

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034961.D
 Acq On : 7 May 2020 8:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:32:47 PM

Quant Time: May 07 09:33:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1104340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2655917	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2636183m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1987334	9.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1253931	8.000	ppbv 97
3) Chlorodifluoromethane	2.95	51	1162843	9.223	ppbv 97
4) Chloromethane	3.11	50	671404	9.292	ppbv 94
5) Vinyl Chloride	3.22	62	635363	9.014	ppbv 98
6) Bromomethane	3.45	94	362756	8.619	ppbv 94
7) Chloroethane	3.53	64	229159	9.052	ppbv 93
8) Dichlorotetrafluoroethane	3.15	85	1387259	8.552	ppbv 97
9) Propene	2.97	41	561054	10.255	ppbv 98
10) Heptane	8.14	43	1436077	10.477	ppbv 96
11) Trichlorofluoromethane	3.93	101	1371117	8.484	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	992311	8.623	ppbv 98
13) Ethanol	3.57	45	149457	8.278	ppbv 99
14) Bromoethene	3.71	108	445120	9.360	ppbv 100
15) Acetone	3.83	43	1147381	7.859	ppbv 99
16) 1,3-Butadiene	3.29	39	607955	9.676	ppbv 96
17) tert-Butyl alcohol	4.27	59	1217515	9.373	ppbv 99
18) 1,1-Dichloroethene	4.27	96	454269	9.099	ppbv 96
19) Isopropyl Alcohol	3.94	45	887302	9.113	ppbv 100
20) Methylene Chloride	4.32	84	406991	8.421	ppbv 92
21) Allyl Chloride	4.39	41	802322	9.729	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	458882	9.279	ppbv 98
23) Vinyl Acetate	5.07	43	1893920	10.230	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1276411	8.951	ppbv 99
25) Ethyl Acetate	5.68	43	2369571	9.662	ppbv 100
26) Hexane	5.69	57	1028299	9.672	ppbv 98
27) Carbon Disulfide	4.54	76	1125748	8.984	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1574740	9.725	ppbv 98
29) Chloroform	5.75	83	1511849	8.691	ppbv 98
30) Cyclohexane	7.14	84	861850	10.505	ppbv 96
31) cis-1,2-Dichloroethene	5.55	61	1043586	10.060	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1429272	9.098	ppbv 99
34) 2-Butanone	5.24	43	1624719	9.843	ppbv 98
35) Carbon Tetrachloride	7.03	117	1439328	8.586	ppbv 98
36) Benzene	6.91	78	2078665	9.493	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1160000	8.588	ppbv 98
38) Trichloroethene	7.85	130	768752	9.062	ppbv 96
39) 1,2-Dichloropropane	7.64	63	826691	9.418	ppbv 99
40) 1,4-Dioxane	7.85	88	324360	9.091	ppbv # 1
41) Tetrahydrofuran	6.05	42	941377	10.832	ppbv 96
42) Bromodichloromethane	7.82	83	1559770	8.562	ppbv 97
43) Methyl Methacrylate	8.03	69	939429	10.160	ppbv 98

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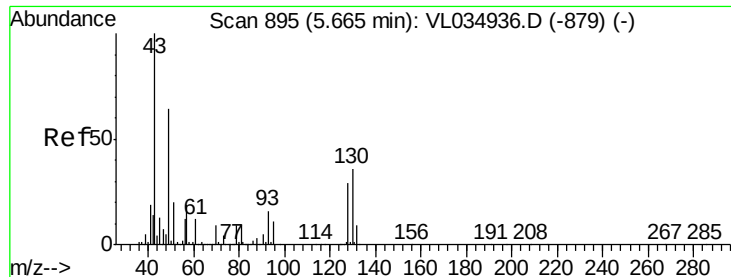
Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:32:47 PM

Quant Time: May 07 09:33:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3580916	9.198	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	995204	10.666	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1203497	10.505	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	834842	9.012	ppbv	98
48) Dibromochloromethane	10.34	129	1290124	9.057	ppbv	99
49) Bromoform	13.09	173	1089476	8.889	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2324188	9.874	ppbv	98
51) 2-Hexanone	10.16	43	1887987	10.255	ppbv #	98
52) Tetrachloroethene	11.26	164	735262	9.443	ppbv	99
53) Toluene	9.83	91	2391311	10.302	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1231399	9.053	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	985575	8.290	ppbv	98
57) Chlorobenzene	12.19	112	1739189	8.328	ppbv	98
58) Ethyl Benzene	12.75	91	3097537	9.502	ppbv	98
59) m/p-Xylene	13.03	91	5036671m	17.561	ppbv	
60) o-Xylene	13.73	91	2456172	8.678	ppbv	99
61) Styrene	13.57	104	1818756	10.155	ppbv	98
62) Isopropylbenzene	14.71	105	3656782	8.654	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1680158	7.542	ppbv	99
64) n-propylbenzene	15.61	120	974768	8.994	ppbv	97
65) tert-Butylbenzene	16.79	119	3162237	8.629	ppbv	98
66) Benzyl Chloride	17.04	91	1145342	9.206	ppbv	99
67) sec-Butylbenzene	17.35	105	4566884	8.729	ppbv	100
69) p-Isopropyltoluene	17.70	119	3834576	9.060	ppbv	99
70) n-Butylbenzene	18.60	91	4043343	8.976	ppbv	100
71) 2-Chlorotoluene	15.50	91	2851791	8.941	ppbv	99
72) 4-Ethyltoluene	15.89	105	2924822	9.263	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2763591	8.994	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2823413	8.418	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1651666	8.386	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1685813	9.008	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1656697	8.928	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1505509	9.517	ppbv	99
79) Naphthalene	22.27	128	3418397	13.087	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1027630	16.005	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1771421	11.184	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1104340

Ion Ratio Lower Upper

49 100

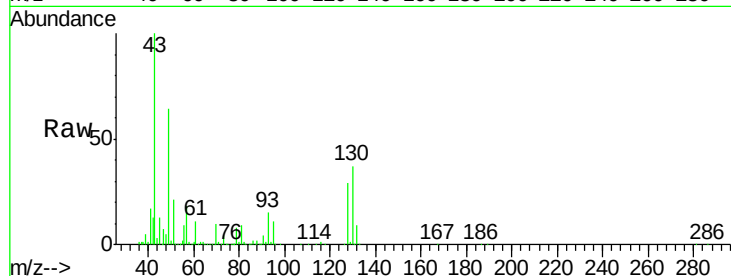
128 44.6 22.1 66.5

130 57.2 29.1 87.3

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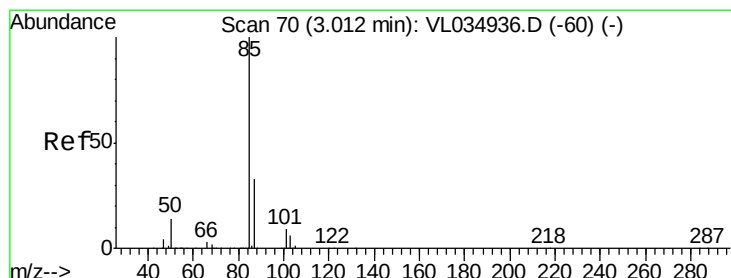
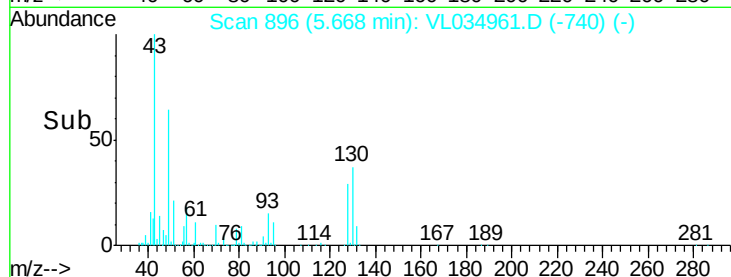
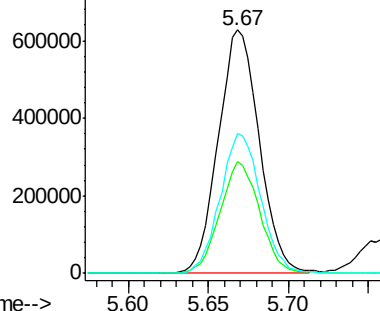
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.000 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034961.D

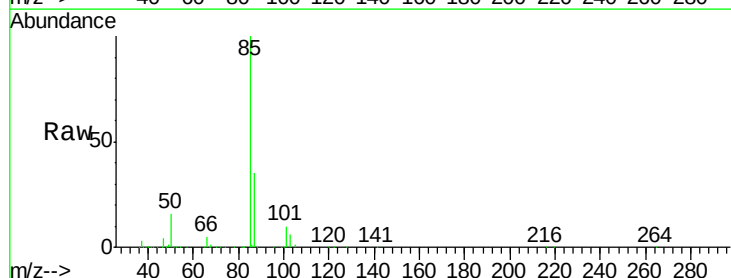
Acq: 7 May 2020 8:42

Tgt Ion: 85 Resp: 1253931

Ion Ratio Lower Upper

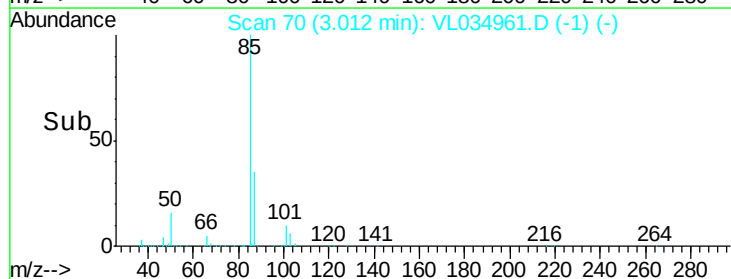
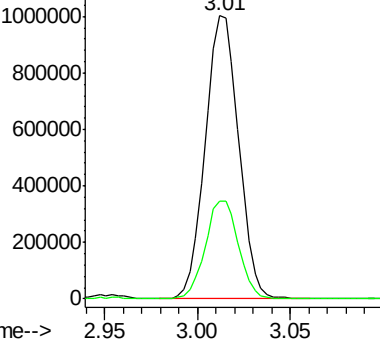
85 100

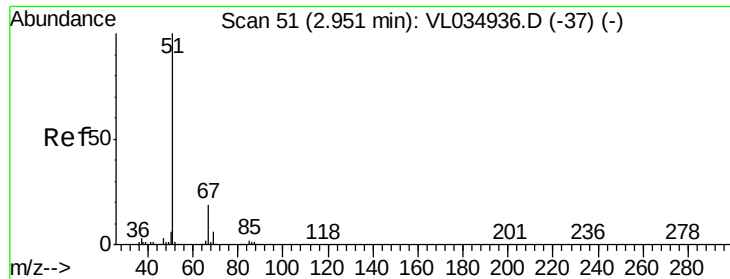
87 34.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.223 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tot Ion: 51 Resp: 1162843

Ion Ratio Lower Upper

51 100

67 17.2 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

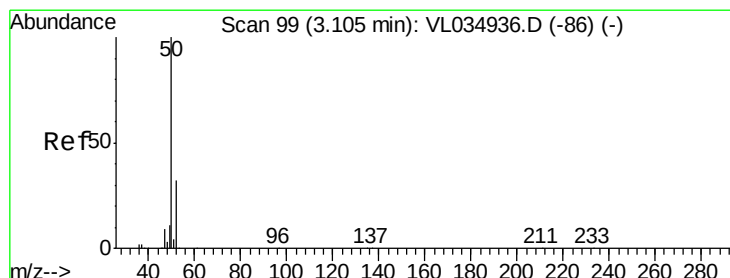
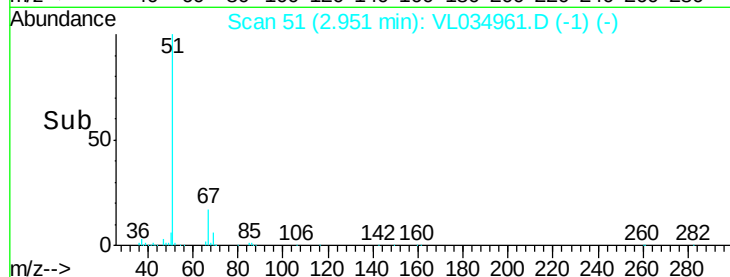
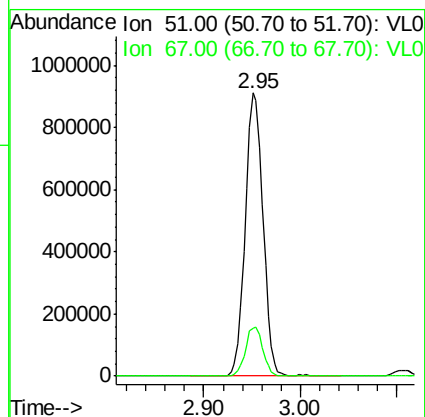
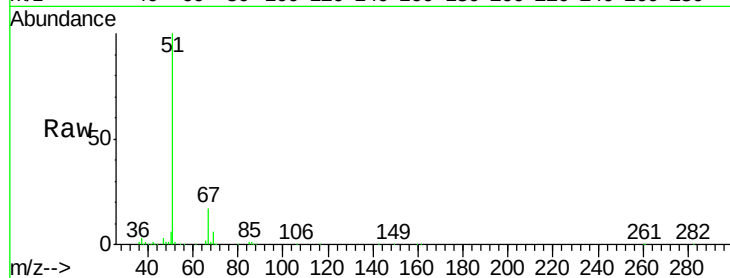
VSTDCCC010EC

Manual Integrations

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#4

Chloromethane

Concen: 9.292 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034961.D

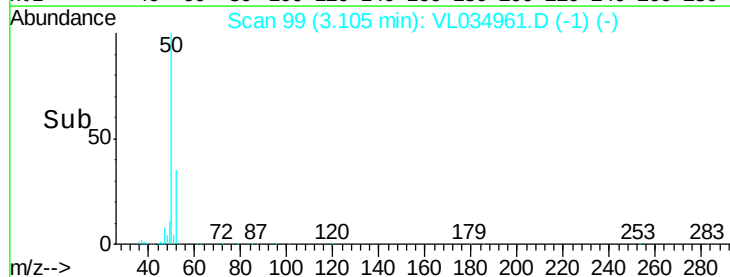
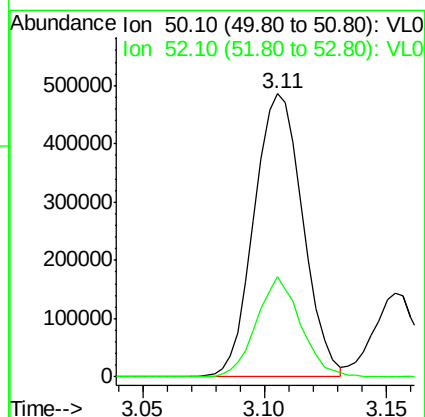
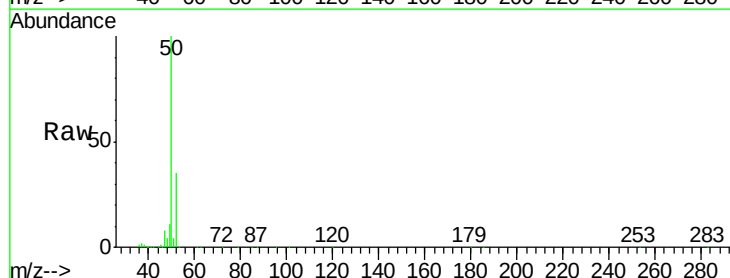
Acq: 7 May 2020 8:42

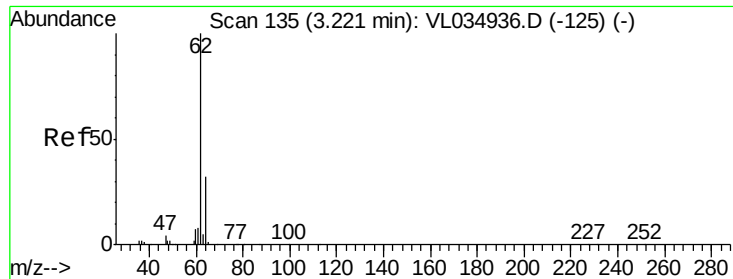
Tgt Ion: 50 Resp: 671404

Ion Ratio Lower Upper

50 100

52 35.4 25.4 38.2





#5

Vinyl Chloride

Concen: 9.014 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 635363

Ion Ratio Lower Upper

62 100

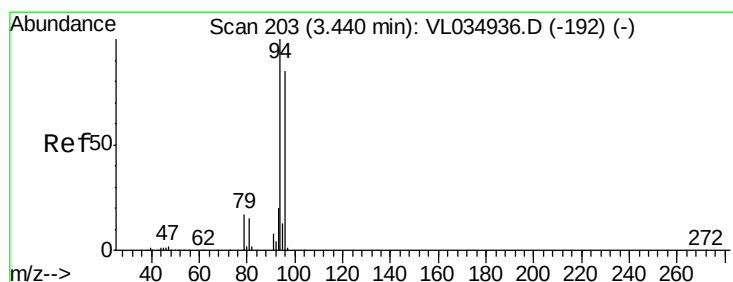
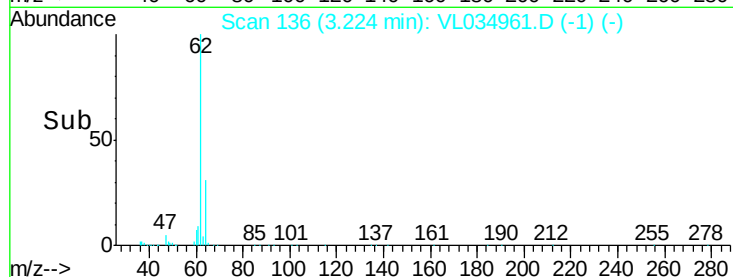
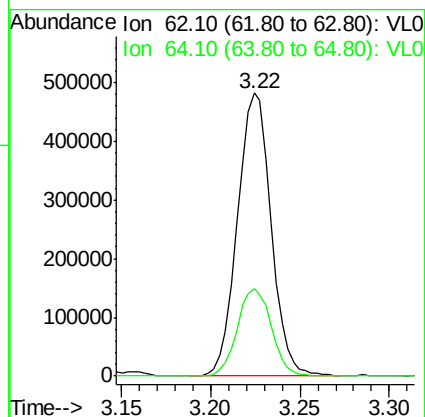
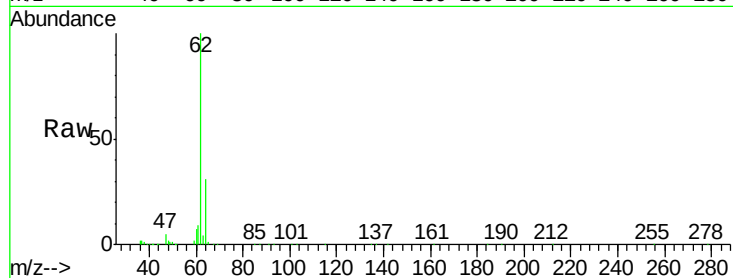
64 30.9 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 8.619 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034961.D

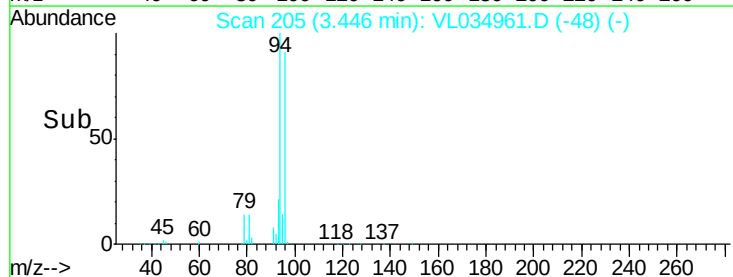
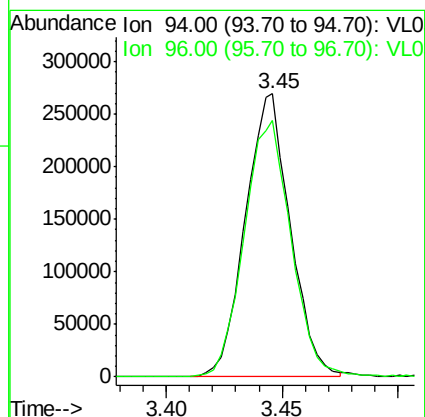
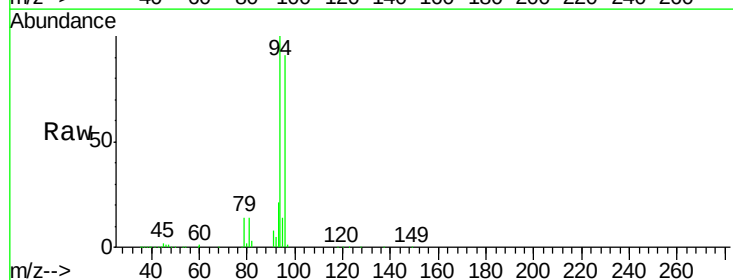
Acq: 7 May 2020 8:42

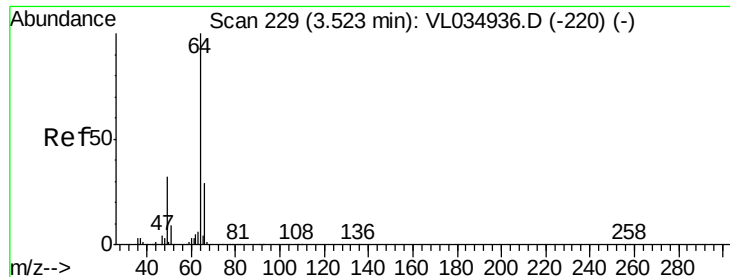
Tgt Ion: 94 Resp: 362756

Ion Ratio Lower Upper

94 100

96 90.5 67.9 101.9





#7

Chloroethane

Concen: 9.052 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 229159

Ion Ratio Lower Upper

64 100

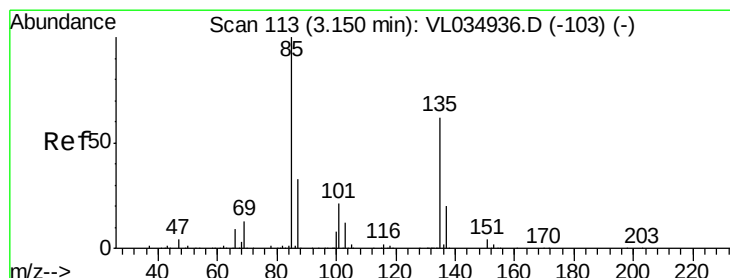
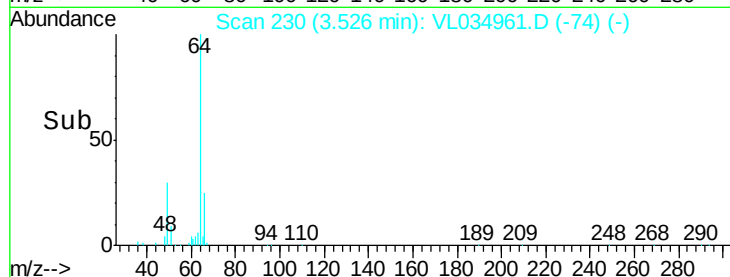
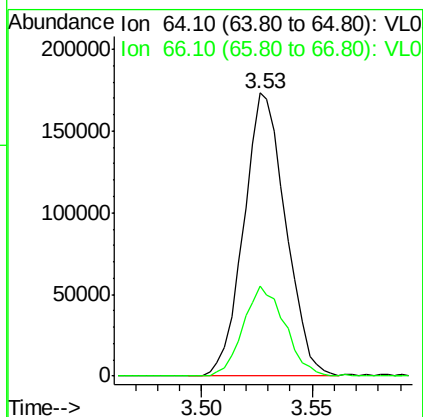
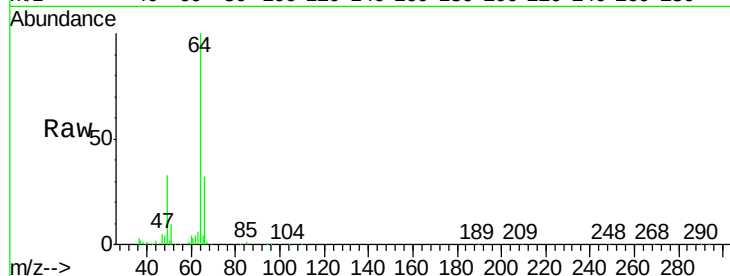
66 32.8 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.552 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034961.D

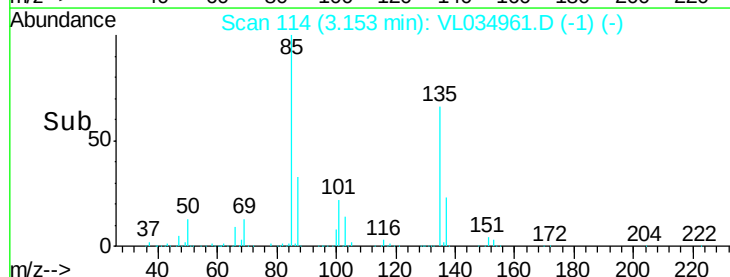
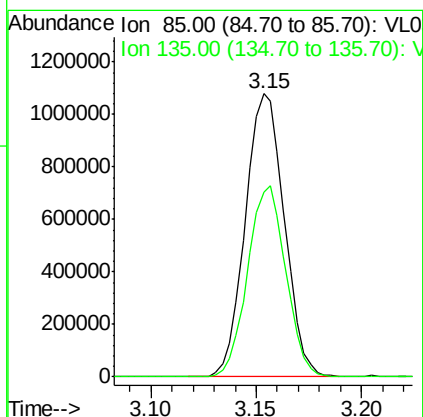
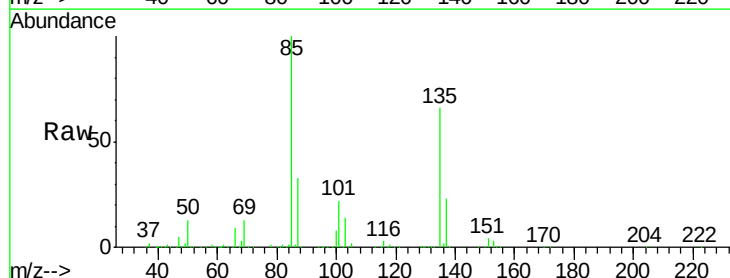
Acq: 7 May 2020 8:42

