

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036163.D
 Acq On : 16 Dec 2020 10:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 12/17/2020 3:55:45 PM

Quant Time: Dec 17 06:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 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	5.64	49	1150204	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2442147	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2347446m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2098836	11.26	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1207768	9.010	ppbv	99
3) Chlorodifluoromethane	2.96	51	1464200	11.157	ppbv	98
4) Chloromethane	3.12	50	679393	10.545	ppbv	95
5) Vinyl Chloride	3.24	62	651173	9.085	ppbv	95
6) Bromomethane	3.45	94	381691	10.320	ppbv	92
7) Chloroethane	3.53	64	219727	8.999	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1573087	10.559	ppbv	91
9) Propene	2.99	41	666551	10.139	ppbv	97
10) Heptane	8.10	43	1746081	10.400	ppbv	99
11) Trichlorofluoromethane	3.92	101	1740463	11.044	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1106960	10.343	ppbv	94
13) Ethanol	3.58	45	105910	11.686	ppbv	89
14) Bromoethene	3.72	108	468368	10.667	ppbv	94
15) Acetone	3.83	43	1569577	11.354	ppbv	96
16) 1,3-Butadiene	3.30	39	707206	10.158	ppbv	98
17) tert-Butyl alcohol	4.27	59	1247408	9.316	ppbv	100
18) 1,1-Dichloroethene	4.26	96	471476	9.922	ppbv	92
19) Isopropyl Alcohol	3.95	45	793826	9.395	ppbv #	100
20) Methylene Chloride	4.32	84	441547	7.795	ppbv	91
21) Allyl Chloride	4.39	41	918342	9.991	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	453579	9.534	ppbv	94
23) Vinyl Acetate	5.05	43	1866630	10.142	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1257253	9.713	ppbv	99
25) Ethyl Acetate	5.65	43	2920447	10.575	ppbv	99
26) Hexane	5.66	57	1194528	9.611	ppbv	100
27) Carbon Disulfide	4.53	76	1257999	10.184	ppbv	95
28) Methyl tert-Butyl Ether	5.01	73	1674152	9.474	ppbv	99
29) Chloroform	5.73	83	1818119	11.139	ppbv	98
30) Cyclohexane	7.11	84	956545	10.477	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1240640	10.981	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1792922	10.646	ppbv	98
34) 2-Butanone	5.22	43	1808650	11.165	ppbv	100
35) Carbon Tetrachloride	6.99	117	1720898	12.084	ppbv	99
36) Benzene	6.87	78	2395098	11.572	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1548394	12.911	ppbv	98
38) Trichloroethene	7.81	130	727798	9.407	ppbv	93
39) 1,2-Dichloropropane	7.59	63	967852	11.841	ppbv	97
40) 1,4-Dioxane	7.81	88	302937	11.784	ppbv #	99
41) Tetrahydrofuran	6.02	42	1093866	11.366	ppbv	99
42) Bromodichloromethane	7.77	83	2000627	12.519	ppbv	97
43) Methyl Methacrylate	7.99	69	1047037	11.792	ppbv	94

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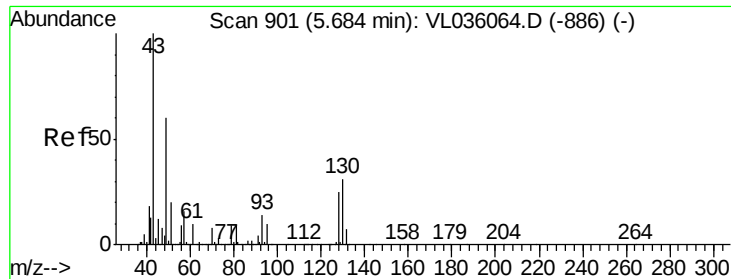
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Quant Time: Dec 17 06:09:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4236569	11.303	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1179123	12.926	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1415408	12.380	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	915934	11.648	ppbv	94
48) Dibromochloromethane	10.28	129	1454118	12.246	ppbv	98
49) Bromoform	13.01	173	1198270	12.821	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2877503	11.911	ppbv	100
51) 2-Hexanone	10.11	43	2345407	12.420	ppbv #	98
52) Tetrachloroethene	11.20	164	710589	9.484	ppbv	95
53) Toluene	9.78	91	2662788	11.458	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1356797	11.511	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1094412	11.244	ppbv	96
57) Chlorobenzene	12.12	112	1777901	10.788	ppbv	94
58) Ethyl Benzene	12.69	91	3664278	11.390	ppbv	99
59) m/p-Xylene	12.98	91	6252225m	23.075	ppbv	
60) o-Xylene	13.67	91	2899699	11.359	ppbv	96
61) Styrene	13.50	104	1957782	11.945	ppbv	96
62) Isopropylbenzene	14.64	105	4175345	11.034	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2007417	11.676	ppbv	99
64) n-propylbenzene	15.54	120	997679	10.959	ppbv	81
65) tert-Butylbenzene	16.73	119	3431970	11.080	ppbv	92
66) Benzyl Chloride	16.97	91	1178248	15.277	ppbv	96
67) sec-Butylbenzene	17.27	105	5003672	11.543	ppbv	97
69) p-Isopropyltoluene	17.63	119	3932152	11.404	ppbv	96
70) n-Butylbenzene	18.53	91	4381626	12.857	ppbv	99
71) 2-Chlorotoluene	15.43	91	3410976	11.925	ppbv	95
72) 4-Ethyltoluene	15.82	105	3236686	11.704	ppbv	97
73) 1,3,5-Trimethylbenzene	15.97	105	3053008	11.560	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	3085547	11.638	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	1538270	11.591	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	1480985	10.961	ppbv	95
77) 1,2-Dichlorobenzene	17.79	146	1466269	11.572	ppbv	97
78) Hexachloro-1,3-Butadiene	23.35	225	905425	8.916	ppbv	100
79) Naphthalene	22.17	128	1546708	11.477	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	588444	19.527	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	895976	9.951	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

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Instrument :

MSVOA_L

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VSTDCCC010

Tgt Ion: 49 Resp: 1150204

Ion Ratio Lower Upper

49 100

128 36.5 21.1 63.1

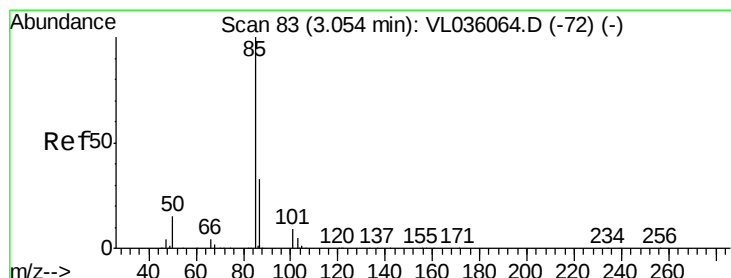
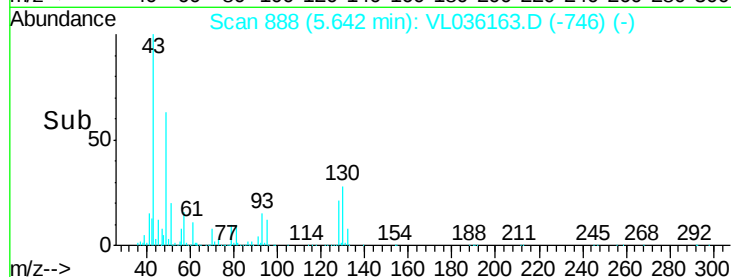
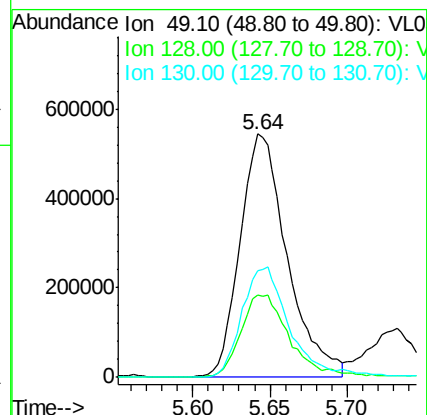
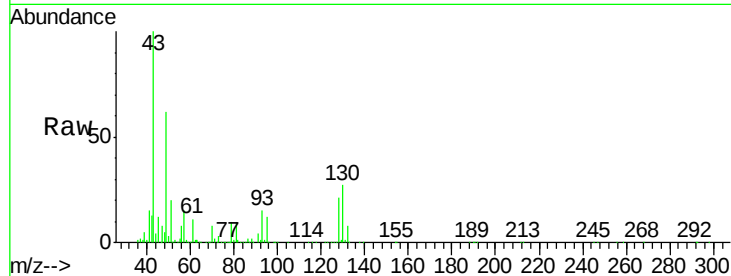
130 46.9 27.1 81.3

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#2

Dichlorodifluoromethane

Concen: 9.010 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.03 min

Lab File: VL036163.D

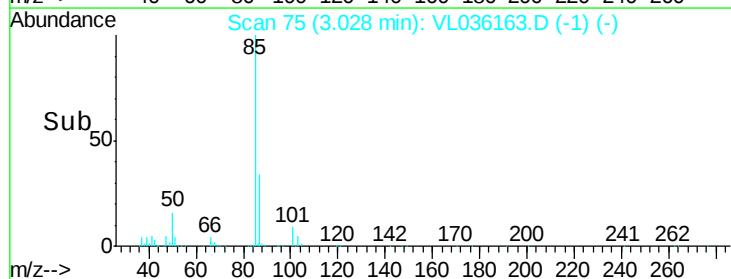
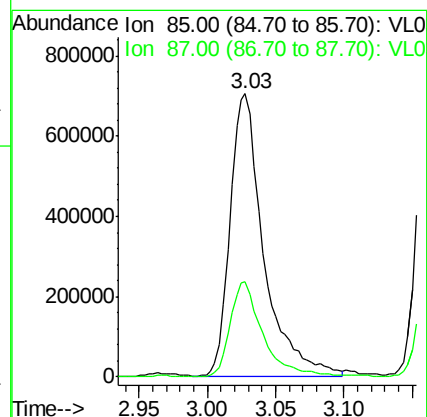
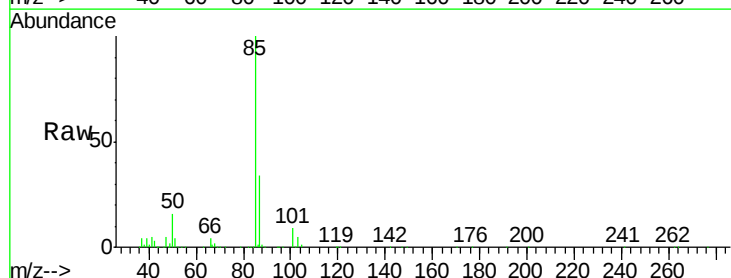
Acq: 16 Dec 2020 10:47

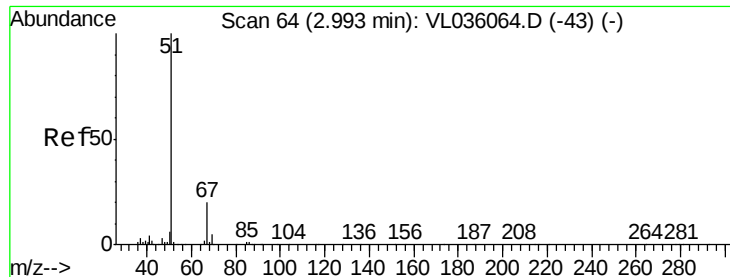
Tgt Ion: 85 Resp: 1207768

Ion Ratio Lower Upper

85 100

87 33.5 26.5 39.7





#3

Chlorodifluoromethane

Concen: 11.157 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 1464200

Ion Ratio Lower Upper

51 100

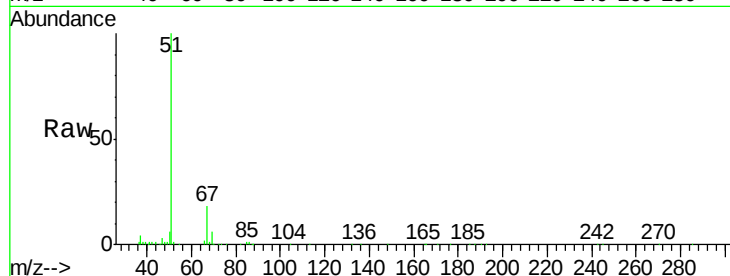
67 18.6 14.3 21.5

Manual Integrations

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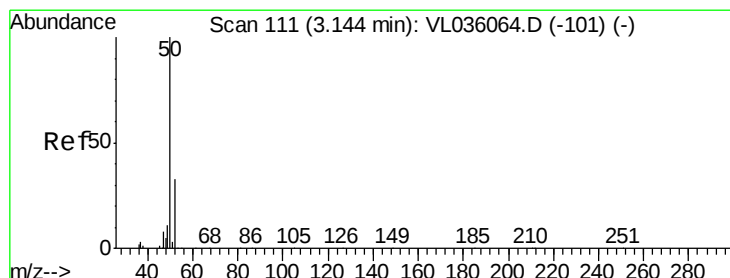
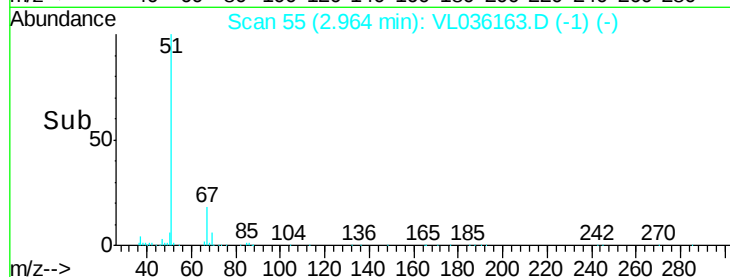
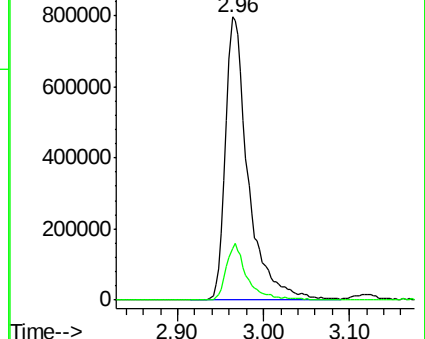
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.545 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036163.D

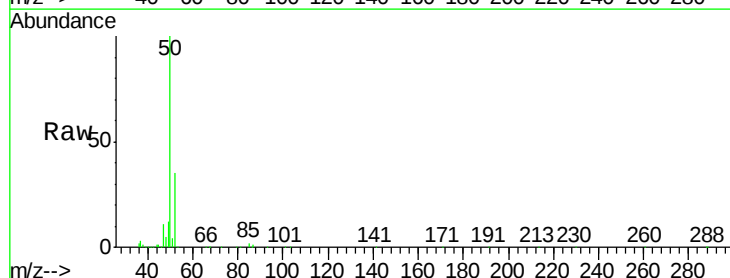
Acq: 16 Dec 2020 10:47

Tgt Ion: 50 Resp: 679393

Ion Ratio Lower Upper

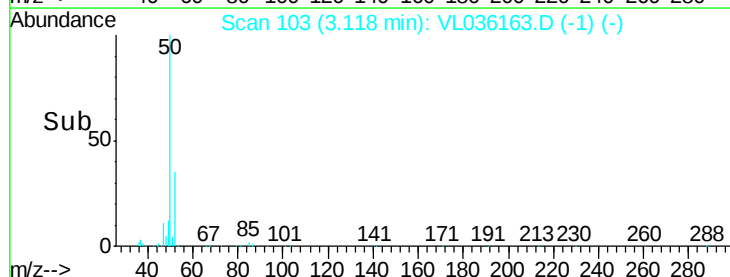
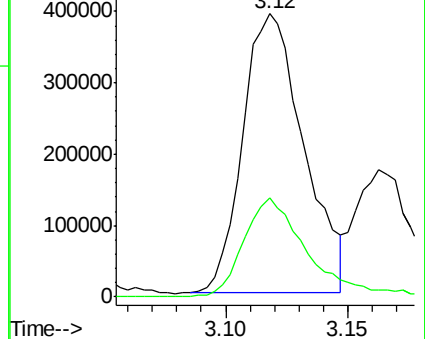
50 100

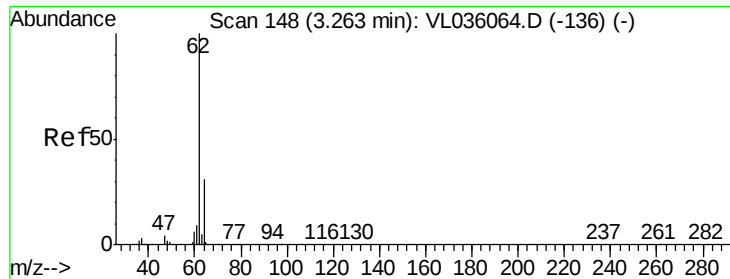
52 35.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.085 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 651173

Ion Ratio Lower Upper

62 100

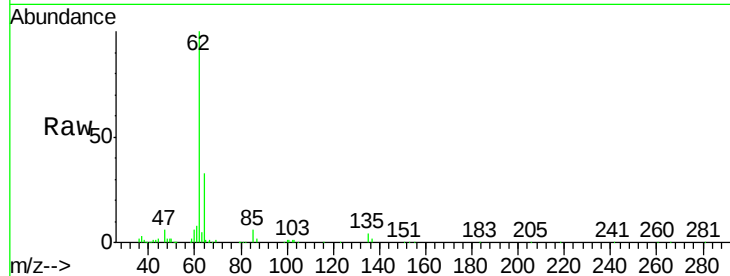
64 33.3 24.5 36.7

Manual Integrations

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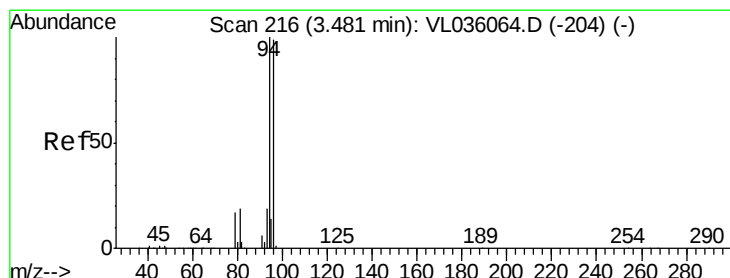
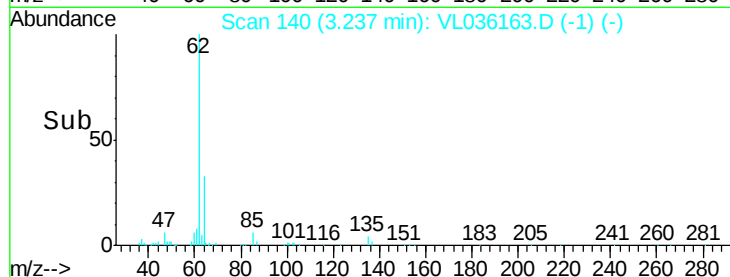
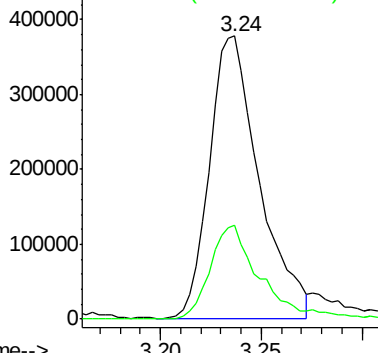
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.320 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.03 min

Lab File: VL036163.D

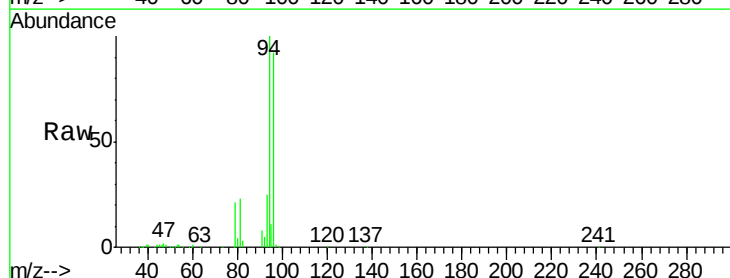
Acq: 16 Dec 2020 10:47

Tgt Ion: 94 Resp: 381691

Ion Ratio Lower Upper

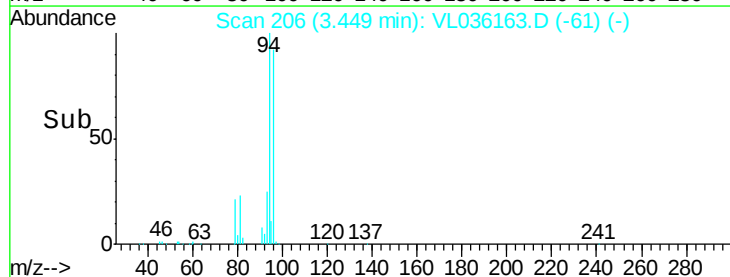
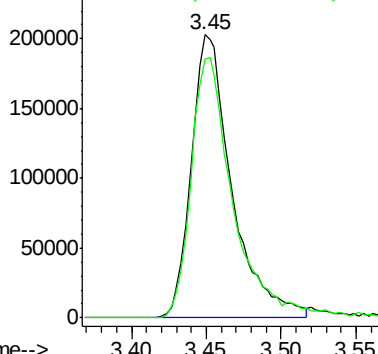
94 100

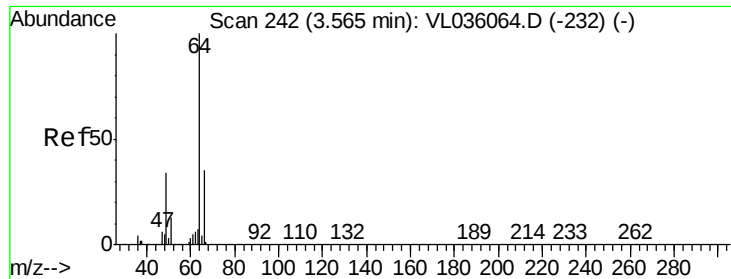
96 91.5 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.999 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 219727

Ion Ratio Lower Upper

64 100

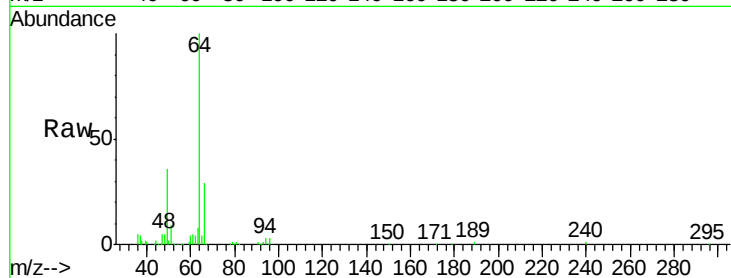
66 29.4 27.7 41.5

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

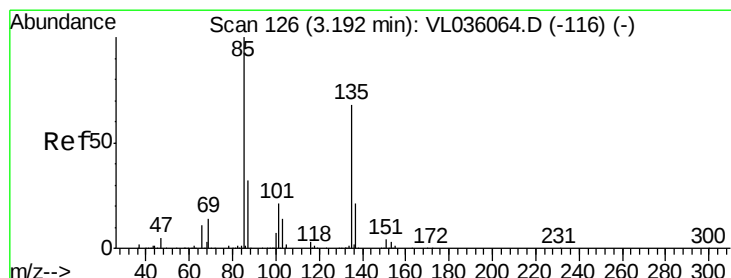
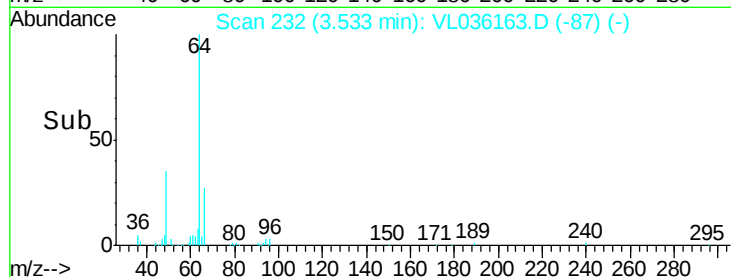
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.559 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.03 min

Lab File: VL036163.D

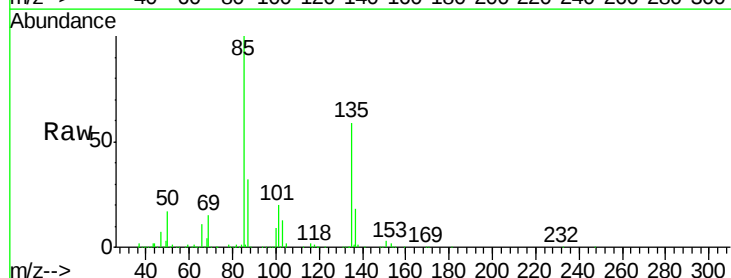
Acq: 16 Dec 2020 10:47

Tgt Ion: 85 Resp: 1573087

Ion Ratio Lower Upper

85 100

135 60.3 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1000000

800000

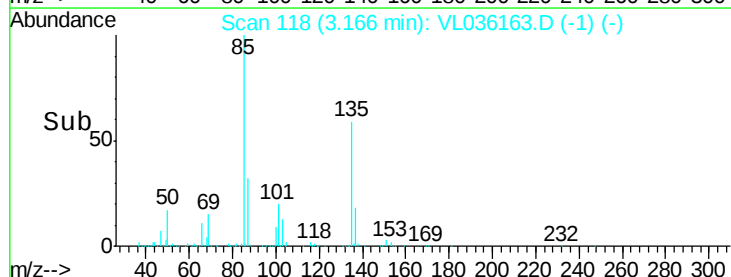
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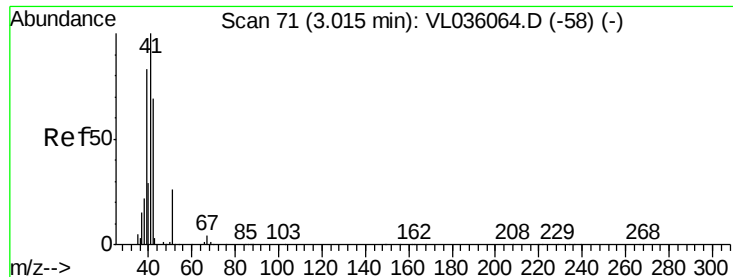
400000

200000

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Time-->





#9

Propene

Concen: 10.139 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 666551

Ion Ratio Lower Upper

41 100

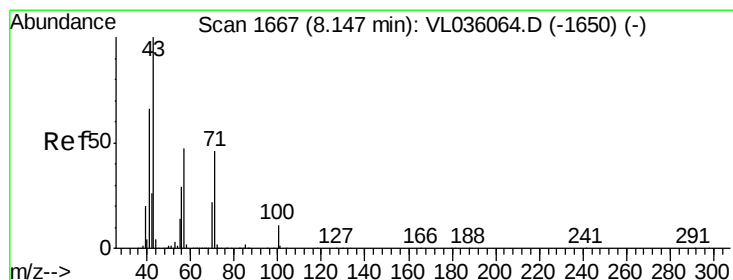
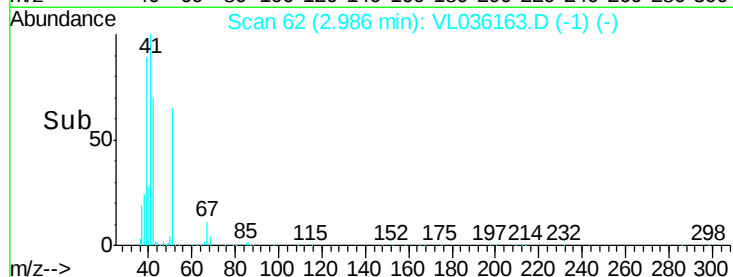
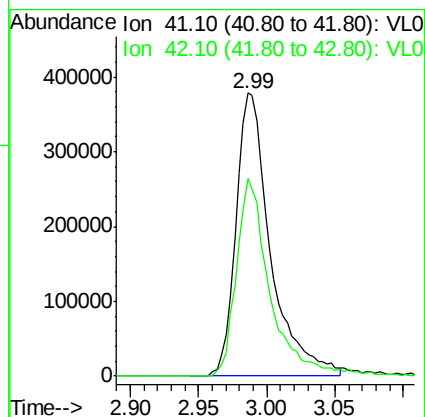
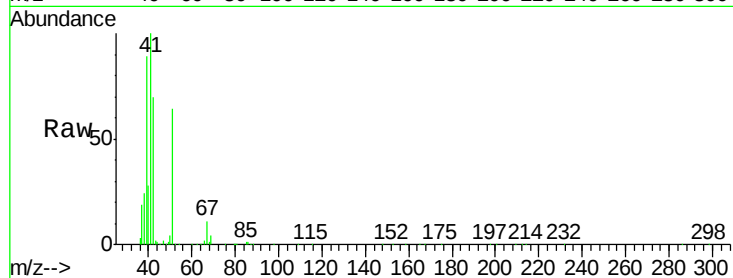
42 68.6 57.0 85.6