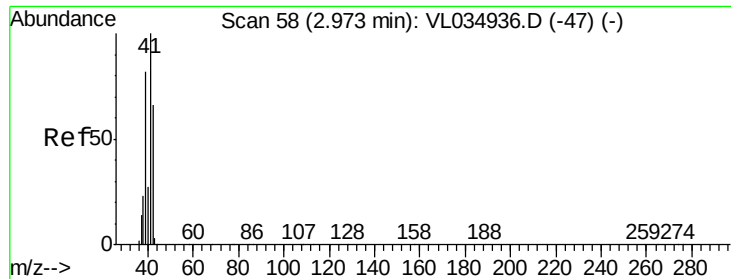
Tgt Ion: 85 Resp: 1387259

Ion Ratio Lower Upper

85 100

135 66.3 50.9 76.3





#9

Propene

Concen: 10.255 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 561054

Ion Ratio Lower Upper

41 100

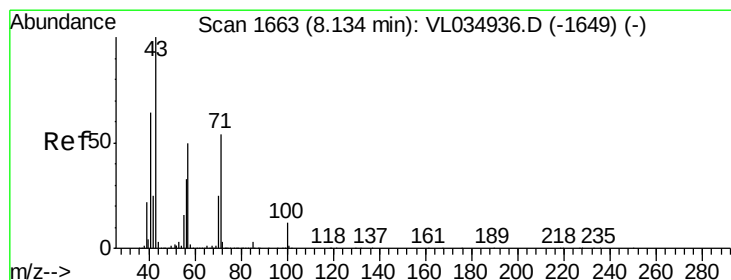
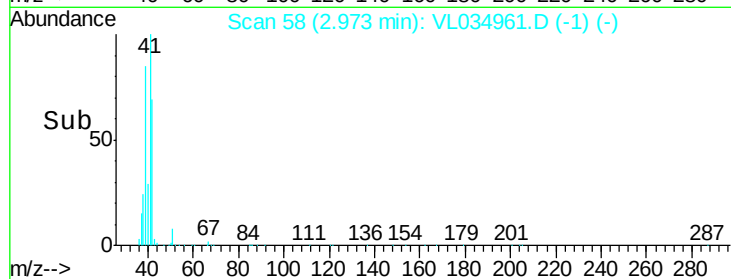
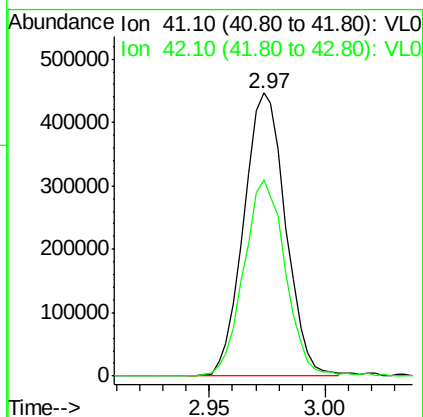
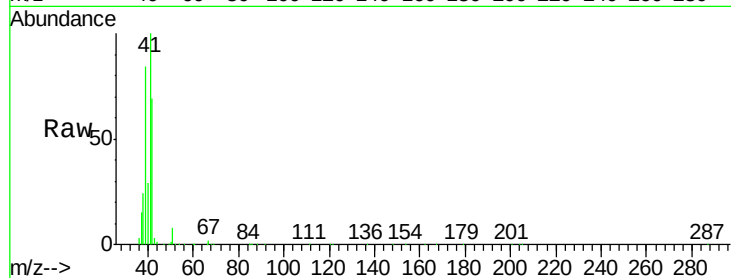
42 69.4 54.5 81.7

Manual Integrations

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#10

Heptane

Concen: 10.477 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL034961.D

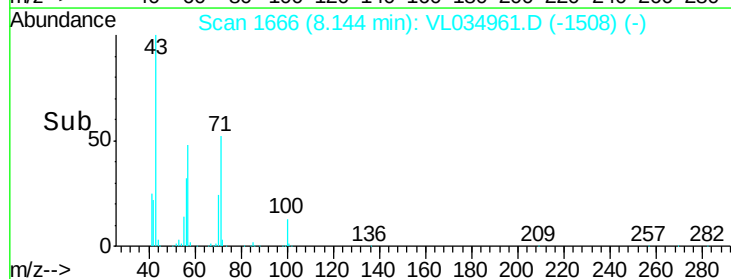
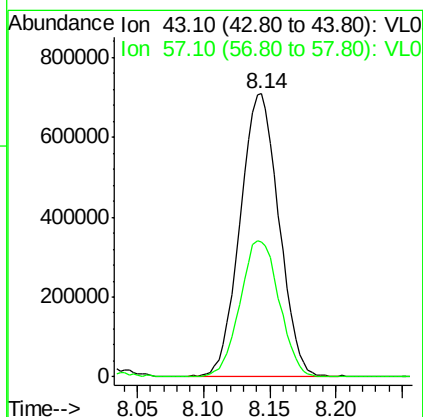
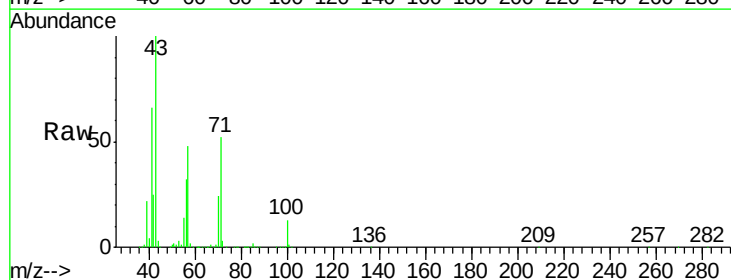
Acq: 7 May 2020 8:42

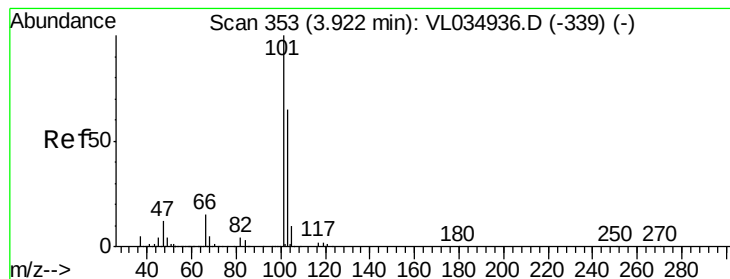
Tgt Ion: 43 Resp: 1436077

Ion Ratio Lower Upper

43 100

57 48.7 41.1 61.7





#11

Trichlorofluoromethane

Concen: 8.484 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 1371117

Ion Ratio Lower Upper

101 100

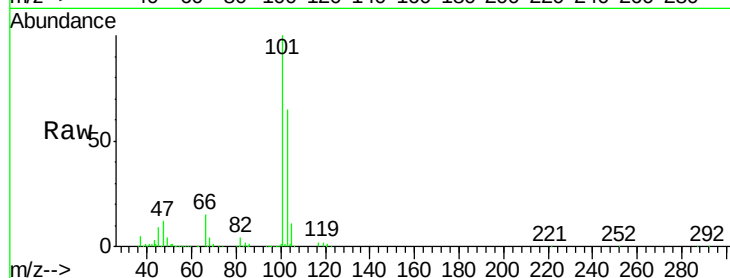
103 64.9 51.9 77.9

Manual Integrations

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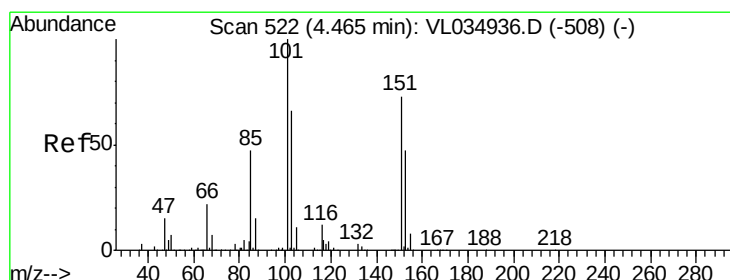
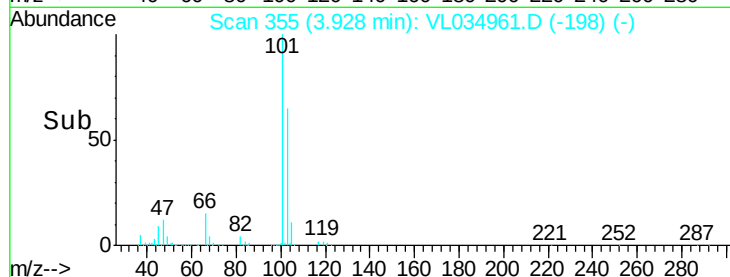
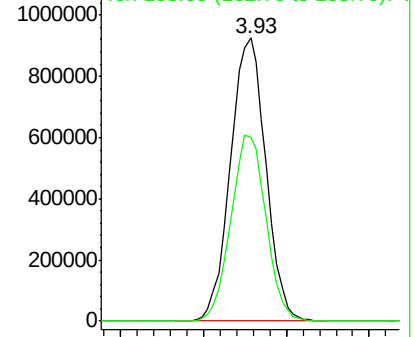
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.623 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034961.D

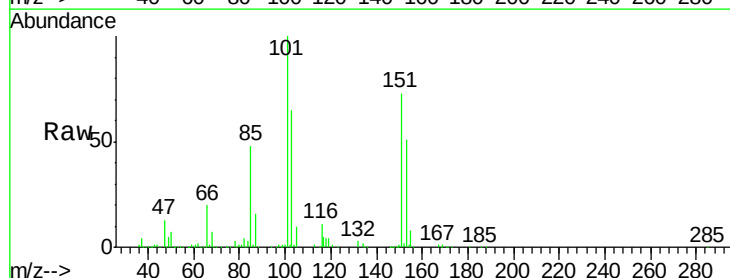
Acq: 7 May 2020 8:42

Tgt Ion:101 Resp: 992311

Ion Ratio Lower Upper

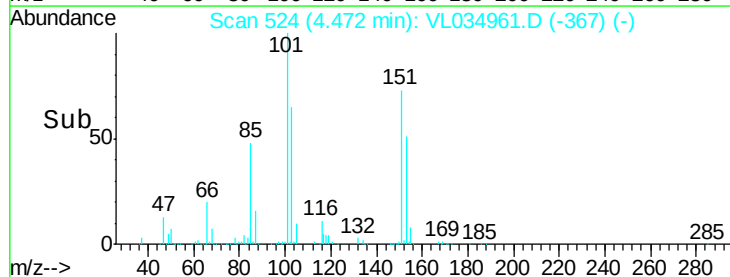
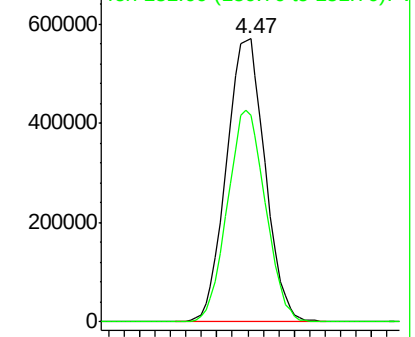
101 100

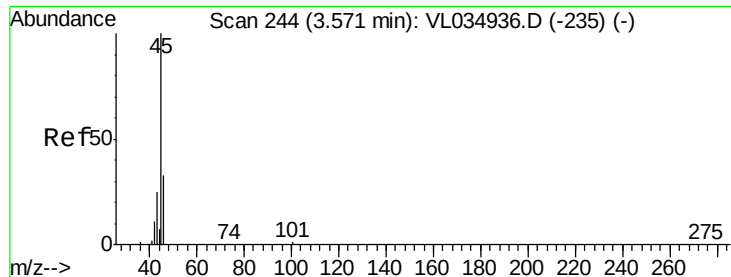
151 73.8 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





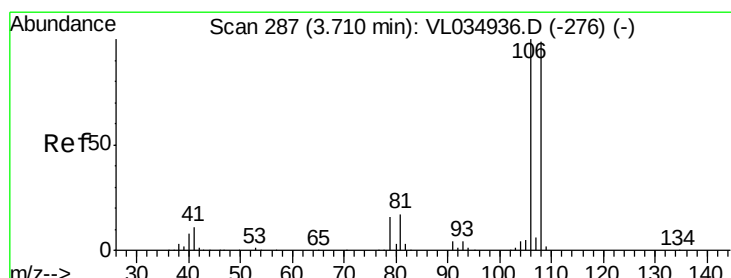
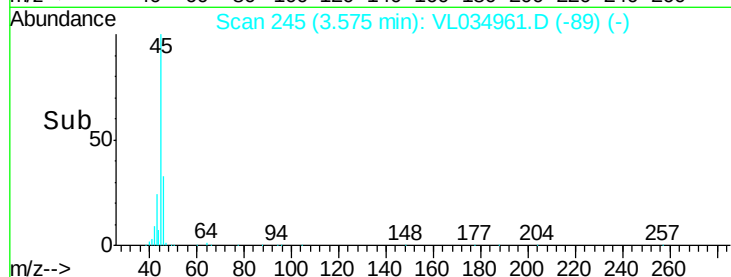
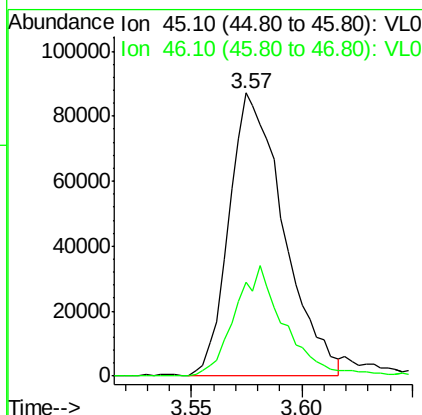
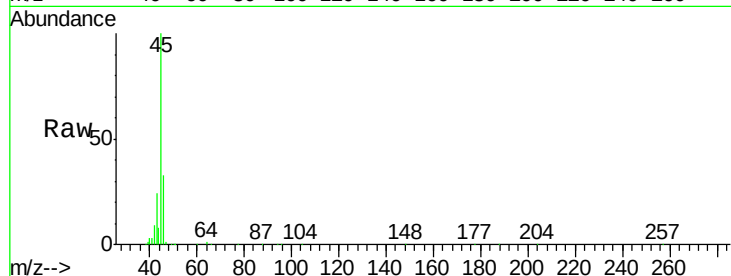
#13
Ethanol
Concen: 8.278 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.3	57.3

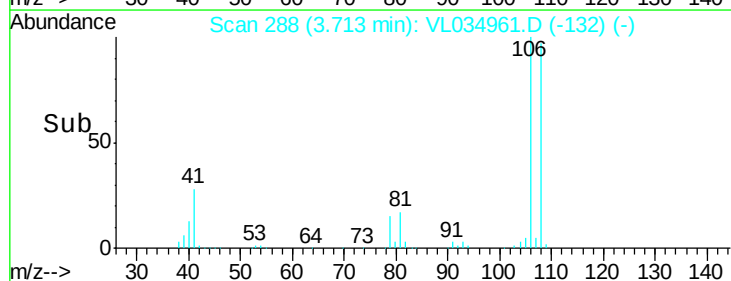
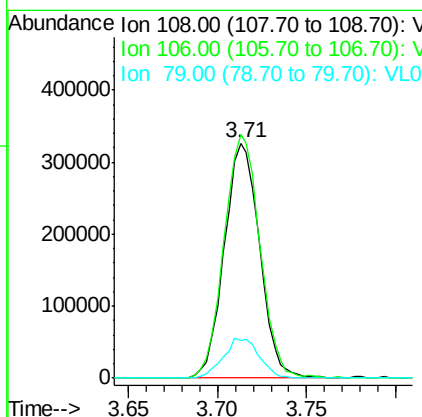
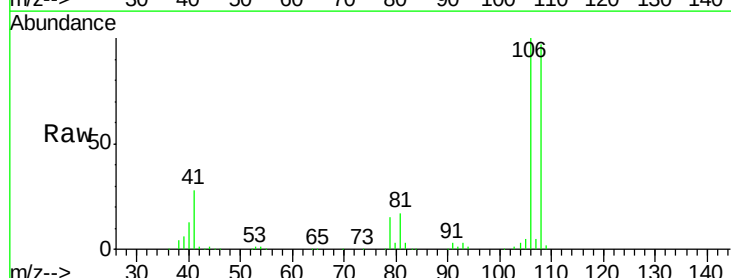
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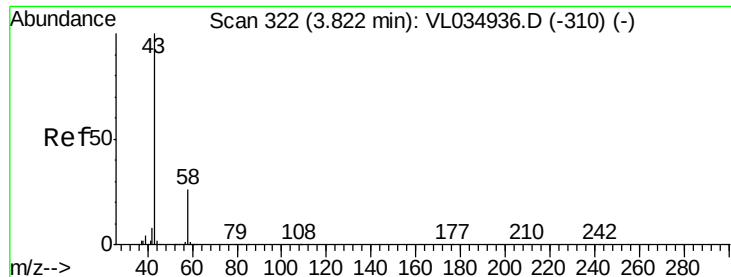
MMDadoda
5/7/2020 2:32:47 PM



#14
Bromoethene
Concen: 9.360 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.3	84.9	127.3
79	17.5	14.1	21.1





#15

Acetone

Concen: 7.859 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tot Ion: 43 Resp: 1147381

Ion Ratio Lower Upper

43 100

58 26.4 21.7 32.5

Instrument :

MSVOA_L

ClientSampleId :

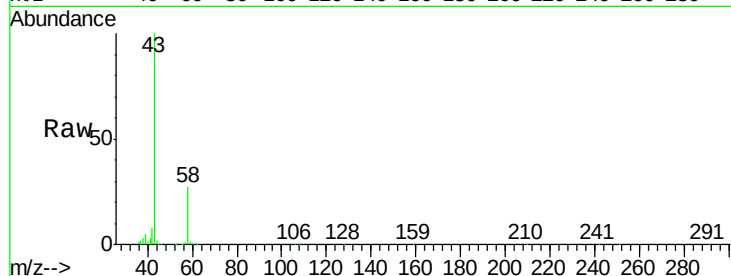
VSTDCCC010EC

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

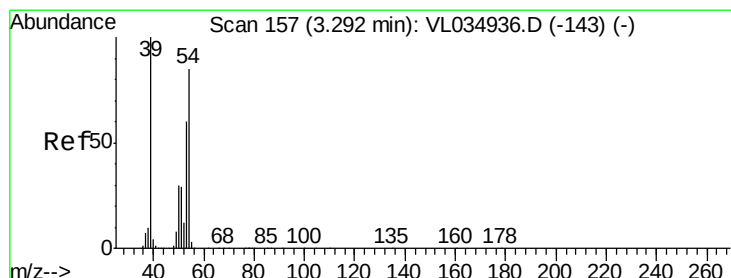
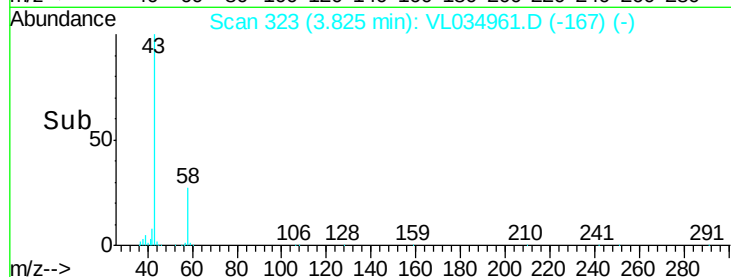
400000

200000

0

3.75 3.80 3.85 3.90

Time-->



#16

1,3-Butadiene

Concen: 9.676 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034961.D

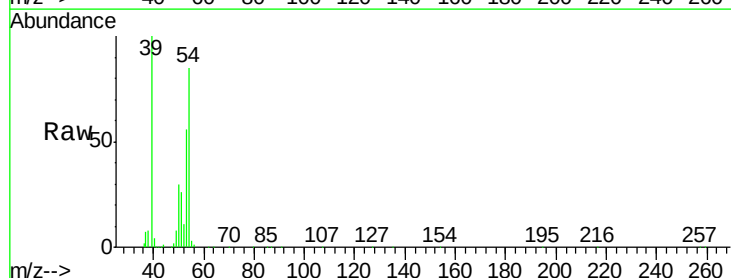
Acq: 7 May 2020 8:42

Tgt Ion: 39 Resp: 607955

Ion Ratio Lower Upper

39 100

54 80.0 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

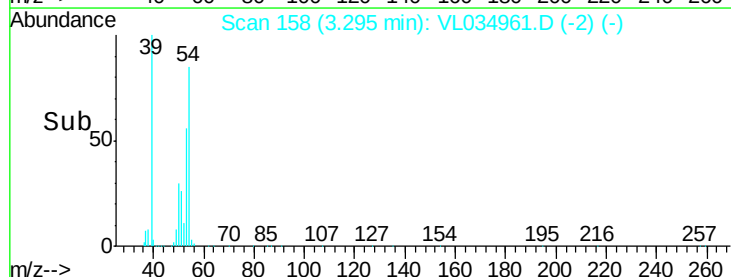
200000

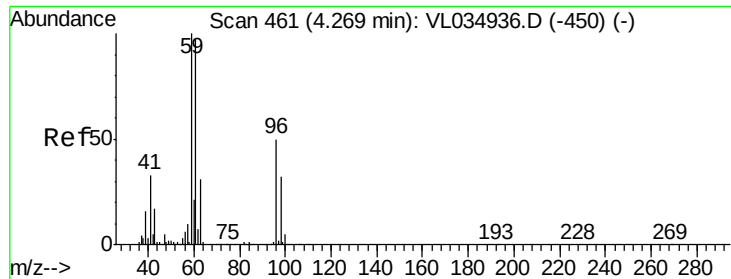
100000

0

3.25 3.30 3.35

Time-->





#17

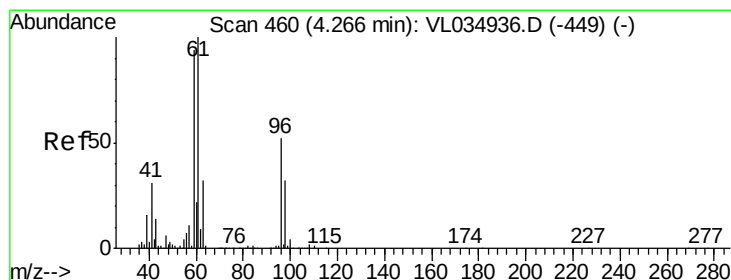
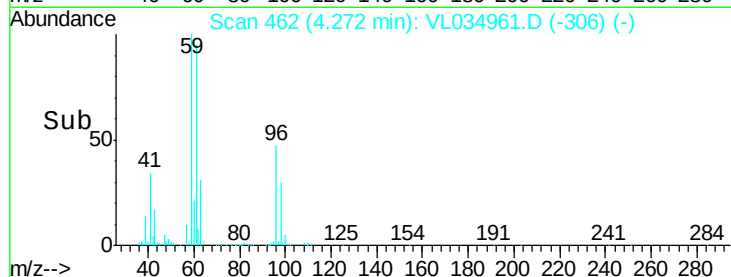
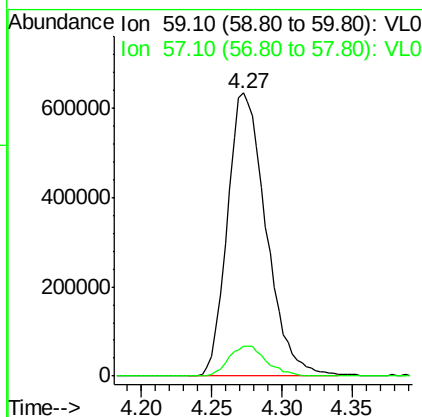
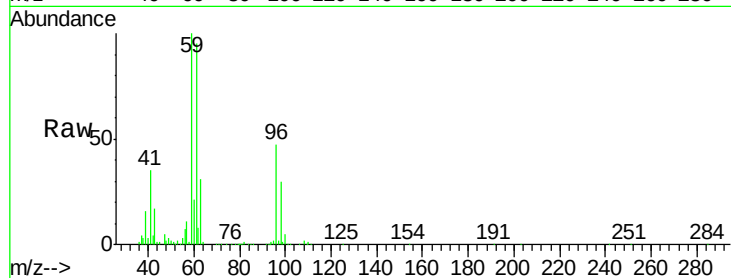
tert-Butyl alcohol
Concen: 9.373 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1217515
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

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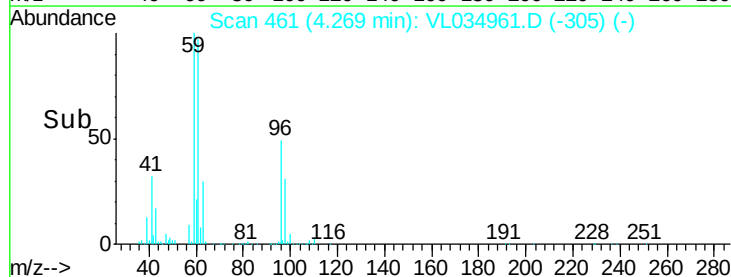
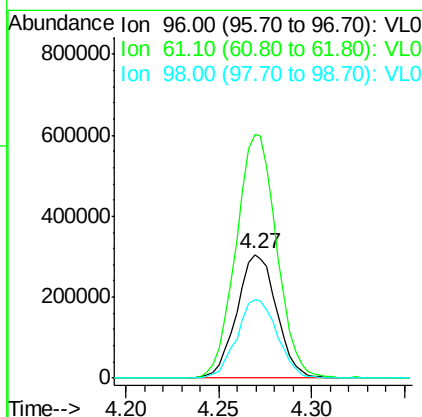
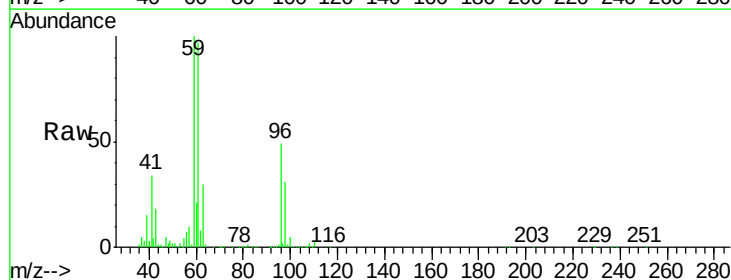
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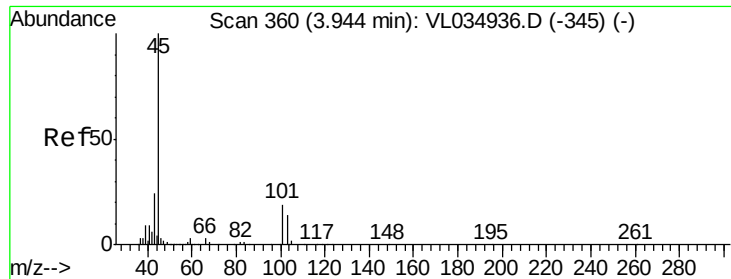


#18

1,1-Dichloroethene
Concen: 9.099 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 96 Resp: 454269
Ion Ratio Lower Upper
96 100
61 197.5 152.4 228.6
98 63.4 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.113 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 887302

Ion Ratio Lower Upper

45 100

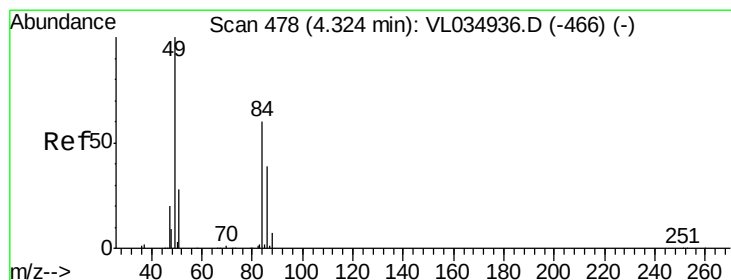
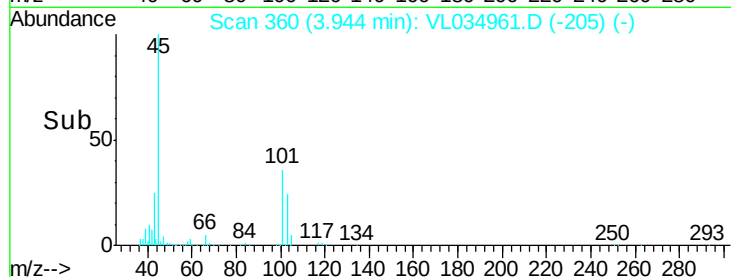
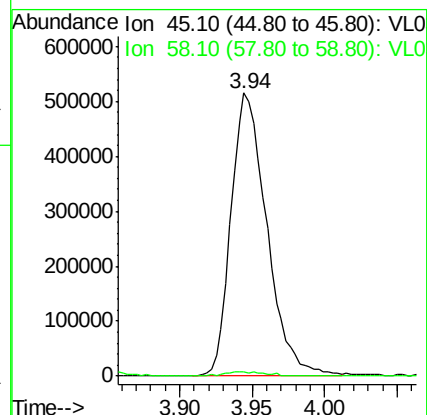
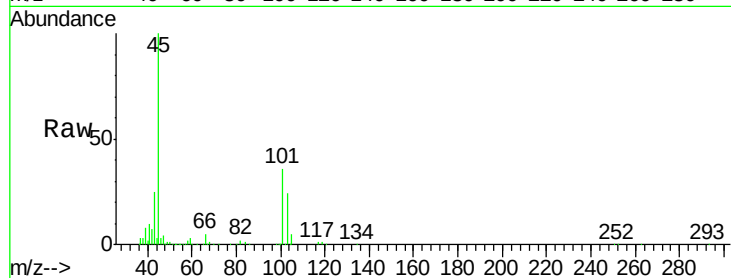
58 2.0 1.7 2.5

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#20

Methylene Chloride

Concen: 8.421 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion: 84 Resp: 406991

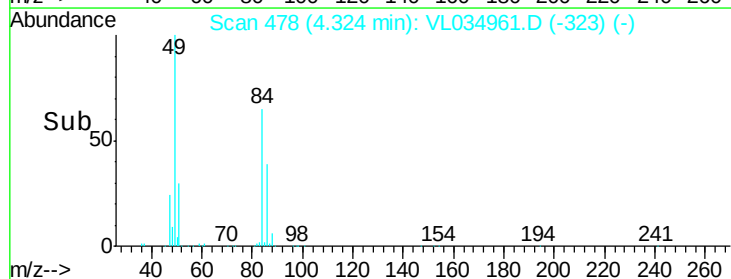
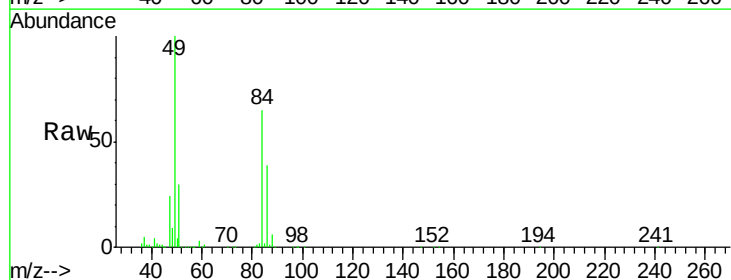
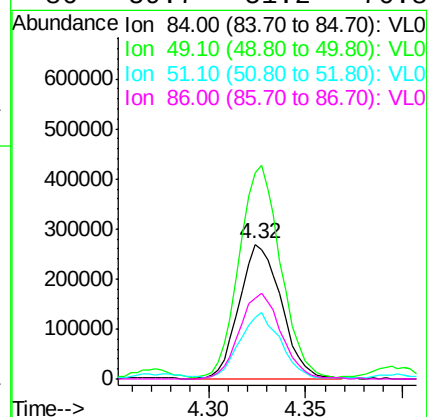
Ion Ratio Lower Upper

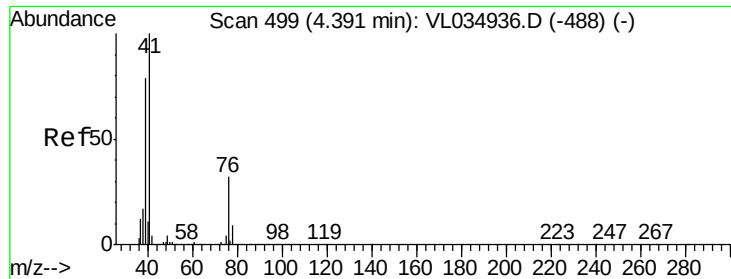
84 100

49 152.0 132.5 198.7

51 45.6 38.4 57.6

86 59.7 51.2 76.8





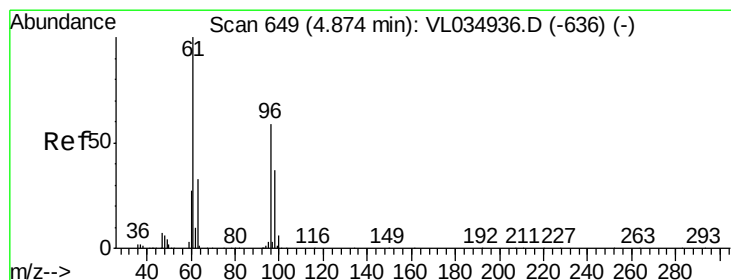
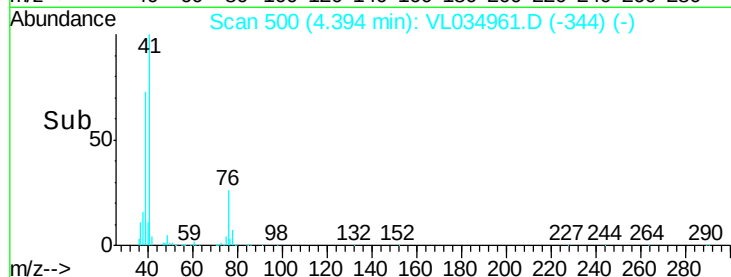
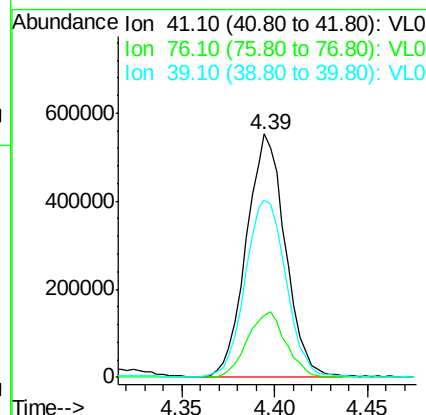
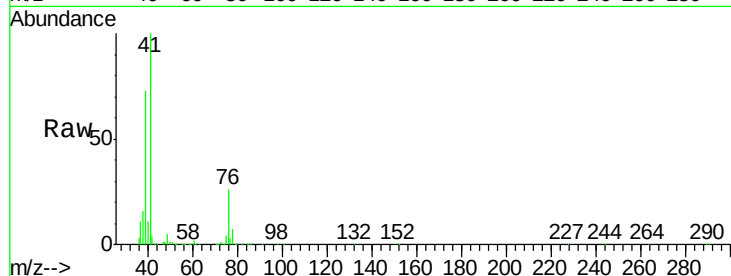
#21
Allvl Chloride
Concen: 9.729 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.9	23.6	35.4
39	76.7	61.9	92.9

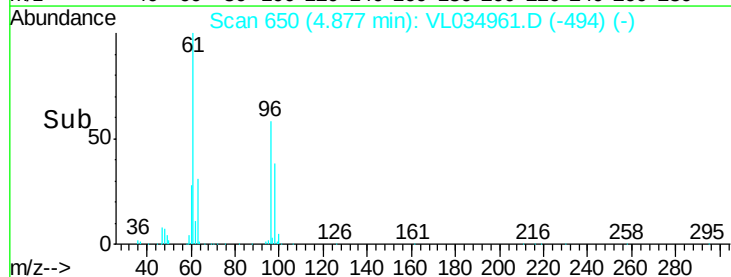
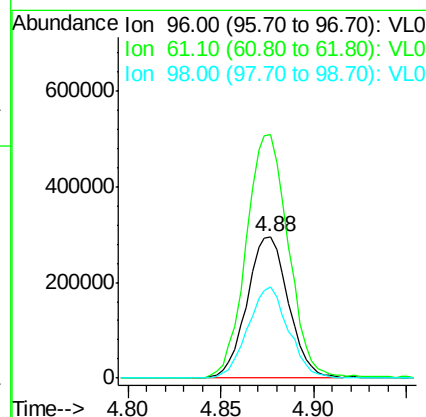
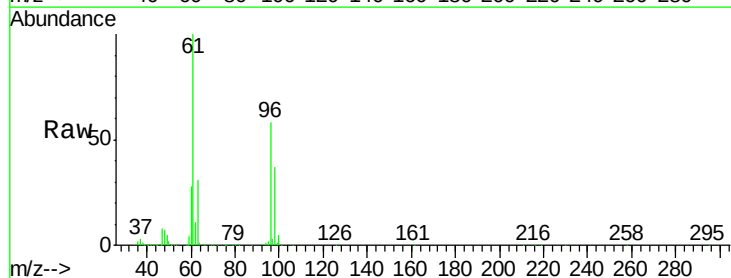
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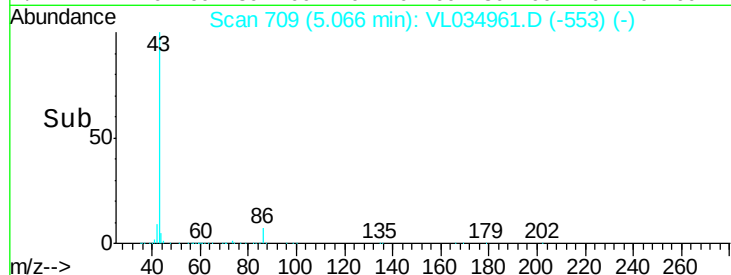
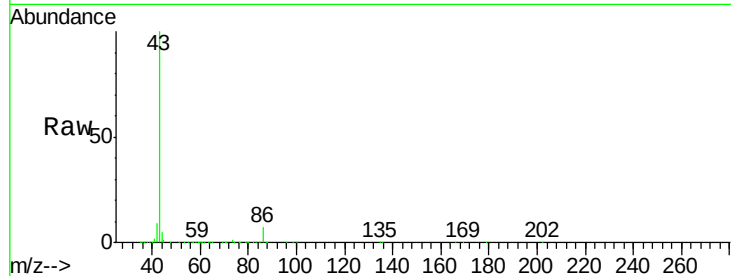
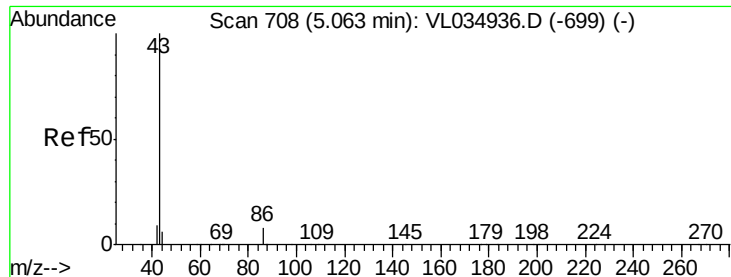
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#22
trans-1,2-Dichloroethene
Concen: 9.279 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	135.3	202.9
98	64.4	50.4	75.6





#23

Vinyl Acetate

Concen: 10.230 ppbv

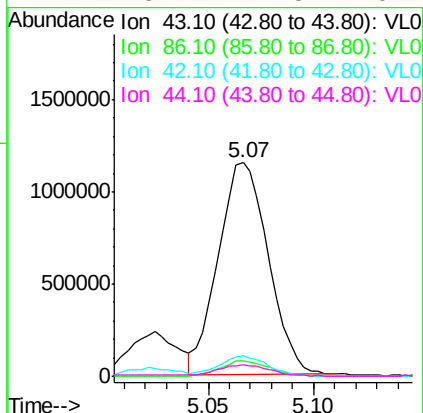
RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	6.9	5.5	8.3	
42	9.3	8.0	12.0	
44	5.1	4.5	6.7	



Instrument :

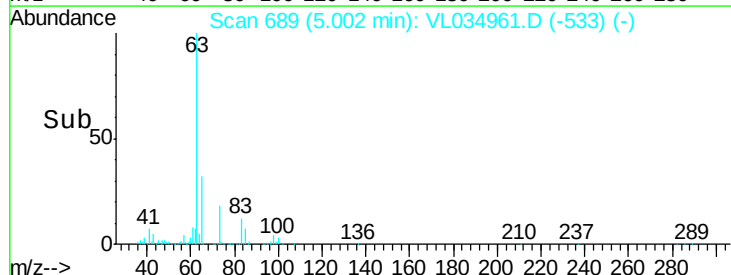
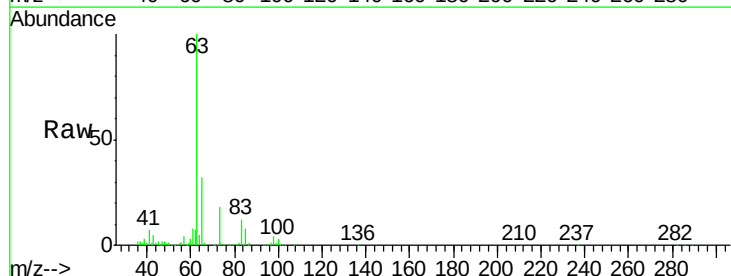
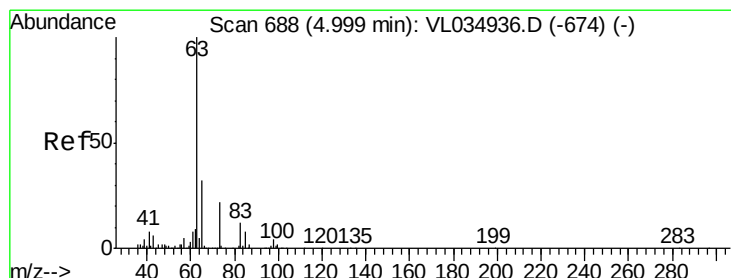
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 8.951 ppbv

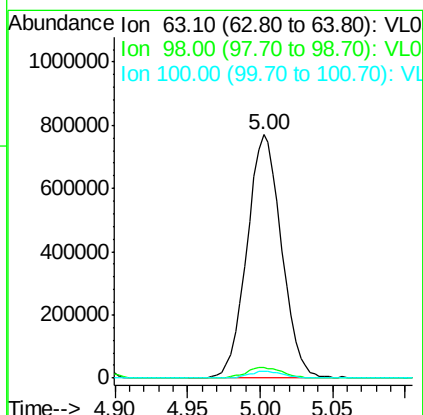
RT: 5.00 min Scan# 689

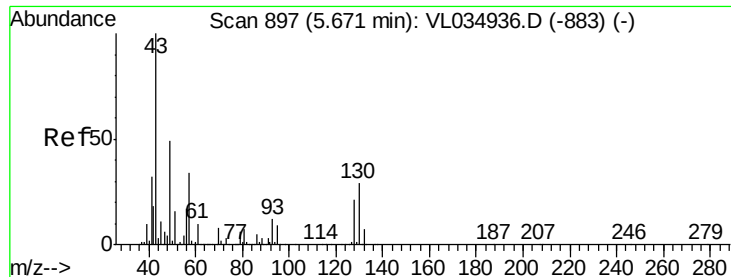
Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.2	2.0	6.0	
100	2.9	1.1	3.5	





#25

Ethyl Acetate

Concen: 9.662 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tot Ion: 43 Resp: 2369571

Ion Ratio Lower Upper

43 100

45 10.0 8.1 12.1

61 9.5 7.8 11.8

70 7.5 6.0 9.0

Instrument :

MSVOA_L

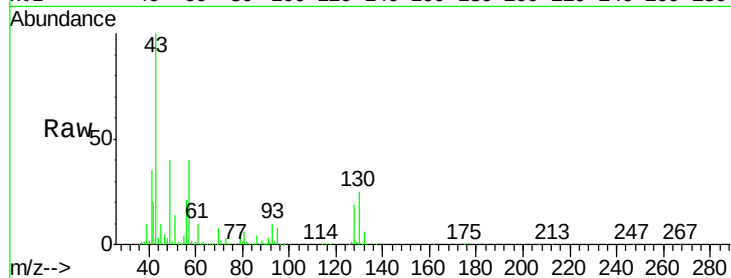
ClientSampleId :

VSTDCCC010EC

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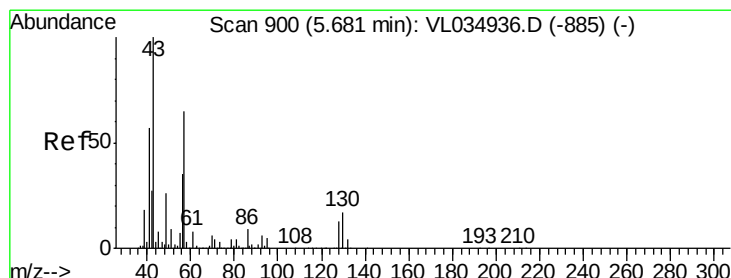
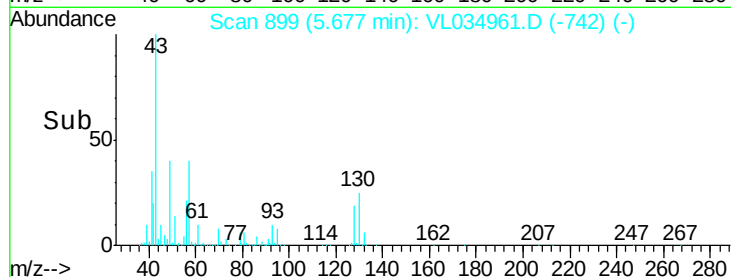
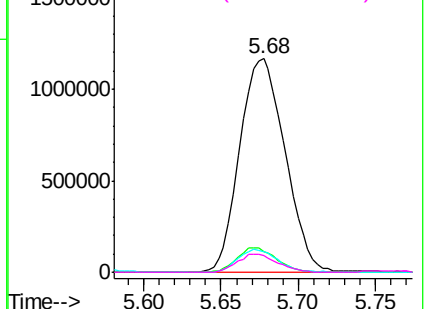


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.672 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion: 57 Resp: 1028299

Ion Ratio Lower Upper

57 100

41 90.6 72.7 109.1

43 231.6 182.1 273.1

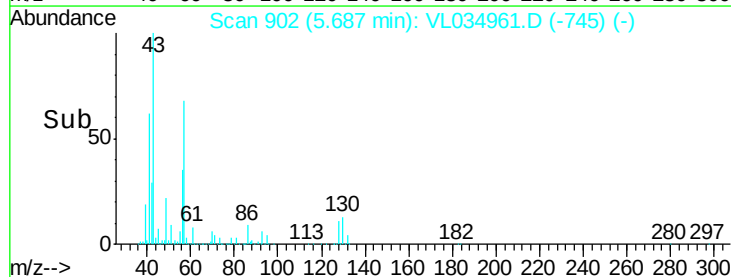
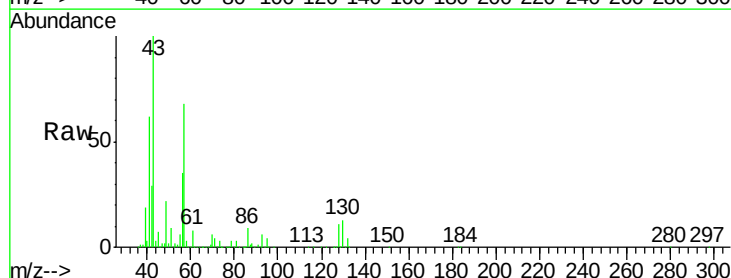
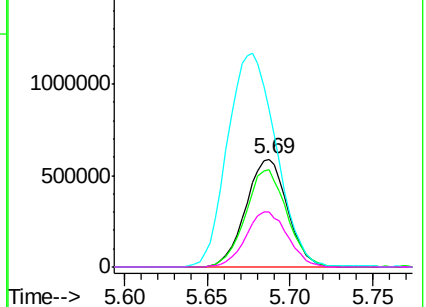
56 51.9 42.2 63.2

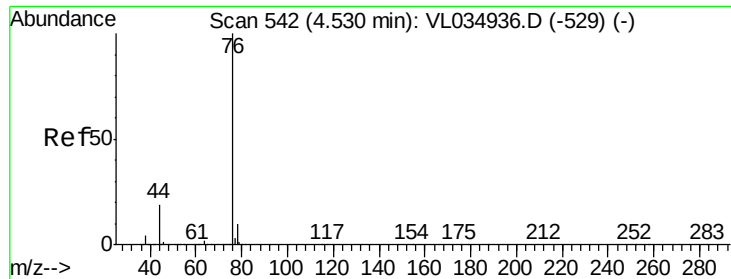
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.984 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1125748

Ion Ratio Lower Upper

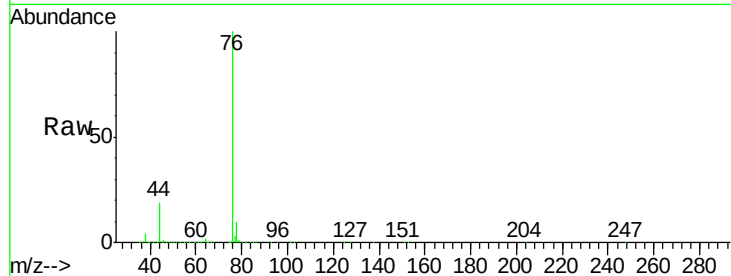
76 100

44 18.8 15.2 22.8

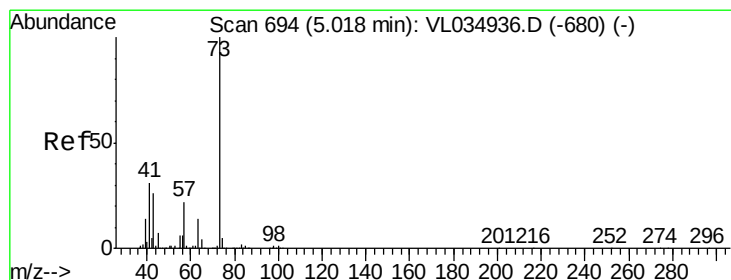
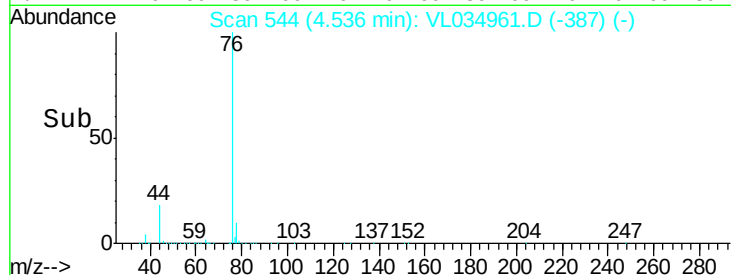
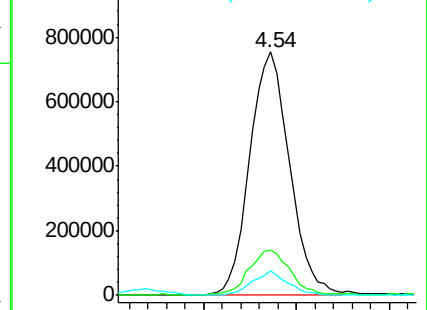
78 9.3 7.7 11.5

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.725 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034961.D

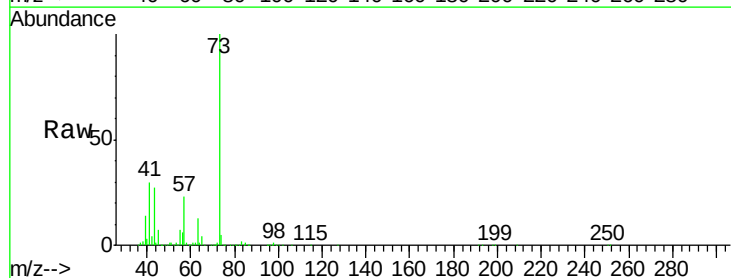
Acq: 7 May 2020 8:42

Tgt Ion: 73 Resp: 1574740

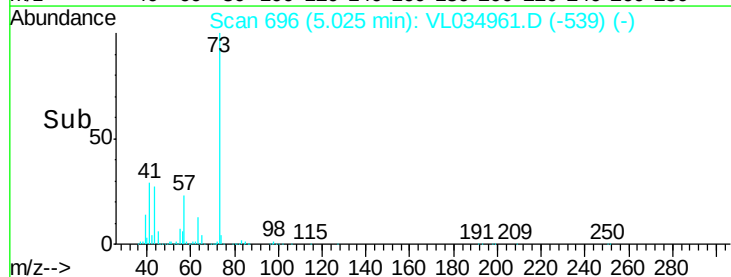
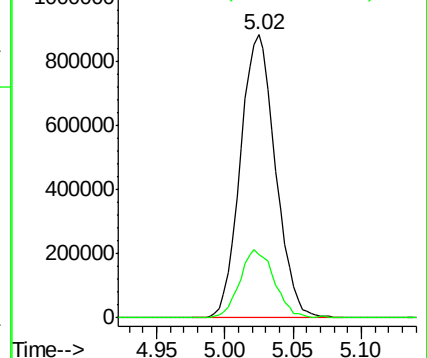
Ion Ratio Lower Upper