Manual Integrations

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#10

Heptane

Concen: 10.400 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.05 min

Lab File: VL036163.D

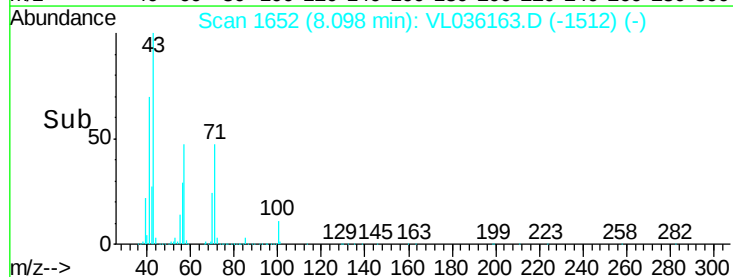
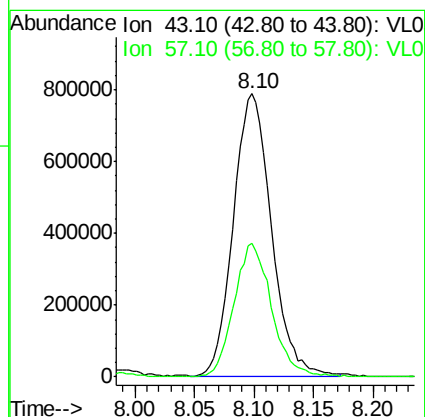
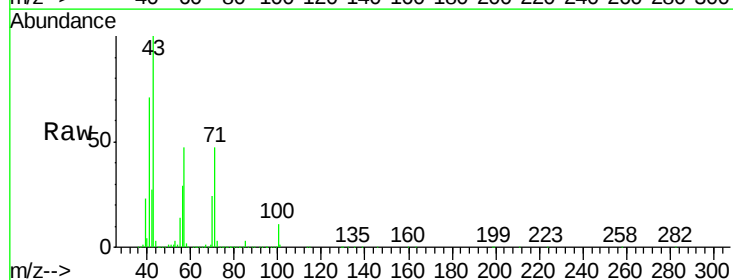
Acq: 16 Dec 2020 10:47

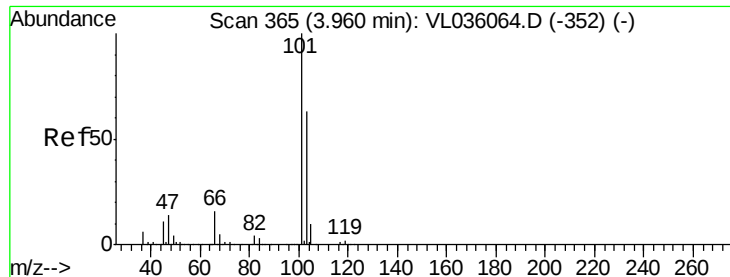
Tgt Ion: 43 Resp: 1746081

Ion Ratio Lower Upper

43 100

57 46.7 37.9 56.9





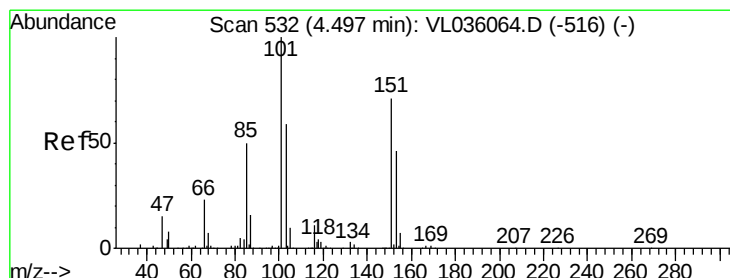
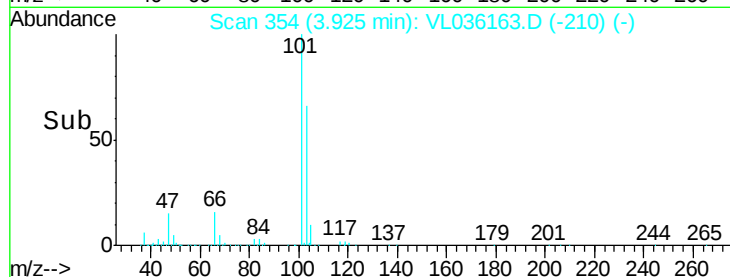
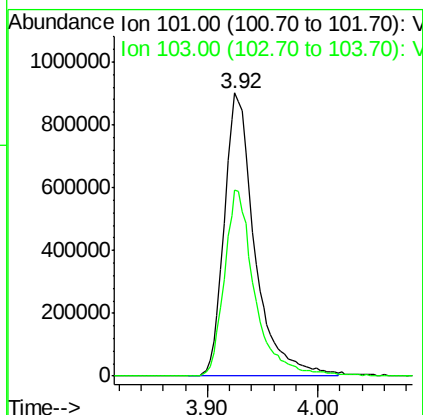
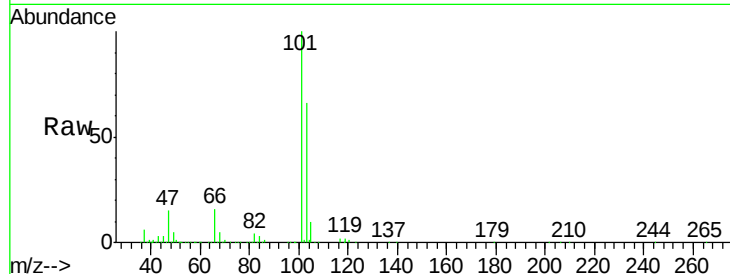
#11
 Trichlorofluoromethane
 Concen: 11.044 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.04 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1740463
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.3 75.5

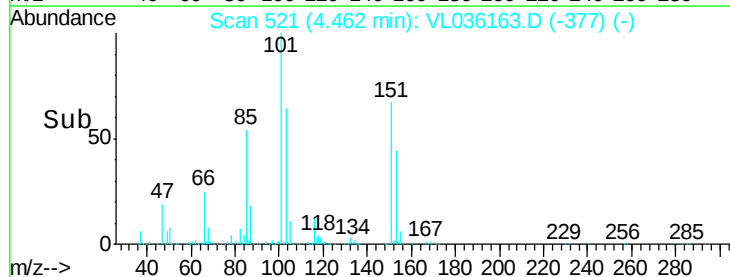
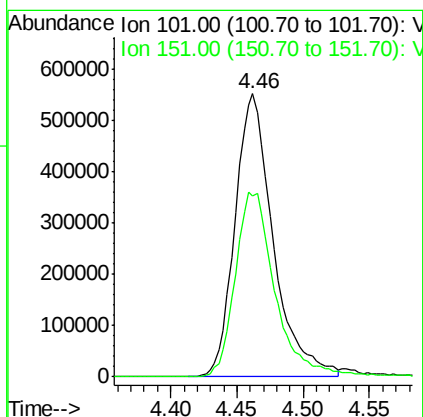
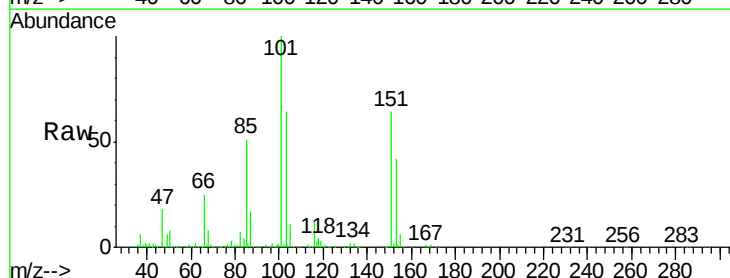
Manual Integrations
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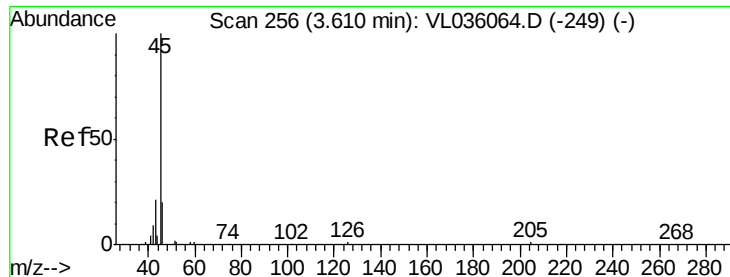
MMDadoda
 12/17/2020 3:55:45 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.343 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.04 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion:101 Resp: 1106960
 Ion Ratio Lower Upper
 101 100
 151 68.6 59.3 88.9





#13

Ethanol

Concen: 11.686 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 105910

Ion Ratio Lower Upper

45 100

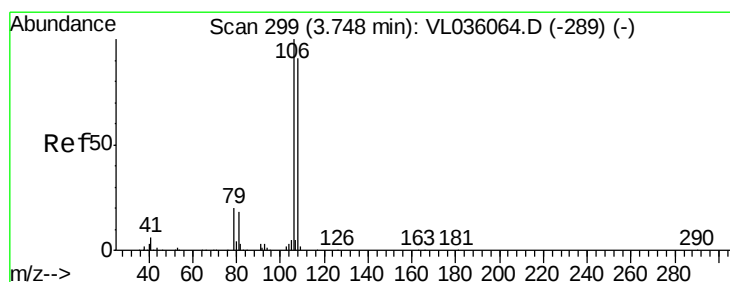
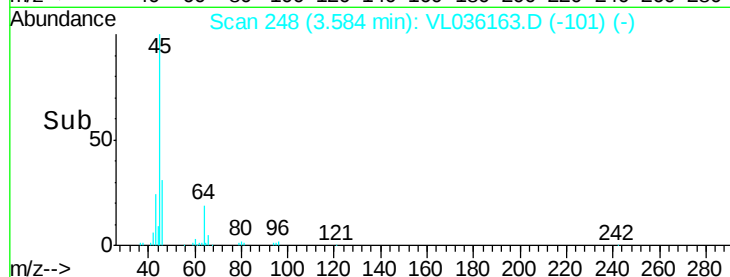
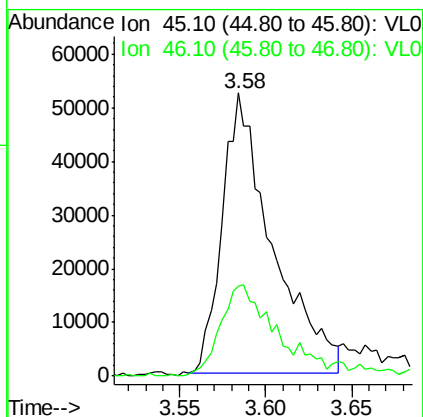
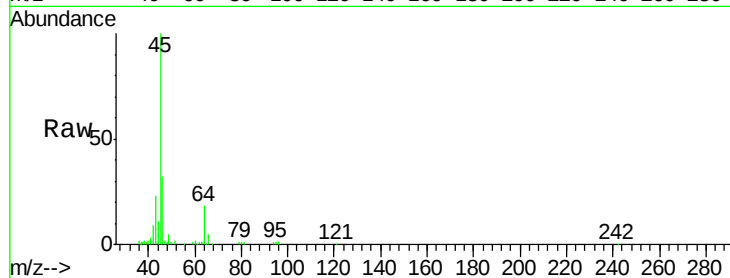
46 40.3 19.0 75.8

Manual Integrations

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#14

Bromoethene

Concen: 10.667 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

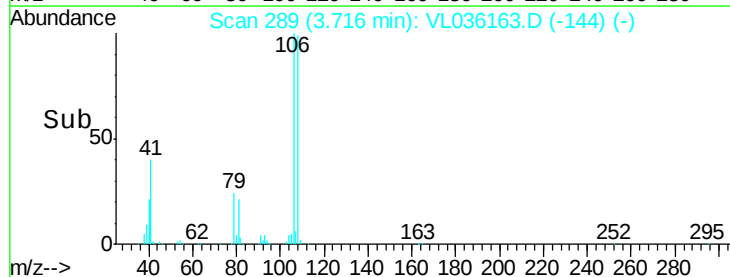
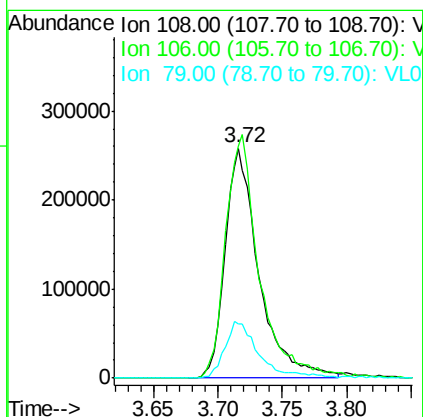
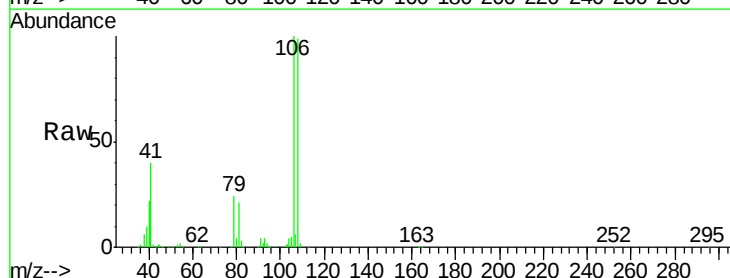
Tgt Ion: 108 Resp: 468368

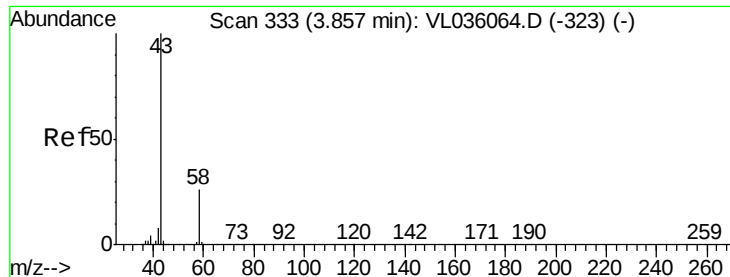
Ion Ratio Lower Upper

108 100

106 106.7 91.0 136.4

79 25.4 19.3 28.9





#15

Acetone

Concen: 11.354 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1569577

Ion Ratio Lower Upper

43 100

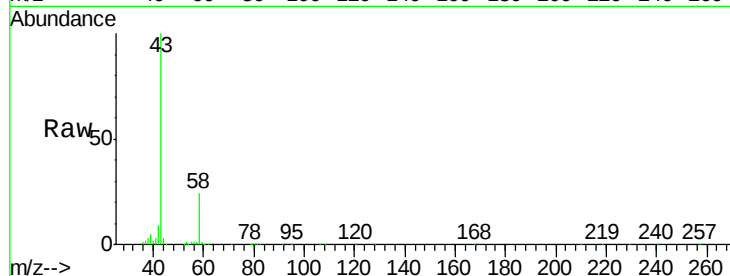
58 24.2 20.9 31.3

Manual Integrations

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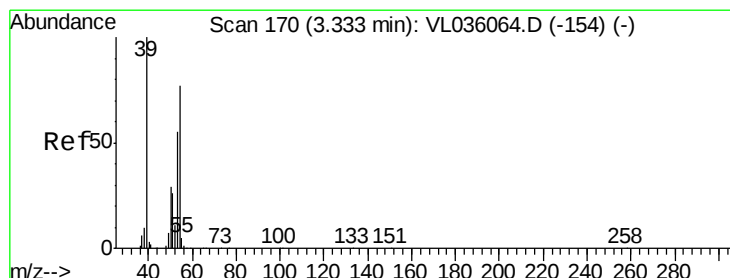
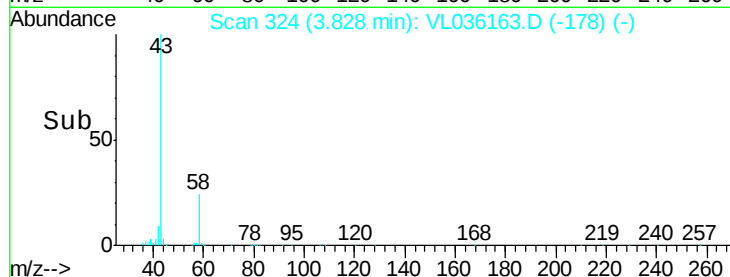
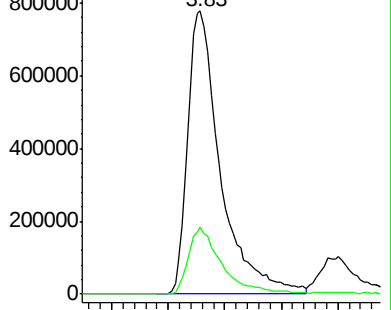
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.158 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL036163.D

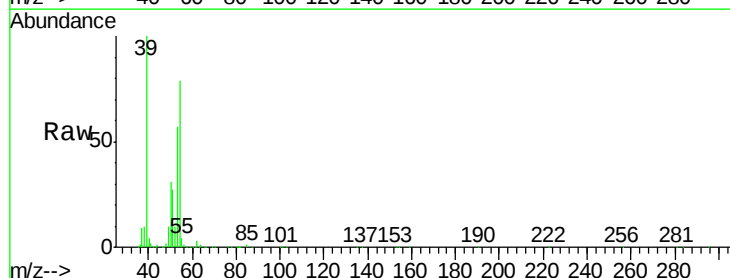
Acq: 16 Dec 2020 10:47

Tgt Ion: 39 Resp: 707206

Ion Ratio Lower Upper

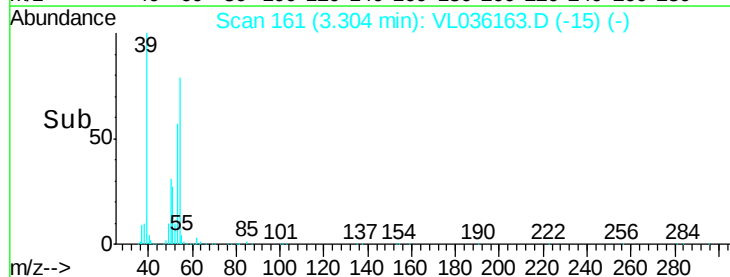
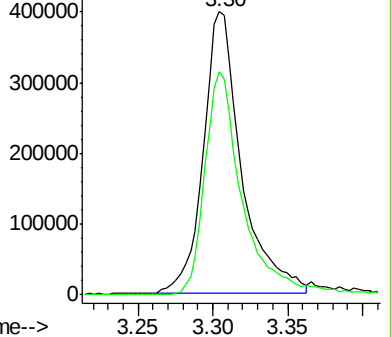
39 100

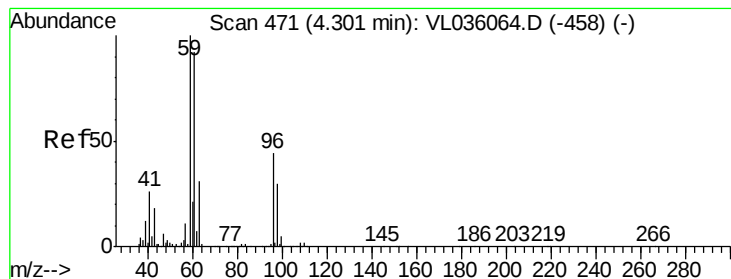
54 79.2 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

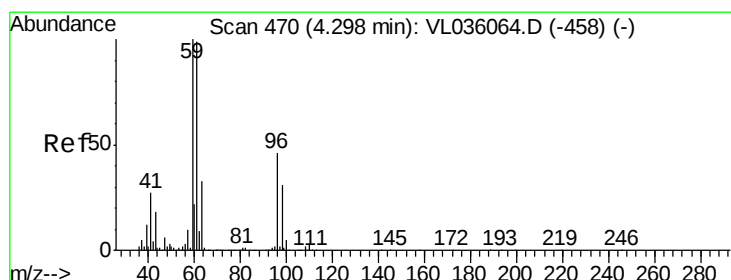
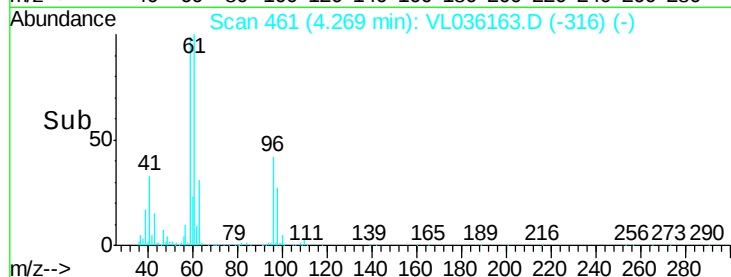
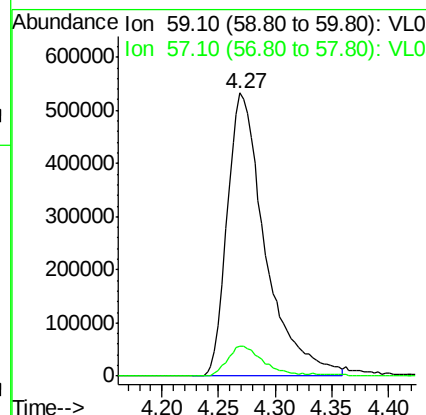
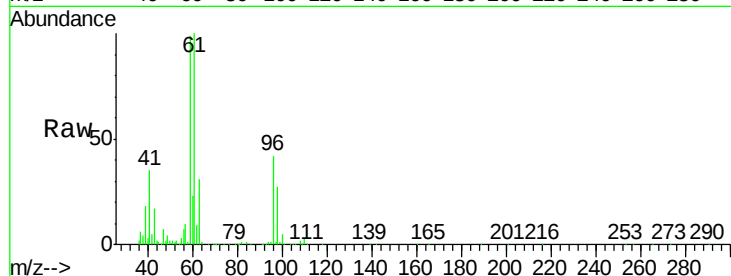
tert-Butyl alcohol
Concen: 9.316 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1247408
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

Manual Integrations
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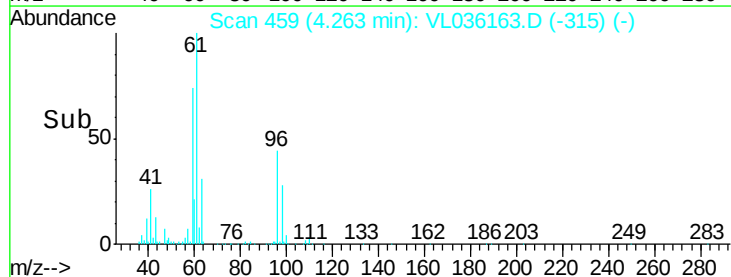
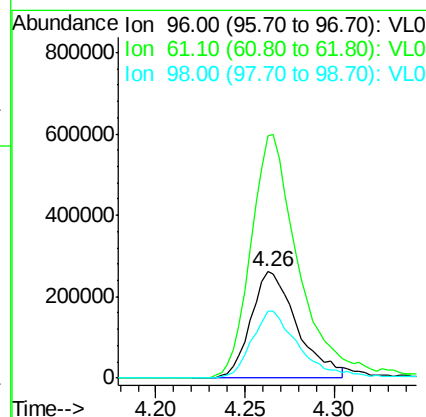
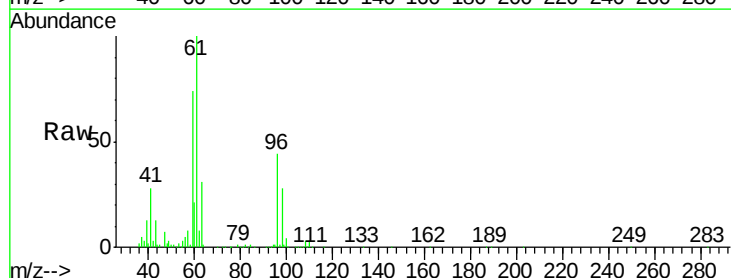
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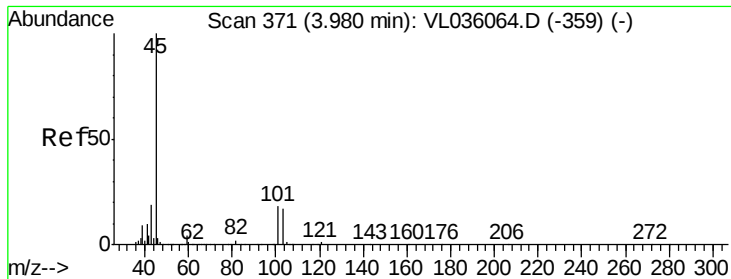


#18

1,1-Dichloroethene
Concen: 9.922 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 96 Resp: 471476
Ion Ratio Lower Upper
96 100
61 227.2 171.4 257.2
98 62.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.395 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.03 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 793826

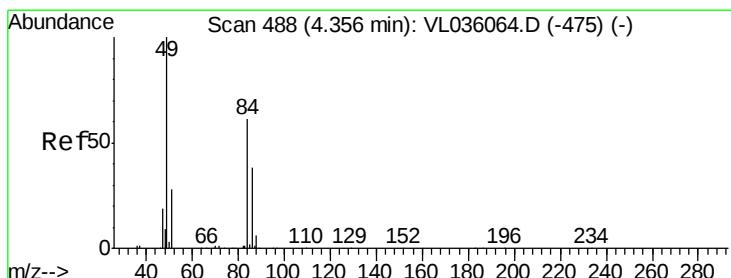
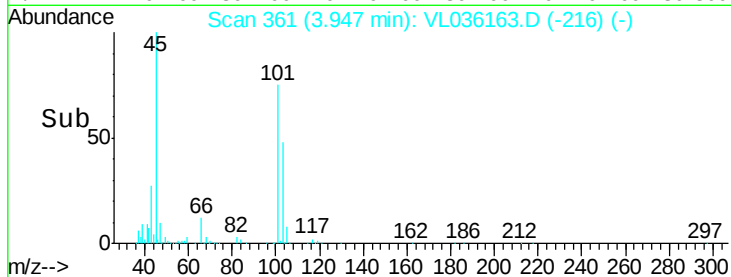
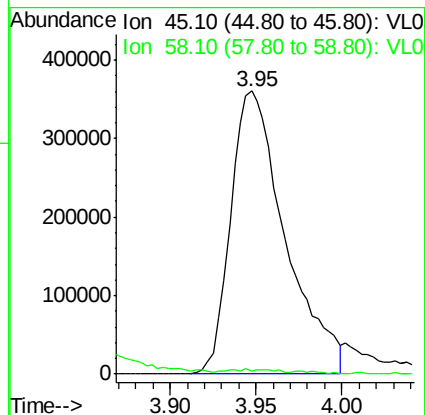
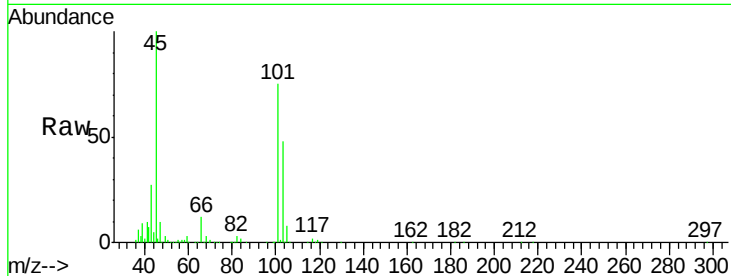
Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.795 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Tgt Ion: 84 Resp: 441547