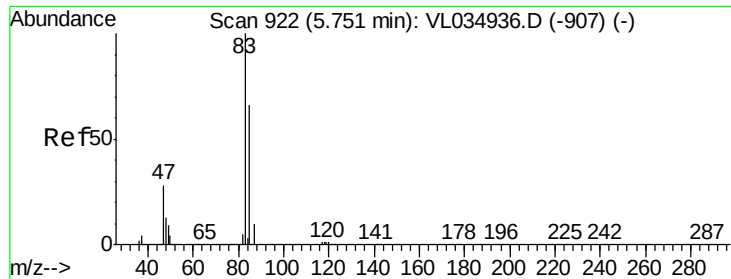
73 100

57 24.0 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





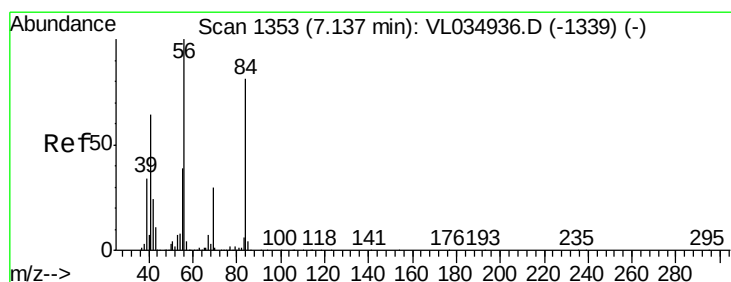
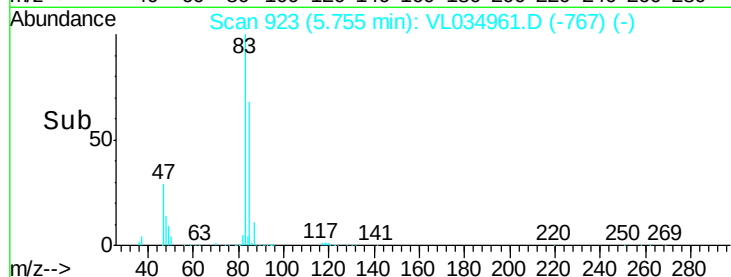
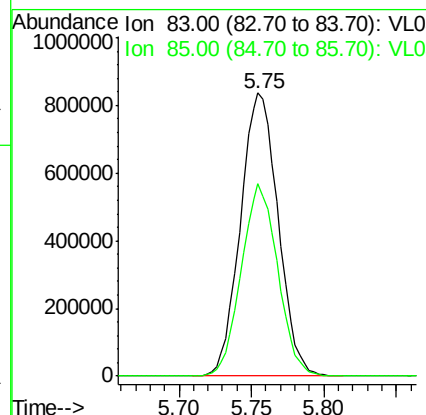
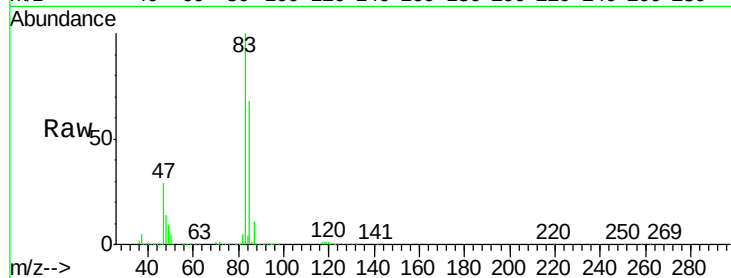
#29
Chloroform
Concen: 8.691 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1511849
Ion Ratio Lower Upper
83 100
85 67.8 53.0 79.6

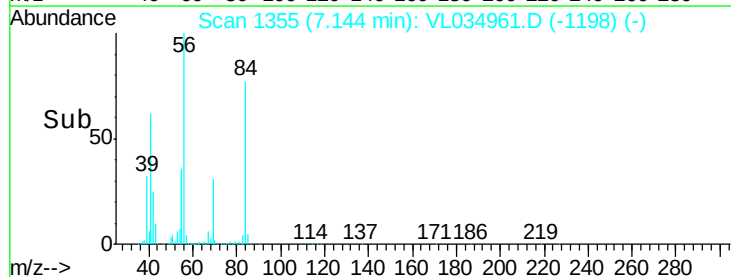
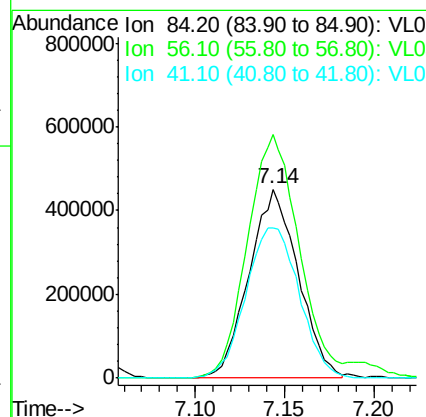
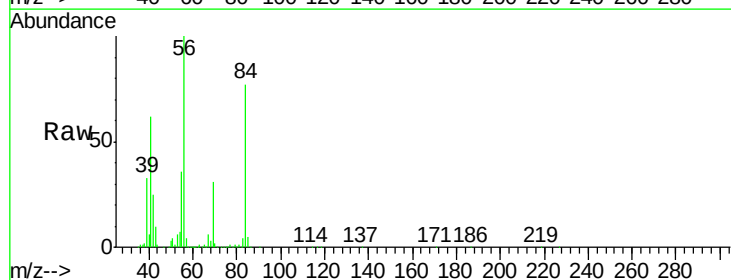
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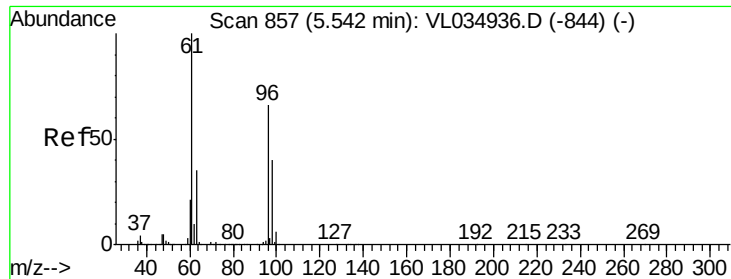
MMDadoda
5/7/2020 2:32:47 PM



#30
Cyclohexane
Concen: 10.505 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 84 Resp: 861850
Ion Ratio Lower Upper
84 100
56 142.8 111.4 167.2
41 87.7 66.7 100.1





#31

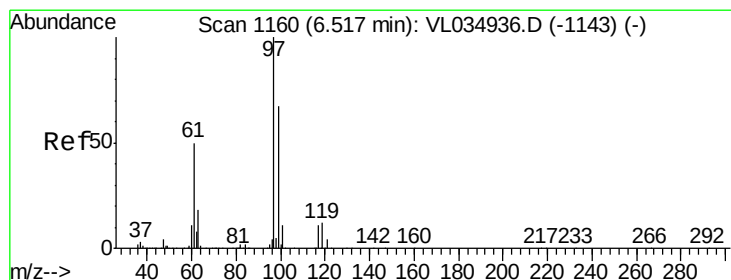
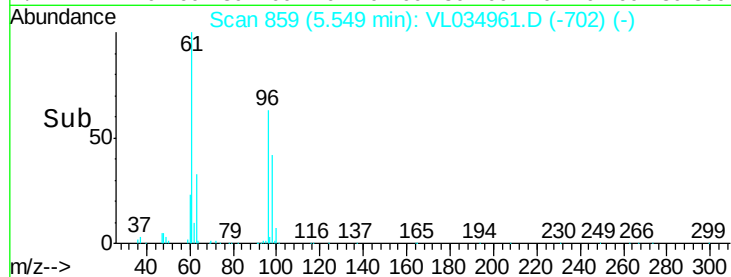
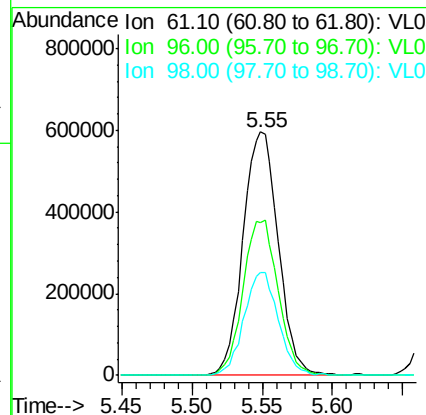
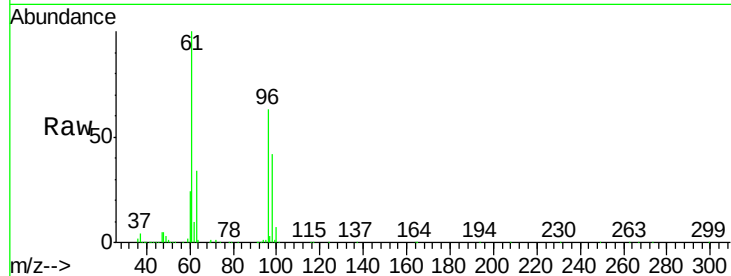
cis-1,2-Dichloroethene
 Concen: 10.060 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.0	53.0	79.6
98	42.0	32.2	48.2

Manual Integrations
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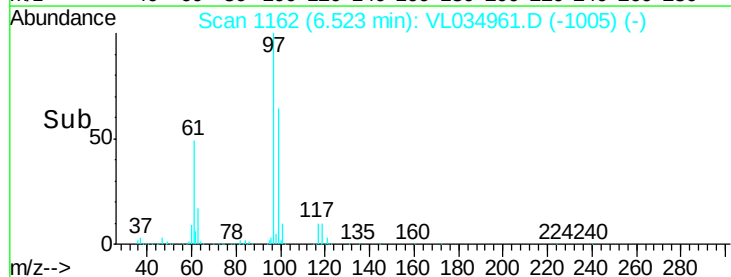
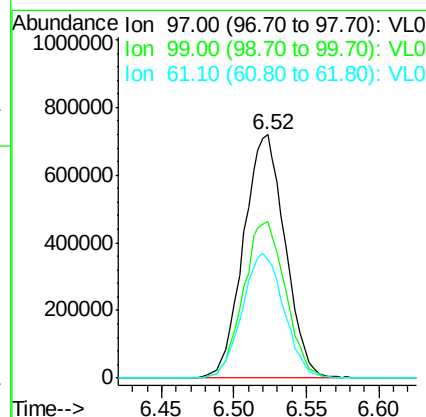
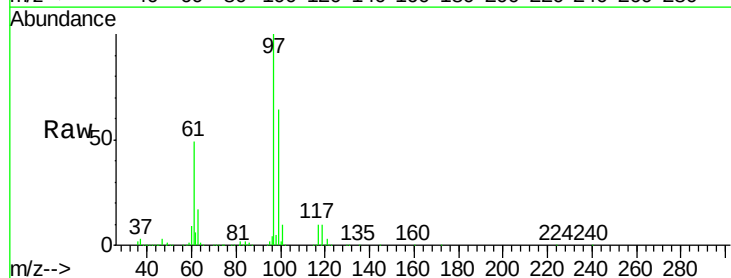
MMDadoda
 5/7/2020 2:32:47 PM

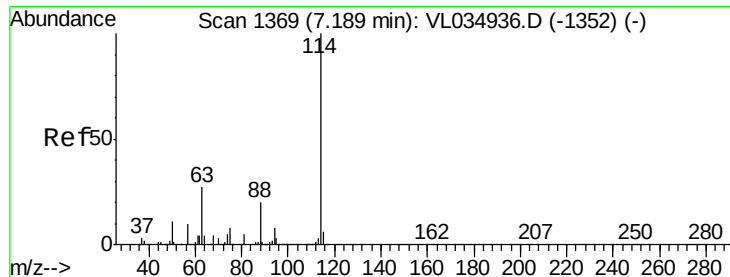


#32

1,1,1-Trichloroethane
 Concen: 9.098 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.1	78.1
61	51.7	41.8	62.8





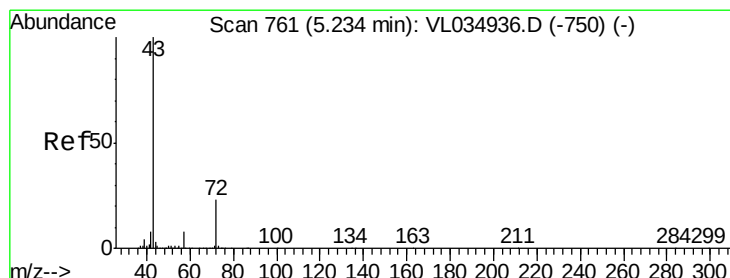
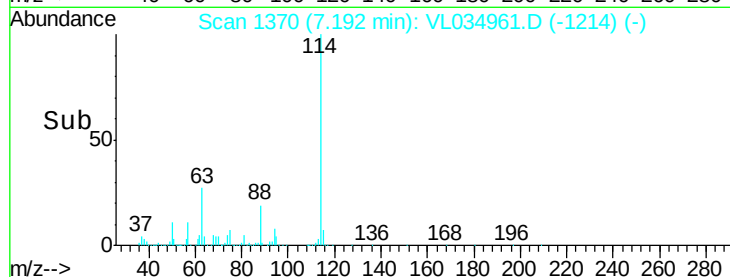
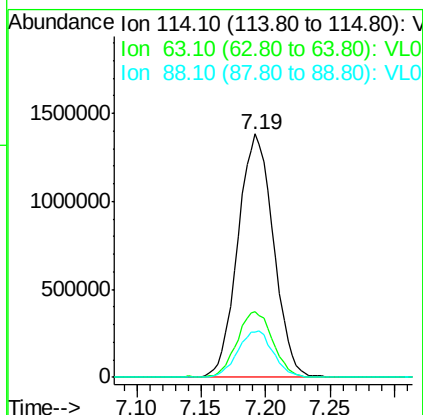
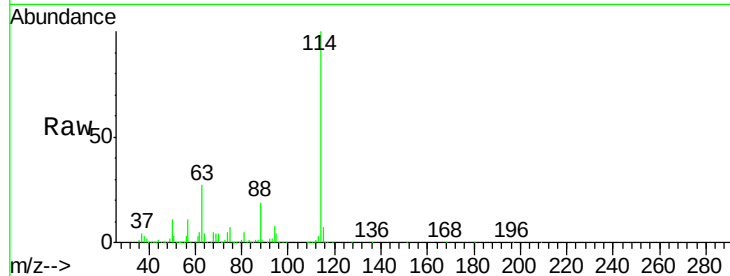
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	19.0	15.5	23.3

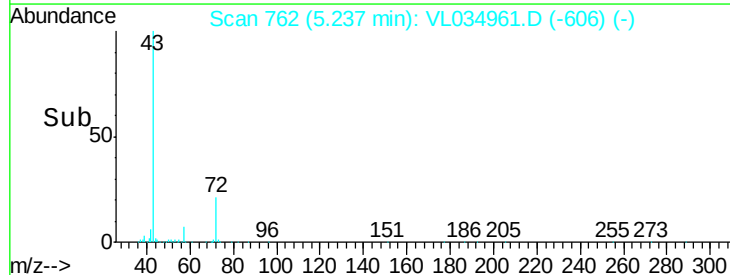
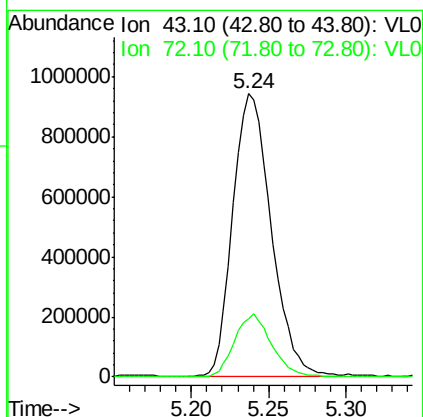
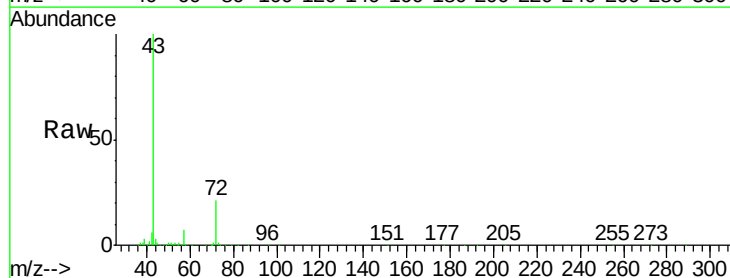
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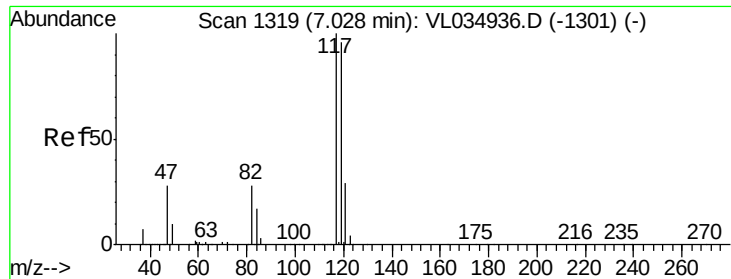
MMDadoda
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#34
 2-Butanone
 Concen: 9.843 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.0	27.0





#35

Carbon Tetrachloride

Concen: 8.586 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1439328

Ion Ratio Lower Upper

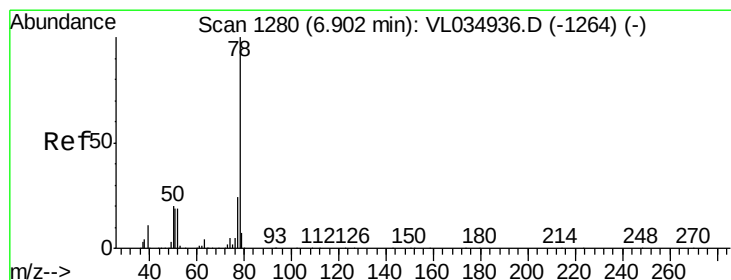
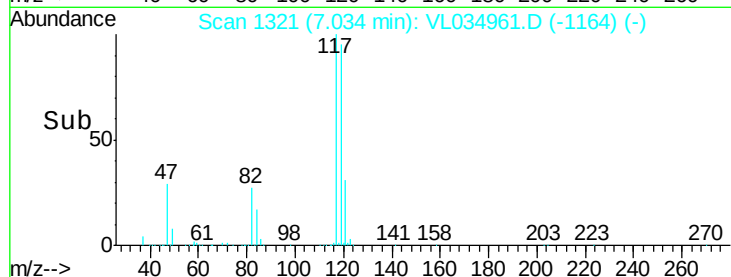
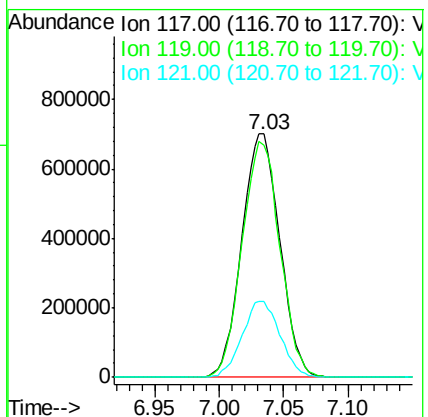
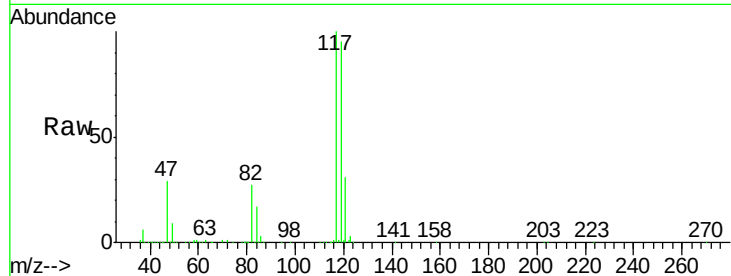
117 100

119 95.1 77.0 115.6

121 30.9 23.0 34.6

Manual Integrations
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#36

Benzene

Concen: 9.493 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

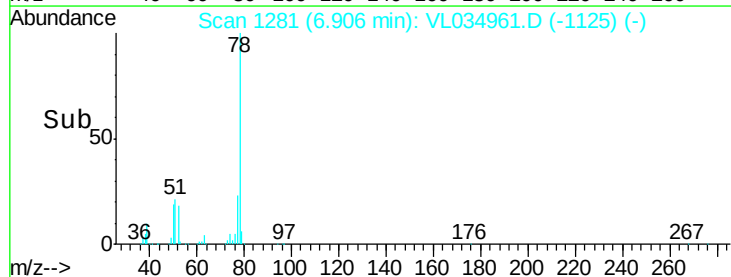
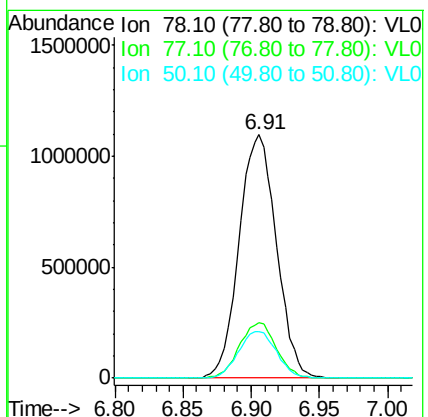
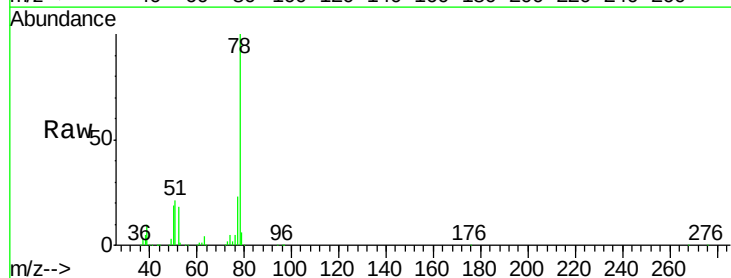
Tgt Ion: 78 Resp: 2078665

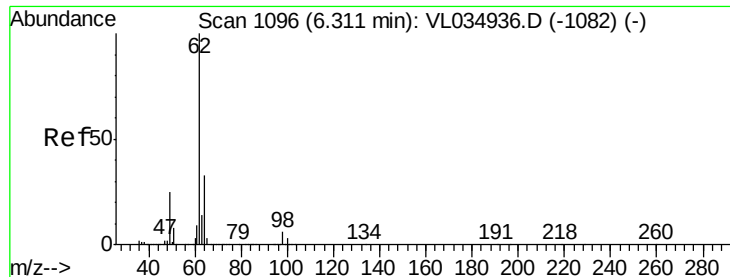
Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6

50 19.1 15.8 23.8





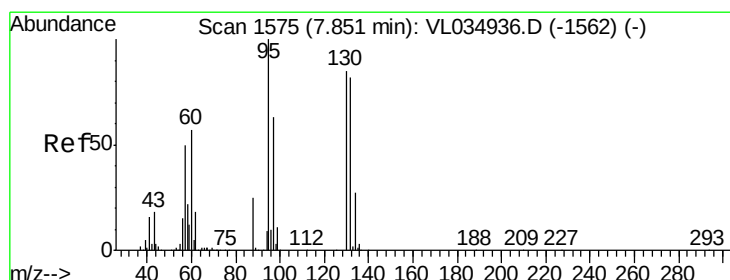
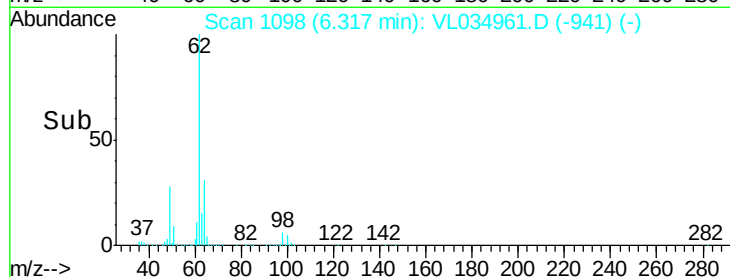
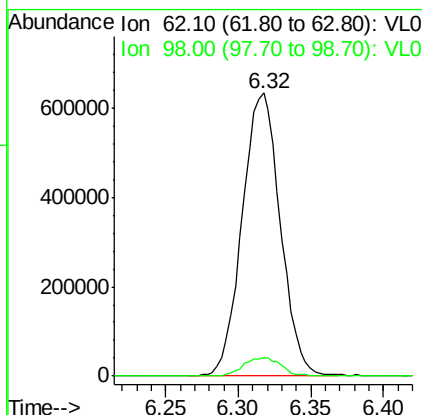
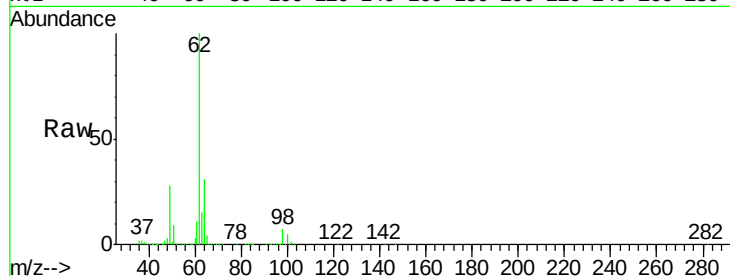
#37
 1,2-Dichloroethane
 Concen: 8.588 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1160000
 Ion Ratio Lower Upper
 62 100
 98 6.6 4.8 7.2

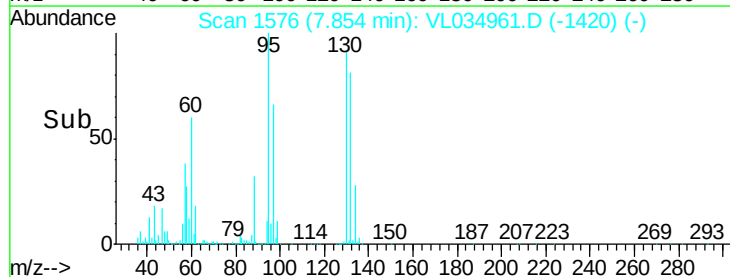
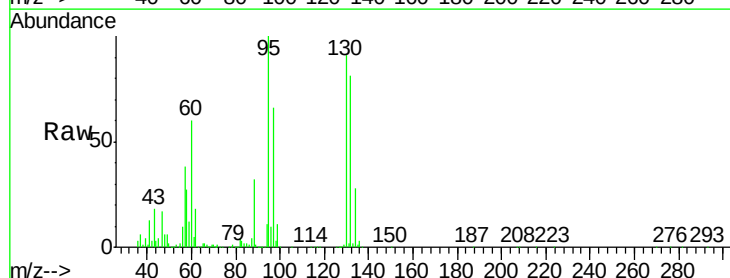
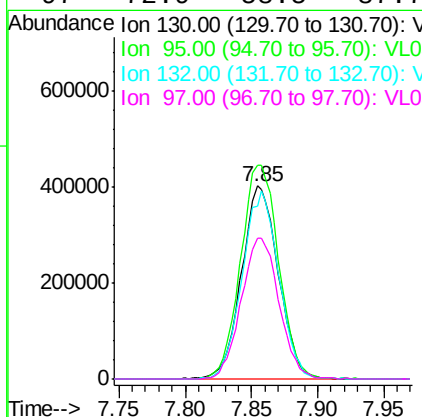
Manual Integrations
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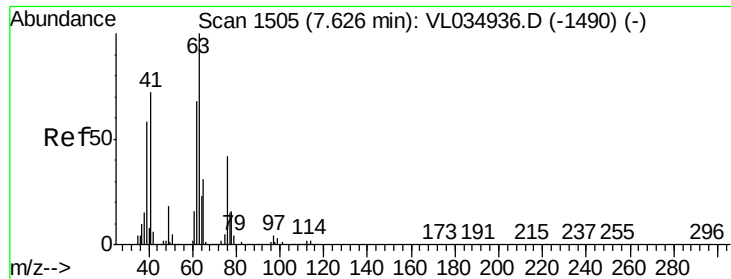
MMDadoda
 5/7/2020 2:32:47 PM



#38
 Trichloroethene
 Concen: 9.062 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 130 Resp: 768752
 Ion Ratio Lower Upper
 130 100
 95 110.6 93.4 140.0
 132 89.7 76.4 114.6
 97 72.9 58.5 87.7





#39

1,2-Dichloropropane

Concen: 9.418 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

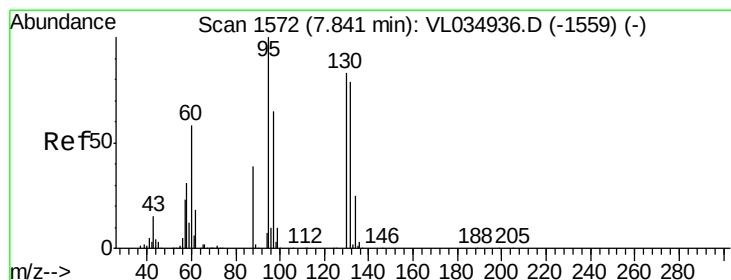
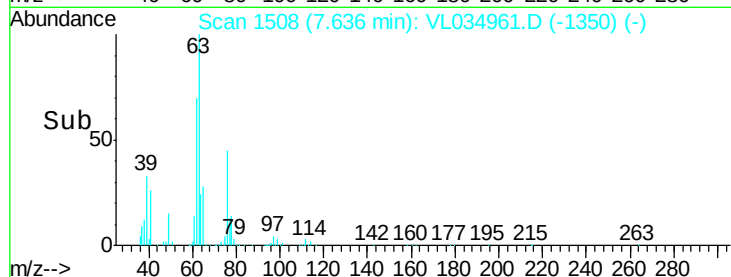
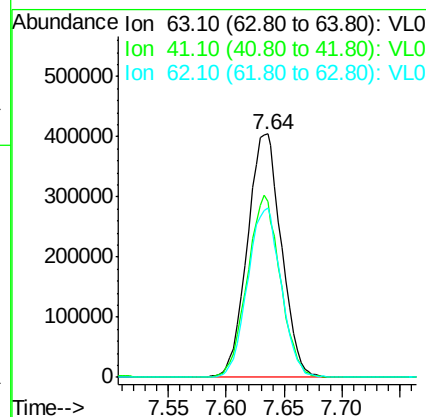
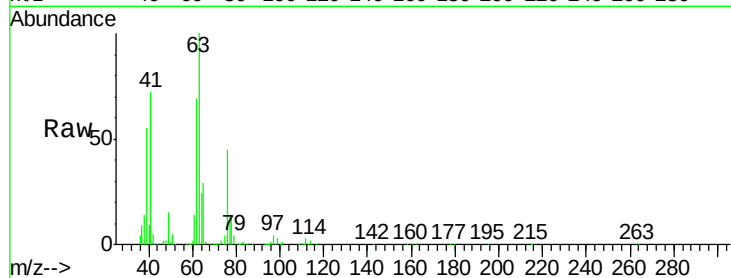
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	826691
Ion Ratio	Lower	Upper	
63	100		
41	72.1	57.8	86.8
62	69.3	54.2	81.2

Manual Integrations
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MMDadoda
5/7/2020 2:32:47 PM



#40

1,4-Dioxane

Concen: 9.091 ppbv

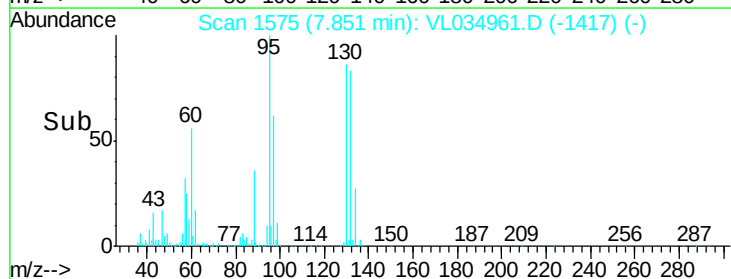
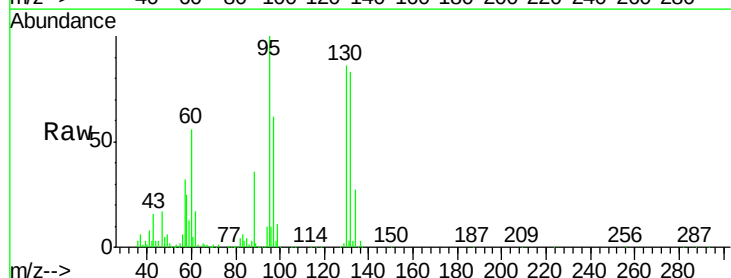
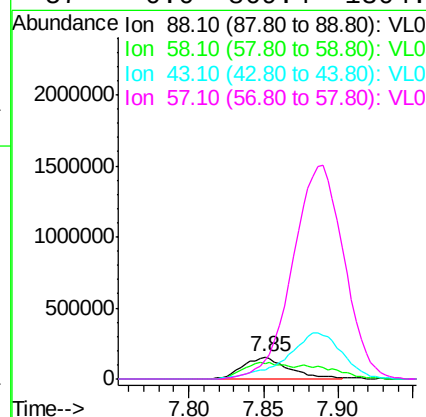
RT: 7.85 min Scan# 1575

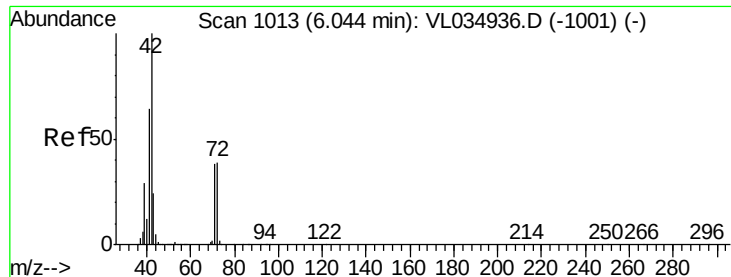
Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion:	88	Resp:	324360
Ion Ratio	Lower	Upper	
88	100		
58	132.2	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





#41

Tetrahydrofuran

Concen: 10.832 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

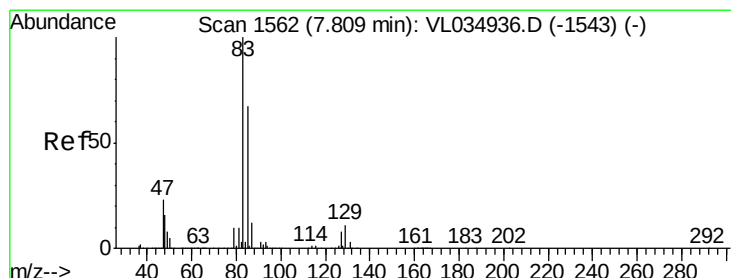
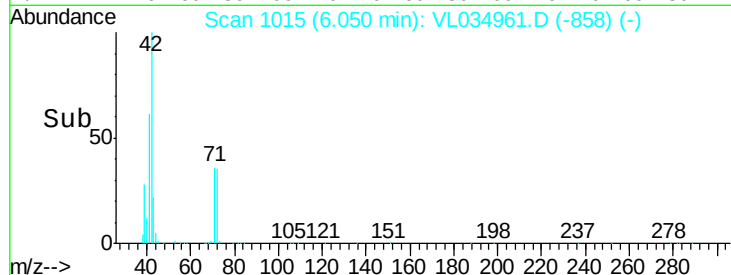
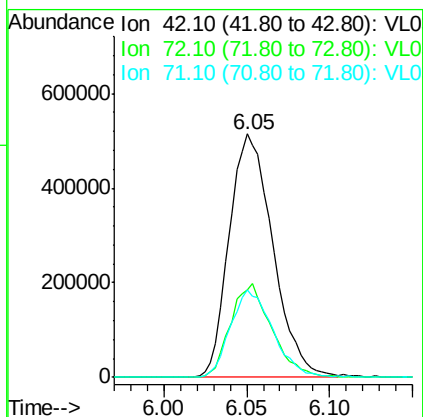
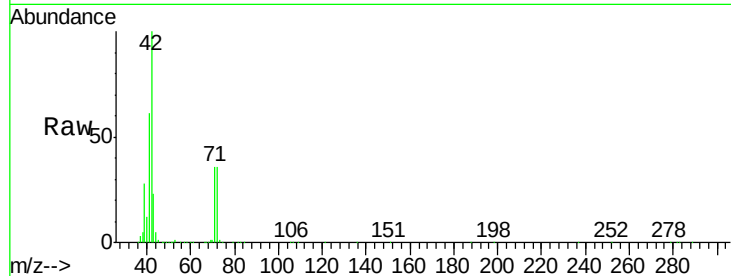
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	941377
Ion Ratio		Lower	Upper
42	100		
72	36.7	31.4	47.0
71	35.2	29.8	44.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.562 ppbv

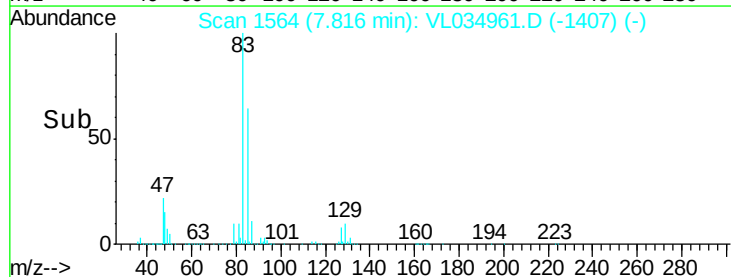
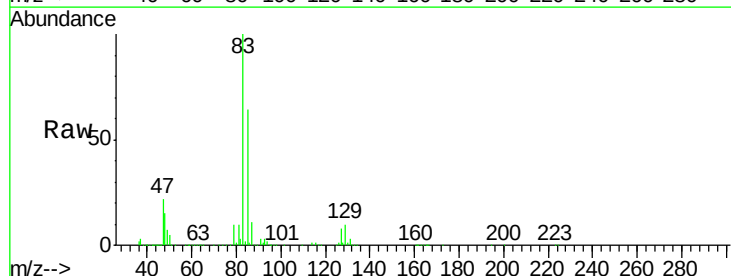
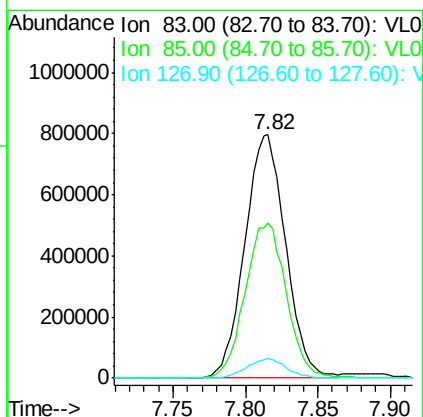
RT: 7.82 min Scan# 1564

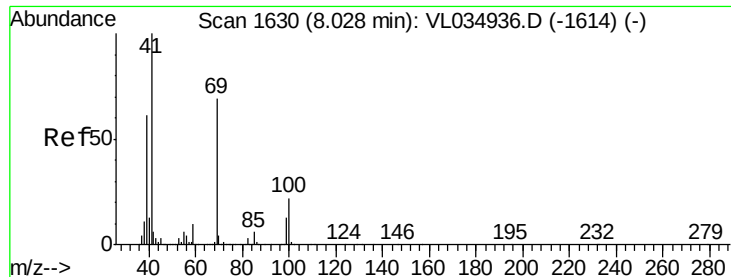
Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion:	83	Resp:	1559770
Ion Ratio		Lower	Upper
83	100		
85	63.7	53.4	80.0
127	7.8	6.1	9.1





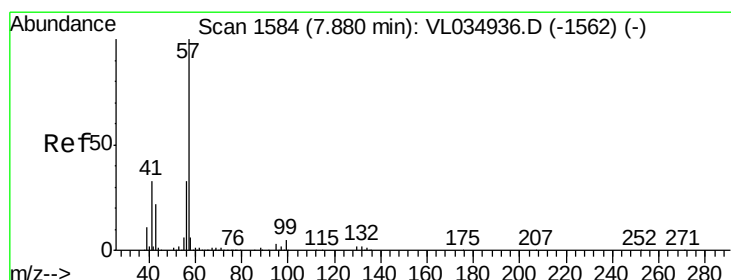
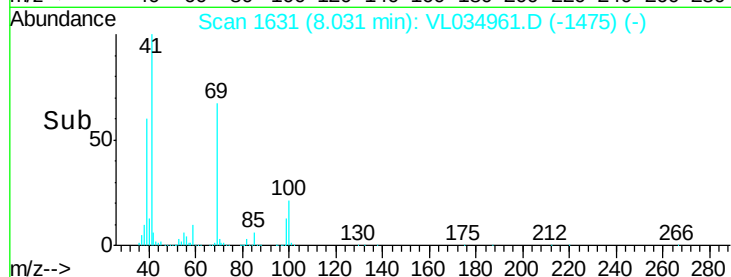
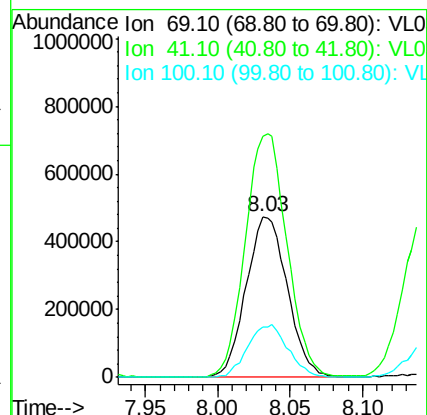
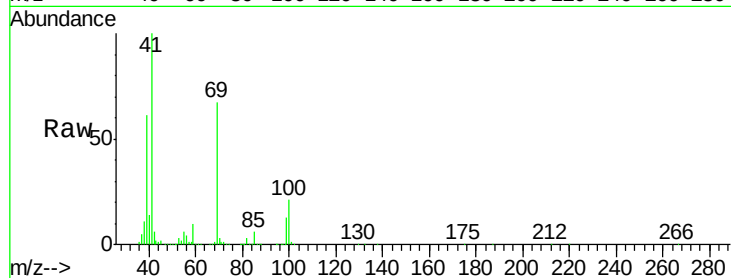
#43
Methyl Methacrylate
Concen: 10.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.9	119.8	179.6
100	32.2	25.0	37.6

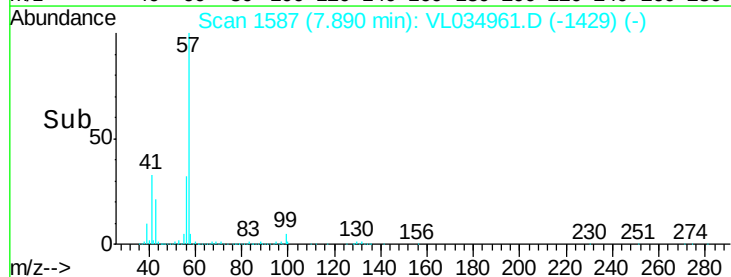
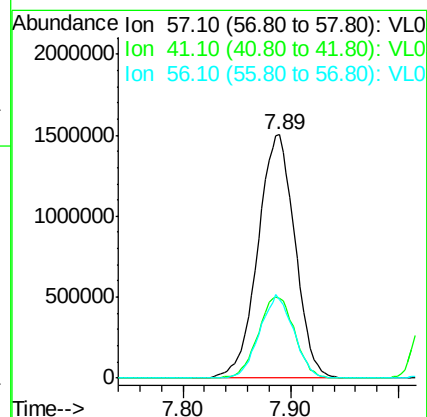
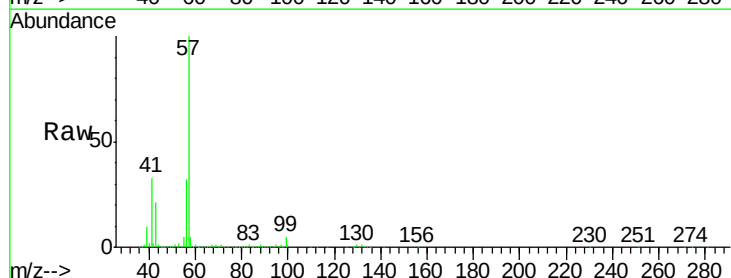
Manual Integrations
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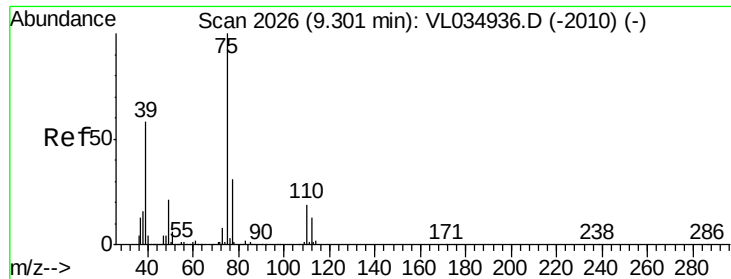
MMDadoda
5/7/2020 2:32:47 PM



#44
2,2,4-Trimethylpentane
Concen: 9.198 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.4	39.6
56	31.5	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 10.666 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 995204

Ion Ratio Lower Upper

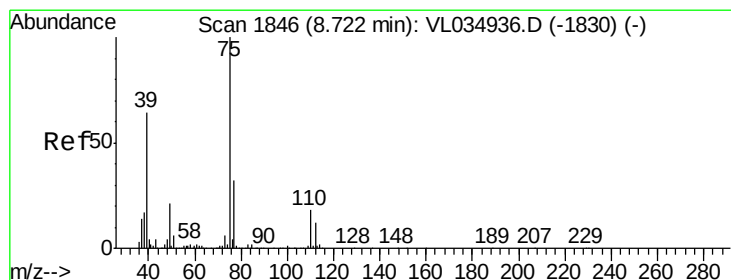
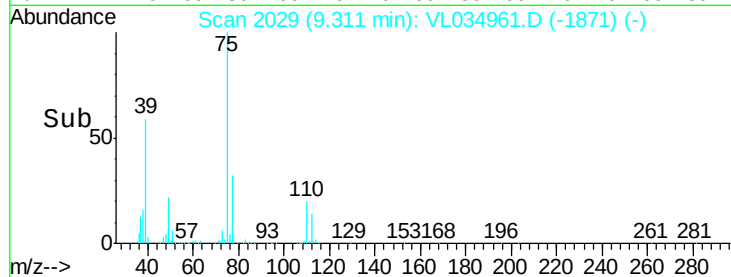
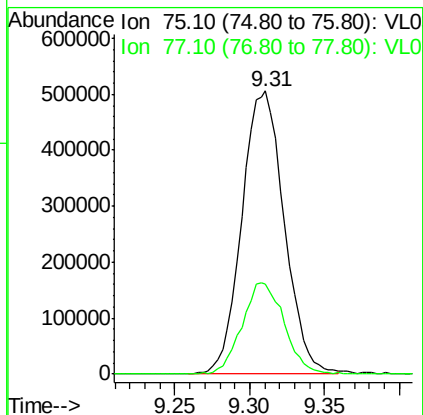
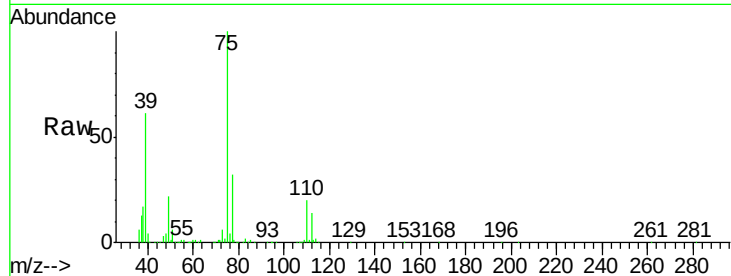
75 100

77 31.9 24.9 37.3

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#46

cis-1,3-Dichloropropene

Concen: 10.505 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

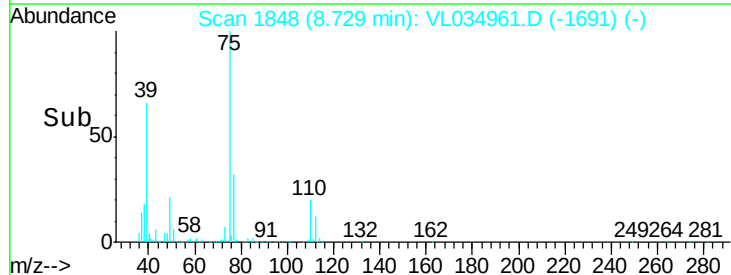
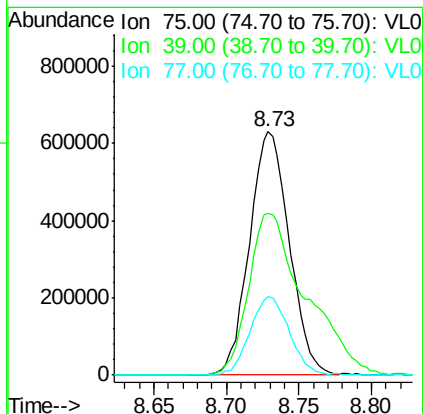
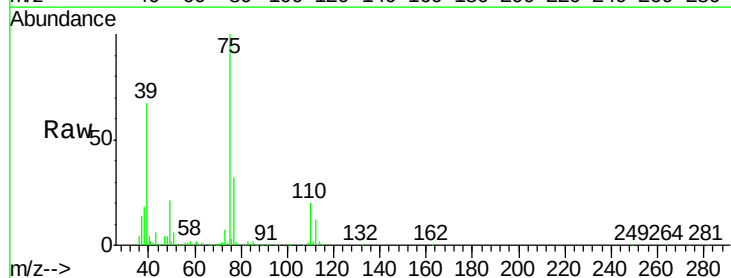
Tgt Ion: 75 Resp: 1203497

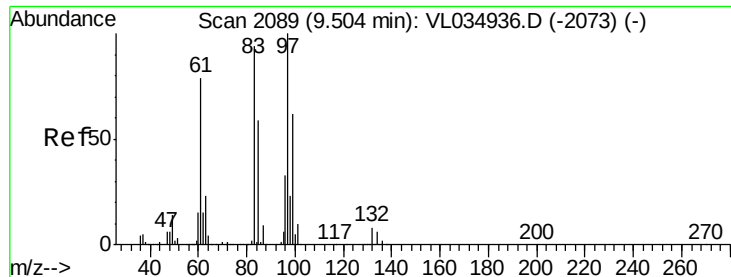
Ion Ratio Lower Upper

75 100

39 66.4 51.5 77.3

77 32.0 25.5 38.3





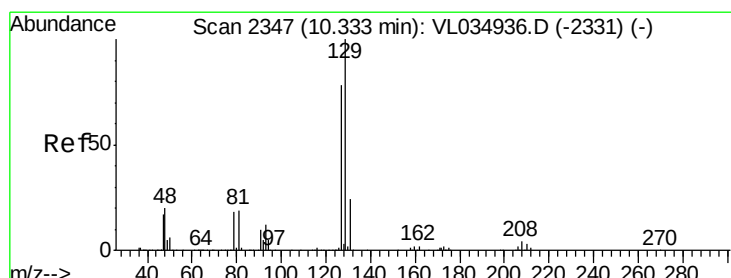
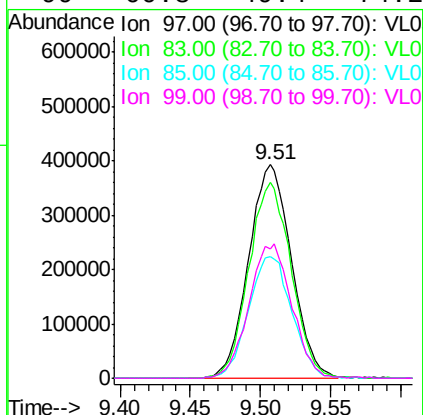
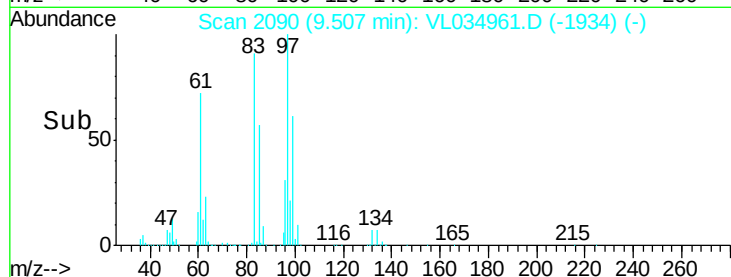
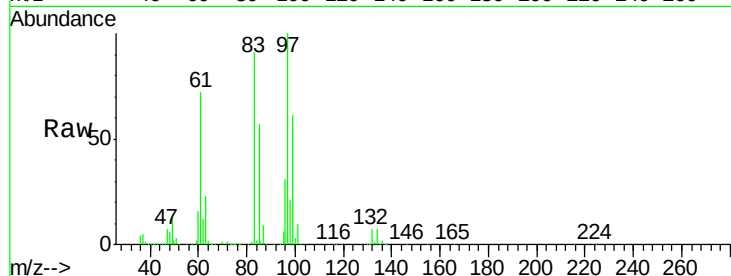
#47
 1,1,2-Trichloroethane
 Concen: 9.012 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.5	75.6	113.4	
85	57.1	47.0	70.6	
99	60.8	49.4	74.2	