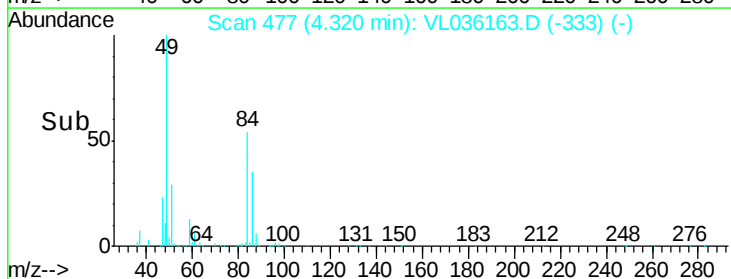
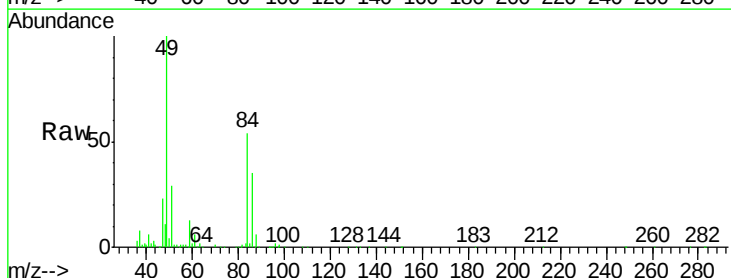
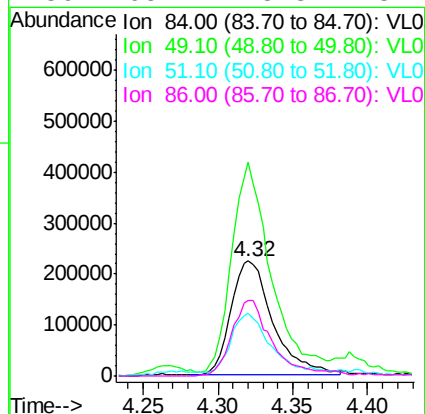
Ion Ratio Lower Upper

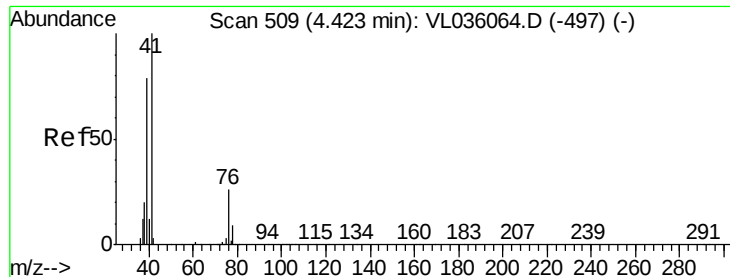
84 100

49 181.8 133.0 199.4

51 51.7 38.9 58.3

86 65.4 48.8 73.2





#21

Allyl Chloride

Concen: 9.991 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

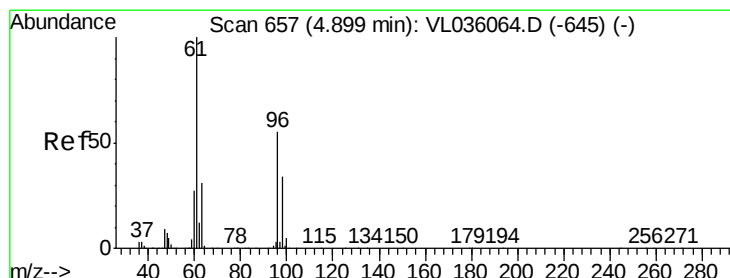
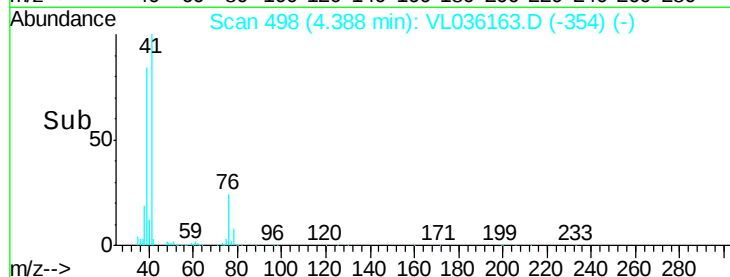
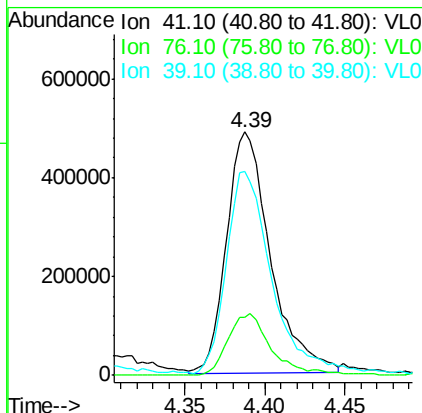
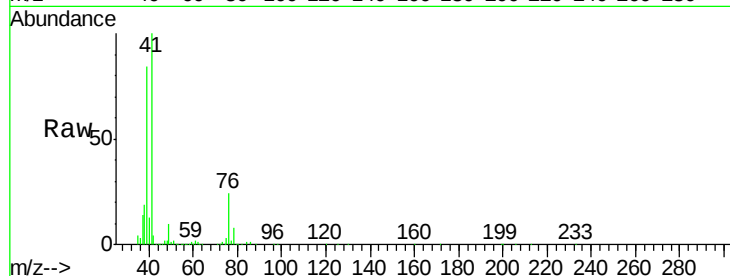
ClientSampleId :

VSTDCCC010

Tgt Ion:	41	Resp:	918342
Ion Ratio		Lower	Upper
41	100		
76	25.6	21.0	31.4
39	89.8	66.0	99.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.534 ppbv

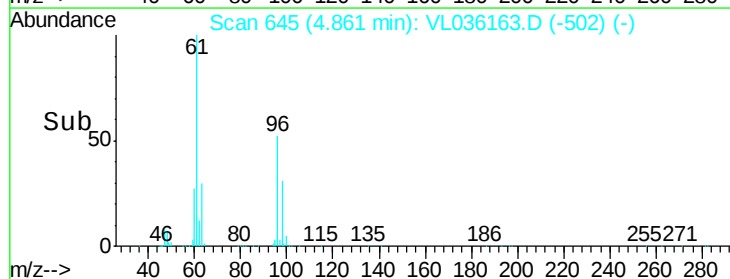
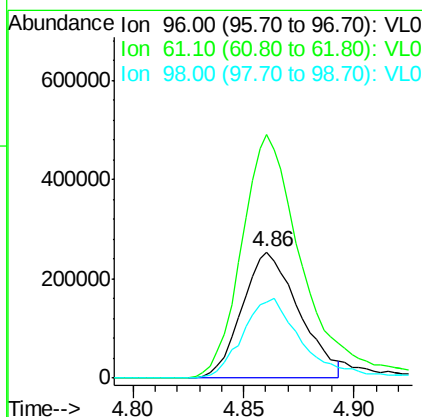
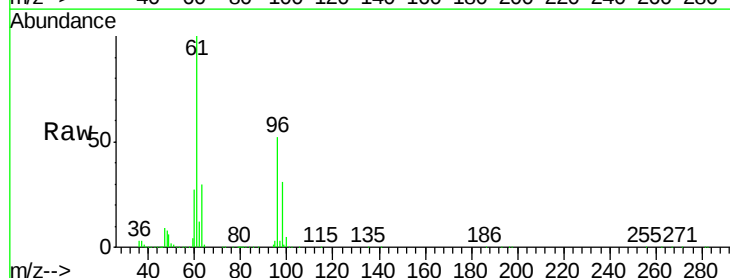
RT: 4.86 min Scan# 645

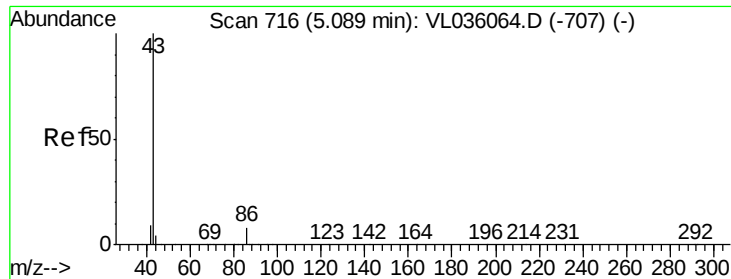
Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Tgt Ion:	96	Resp:	453579
Ion Ratio		Lower	Upper
96	100		
61	192.1	145.7	218.5
98	59.8	49.2	73.8





#23

Vinyl Acetate

Concen: 10.142 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1866630

Ion Ratio Lower Upper

43 100

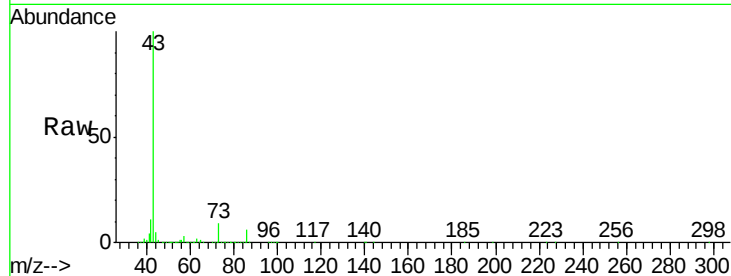
86 6.1 5.0 7.4

42 11.0 7.8 11.6

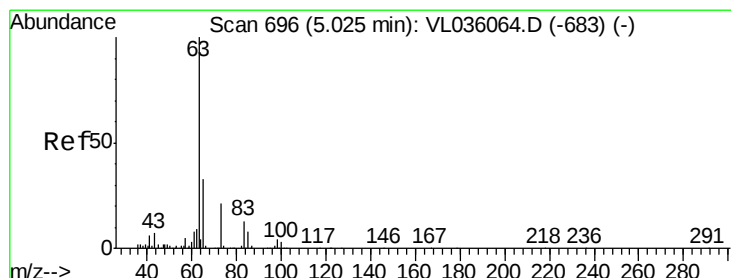
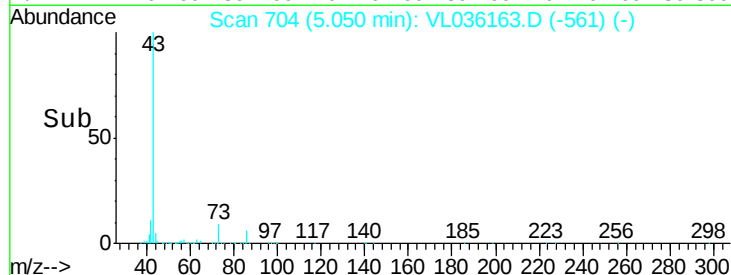
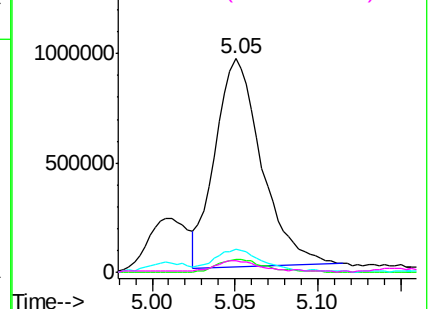
44 5.3 3.2 4.8#

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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: 9.713 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

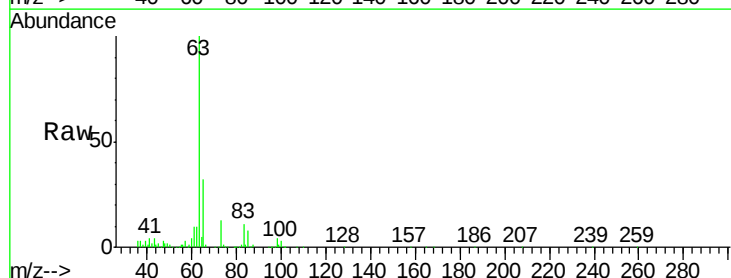
Tgt Ion: 63 Resp: 1257253

Ion Ratio Lower Upper

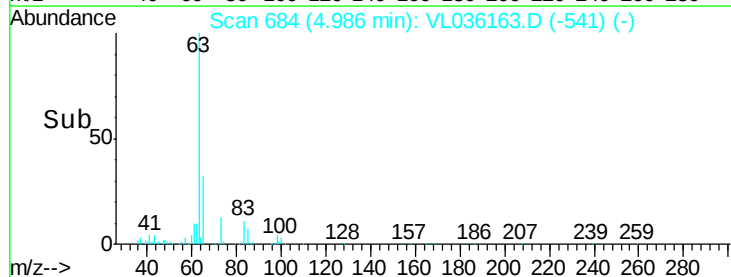
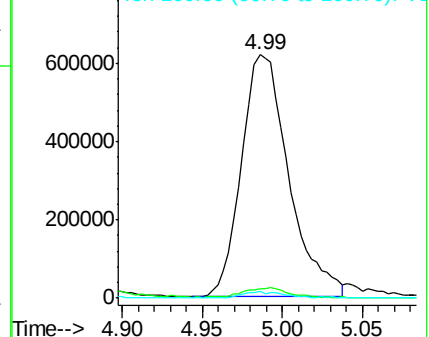
63 100

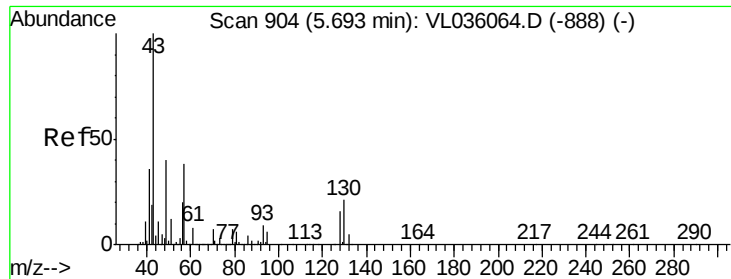
98 3.6 2.2 6.6

100 3.0 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





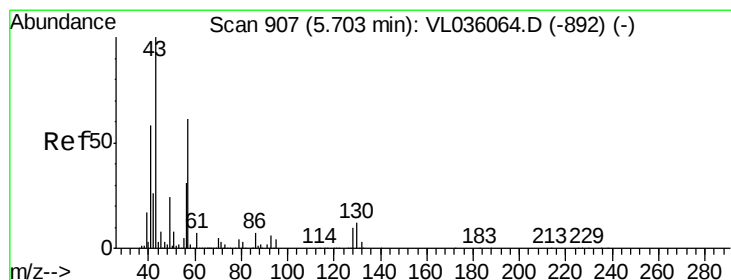
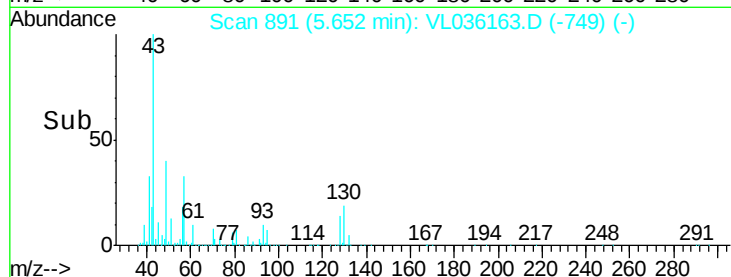
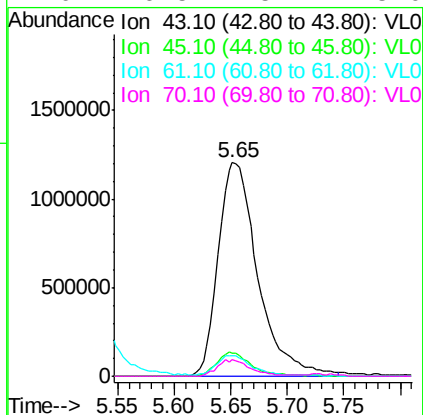
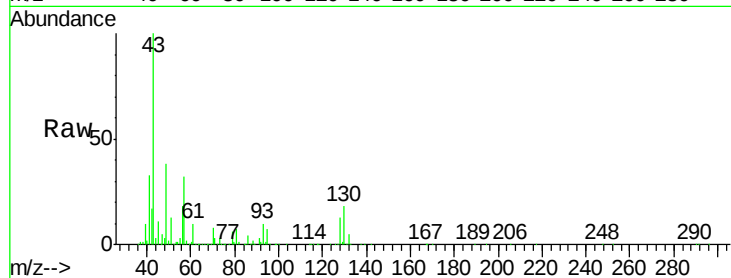
#25
Ethyl Acetate
Concen: 10.575 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	8.9	7.4	11.2
70	6.5	5.4	8.0

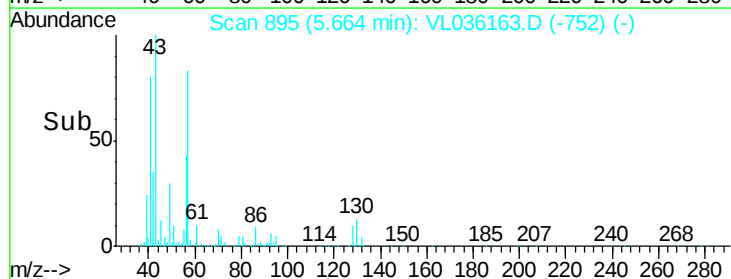
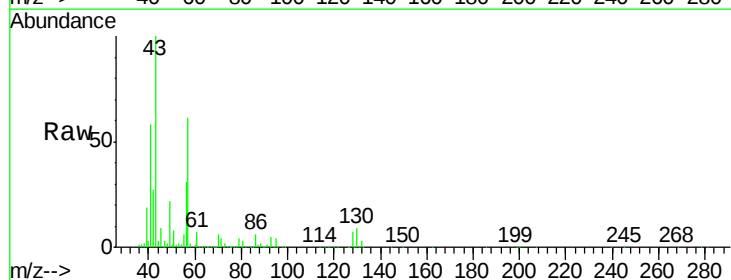
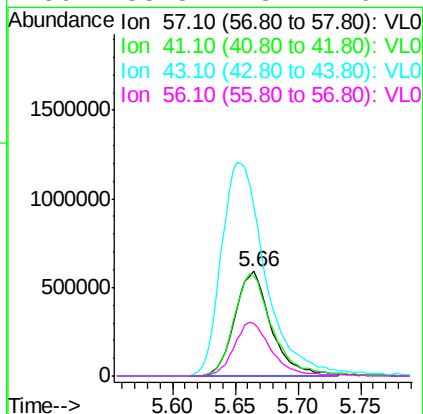
Manual Integrations
APPROVED

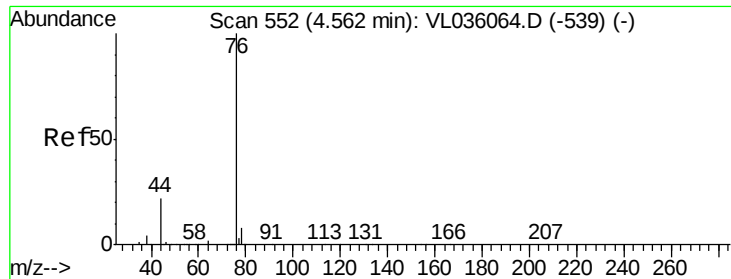
MMDadoda
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#26
Hexane
Concen: 9.611 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	103.3	82.9	124.3
43	249.3	199.9	299.9
56	53.3	43.1	64.7





#27

Carbon Disulfide

Concen: 10.184 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.04 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1257999

Ion Ratio Lower Upper

76 100

44 25.3 17.9 26.9

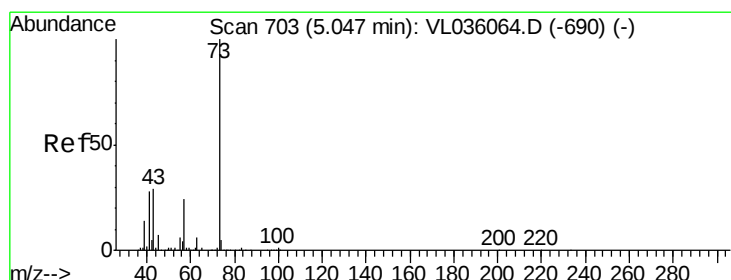
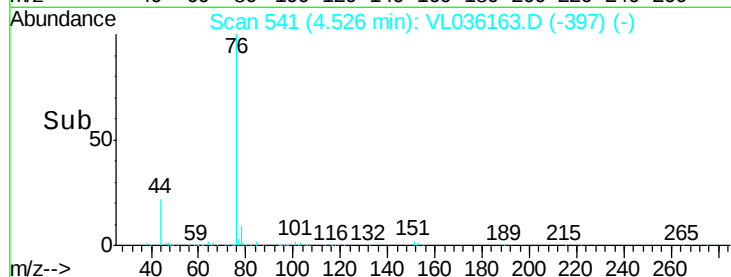
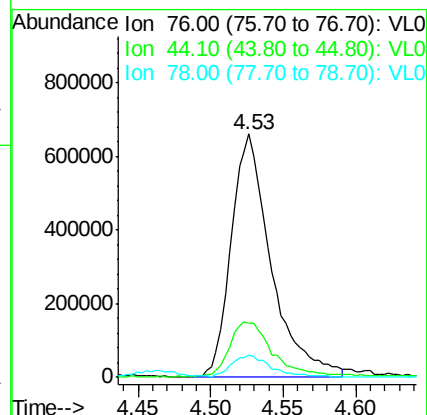
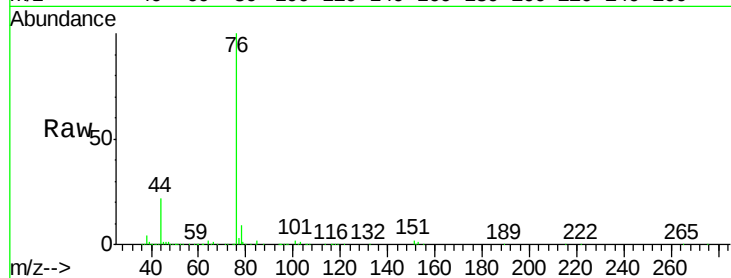
78 9.4 7.8 11.8

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MMDadoda

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#28

Methyl tert-Butyl Ether

Concen: 9.474 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.04 min

Lab File: VL036163.D

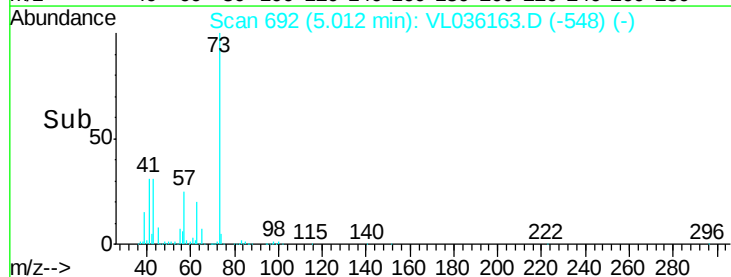
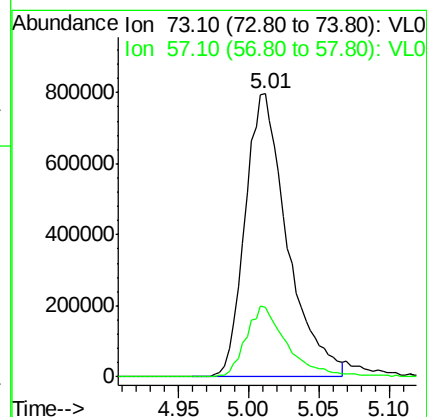
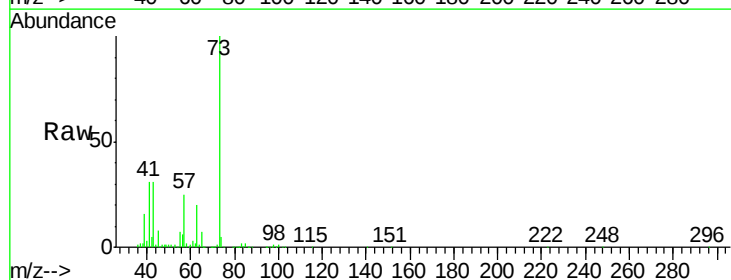
Acq: 16 Dec 2020 10:47

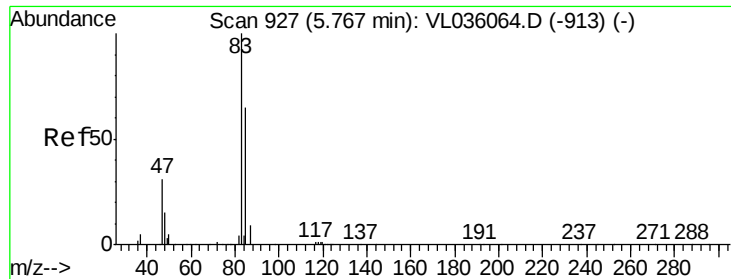
Tgt Ion: 73 Resp: 1674152

Ion Ratio Lower Upper

73 100

57 24.7 19.2 28.8





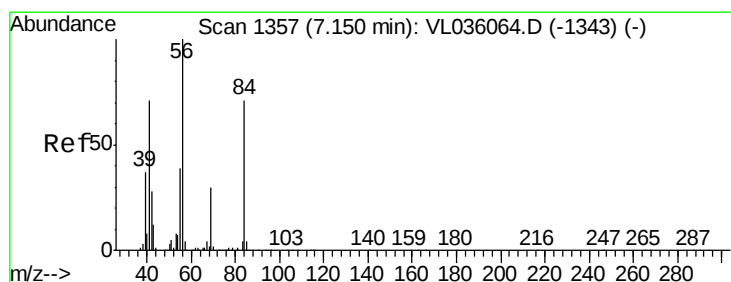
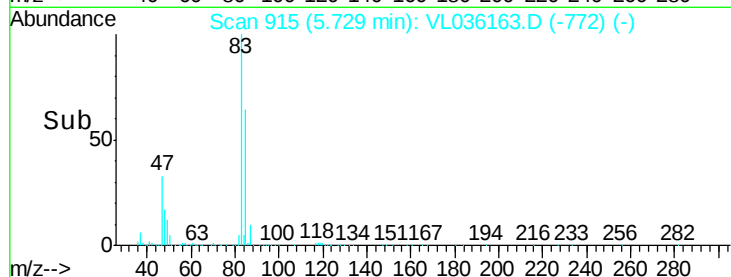
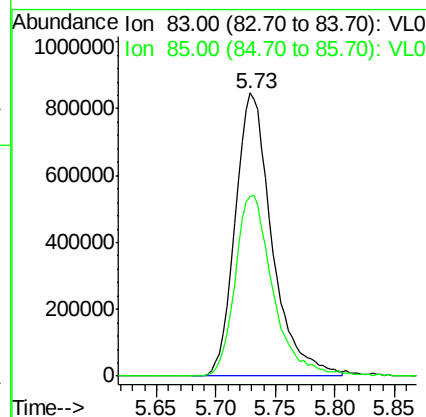
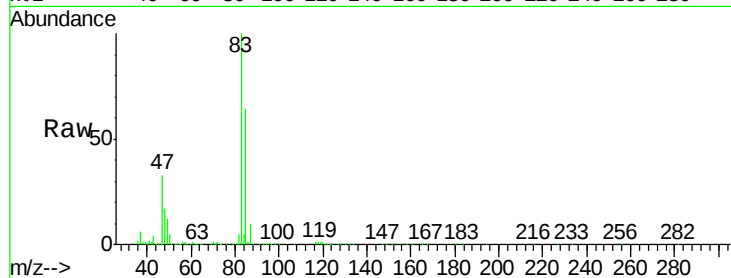
#29
Chloroform
Concen: 11.139 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1818119
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.6