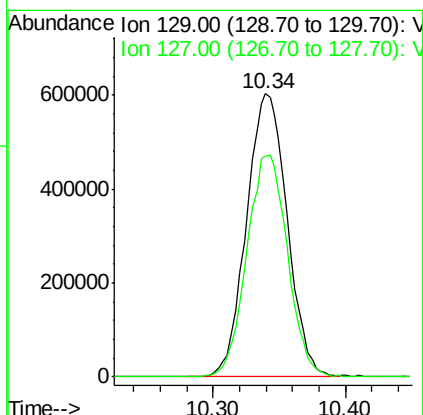
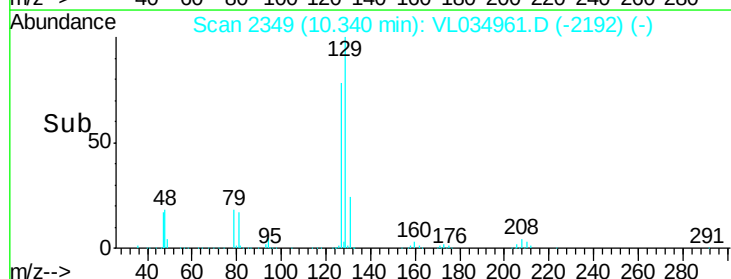
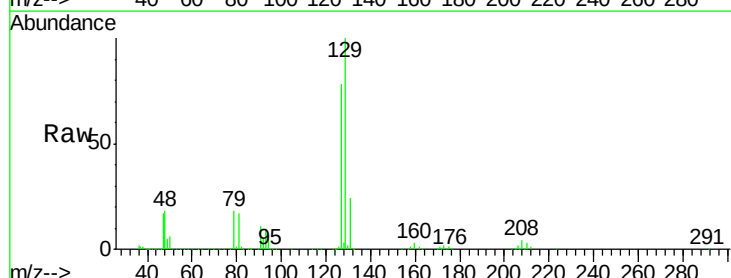
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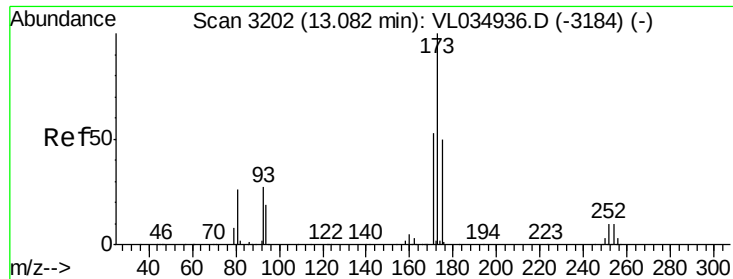
MMDadoda
 5/7/2020 2:32:47 PM



#48
 Dibromochloromethane
 Concen: 9.057 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.1	117.2	





#49

Bromoform

Concen: 8.889 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1089476

Ion Ratio Lower Upper

173 100

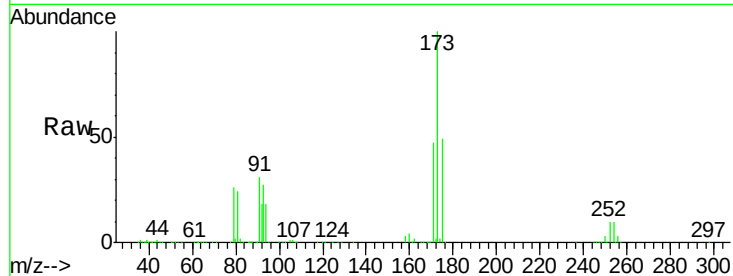
175 49.0 39.0 58.6

171 51.7 41.4 62.2

Manual Integrations
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MMDadoda

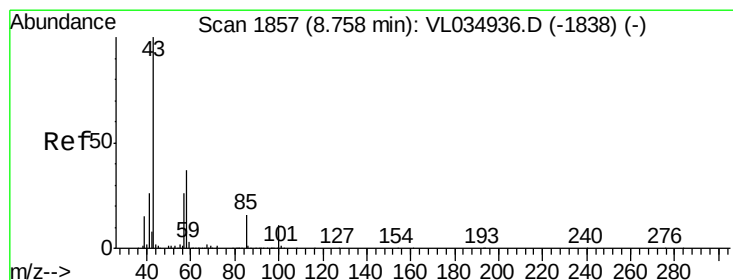
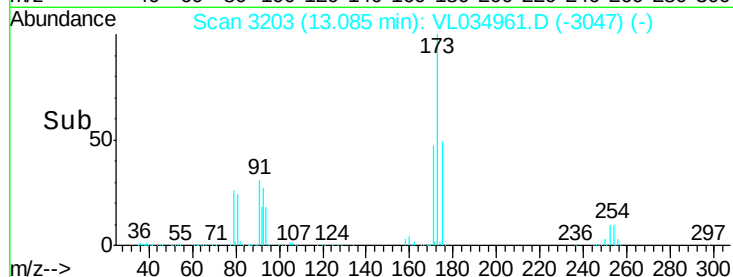
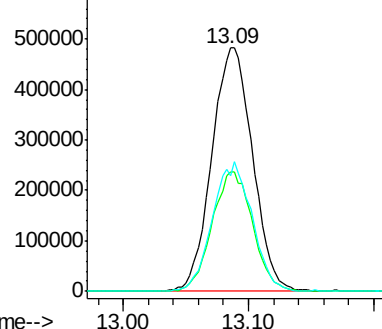
5/7/2020 2:32:47 PM



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: 9.874 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034961.D

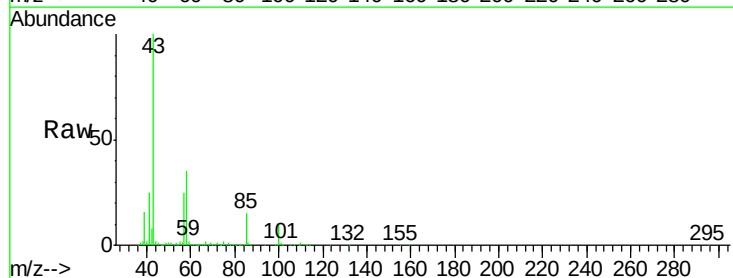
Acq: 7 May 2020 8:42

Tgt Ion: 43 Resp: 2324188

Ion Ratio Lower Upper

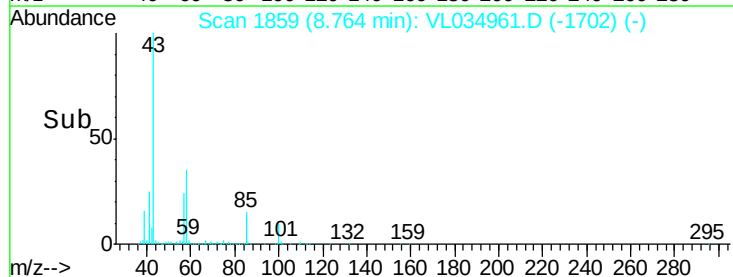
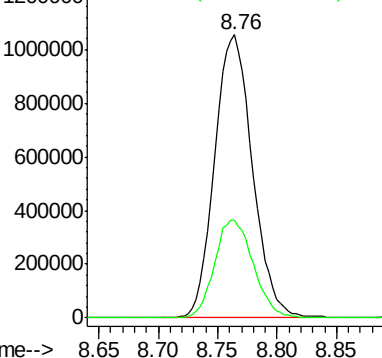
43 100

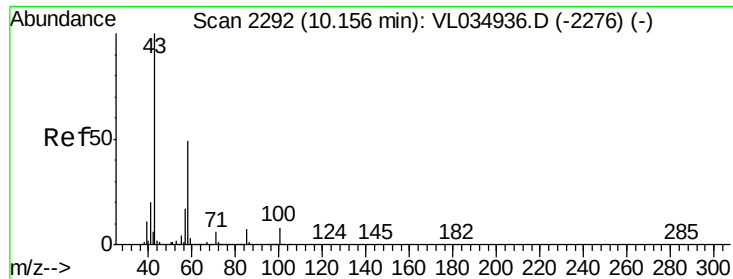
58 35.4 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





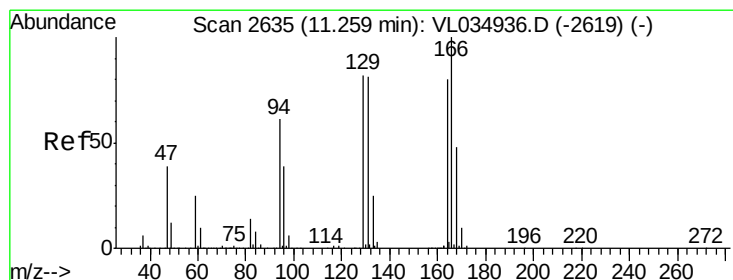
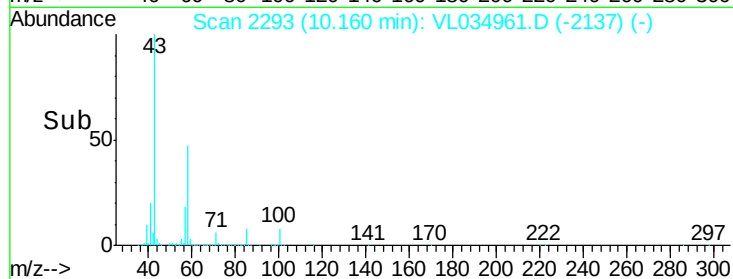
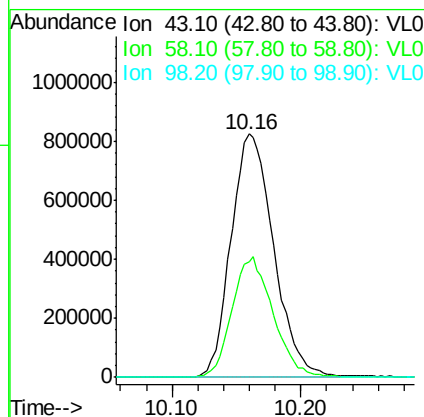
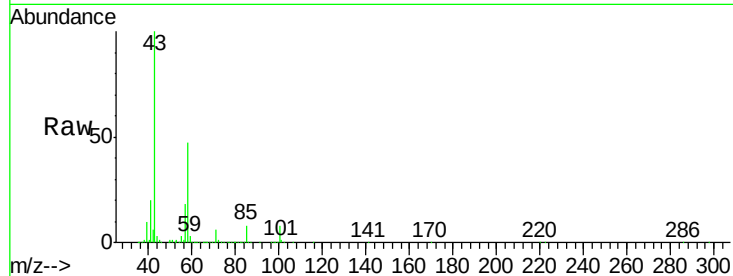
#51
2-Hexanone
Concen: 10.255 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1887987
Ion Ratio Lower Upper
43 100
58 47.9 39.1 58.7
98 0.2 0.3 0.5#

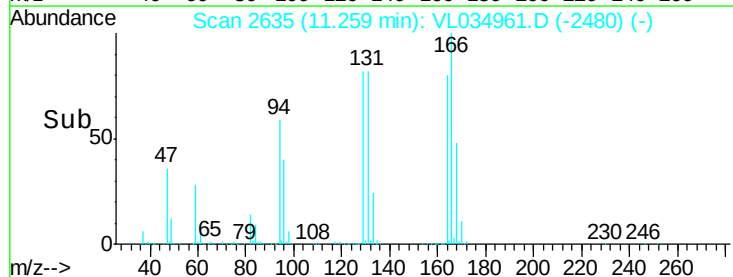
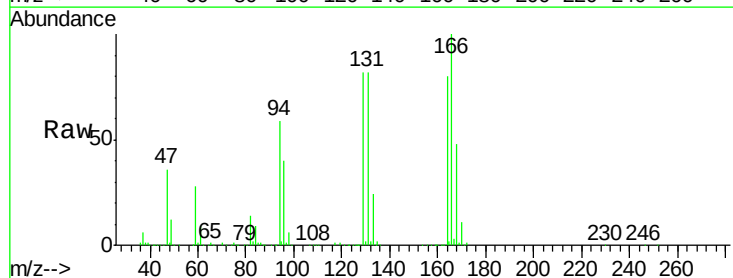
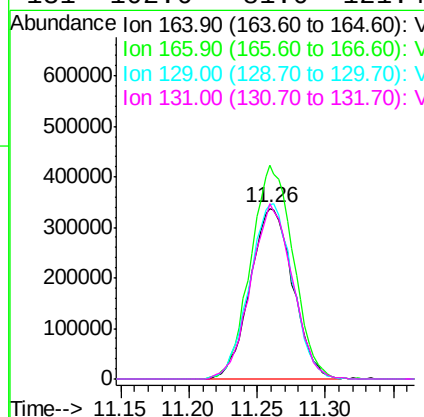
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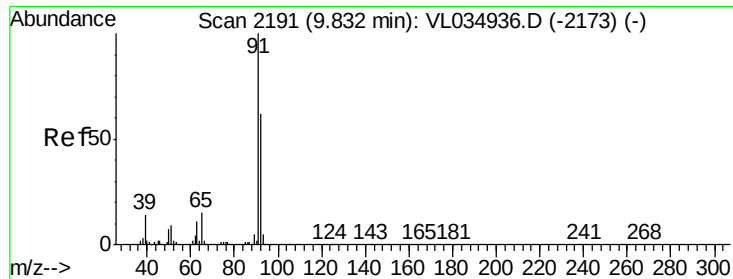
MMDadoda
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#52
Tetrachloroethene
Concen: 9.443 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 164 Resp: 735262
Ion Ratio Lower Upper
164 100
166 125.4 100.7 151.1
129 102.4 83.0 124.4
131 102.6 81.0 121.4





#53

Toluene

Concen: 10.302 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2391311

Ion Ratio Lower Upper

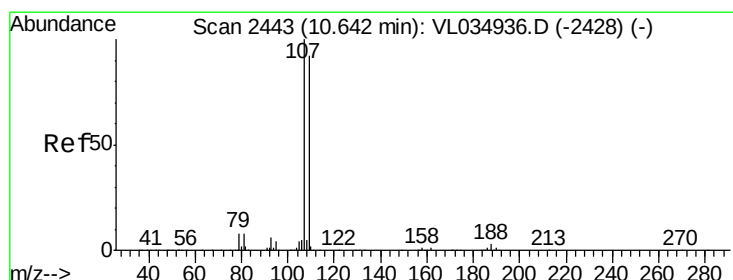
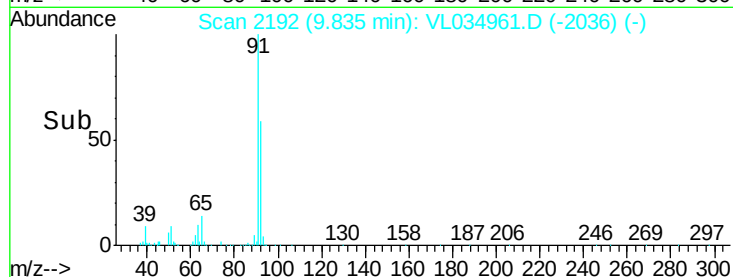
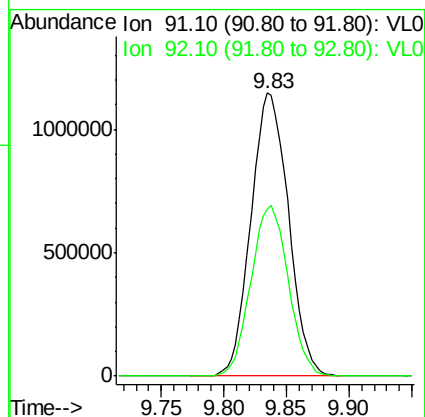
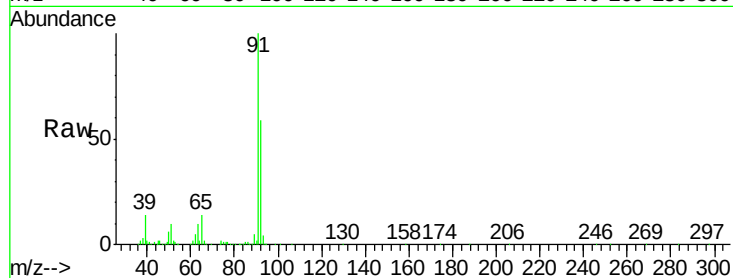
91 100

92 60.2 48.6 73.0

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.053 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034961.D

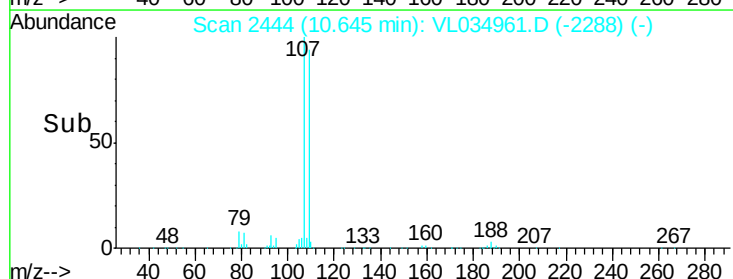
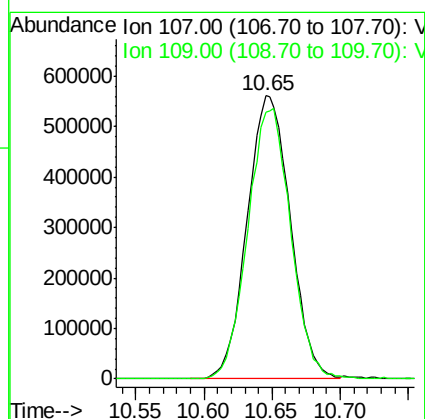
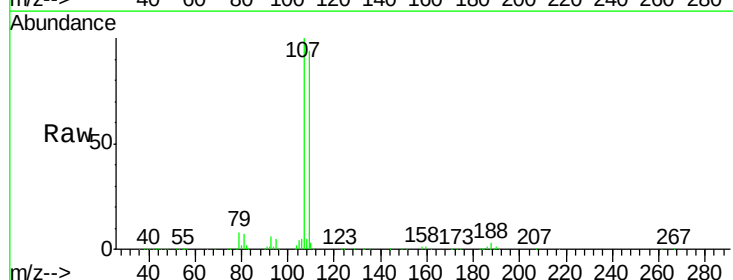
Acq: 7 May 2020 8:42

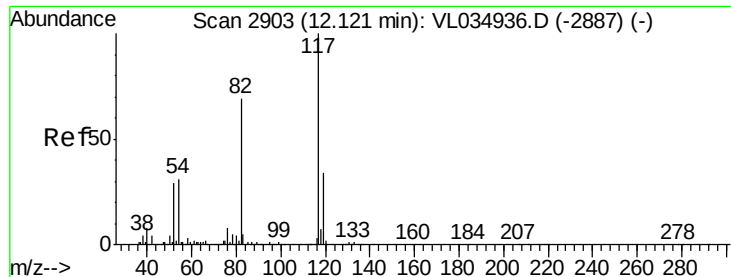
Tgt Ion: 107 Resp: 1231399

Ion Ratio Lower Upper

107 100

109 94.3 73.2 109.8





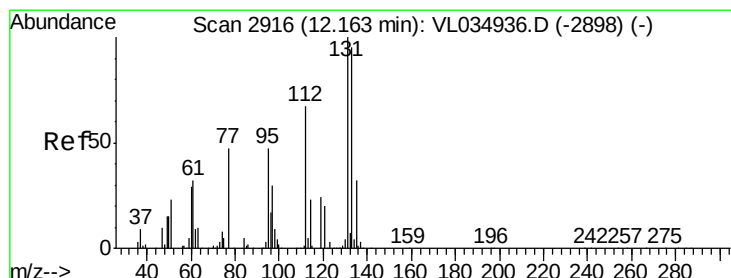
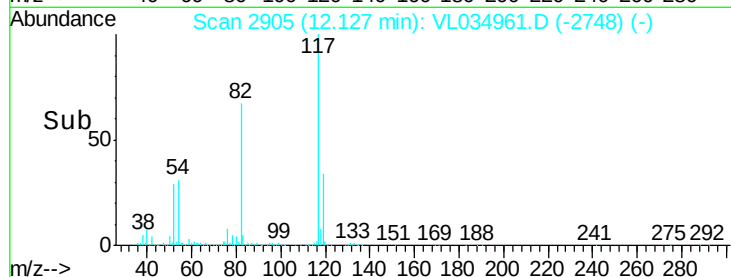
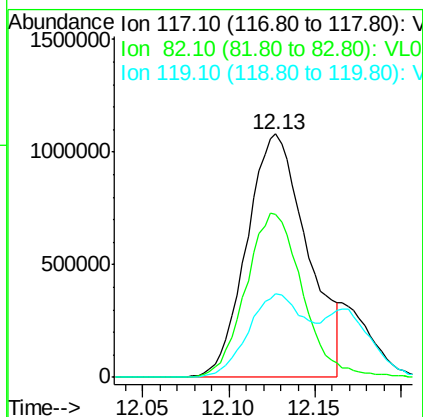
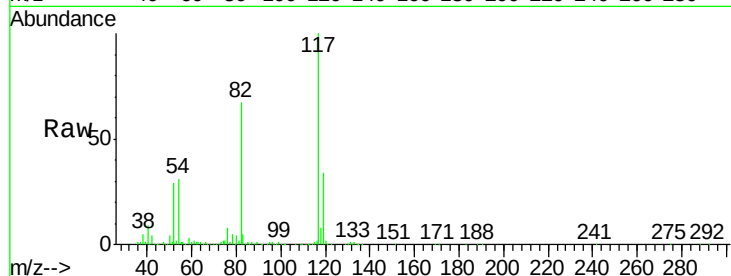
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	53.1	79.7
119	54.3	26.7	40.1#

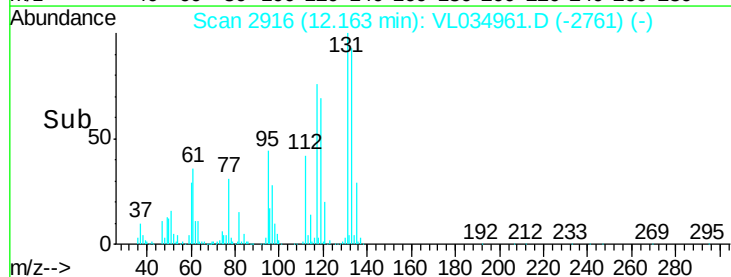
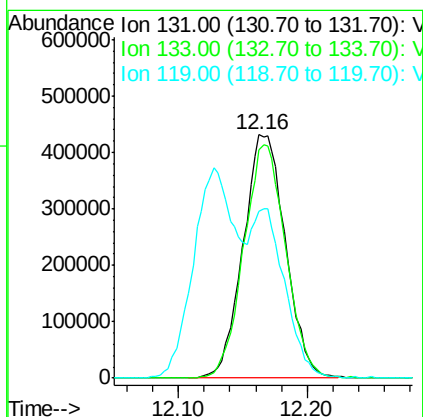
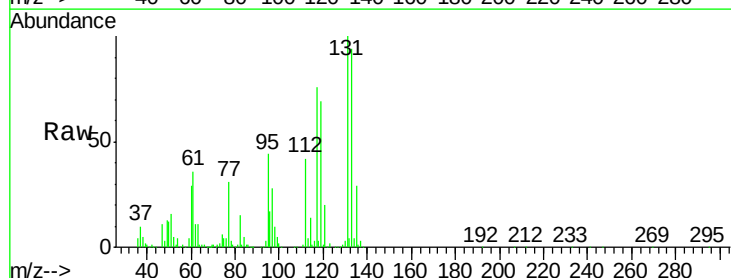
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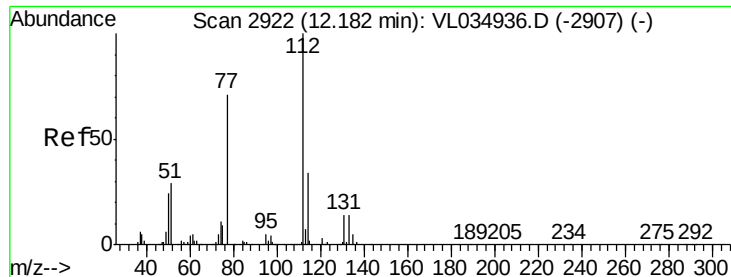
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.290 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	77.7	116.5
119	59.9	49.8	74.6





#57

Chlorobenzene

Concen: 8.328 ppbv

RT: 12.19 min Scan# 2924

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1739189

Ion Ratio Lower Upper

112 100

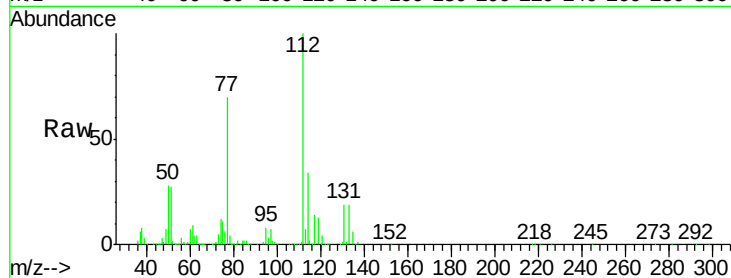
77 69.0 57.0 85.6

114 34.0 30.8 37.6

Manual Integrations
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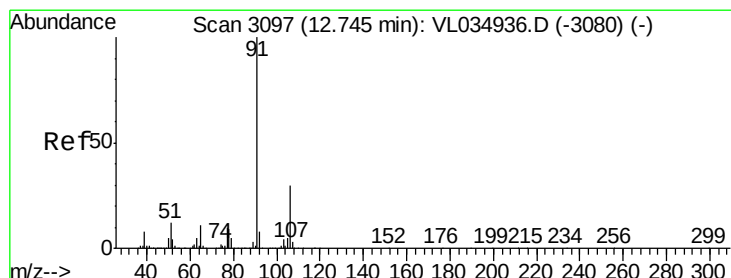
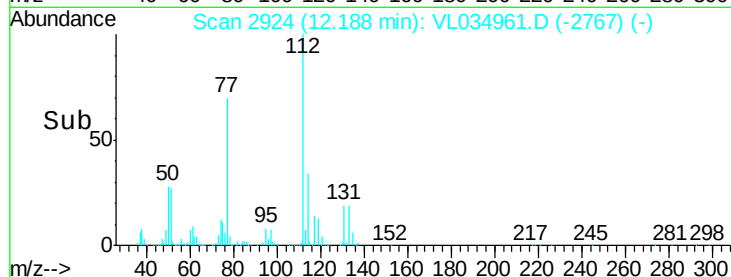
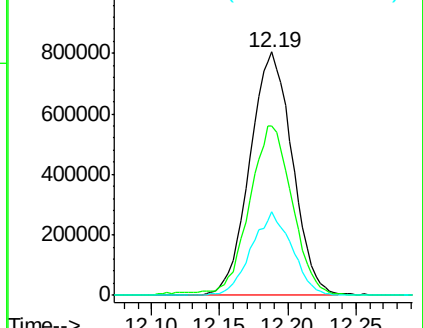
5/7/2020 2:32:47 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.502 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034961.D

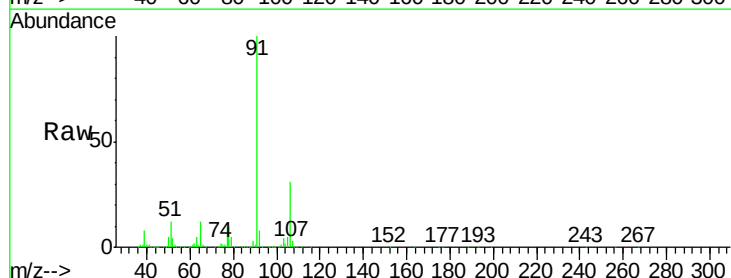
Acq: 7 May 2020 8:42

Tgt Ion: 91 Resp: 3097537

Ion Ratio Lower Upper

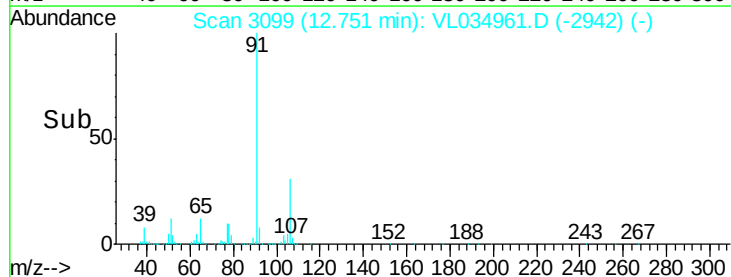
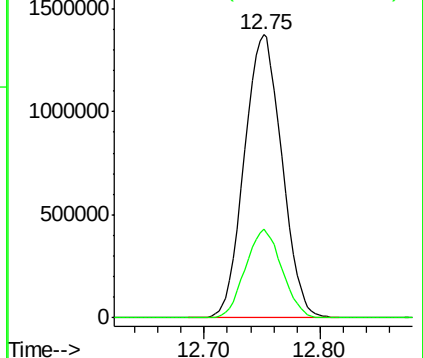
91 100

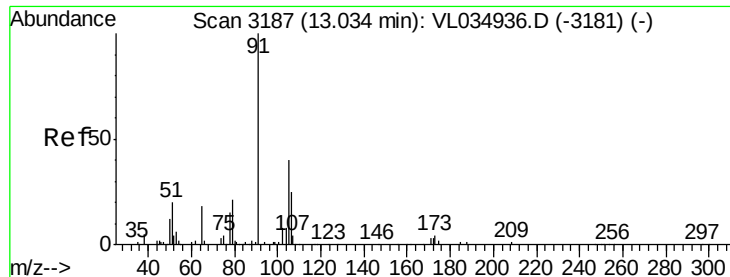
106 31.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 17.561 ppbv m

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010EC

Tot Ion: 91 Resp: 5036671

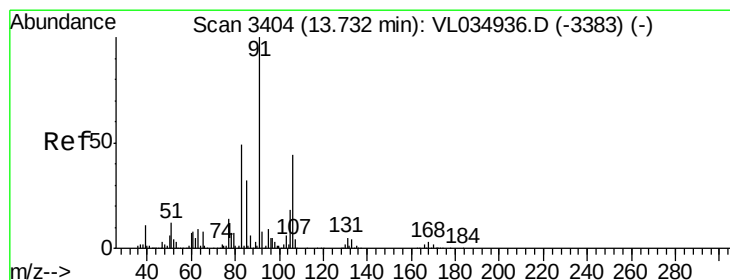
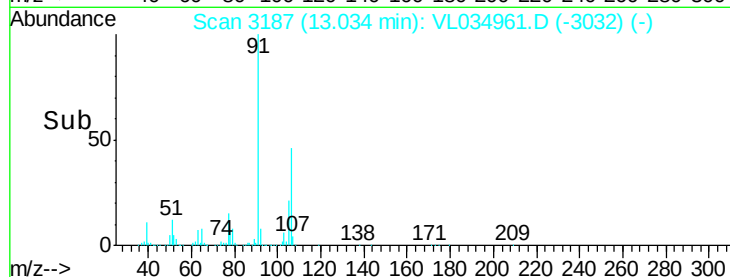
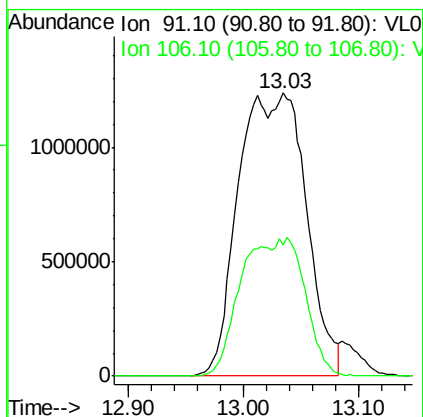
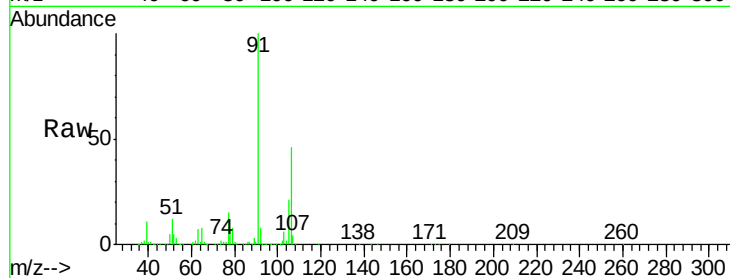
Ion Ratio Lower Upper

91 100

106 46.3 66.0 99.0#

Manual Integrations
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#60

o-Xylene

Concen: 8.678 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL034961.D

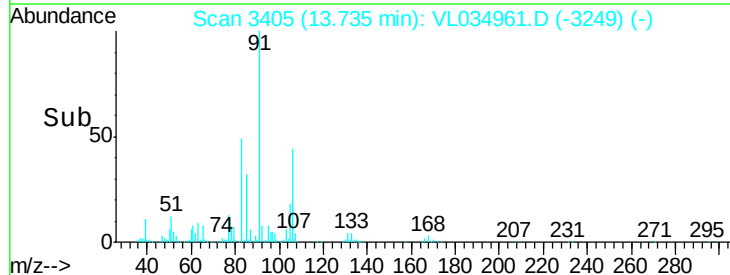
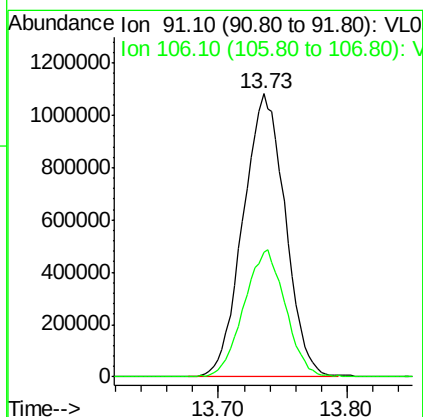
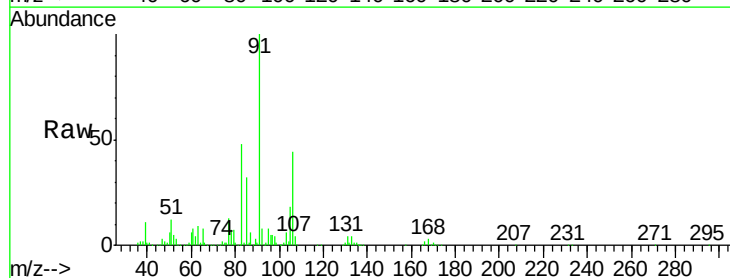
Acq: 7 May 2020 8:42

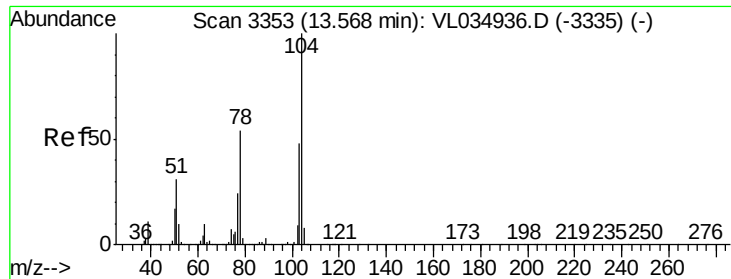
Tgt Ion: 91 Resp: 2456172

Ion Ratio Lower Upper

91 100

106 44.5 21.9 65.5





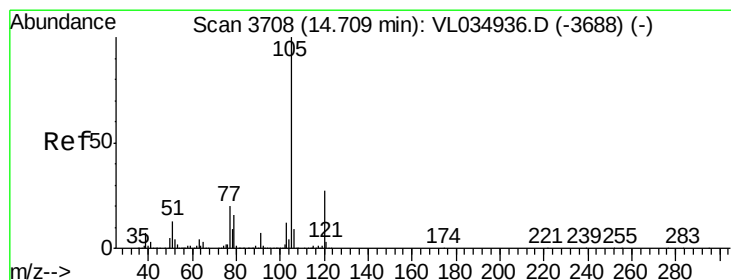
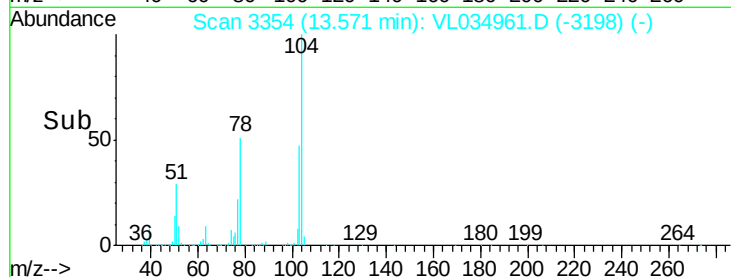
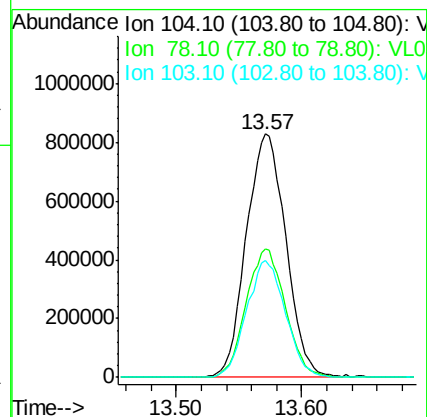
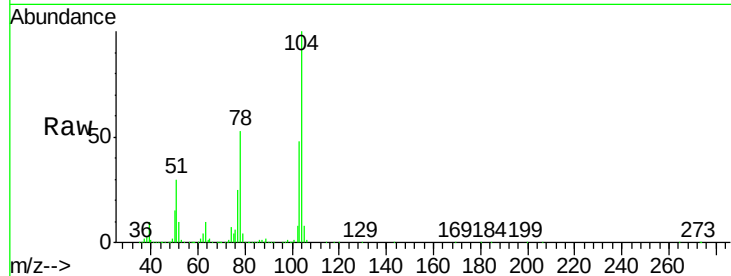
#61
Stvrene
Concen: 10.155 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.7	65.5
103	47.5	38.8	58.2

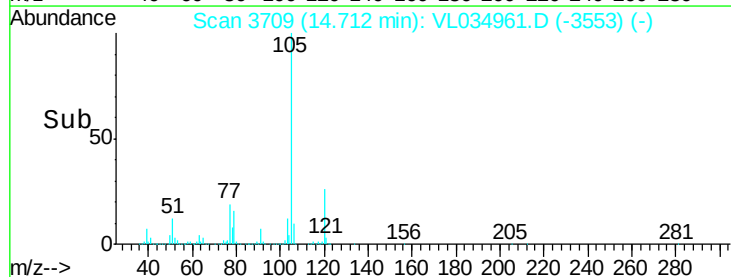
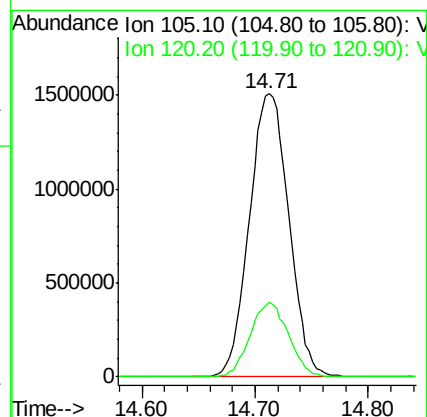
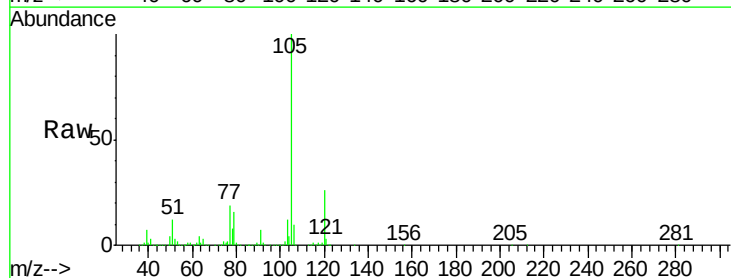
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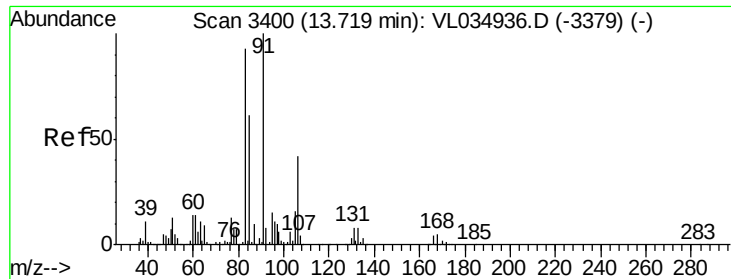
MMDadoda
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#62
Isopropylbenzene
Concen: 8.654 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	31.0





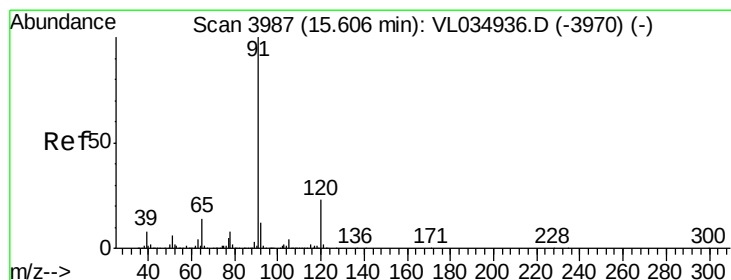
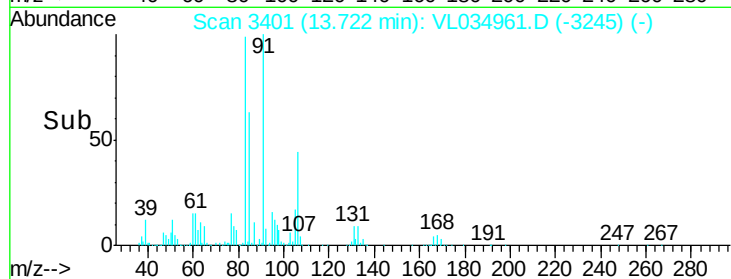
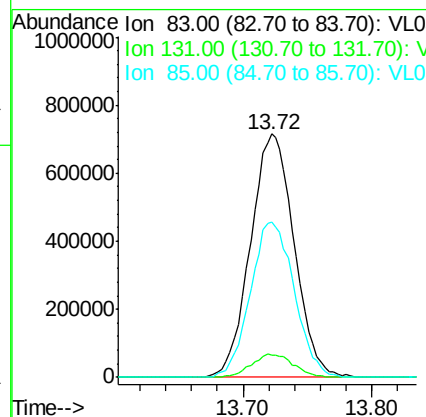
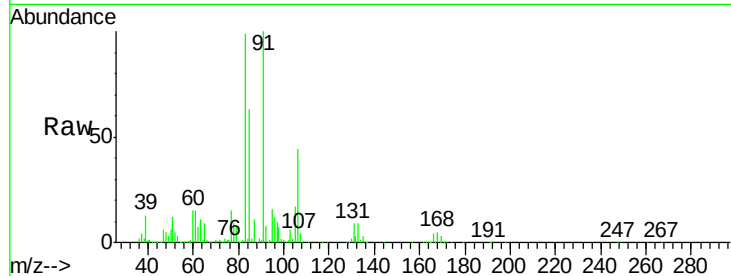
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.542 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1680158
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.4 32.5 97.4

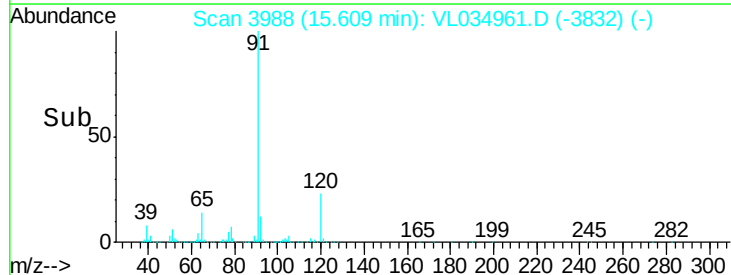
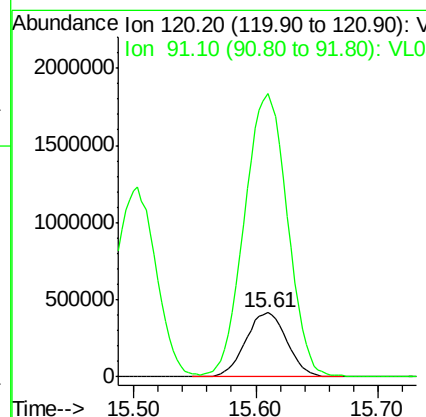
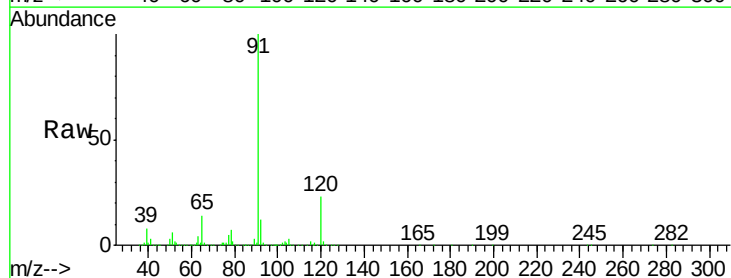
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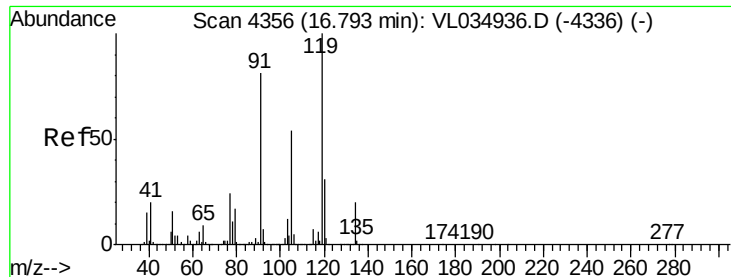
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#64
 n-propylbenzene
 Concen: 8.994 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 120 Resp: 974768
 Ion Ratio Lower Upper
 120 100
 91 459.3 373.5 560.3





#65

tert-Butylbenzene

Concen: 8.629 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3162237

Ion Ratio Lower Upper

119 100

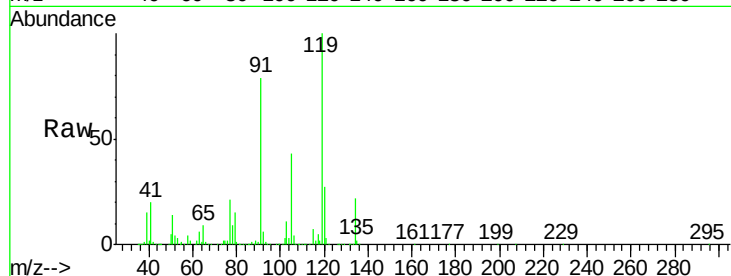
91 81.8 67.5 101.3

134 20.0 16.1 24.1

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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

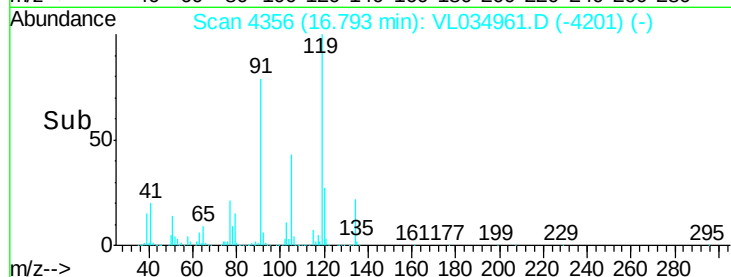
1500000

1000000

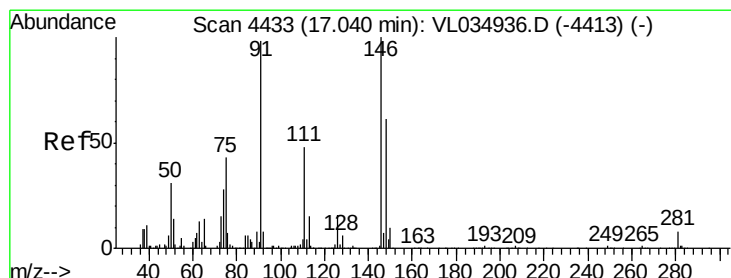
500000

0

16.70 16.80 16.90



Time-->



#66

Benzyl Chloride

Concen: 9.206 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

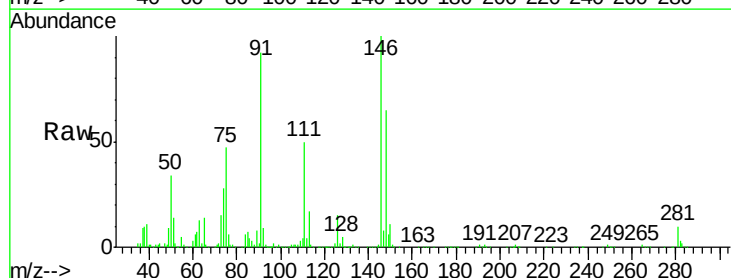
Tgt Ion: 91 Resp: 1145342

Ion Ratio Lower Upper

91 100

126 16.6 13.8 20.6

128 5.3 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

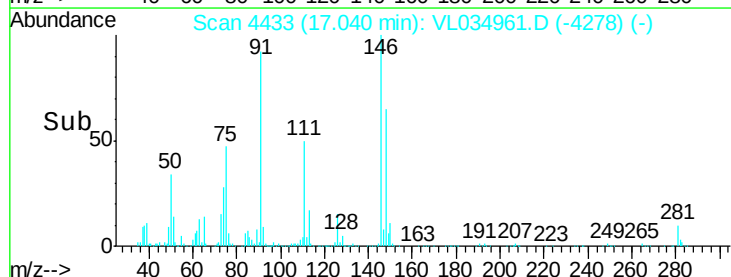
600000

400000

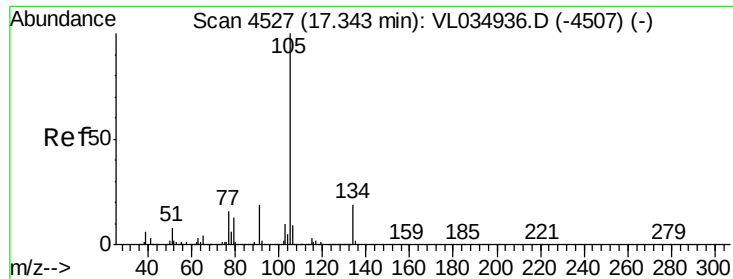
200000

0

16.95 17.00 17.05 17.10



Time-->



#67

sec-Butylbenzene

Concen: 8.729 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4566884

Ion Ratio Lower Upper

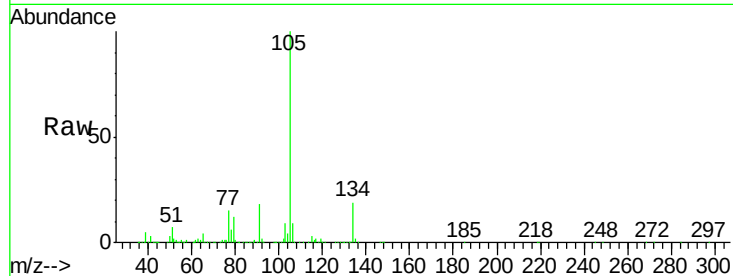
105 100

134 18.5 14.8 22.2

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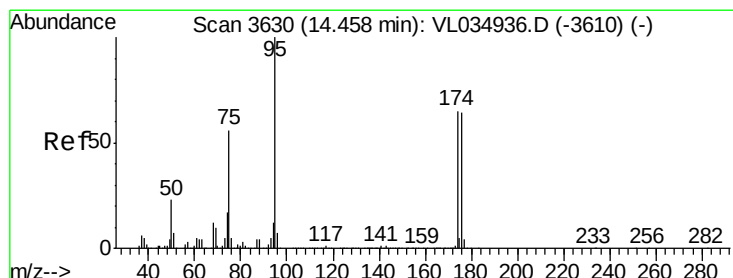
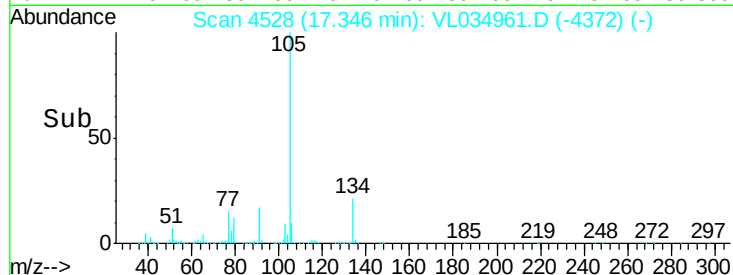
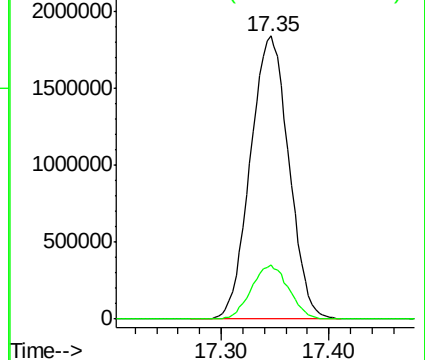
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.313 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