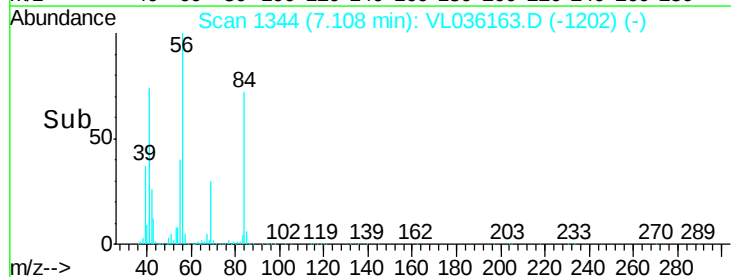
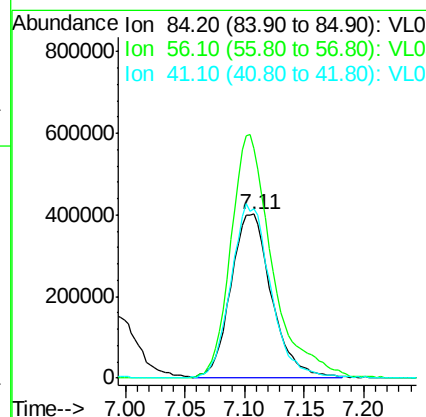
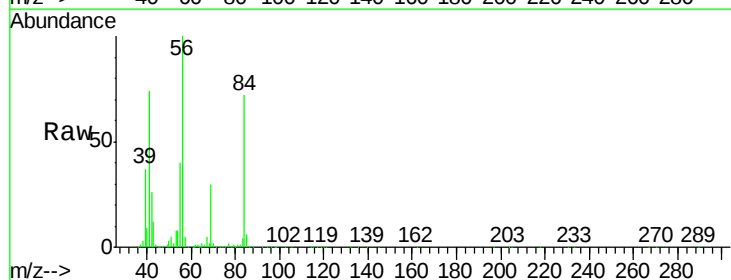
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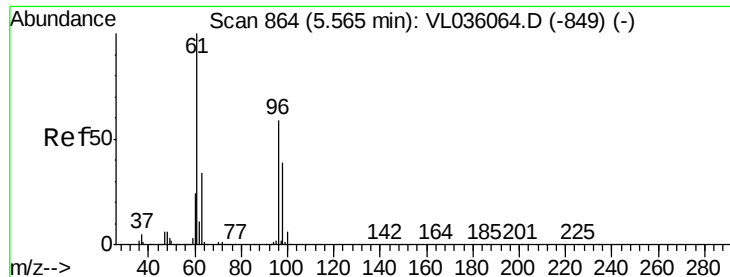
MMDadoda
12/17/2020 3:55:45 PM



#30
Cyclohexane
Concen: 10.477 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 84 Resp: 956545
Ion Ratio Lower Upper
84 100
56 151.8 128.0 192.0
41 103.5 81.3 121.9





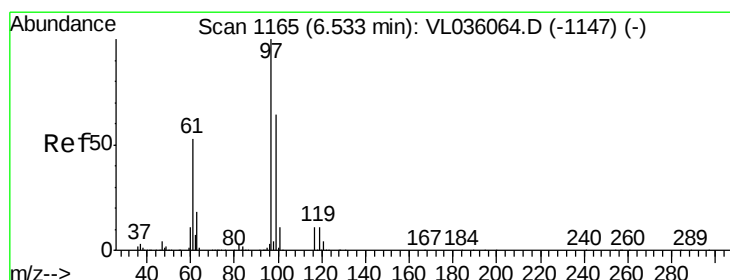
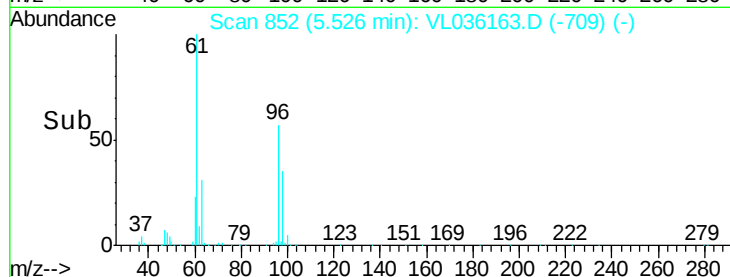
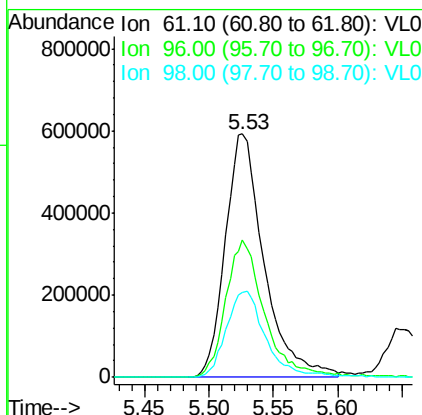
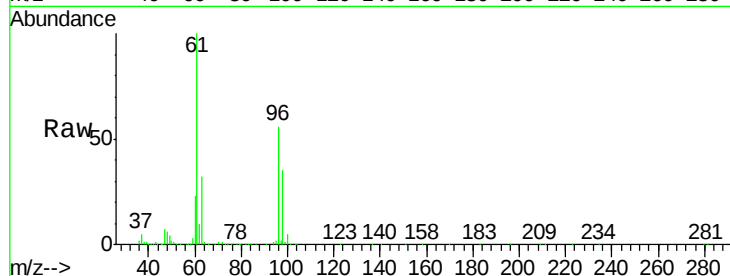
#31
 cis-1,2-Dichloroethene
 Concen: 10.981 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.04 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1240640
 Ion Ratio Lower Upper
 61 100
 96 56.2 47.3 70.9
 98 34.8 31.4 47.0

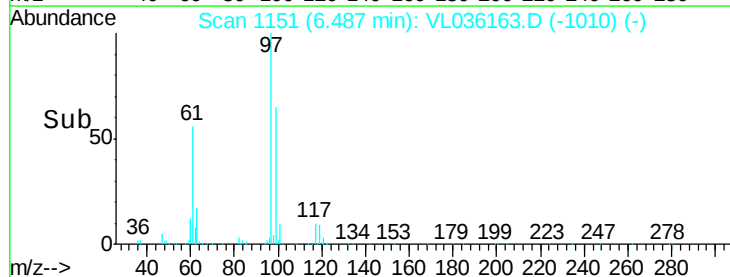
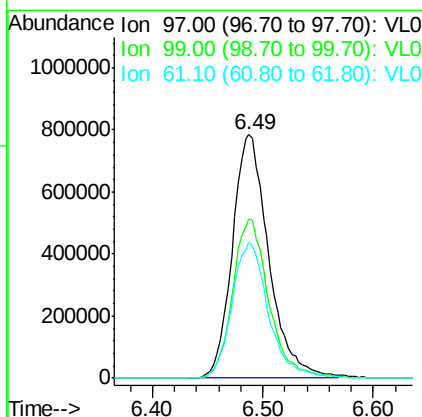
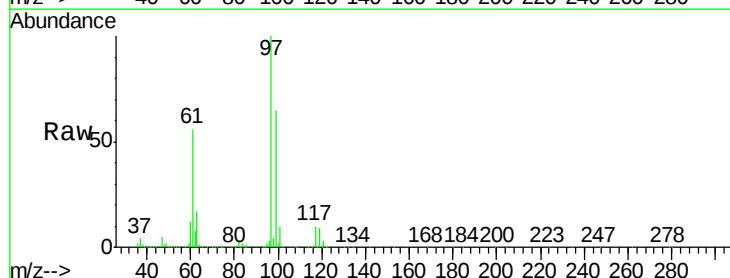
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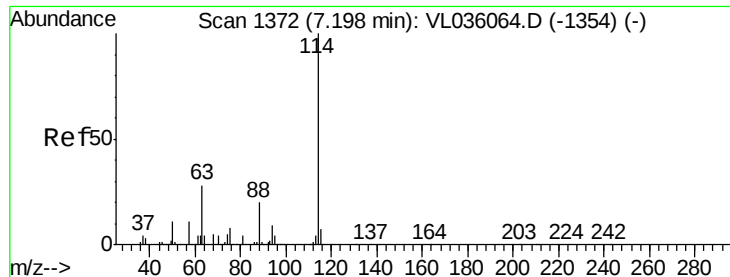
MMDadoda
 12/17/2020 3:55:45 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.646 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion: 97 Resp: 1792922
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.4 78.6
 61 56.7 43.4 65.0





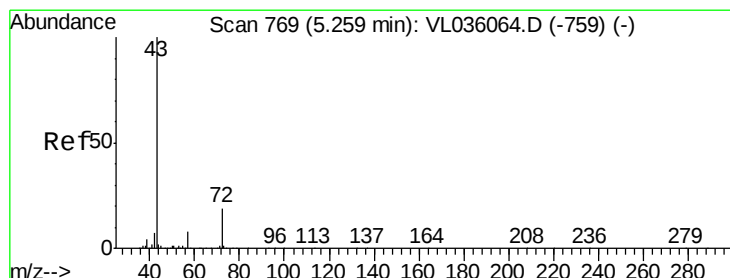
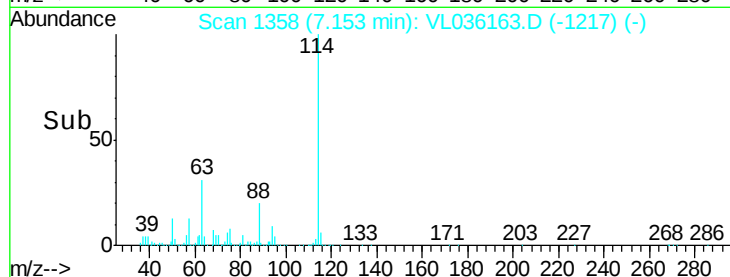
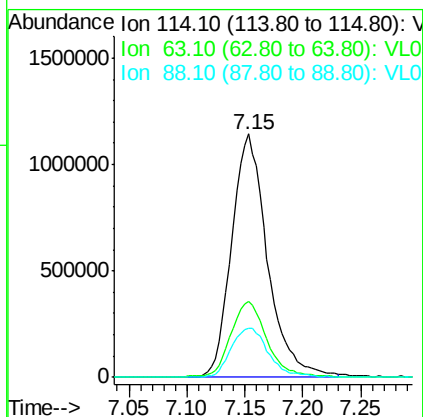
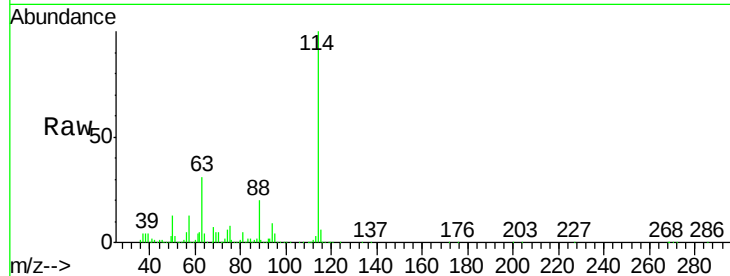
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 2442147
 Ion Ratio Lower Upper
 114 100
 63 32.3 23.6 35.4
 88 21.5 15.8 23.6

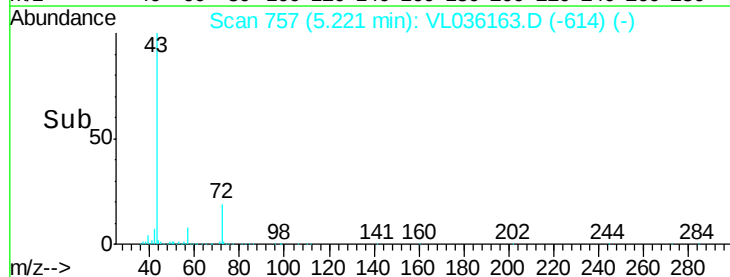
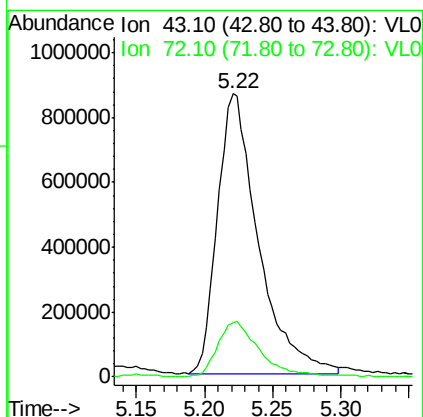
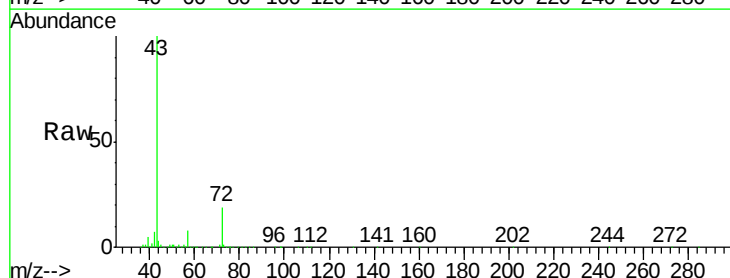
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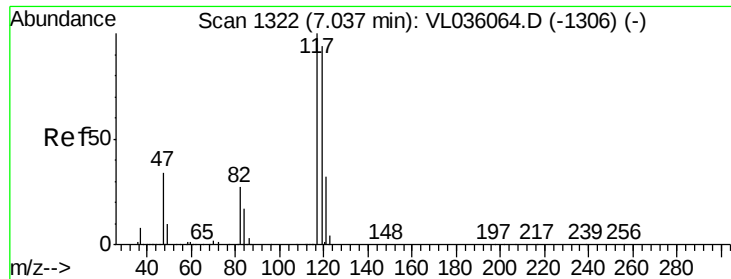
MMDadoda
 12/17/2020 3:55:45 PM



#34
 2-Butanone
 Concen: 11.165 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.04 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion: 43 Resp: 1808650
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.5 24.7





#35

Carbon Tetrachloride

Concen: 12.084 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 1720898

Ion Ratio Lower Upper

117 100

119 94.6 75.1 112.7

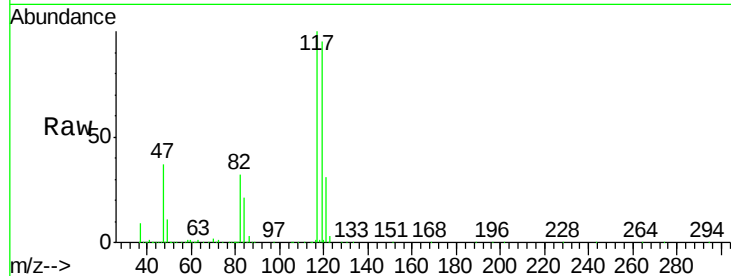
121 30.6 25.6 38.4

Manual Integrations

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MMDadoda

12/17/2020 3:55:45 PM

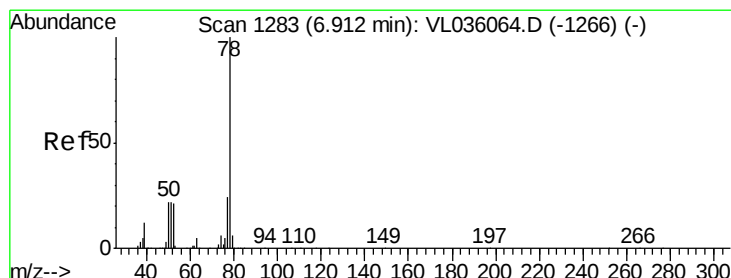
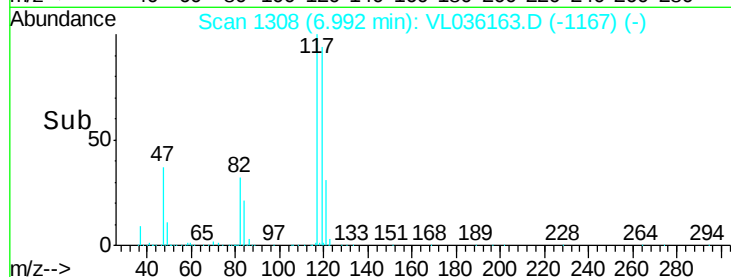
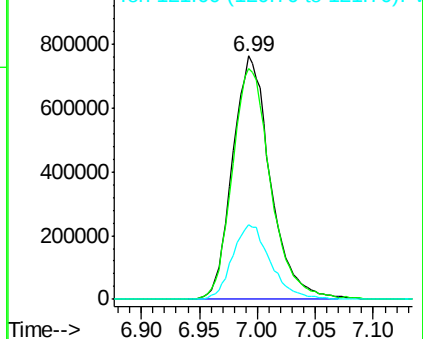


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.572 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

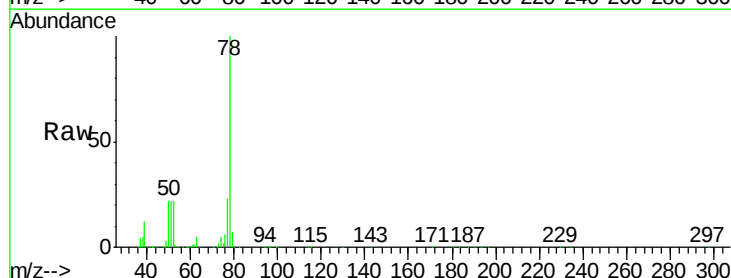
Tgt Ion: 78 Resp: 2395098

Ion Ratio Lower Upper

78 100

77 22.8 19.4 29.2

50 22.0 17.8 26.8

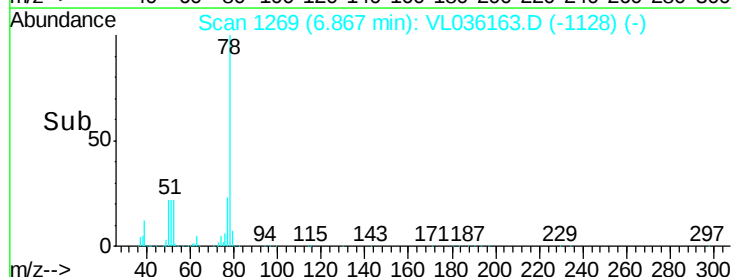
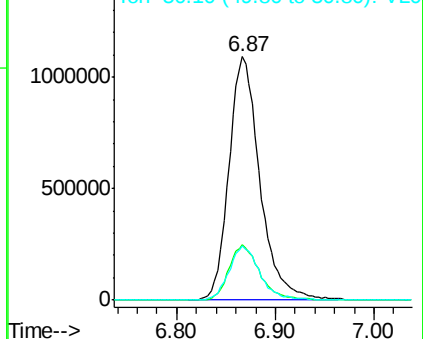


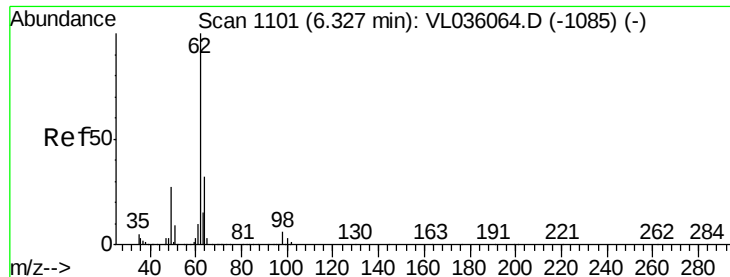
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





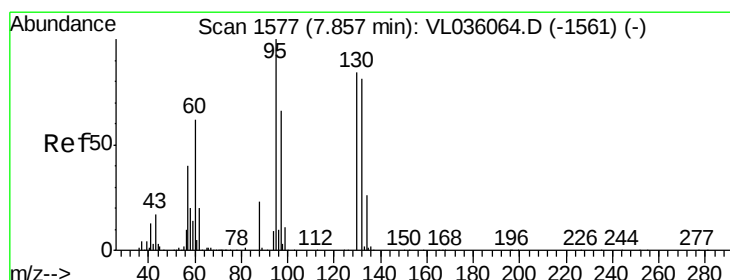
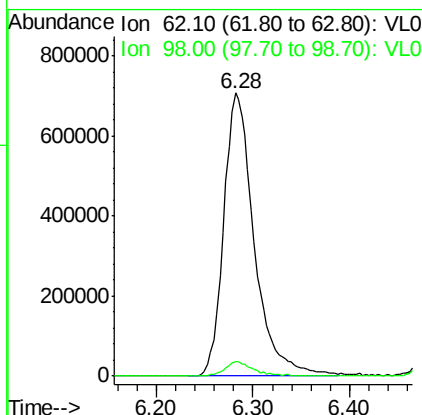
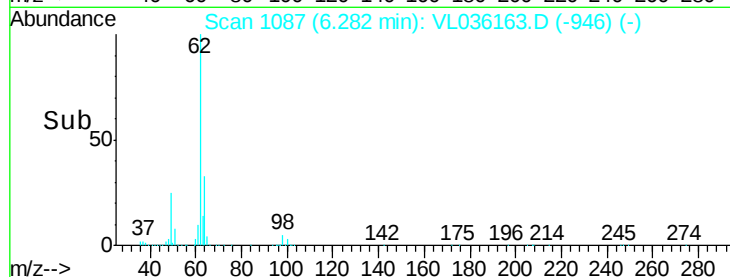
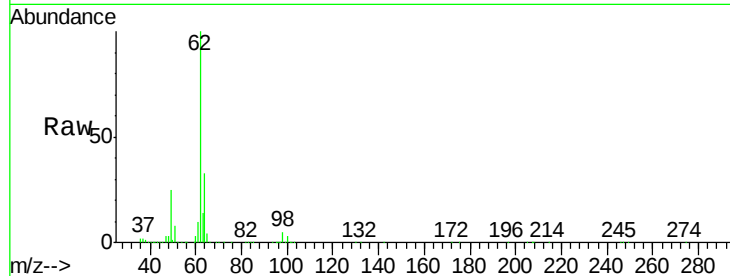
#37
1,2-Dichloroethane
Concen: 12.911 ppbv
RT: 6.28 min Scan# 1087
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1548394
Ion Ratio Lower Upper
62 100
98 5.1 4.6 7.0

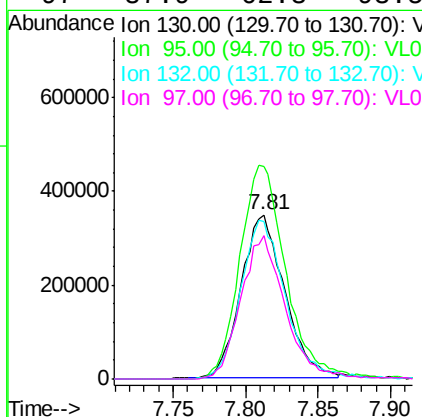
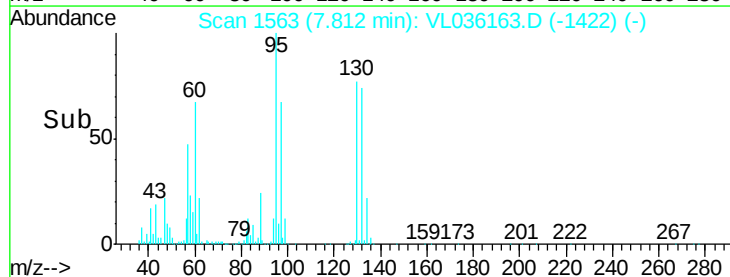
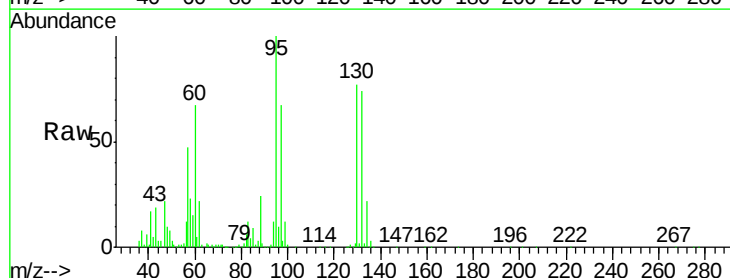
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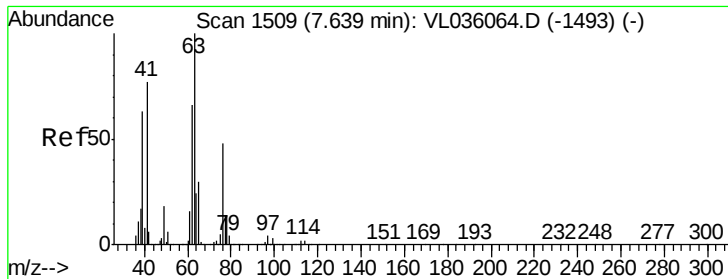
MMDadoda
12/17/2020 3:55:45 PM



#38
Trichloroethene
Concen: 9.407 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 130 Resp: 727798
Ion Ratio Lower Upper
130 100
95 130.4 95.2 142.8
132 96.4 76.9 115.3
97 87.9 62.3 93.5





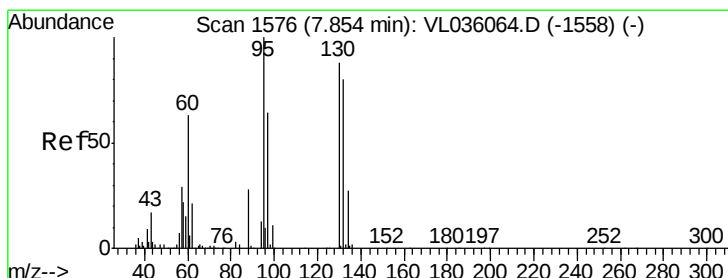
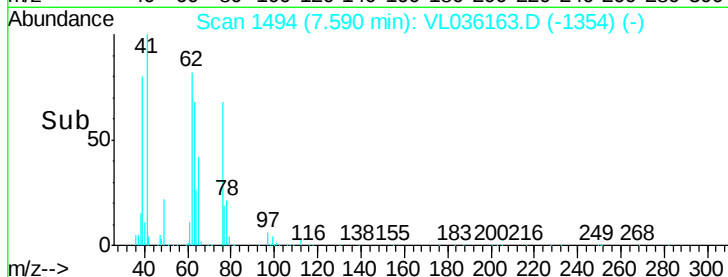
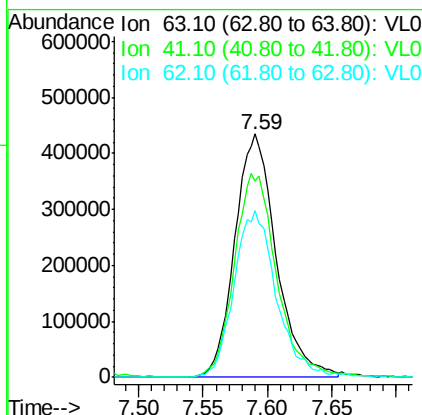
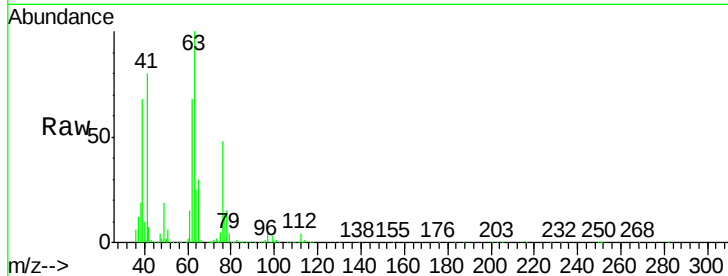
#39
 1,2-Dichloropropane
 Concen: 11.841 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	967852		
41	80.4	61.9	92.9	
62	68.3	52.5	78.7	

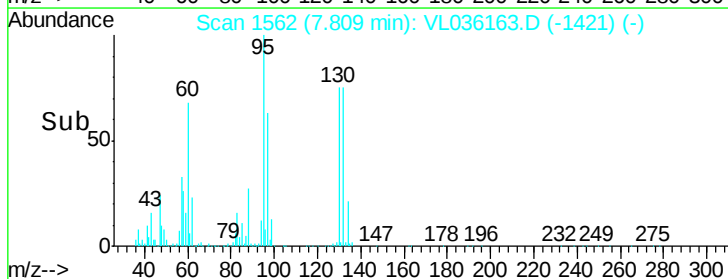
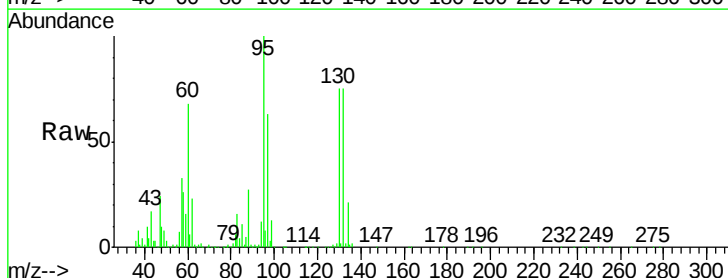
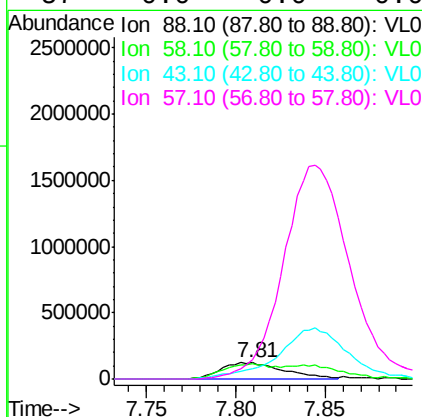
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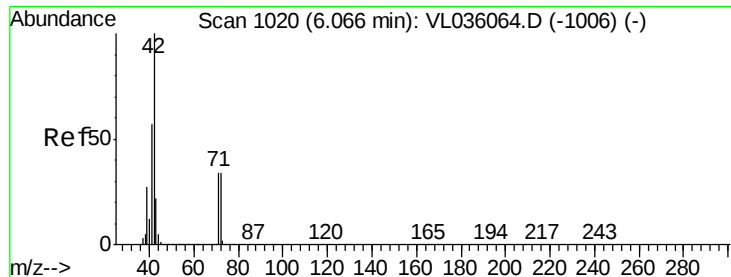
MMDadoda
 12/17/2020 3:55:45 PM



#40
 1,4-Dioxane
 Concen: 11.784 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	302937		
58	154.3	122.6	184.0	
43	0.0	0.0	0.0	
57	0.0	0.0	0.0	





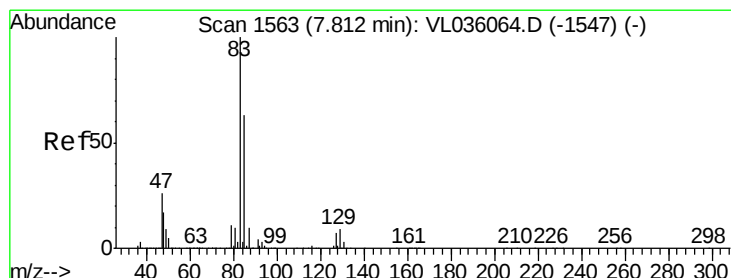
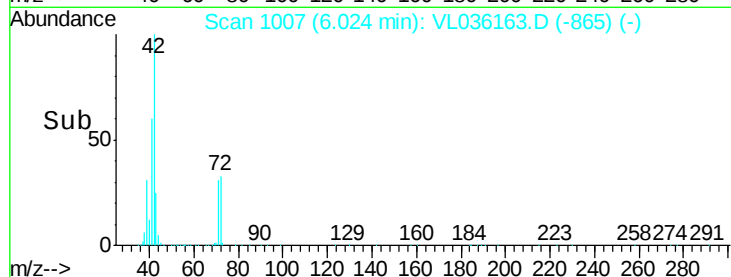
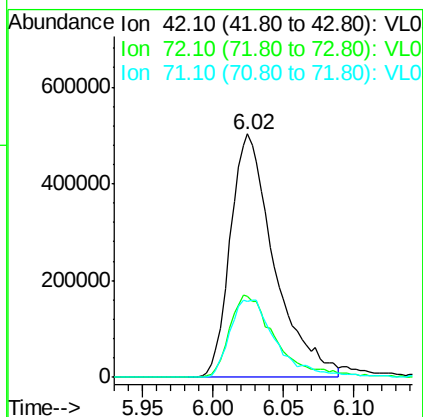
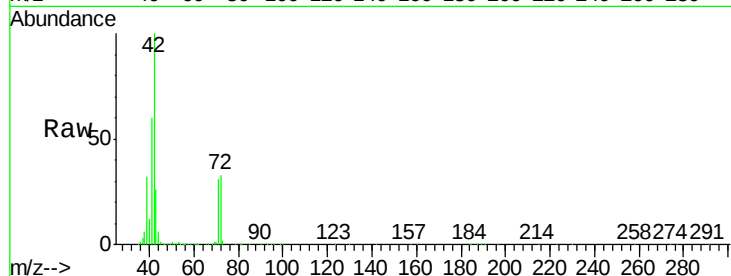
#41
Tetrahydrofuran
Concen: 11.366 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1093866
Ion Ratio Lower Upper
42 100
72 36.1 28.3 42.5
71 34.3 27.3 40.9

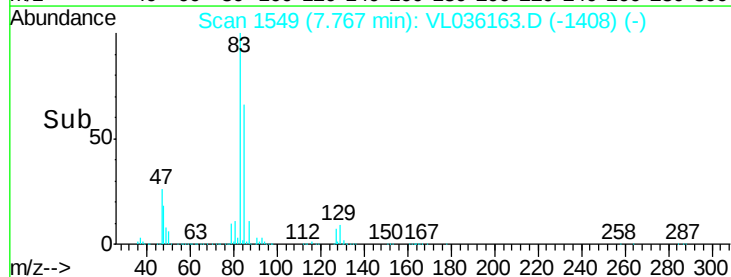
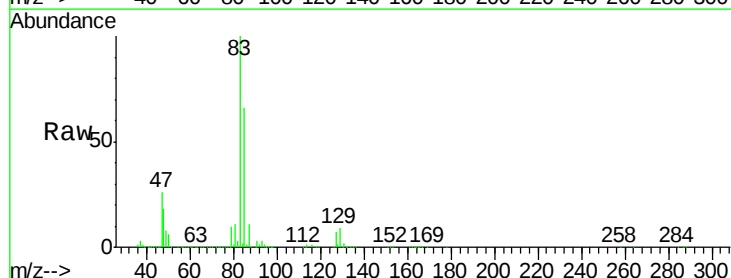
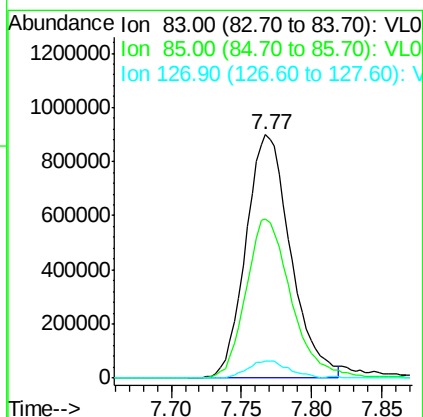
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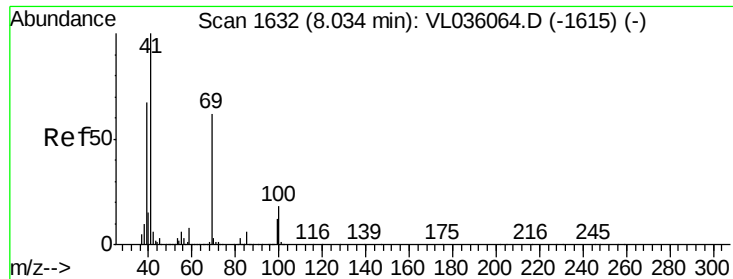
MMDadoda
12/17/2020 3:55:45 PM



#42
Bromodichloromethane
Concen: 12.519 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 83 Resp: 2000627
Ion Ratio Lower Upper
83 100
85 65.6 50.2 75.2
127 6.8 5.5 8.3





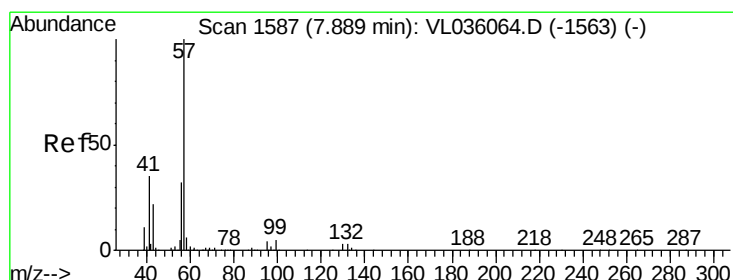
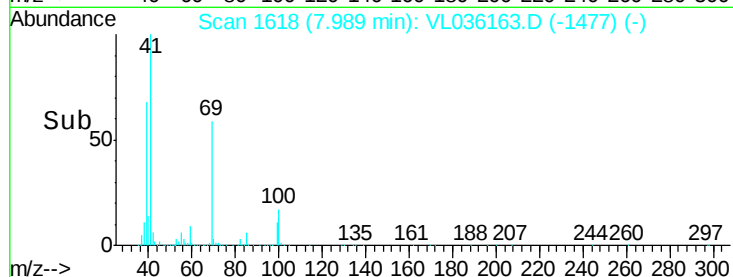
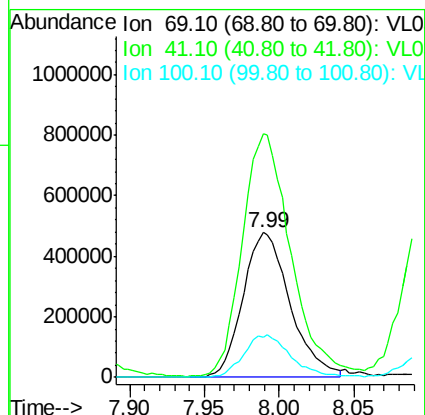
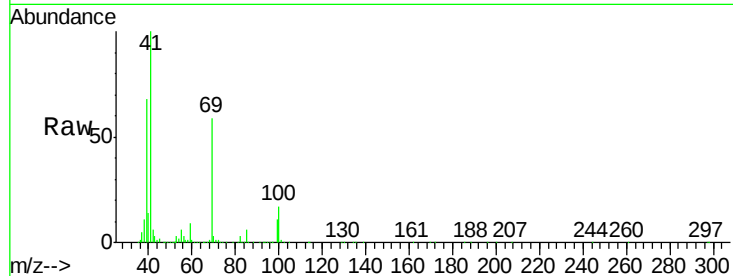
#43
Methyl Methacrylate
Concen: 11.792 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1047037
Ion Ratio Lower Upper
69 100
41 175.1 133.0 199.6
100 29.6 25.4 38.0

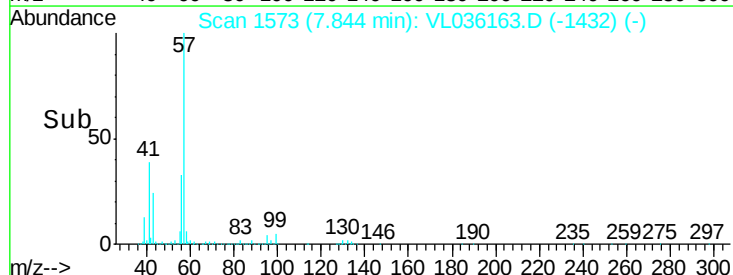
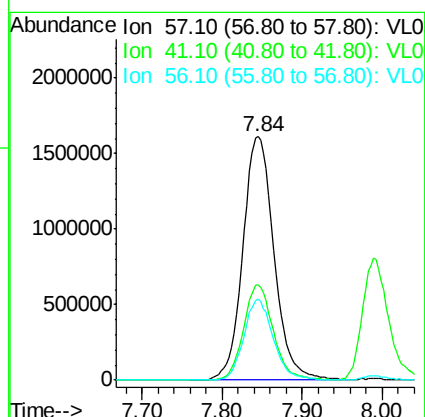
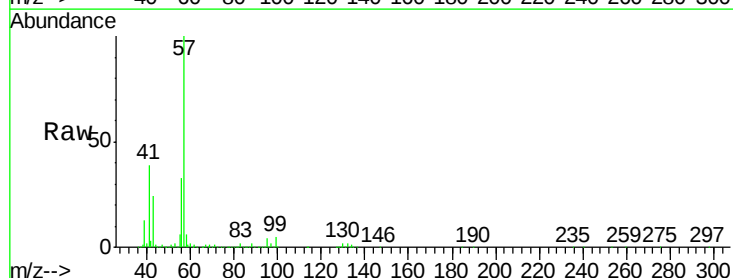
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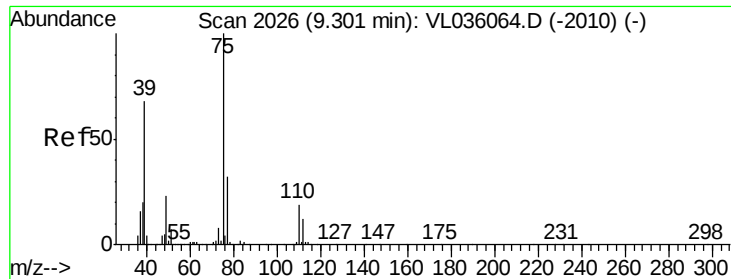
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 11.303 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 57 Resp: 4236569
Ion Ratio Lower Upper
57 100
41 37.3 28.9 43.3
56 31.4 25.3 37.9





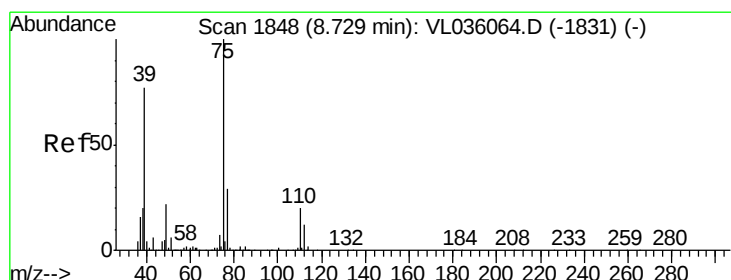
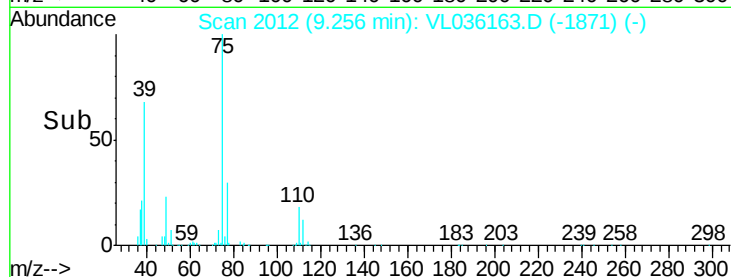
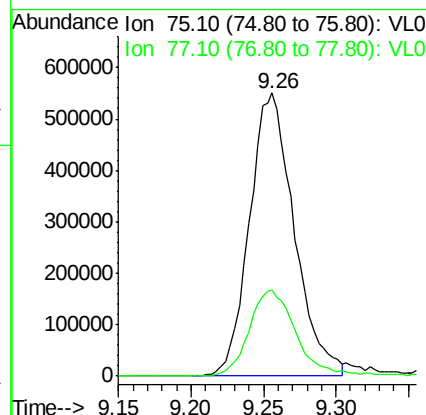
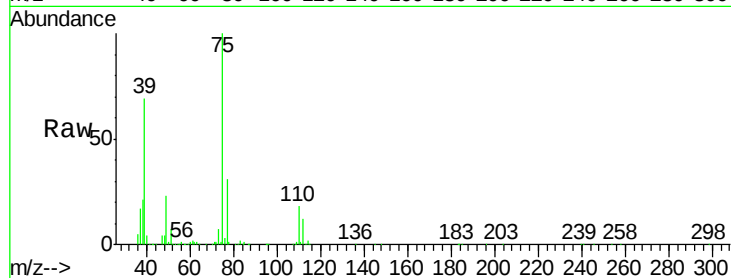
#45
t-1,3-Dichloropropene
Concen: 12.926 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1179123
Ion Ratio Lower Upper
75 100
77 30.7 26.0 39.0

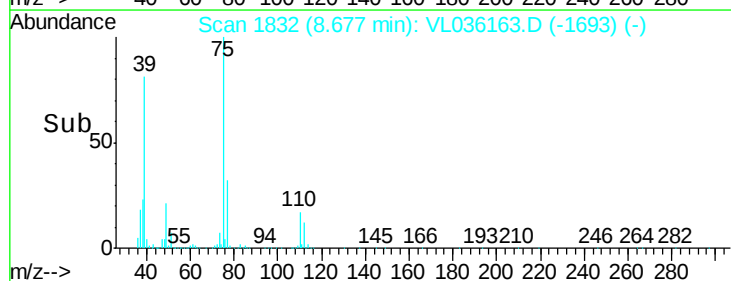
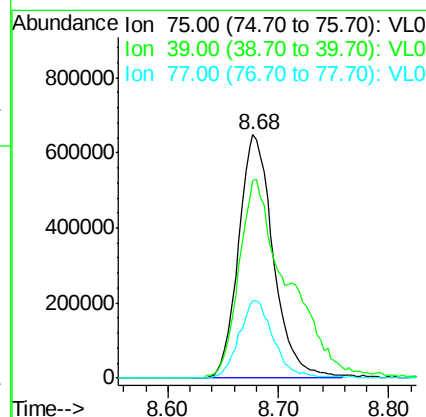
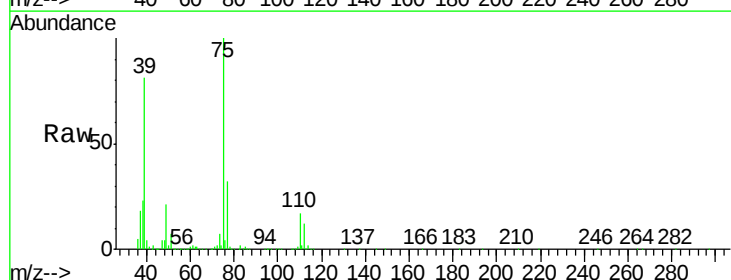
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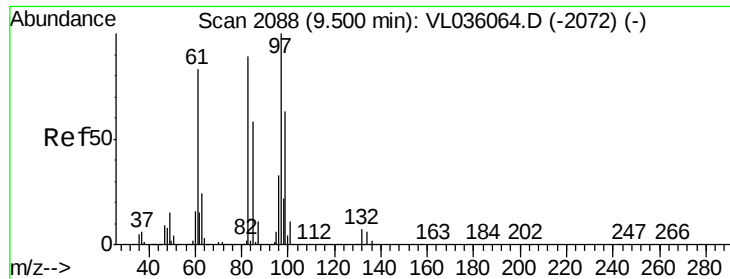
MMDadoda
12/17/2020 3:55:45 PM



#46
cis-1,3-Dichloropropene
Concen: 12.380 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 75 Resp: 1415408
Ion Ratio Lower Upper
75 100
39 80.9 61.6 92.4
77 31.8 23.0 34.6





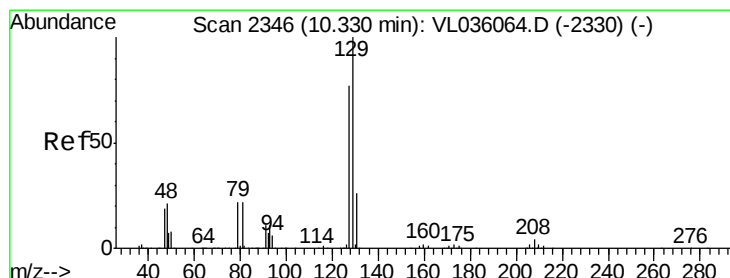
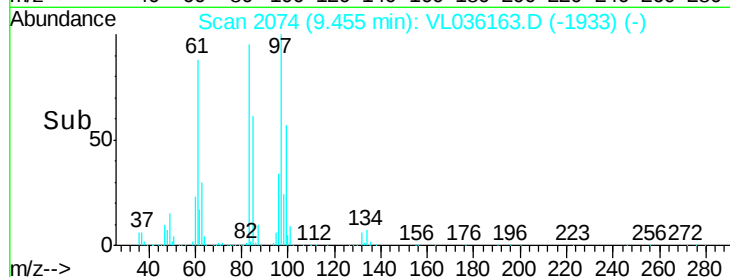
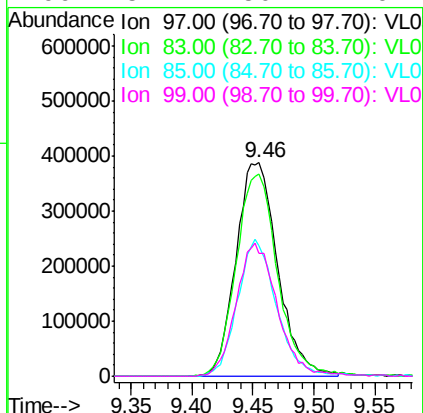
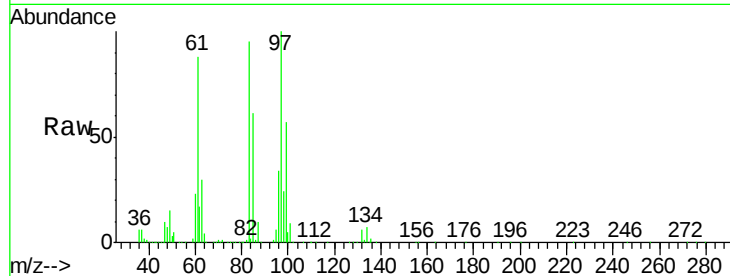
#47
 1,1,2-Trichloroethane
 Concen: 11.648 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.8	71.4	107.2
85	60.7	46.6	70.0
99	57.2	50.7	76.1

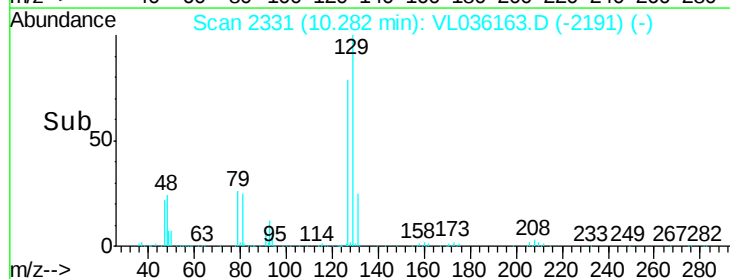
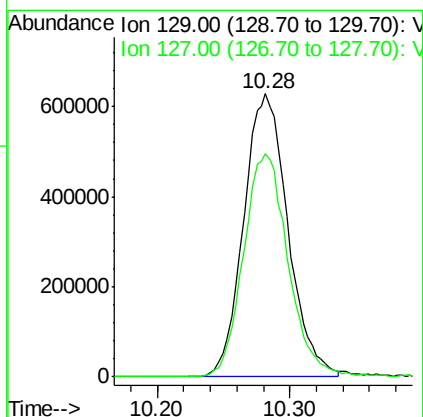
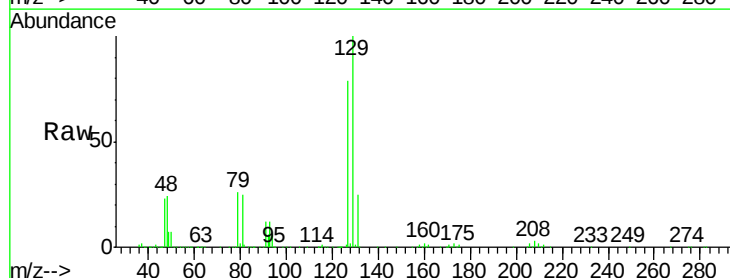
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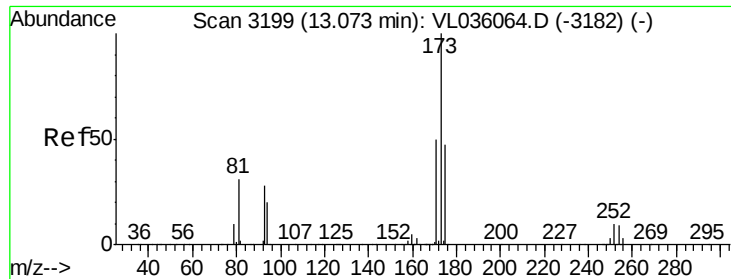
MMDadoda
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#48
 Dibromochloromethane
 Concen: 12.246 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.0	117.0





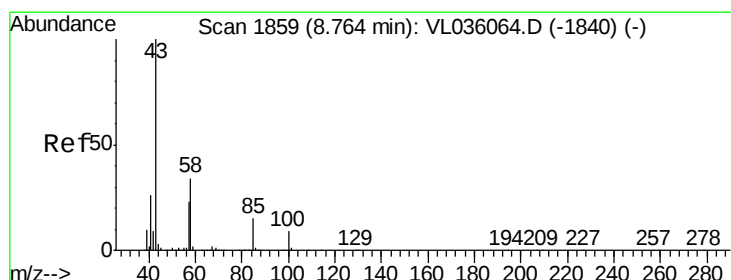
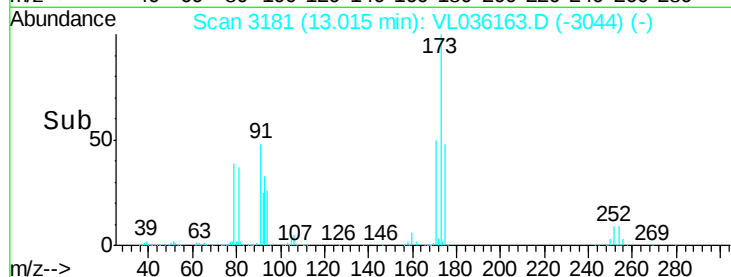
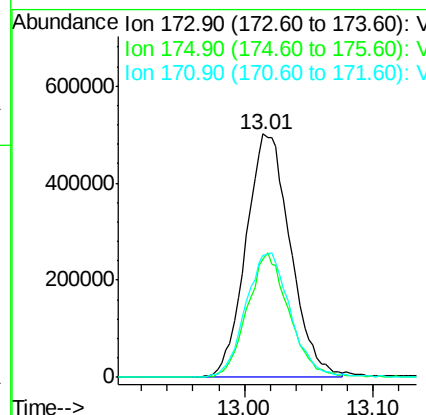
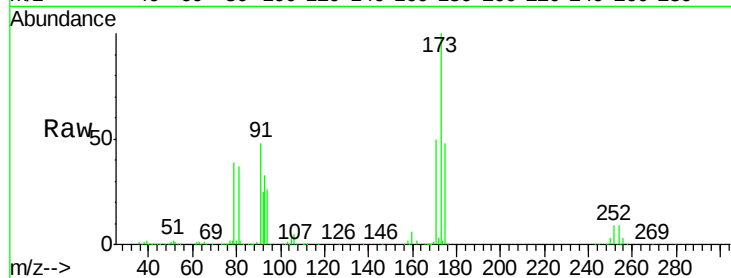
#49
Bromoform
Concen: 12.821 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 173 Resp: 1198270
Ion Ratio Lower Upper
173 100
175 48.3 39.8 59.6
171 51.8 42.5 63.7

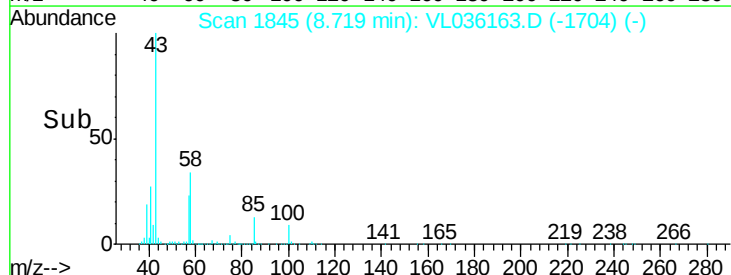
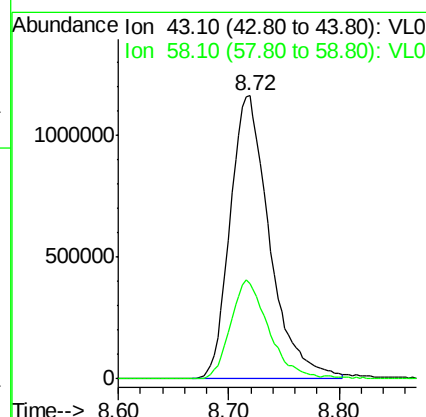
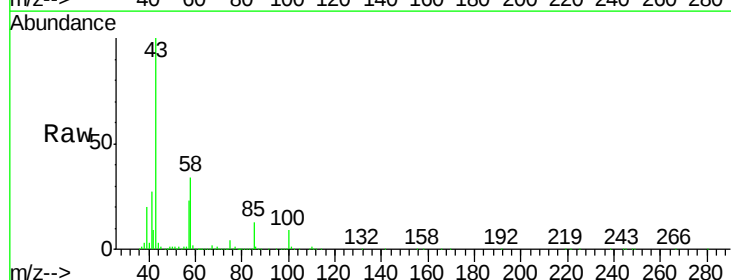
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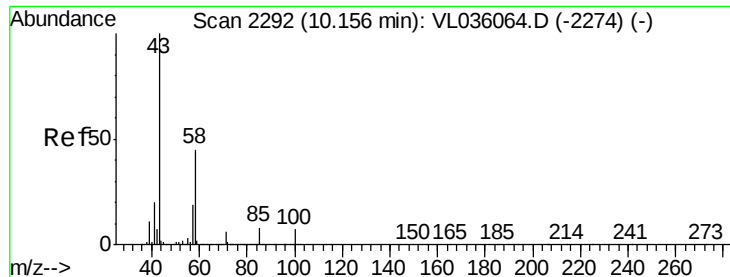
MMDadoda
12/17/2020 3:55:45 PM



#50
4-Methyl-2-Pentanone
Concen: 11.911 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 43 Resp: 2877503
Ion Ratio Lower Upper
43 100
58 34.2 27.4 41.2





#51

2-Hexanone

Concen: 12.420 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2345407

Ion Ratio Lower Upper

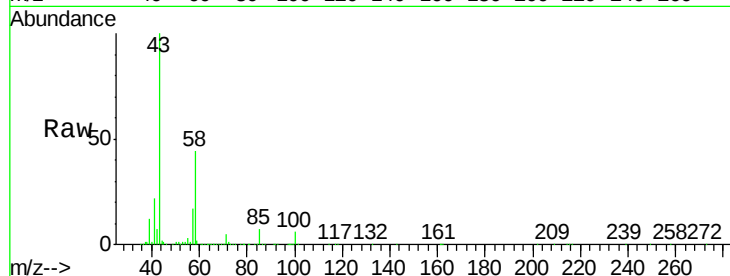
43 100

58 47.2 38.7 58.1

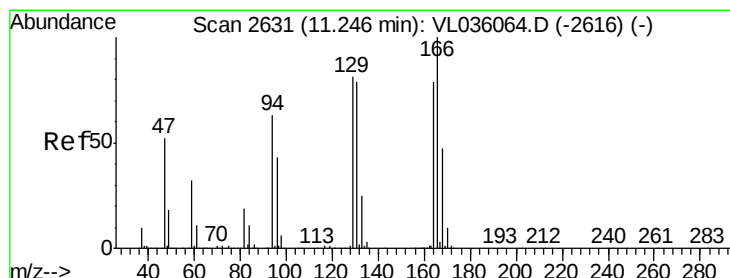
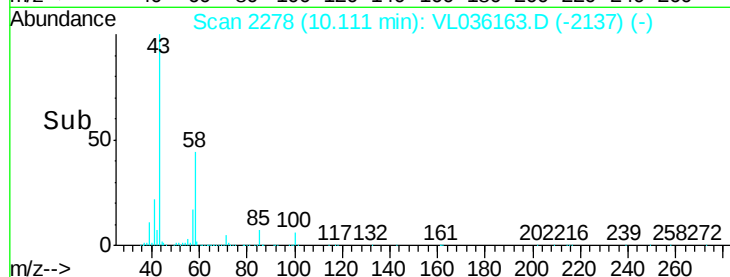
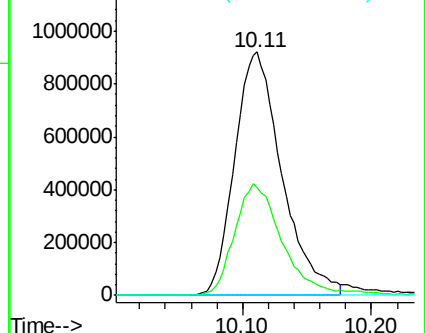
98 0.1 0.1 0.1#

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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: 9.484 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Tgt Ion: 164 Resp: 710589

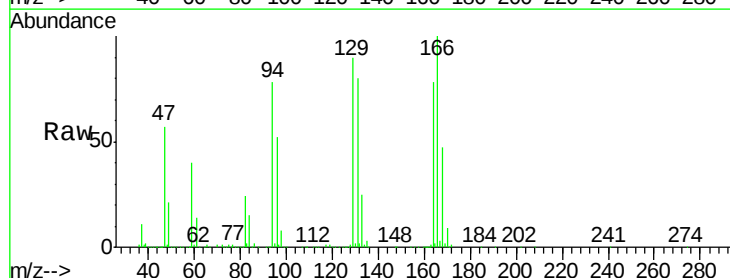
Ion Ratio Lower Upper

164 100

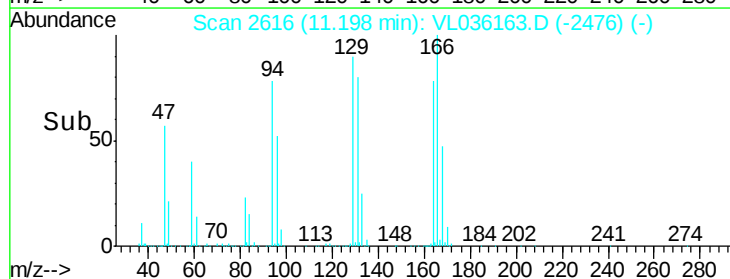
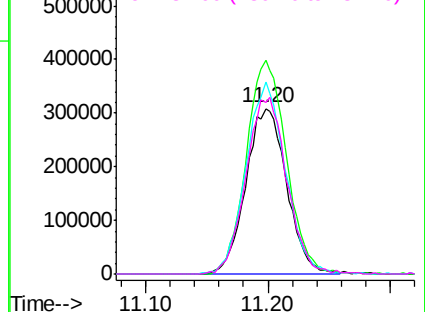
166 129.0 101.9 152.9

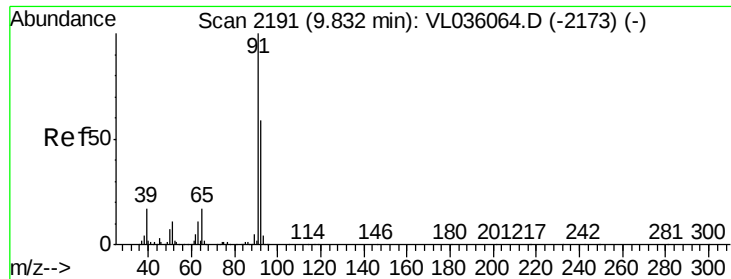
129 115.8 82.1 123.1

131 103.5 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: 11.458 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2662788

Ion Ratio Lower Upper

91 100

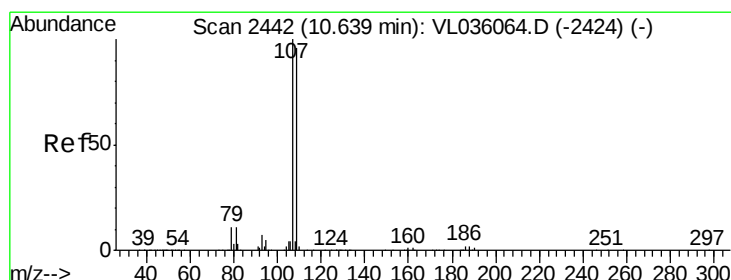
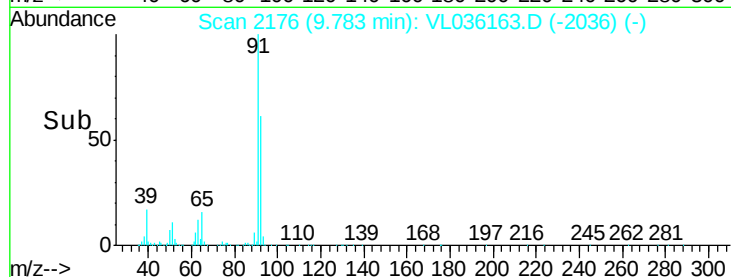
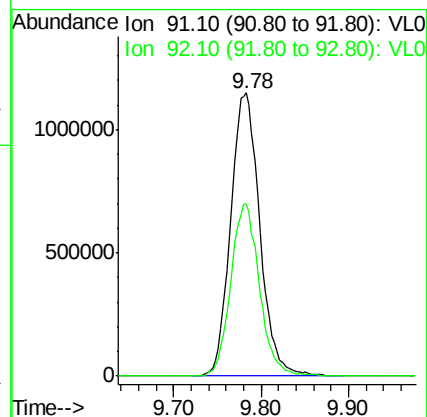
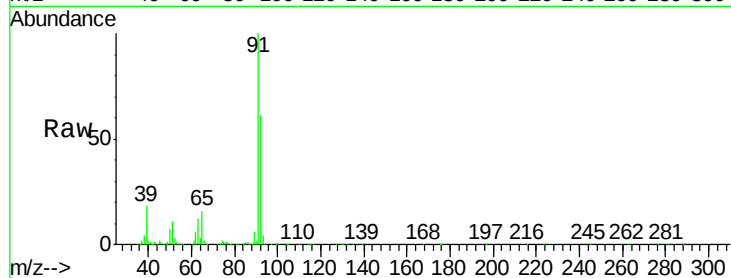
92 60.0 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 11.511 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.05 min

Lab File: VL036163.D

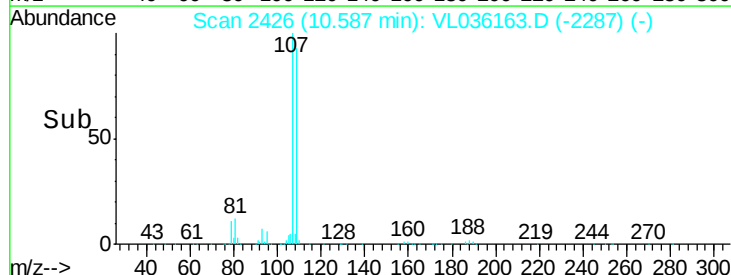
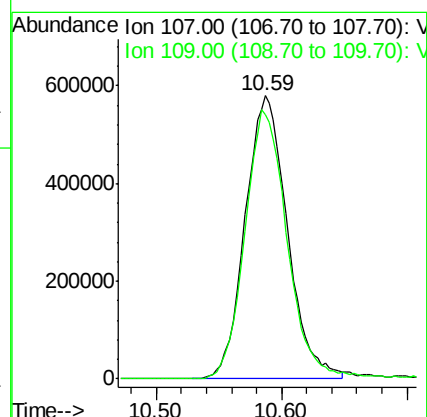
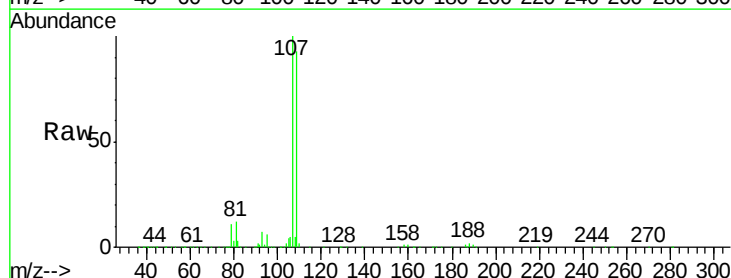
Acq: 16 Dec 2020 10:47

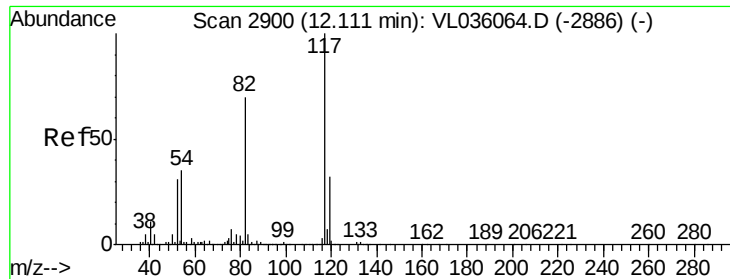
Tgt Ion: 107 Resp: 1356797

Ion Ratio Lower Upper

107 100

109 93.1 76.6 115.0





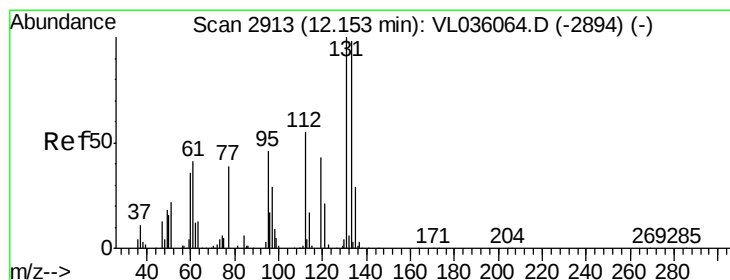
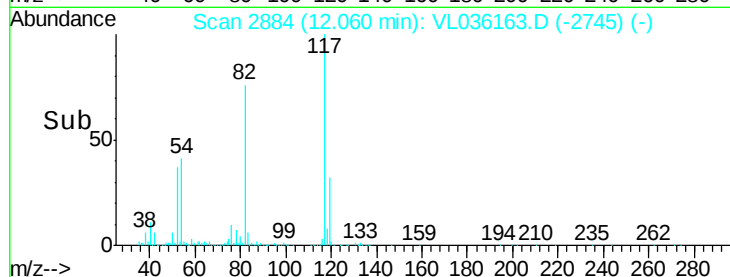
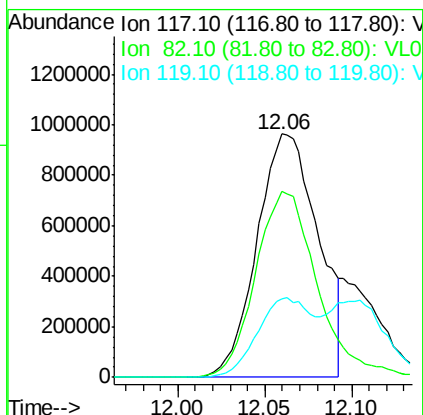
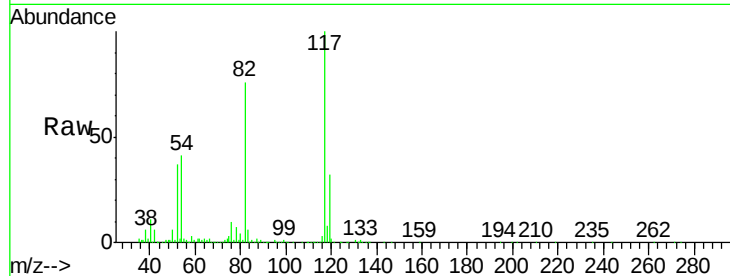
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2884
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2347446
Ion Ratio Lower Upper
117 100
82 78.0 0.0 0.0#
119 28.3 0.0 0.0#

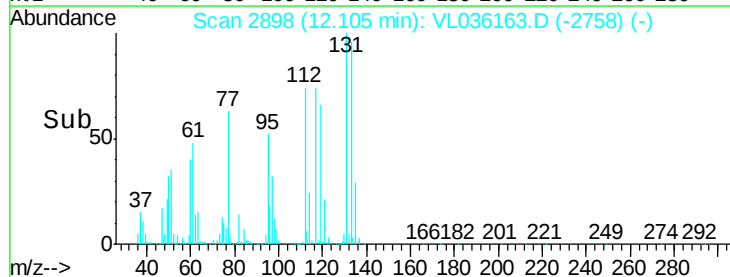
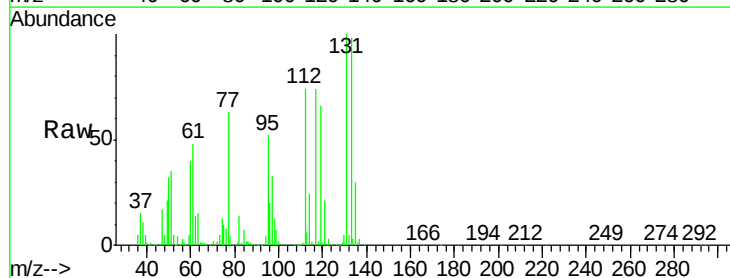
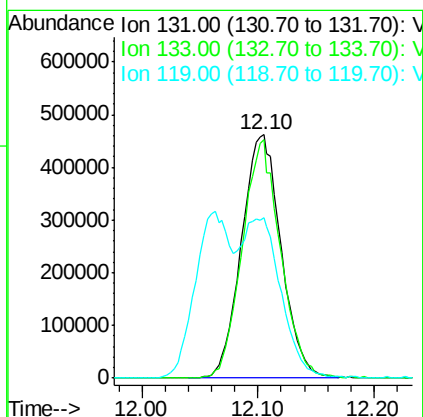
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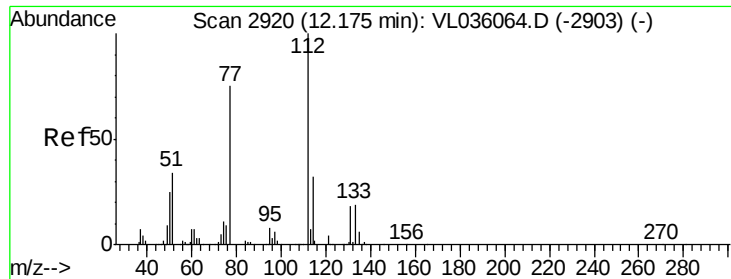
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.244 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:131 Resp: 1094412
Ion Ratio Lower Upper
131 100
133 95.0 77.7 116.5
119 59.0 51.6 77.4





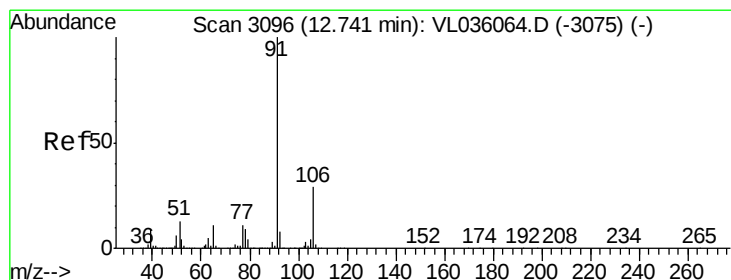
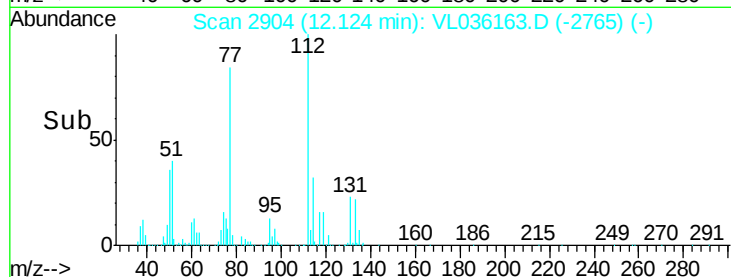
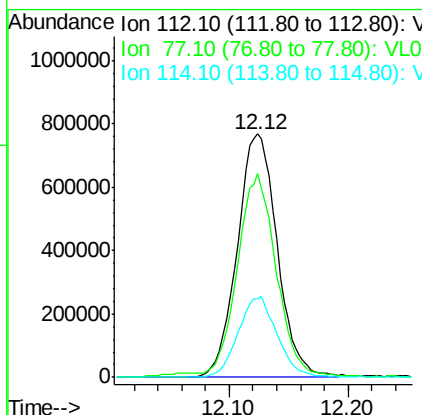
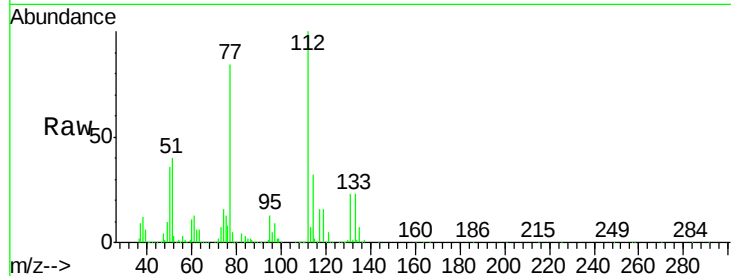
#57
Chlorobenzene
Concen: 10.788 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
112	100		
77	82.9	60.5	90.7
114	32.2	29.2	35.6

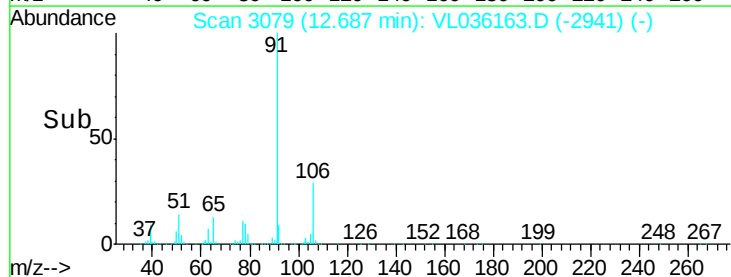
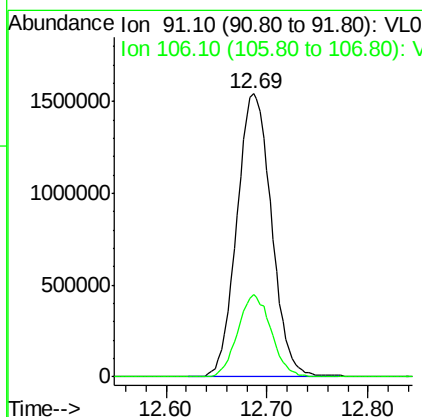
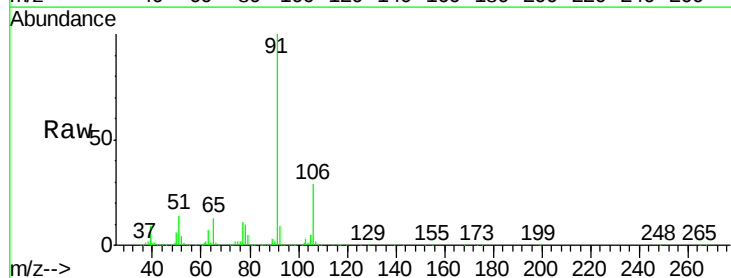
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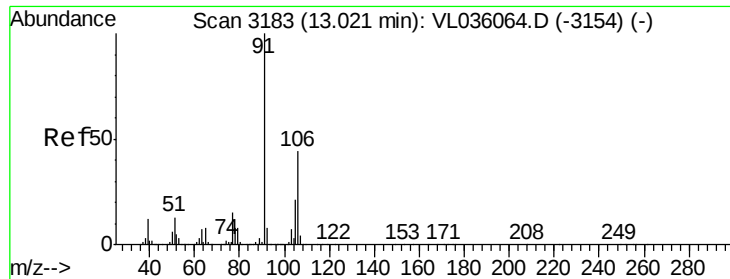
MMDadoda
12/17/2020 3:55:45 PM



#58
Ethyl Benzene
Concen: 11.390 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.0	34.4





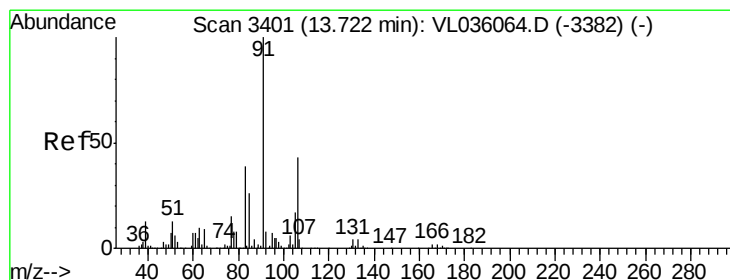
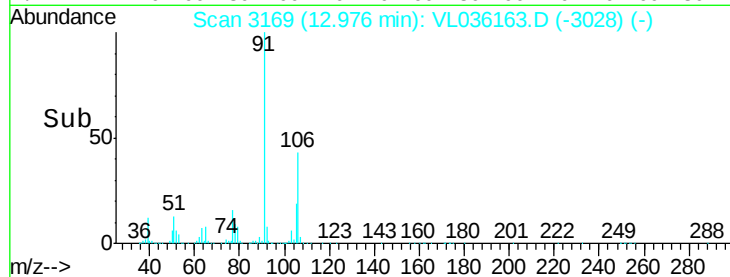
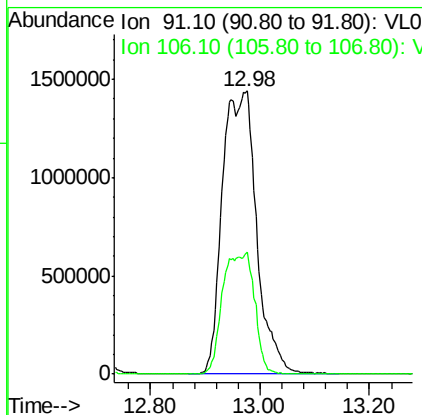
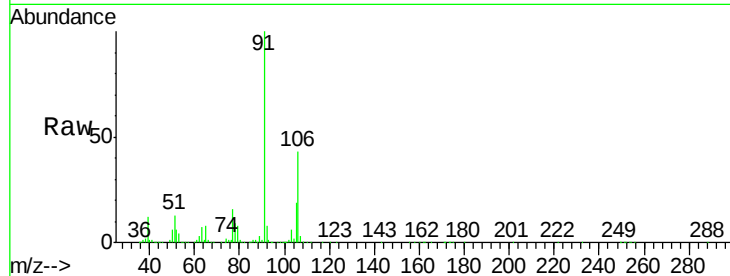
#59
m/p-Xylene
Concen: 23.075 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 6252225
Ion Ratio Lower Upper
91 100
106 39.7 33.6 50.4

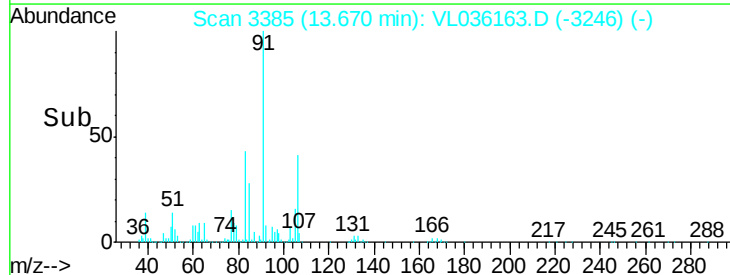
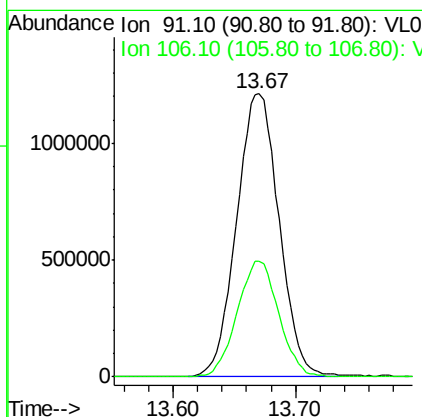
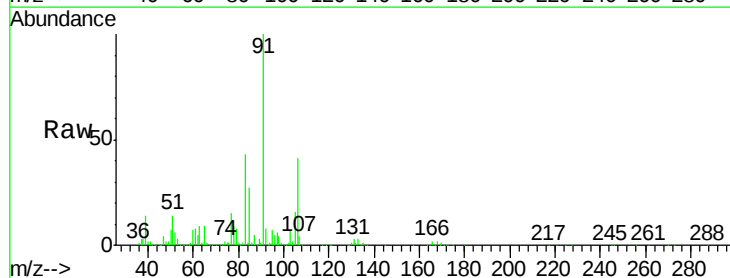
Manual Integrations
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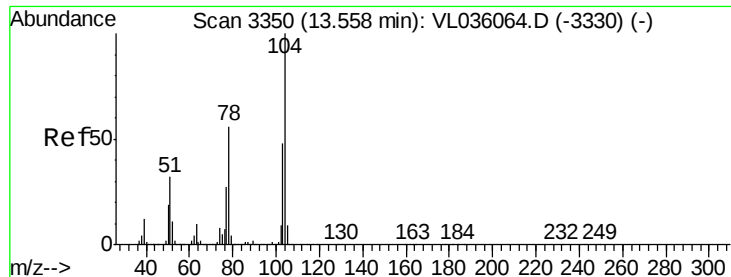
MMDadoda
12/17/2020 3:55:45 PM



#60
o-Xylene
Concen: 11.359 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 2899699
Ion Ratio Lower Upper
91 100
106 40.6 21.6 64.6





#61

Styrene

Concen: 11.945 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1957782

Ion Ratio Lower Upper

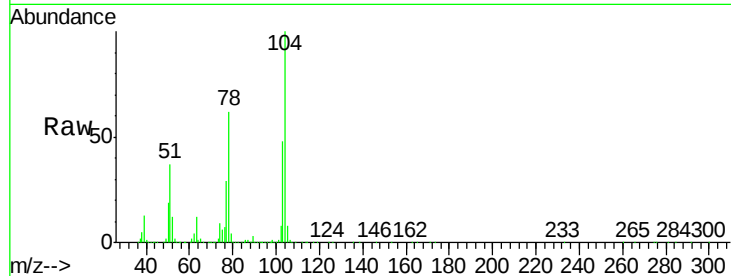
104 100

78 62.3 45.8 68.8

103 48.6 38.6 57.8

Manual Integrations
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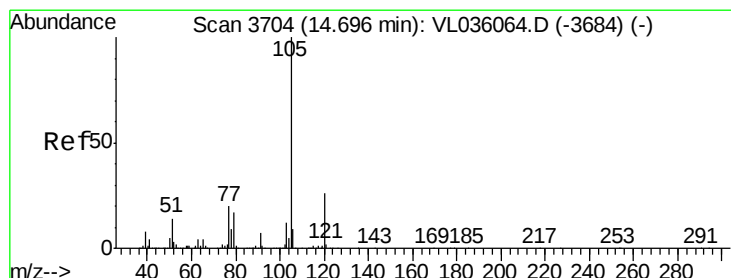
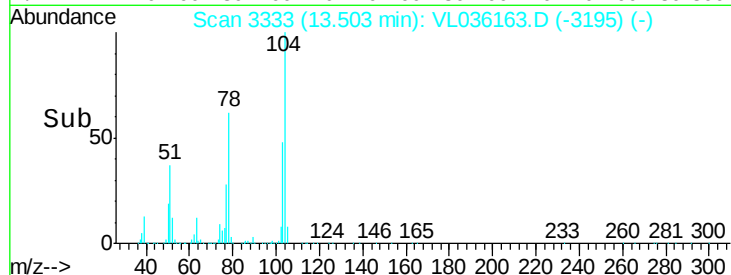
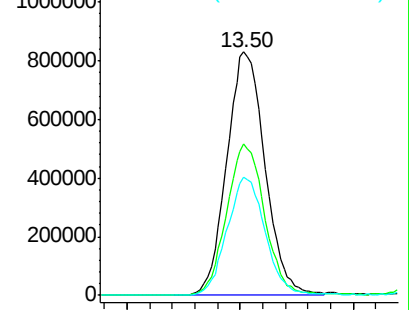
MMDadoda
12/17/2020 3:55:45 PM



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: 11.034 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.05 min

Lab File: VL036163.D

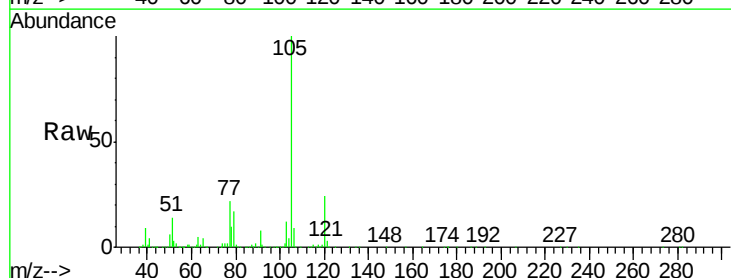
Acq: 16 Dec 2020 10:47

Tgt Ion:105 Resp: 4175345

Ion Ratio Lower Upper

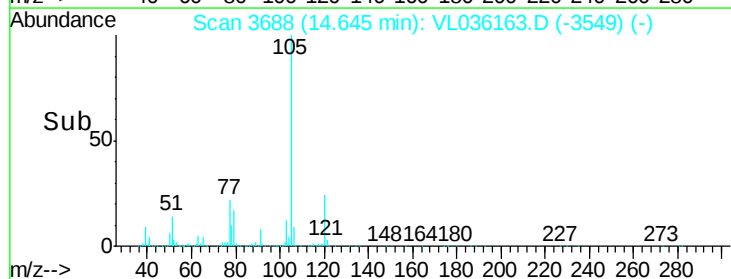
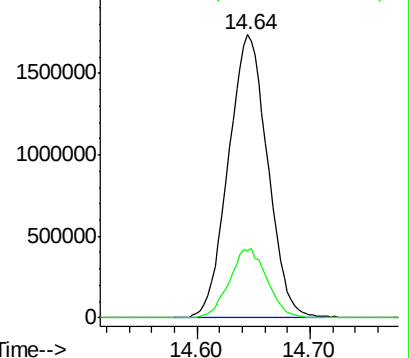
105 100

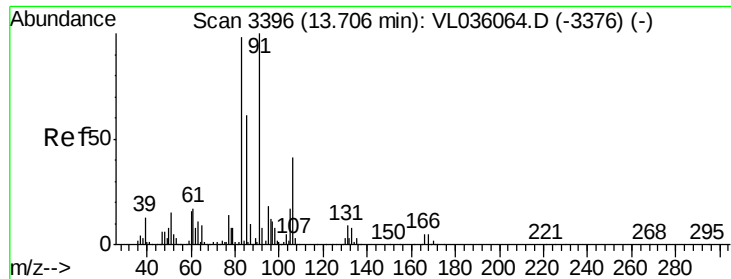
120 23.8 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





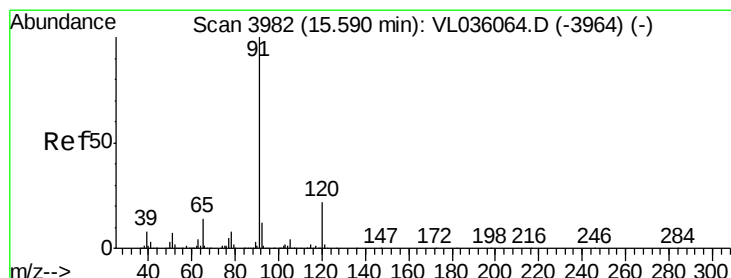
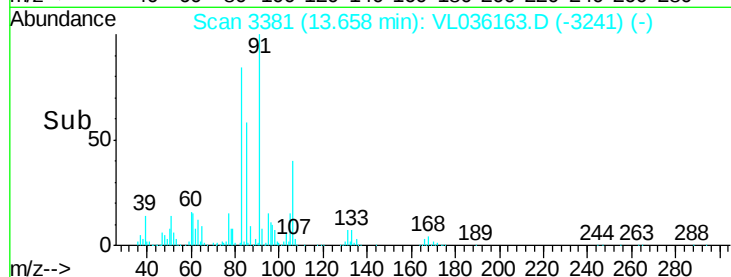
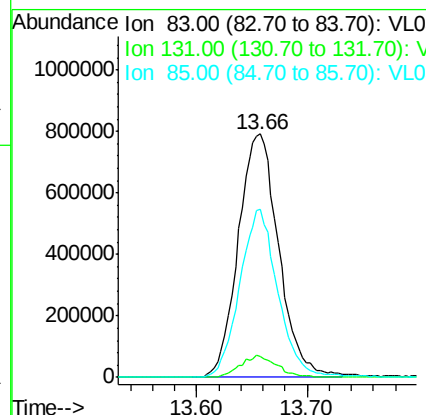
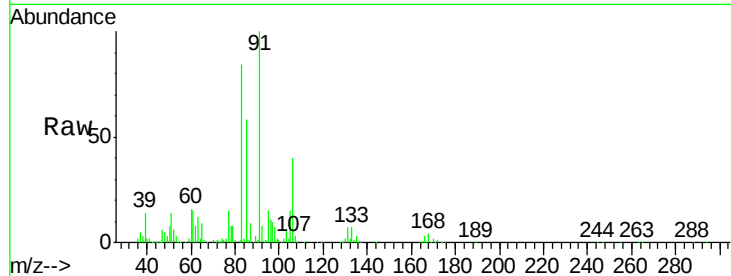
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.676 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 2007417
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.6 13.8
 85 65.2 32.5 97.5

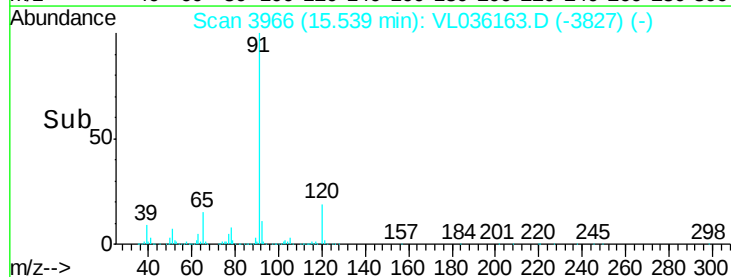
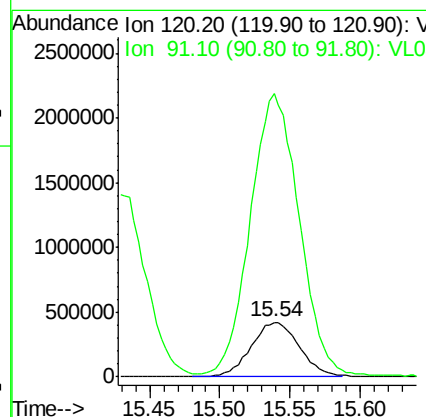
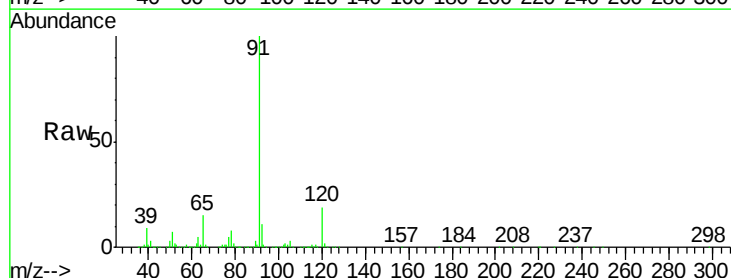
Manual Integrations
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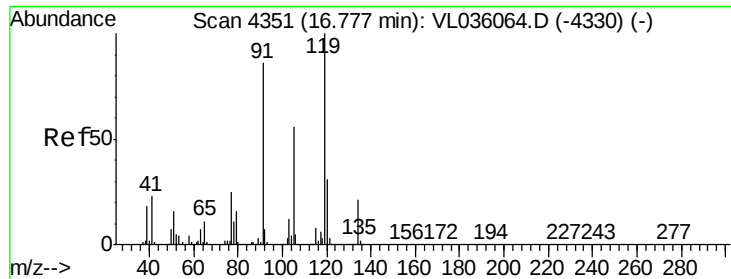
MMDadoda
 12/17/2020 3:55:45 PM



#64
 n-propylbenzene
 Concen: 10.959 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion: 120 Resp: 997679
 Ion Ratio Lower Upper
 120 100
 91 536.3 388.9 583.3





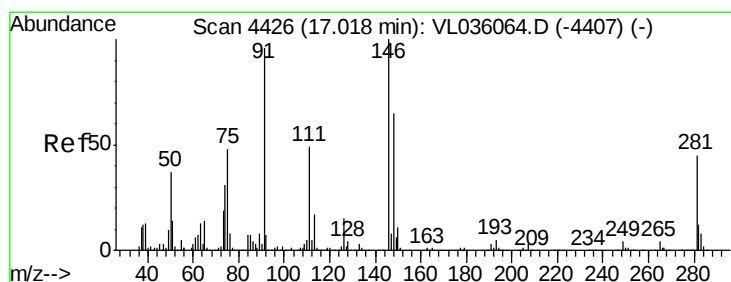
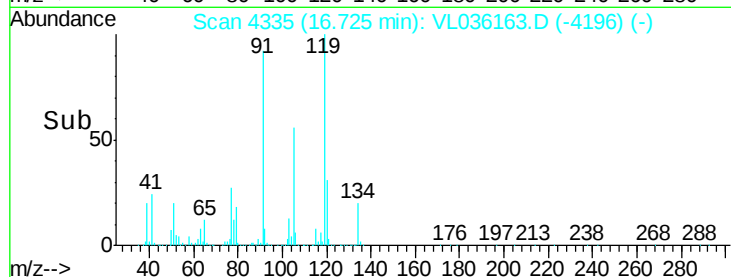
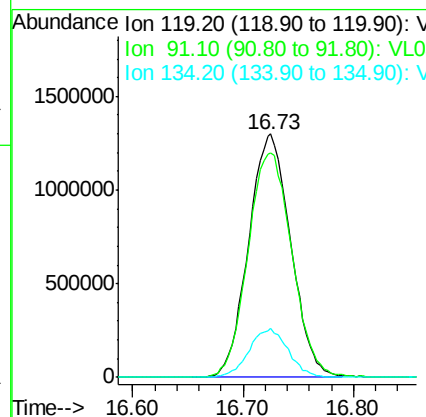
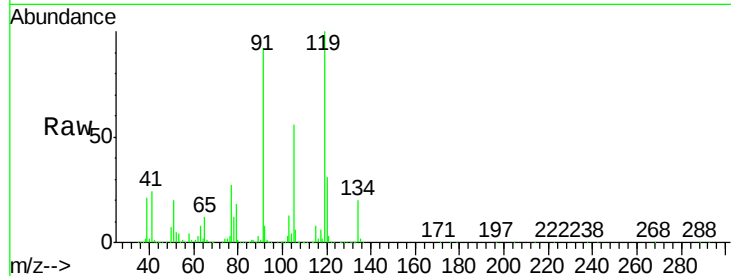
#65
tert-Butylbenzene
Concen: 11.080 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 3431970
Ion Ratio Lower Upper
119 100
91 96.7 70.2 105.2
134 18.8 15.8 23.6

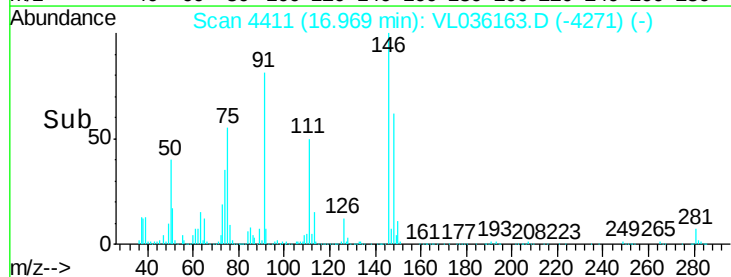
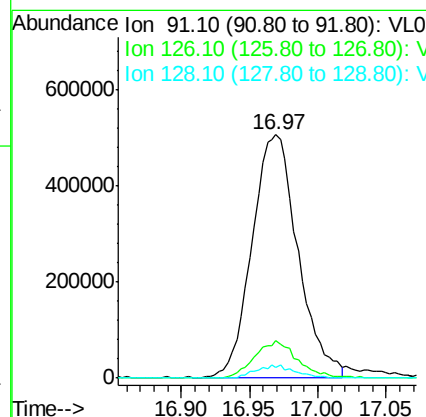
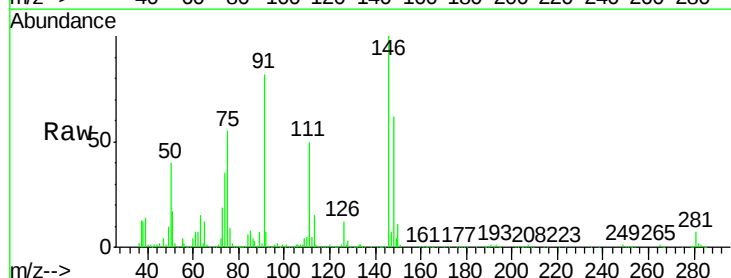
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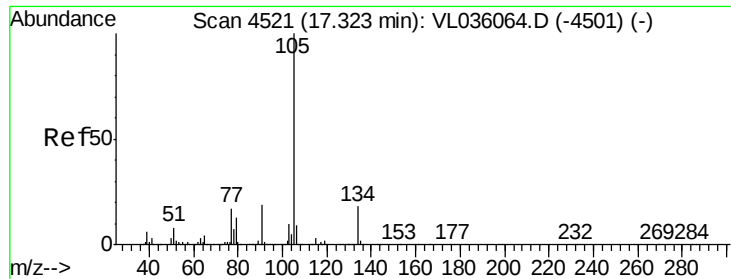
MMDadoda
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#66
Benzyl Chloride
Concen: 15.277 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 1178248
Ion Ratio Lower Upper
91 100
126 14.8 13.5 20.3
128 4.5 4.4 6.6





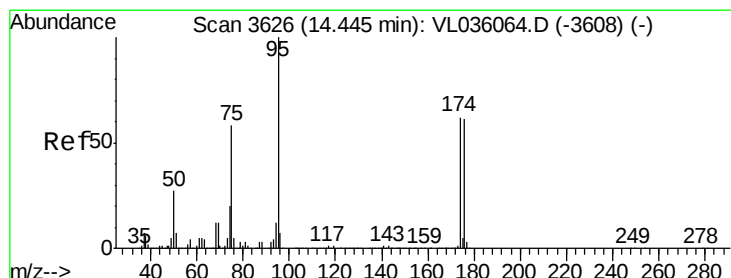
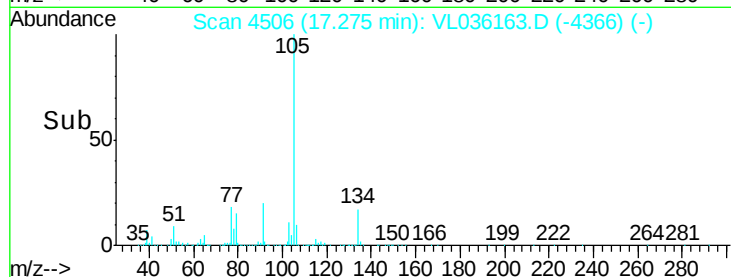
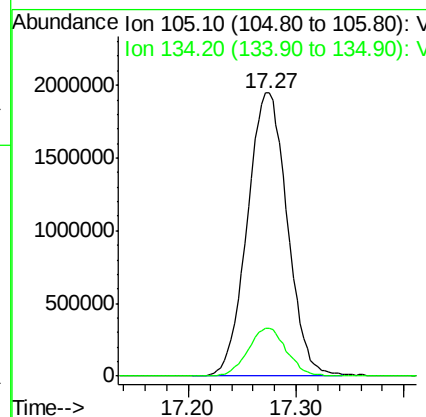
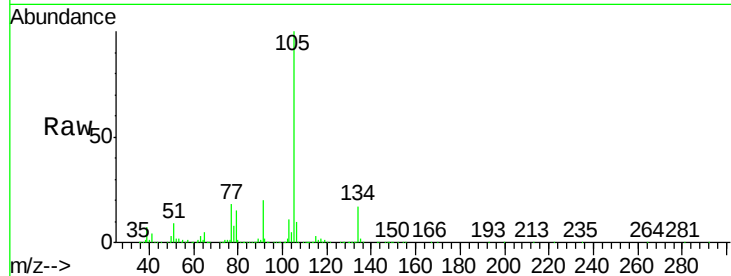
#67
 sec-Butylbenzene
 Concen: 11.543 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 5003672
 Ion Ratio Lower Upper
 105 100
 134 16.6 14.2 21.4

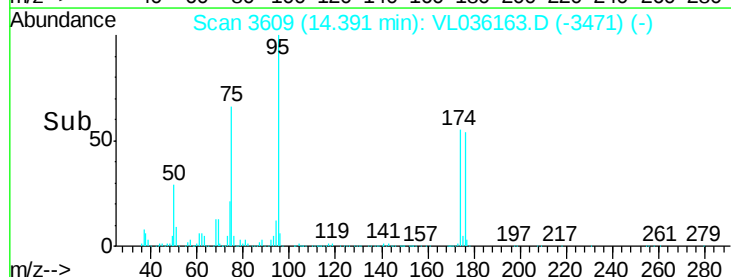
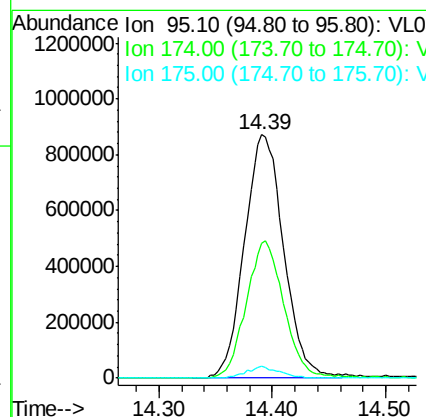
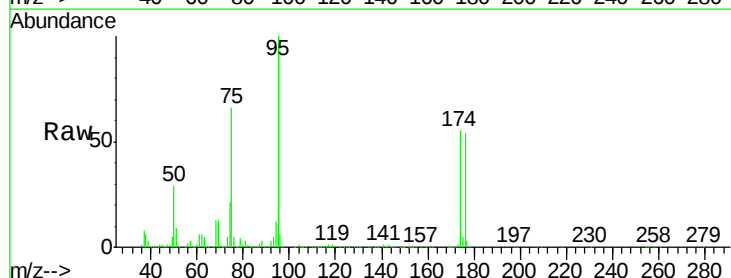
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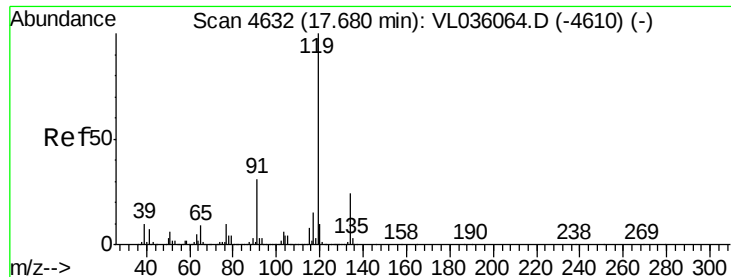
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.260 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion: 95 Resp: 2098836
 Ion Ratio Lower Upper
 95 100
 174 54.7 50.7 76.1
 175 4.1 4.0 6.0





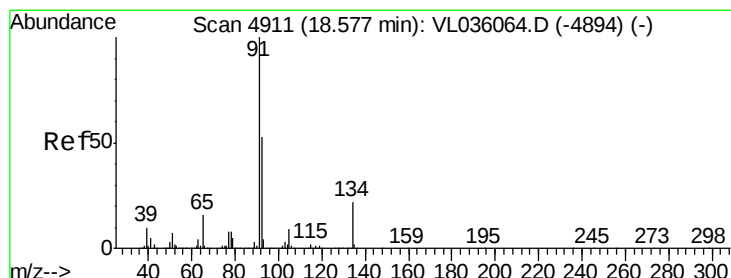
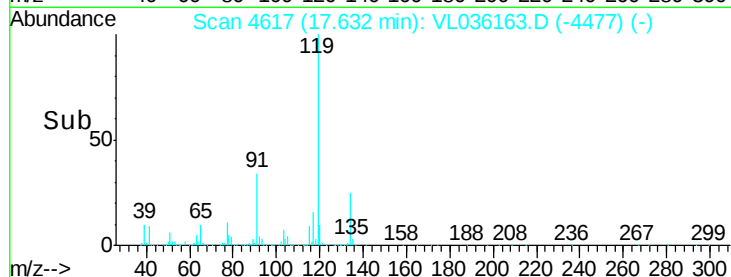
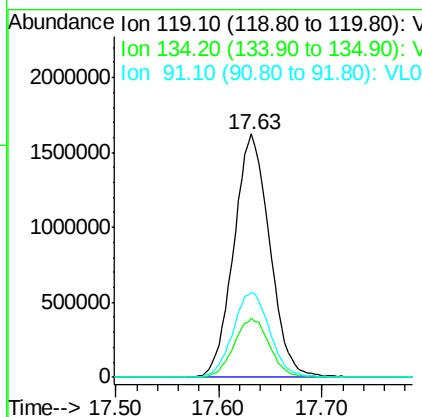
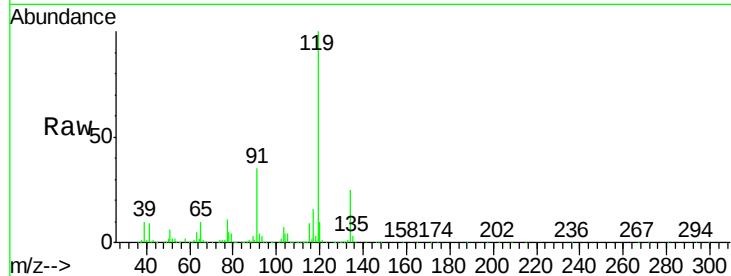
#69
p-Isopropyltoluene
Concen: 11.404 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 3932152
Ion Ratio Lower Upper
119 100
134 24.0 19.8 29.6
91 35.8 25.8 38.6

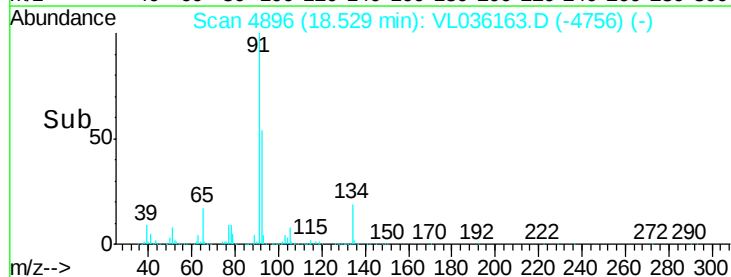
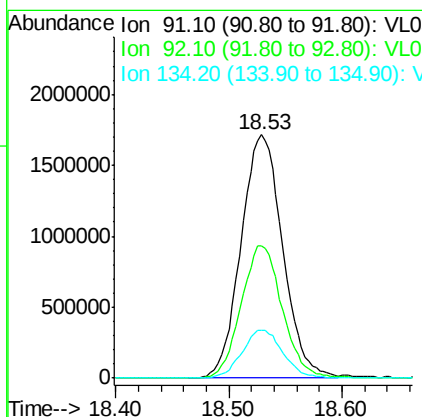
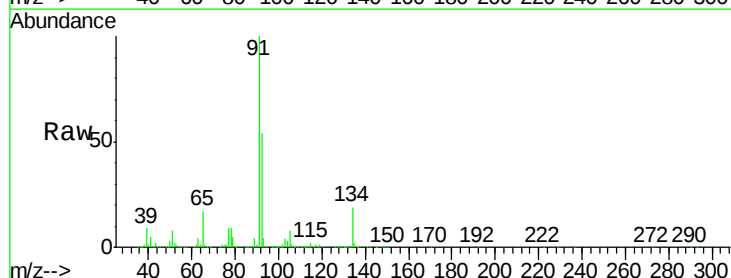
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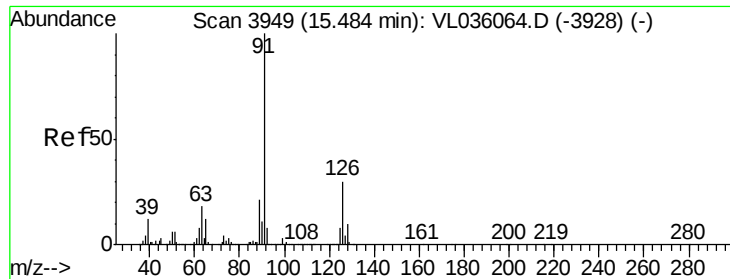
MMDadoda
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#70
n-Butylbenzene
Concen: 12.857 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 4381626
Ion Ratio Lower Upper
91 100
92 54.2 43.3 64.9
134 19.4 17.1 25.7





#71

2-Chlorotoluene

Concen: 11.925 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3410976

Ion Ratio Lower Upper

91 100

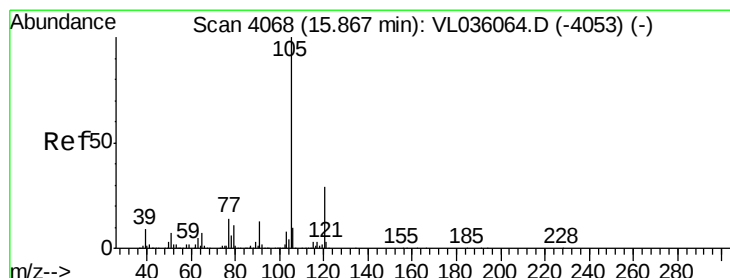
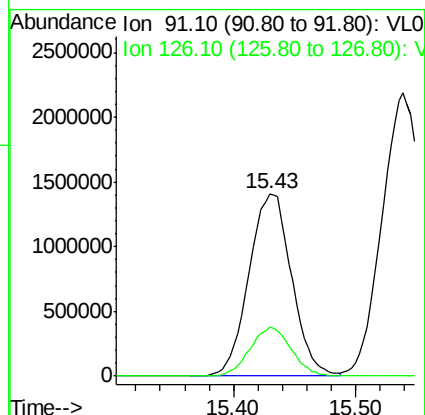
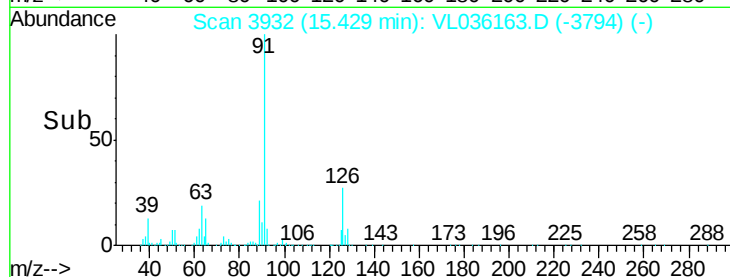
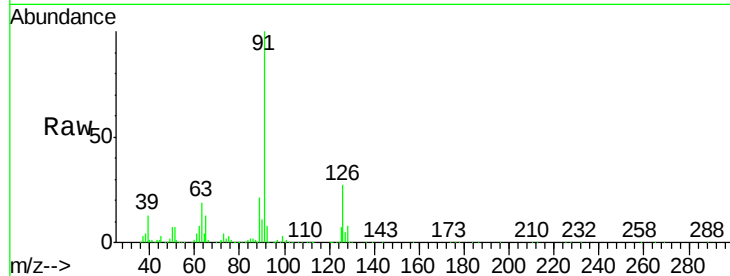
126 26.1 11.6 46.4

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#72

4-Ethyltoluene

Concen: 11.704 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Tgt Ion: 105 Resp: 3236686

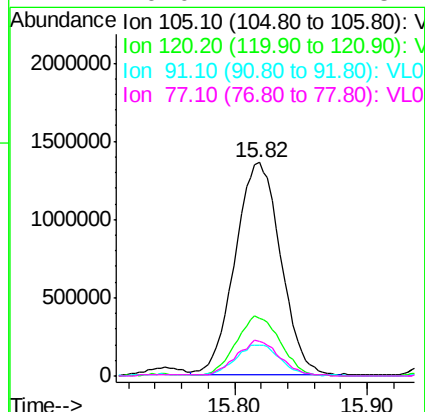
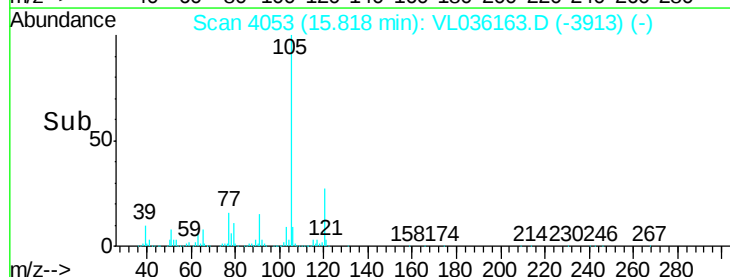
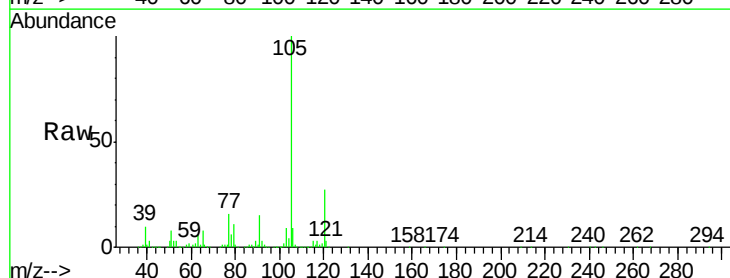
Ion Ratio Lower Upper

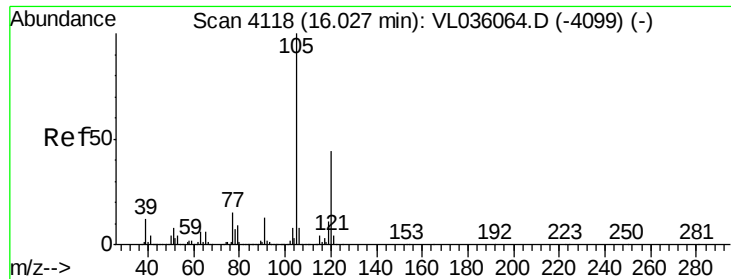
105 100

120 27.7 23.6 35.4

91 14.9 11.4 17.0

77 16.0 12.1 18.1





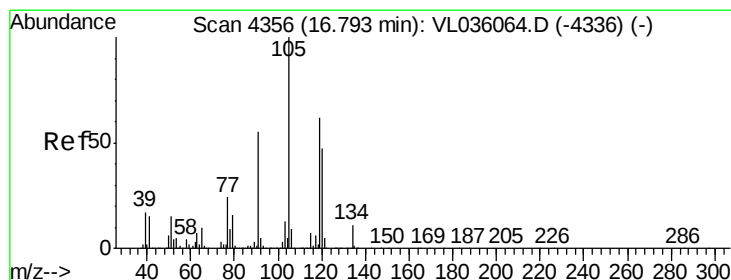
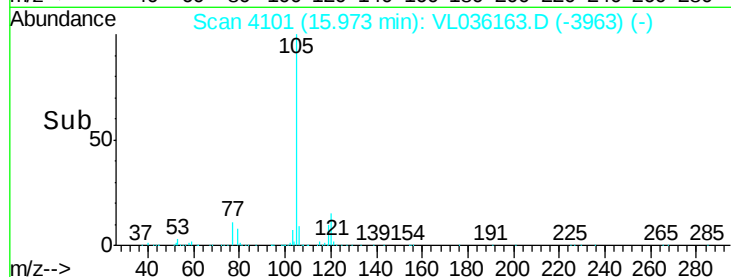
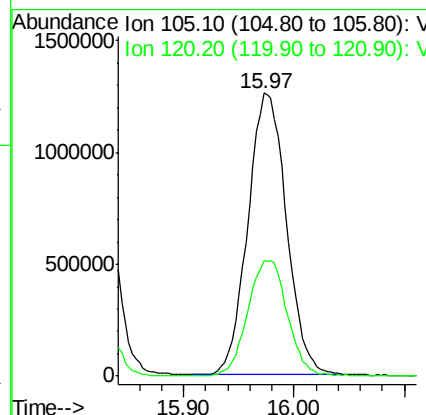
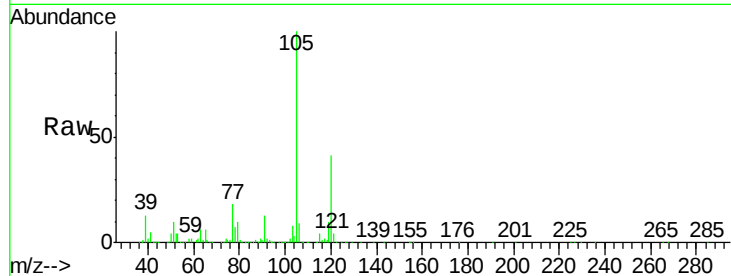
#73
 1,3,5-Trimethylbenzene
 Concen: 11.560 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 3053008
 Ion Ratio Lower Upper
 105 100
 120 40.8 35.4 53.2

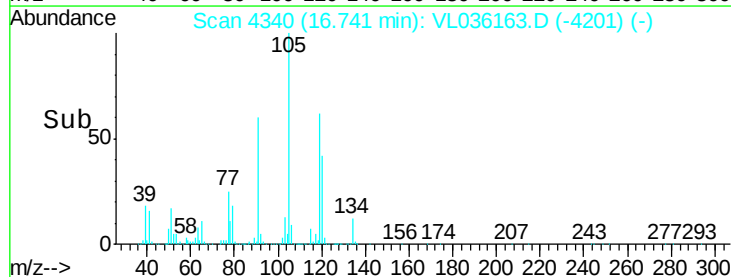
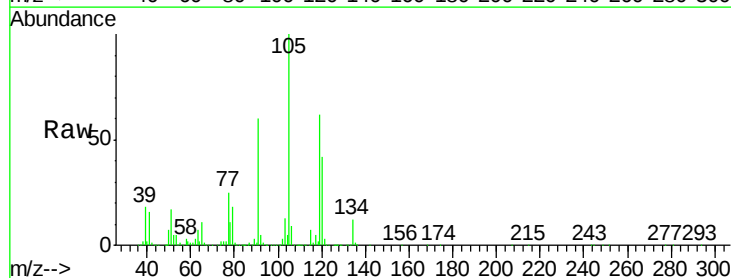
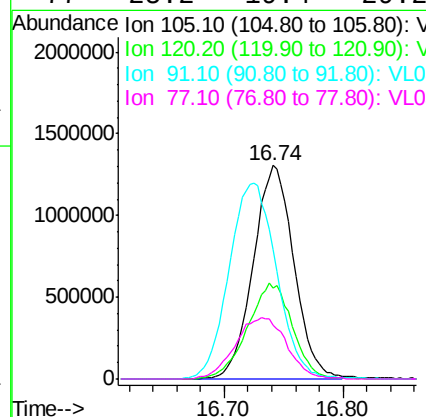
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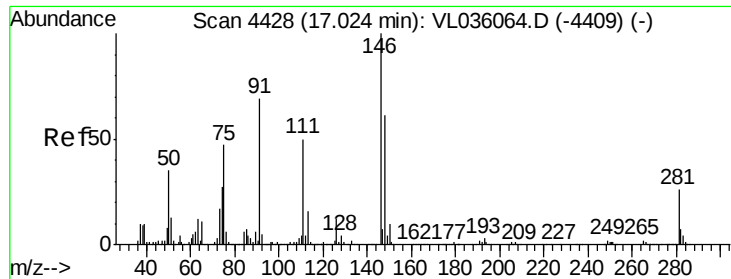
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#74
 1,2,4-Trimethylbenzene
 Concen: 11.638 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion:105 Resp: 3085547
 Ion Ratio Lower Upper
 105 100
 120 42.3 37.4 56.0
 91 59.8 45.6 68.4
 77 25.2 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 11.591 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.05 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1538270

Ion Ratio Lower Upper

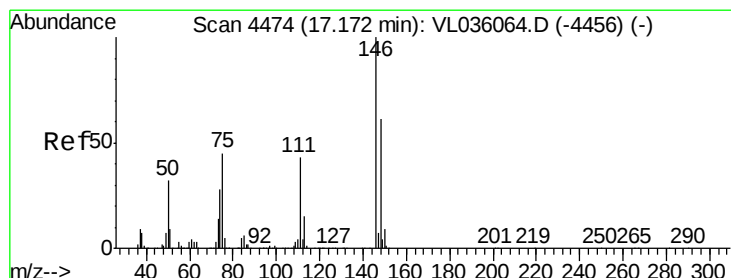
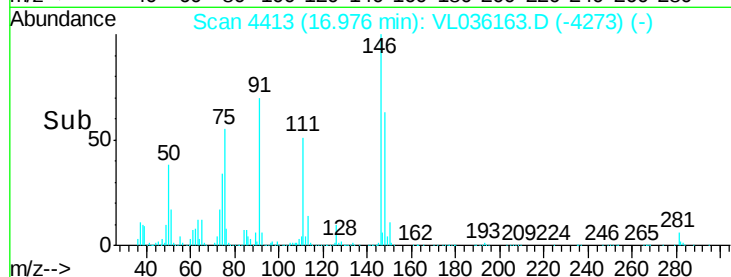
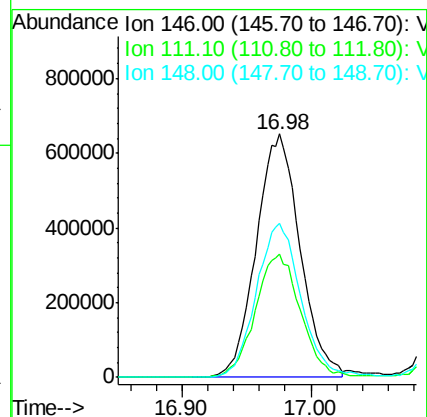
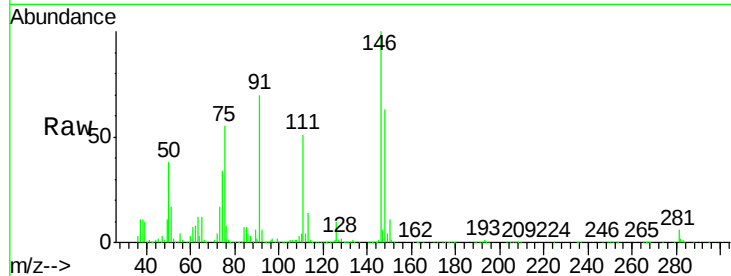
146 100

111 52.6 25.1 75.3

148 64.9 32.9 98.6

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.961 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.06 min

Lab File: VL036163.D

Acq: 16 Dec 2020 10:47

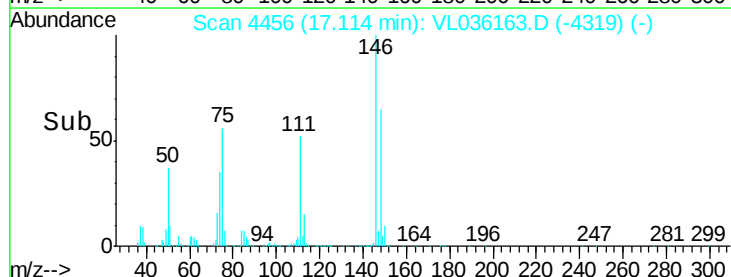
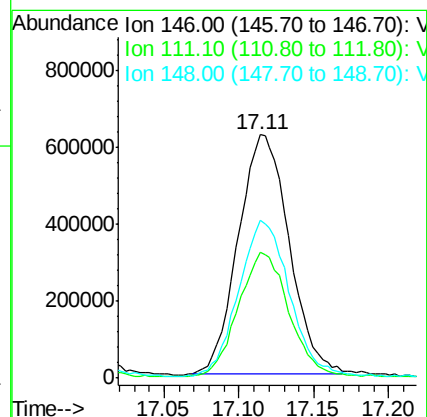
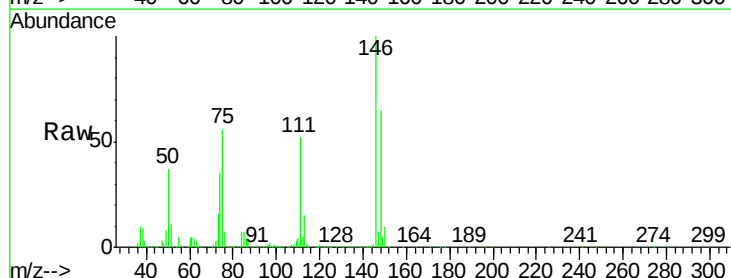
Tgt Ion:146 Resp: 1480985

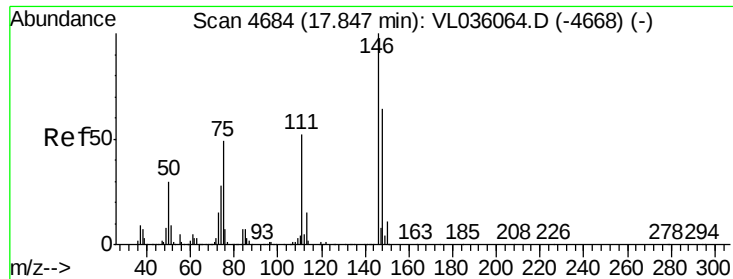
Ion Ratio Lower Upper

146 100

111 53.8 24.3 72.8

148 67.6 32.8 98.3





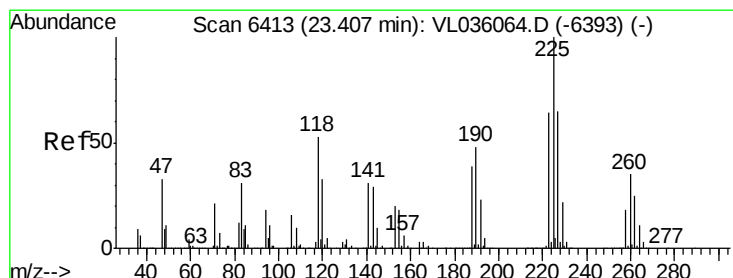
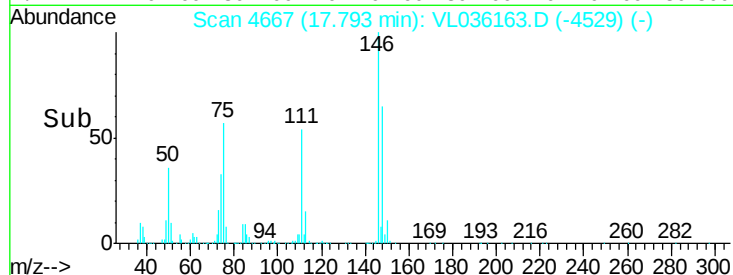
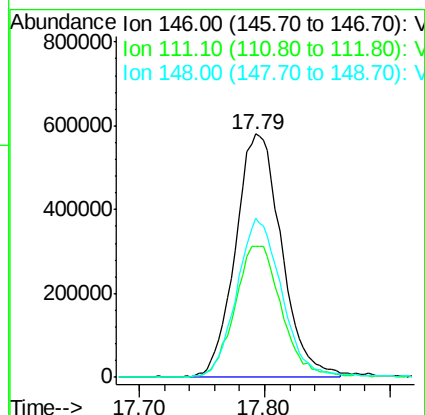
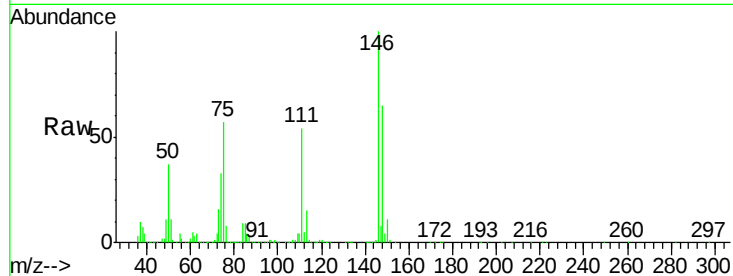
#77
 1,2-Dichlorobenzene
 Concen: 11.572 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 1466269
 Ion Ratio Lower Upper
 146 100
 111 56.2 26.1 78.2
 148 65.0 33.1 99.5

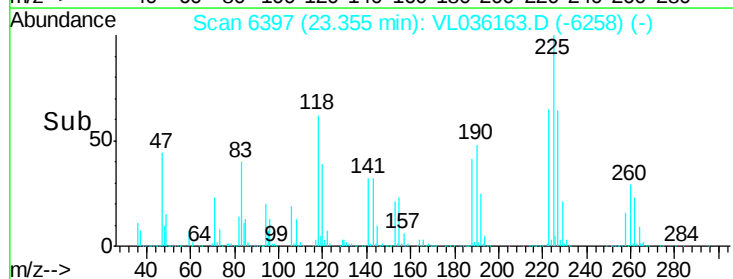
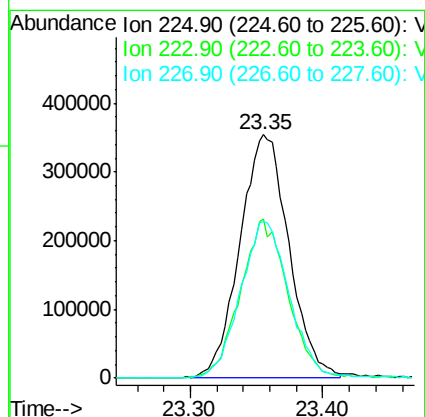
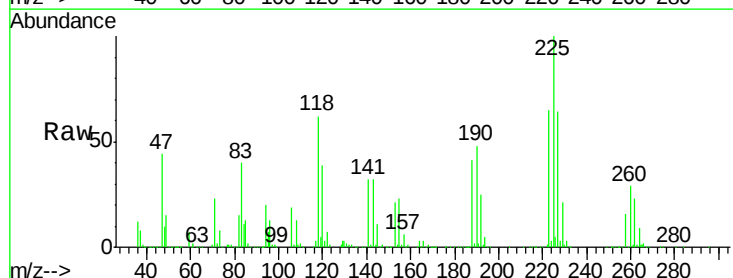
Manual Integrations
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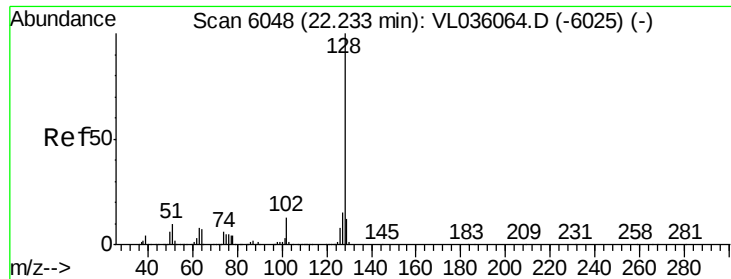
MMDadoda
 12/17/2020 3:55:45 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.916 ppbv
 RT: 23.35 min Scan# 6397
 Delta R.T. -0.05 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Tgt Ion:225 Resp: 905425
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.1 76.7
 227 65.0 51.7 77.5





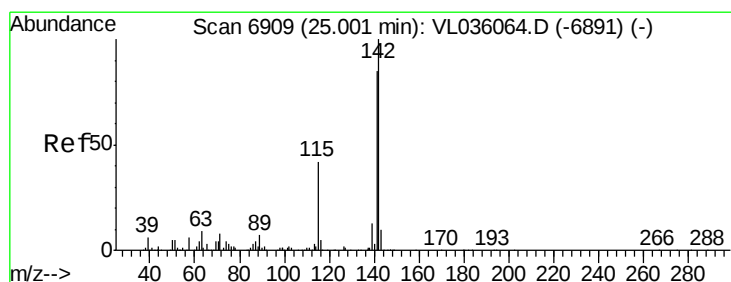
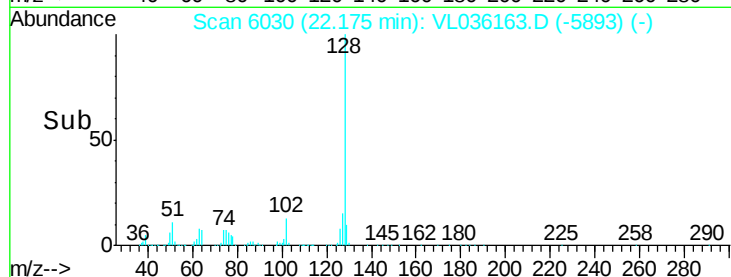
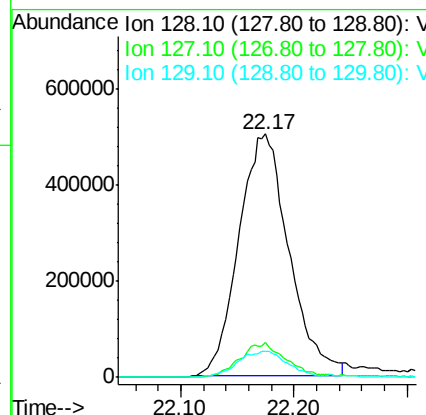
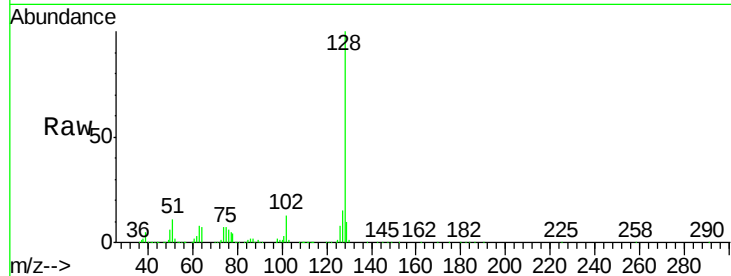
#79
Naphthalene
Concen: 11.477 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.6	11.7	17.5
129	10.5	9.3	13.9

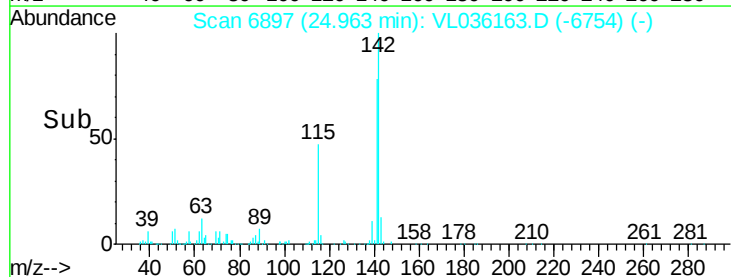
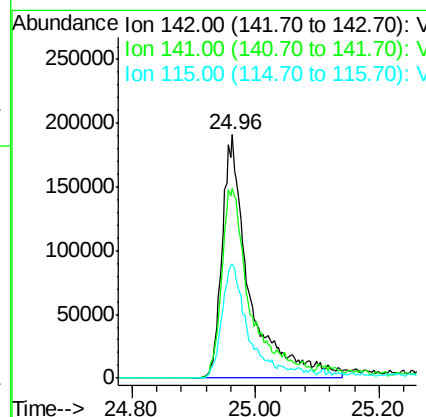
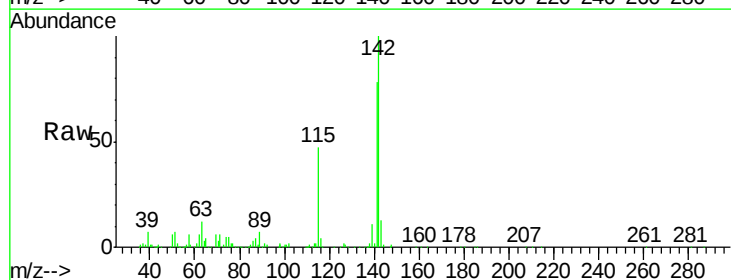
Manual Integrations
APPROVED

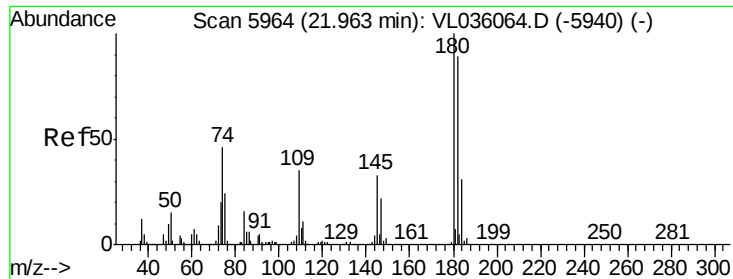
MMDadoda
12/17/2020 3:55:45 PM



#80
Naphthalene, 2-methyl-
Concen: 19.527 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.6	64.3	96.5
115	47.0	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.951 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.06 min
 Lab File: VL036163.D
 Acq: 16 Dec 2020 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.8	0.0	0.0#
184	31.8	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/17/2020 3:55:45 PM