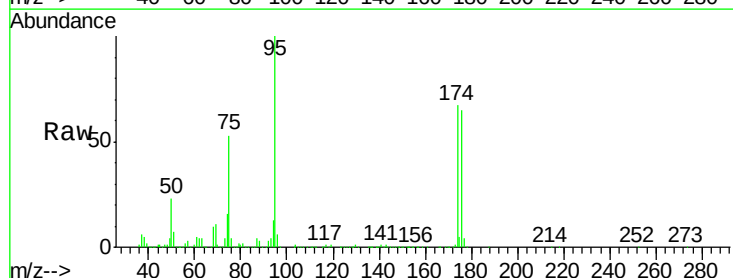
Tgt Ion: 95 Resp: 1987334

Ion Ratio Lower Upper

95 100

174 66.7 51.5 77.3

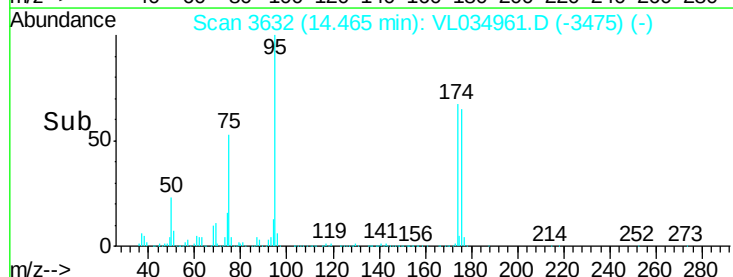
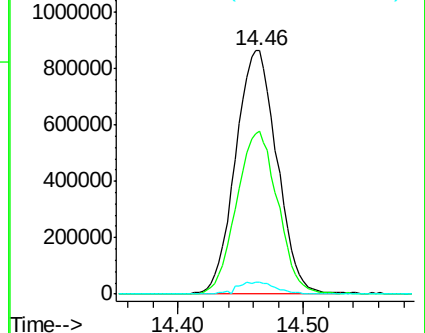
175 4.8 3.8 5.8

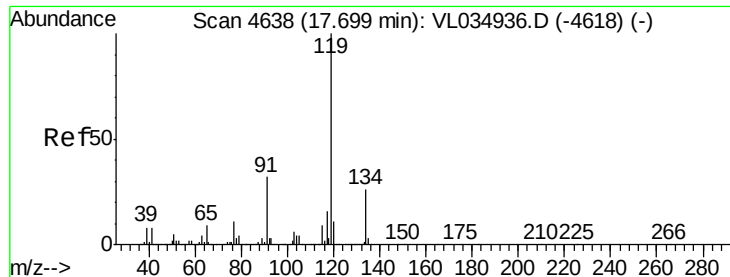


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





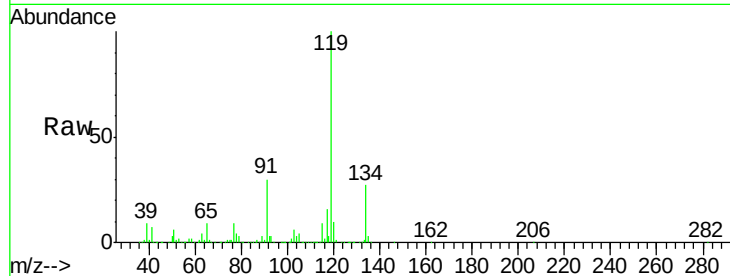
#69
 p-Isopropyltoluene
 Concen: 9.060 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

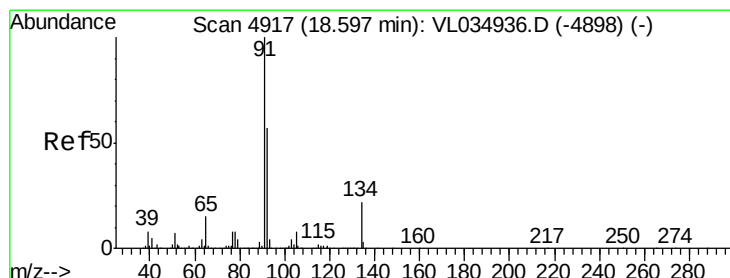
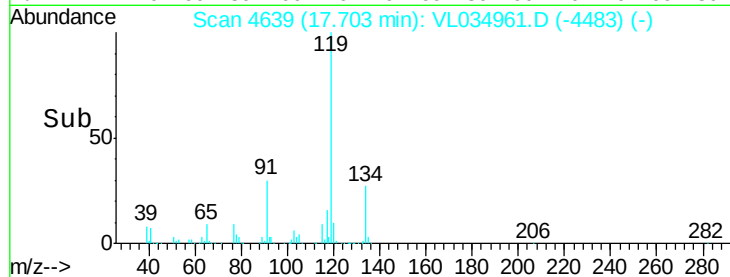
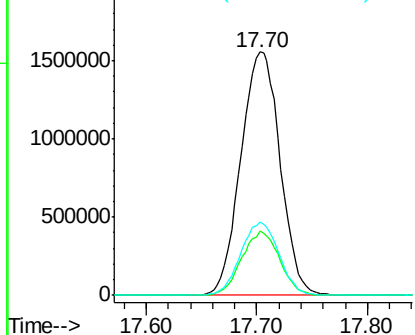
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	29.5	24.6	36.8

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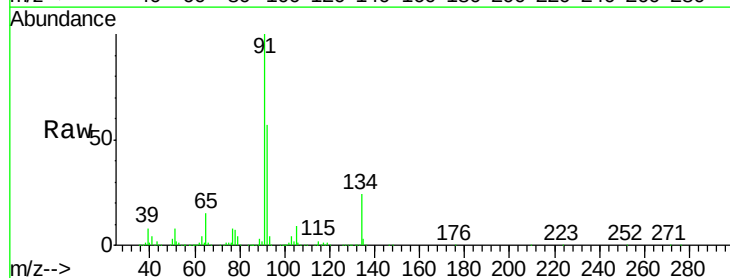


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

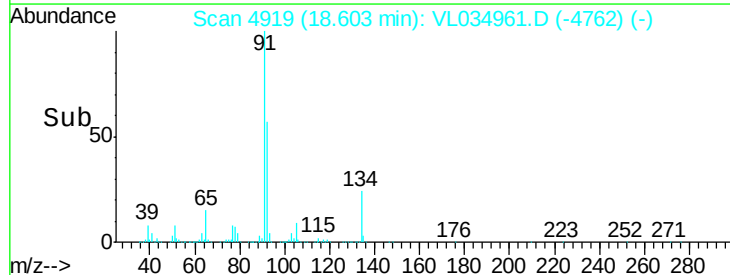
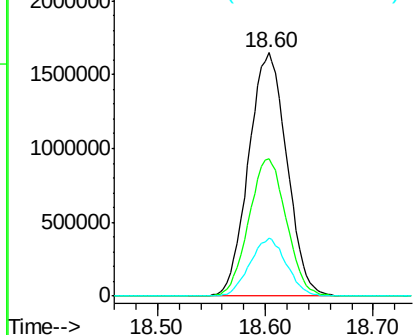


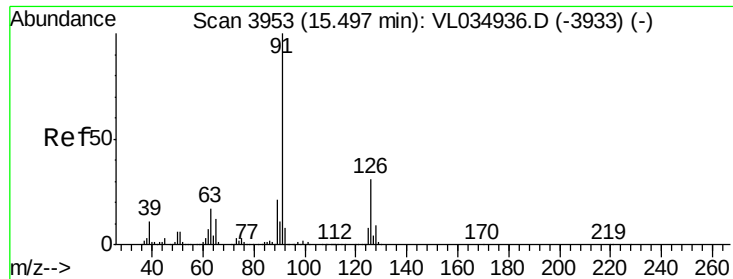
#70
 n-Butylbenzene
 Concen: 8.976 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.4	66.6
134	22.9	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.941 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2851791

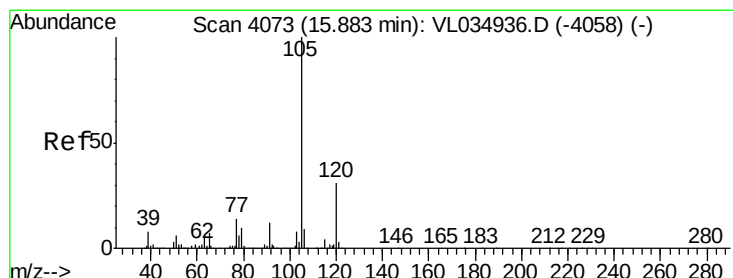
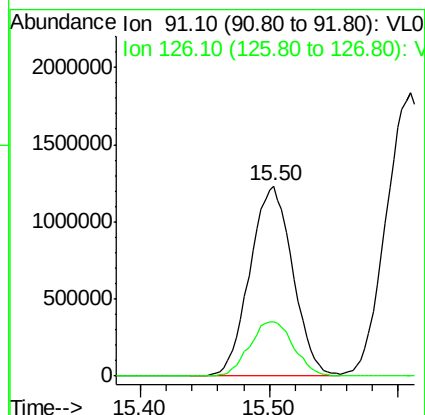
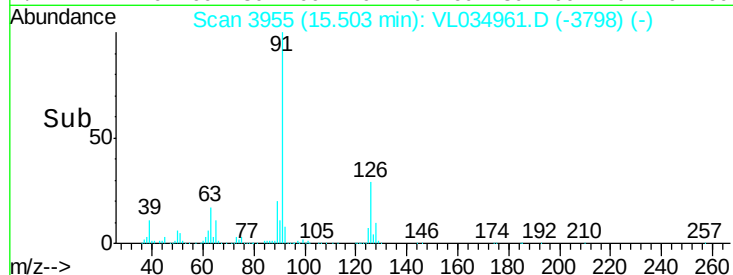
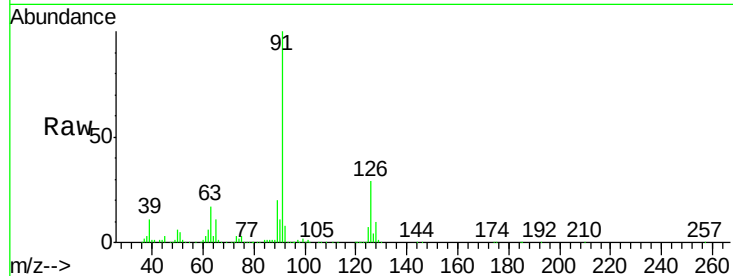
Ion Ratio Lower Upper

91 100

126 29.6 12.0 47.8

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#72

4-Ethyltoluene

Concen: 9.263 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion: 105 Resp: 2924822

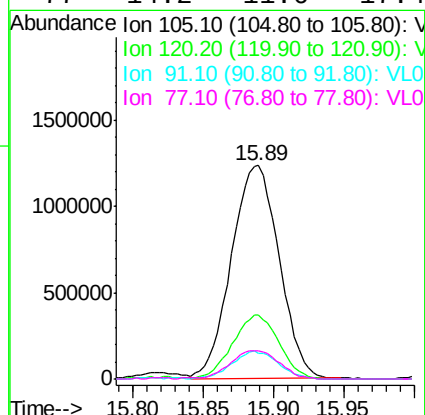
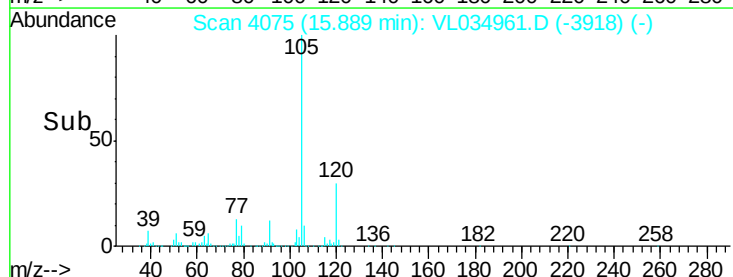
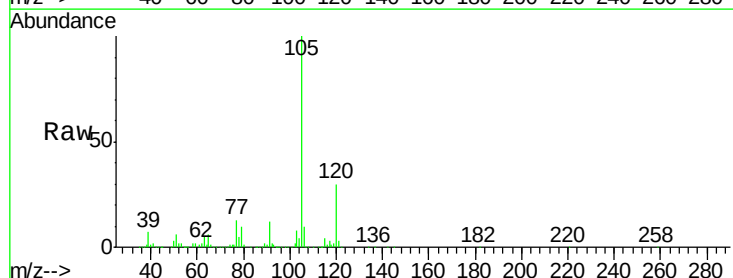
Ion Ratio Lower Upper

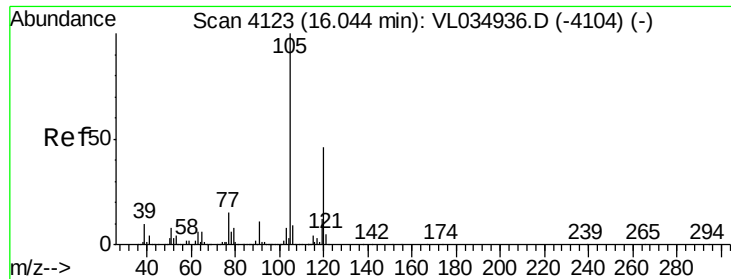
105 100

120 30.0 23.8 35.8

91 13.2 10.6 15.8

77 14.2 11.6 17.4





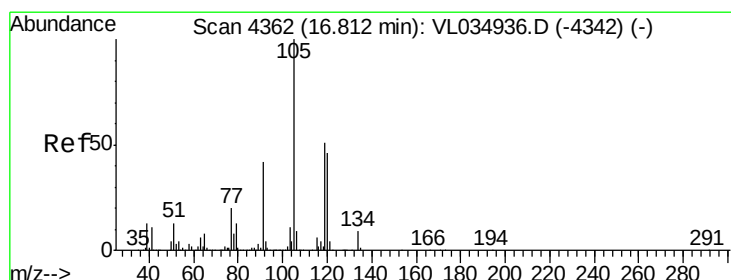
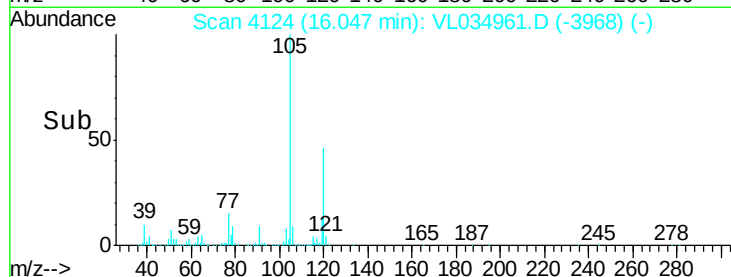
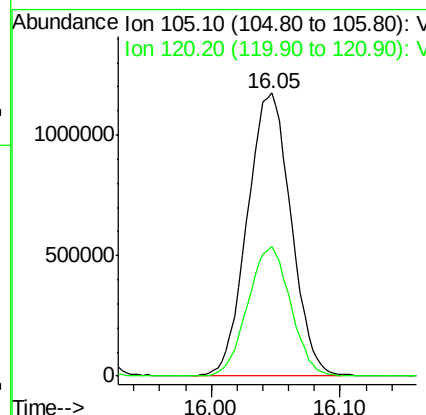
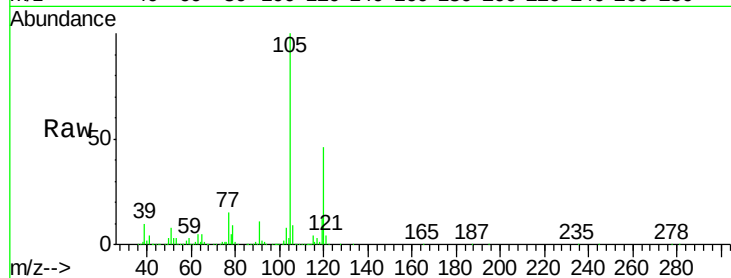
#73
 1,3,5-Trimethylbenzene
 Concen: 8.994 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2763591
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.4 54.6

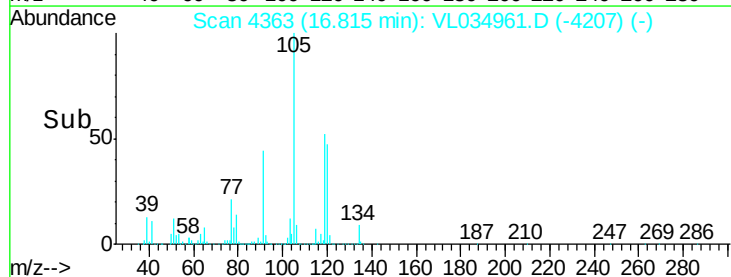
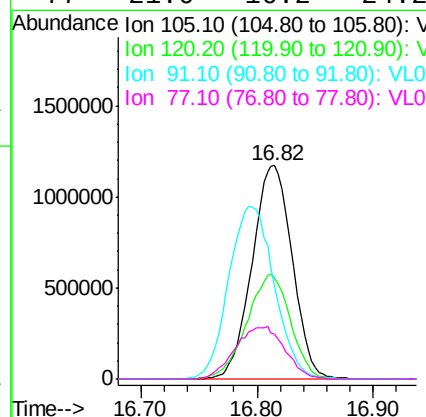
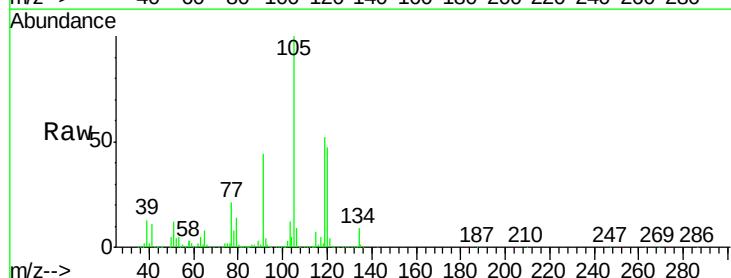
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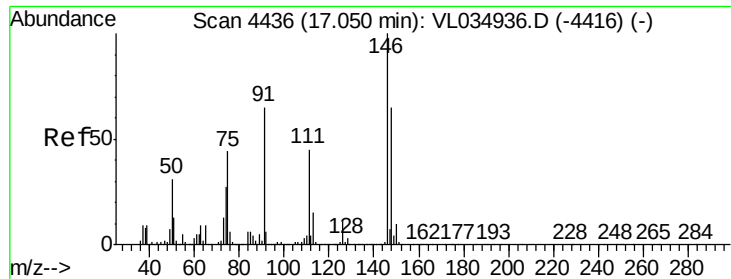
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.418 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:105 Resp: 2823413
 Ion Ratio Lower Upper
 105 100
 120 47.3 36.8 55.2
 91 43.4 35.4 53.0
 77 21.0 16.2 24.2





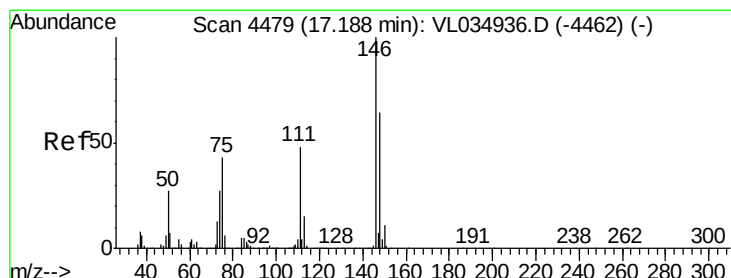
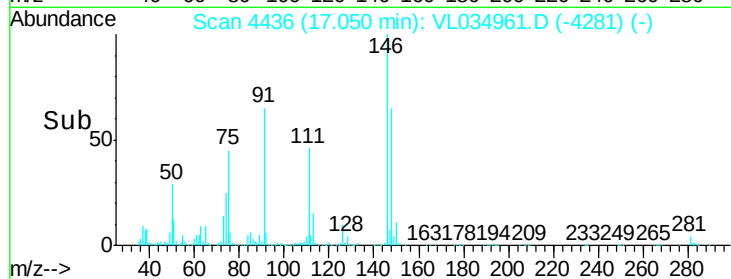
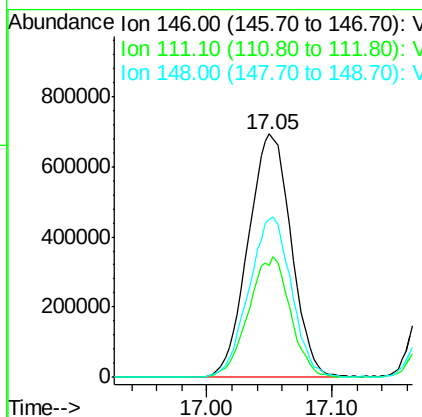
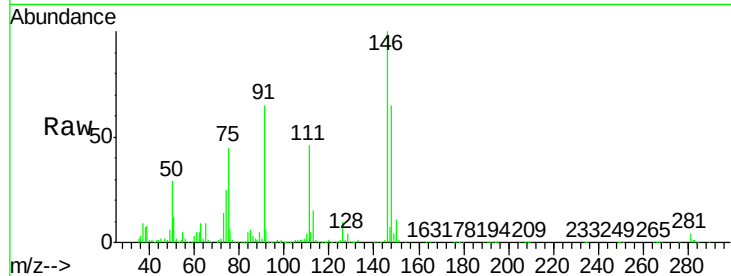
#75
 1,3-Dichlorobenzene
 Concen: 8.386 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. -0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1651666
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.0 72.0
 148 65.3 32.6 97.7

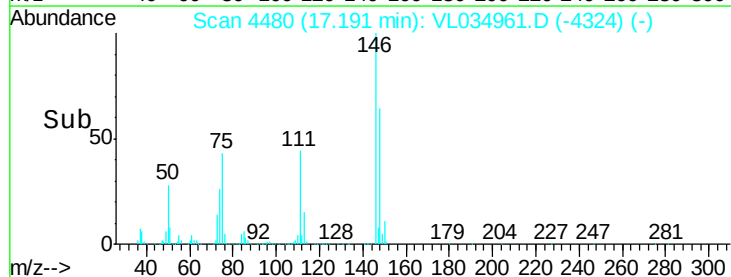
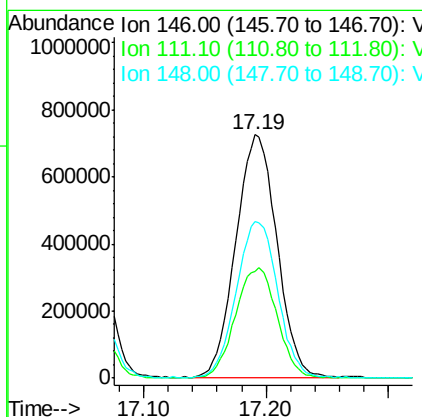
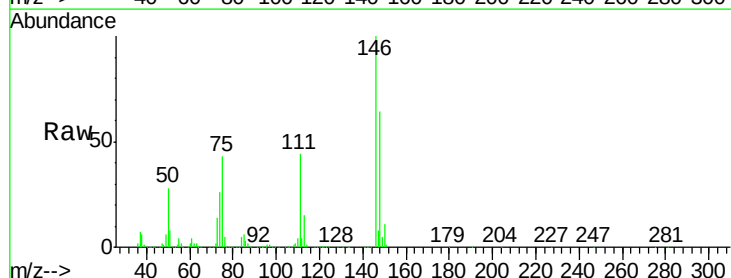
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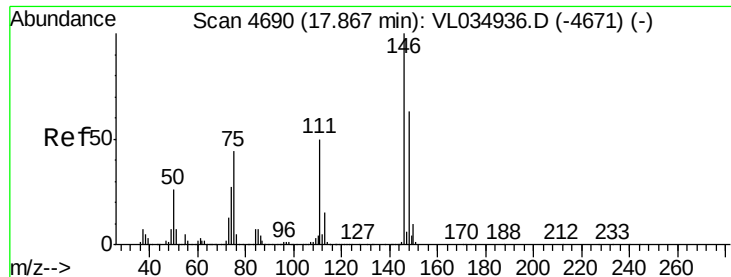
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#76
 1,4-Dichlorobenzene
 Concen: 9.008 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:146 Resp: 1685813
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.7 71.1
 148 65.3 32.6 97.8





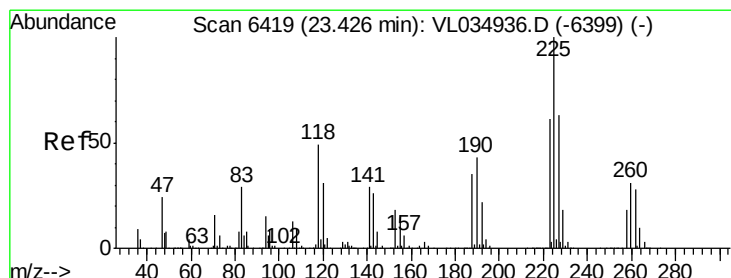
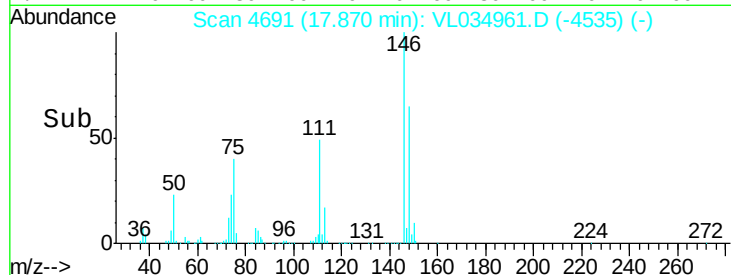
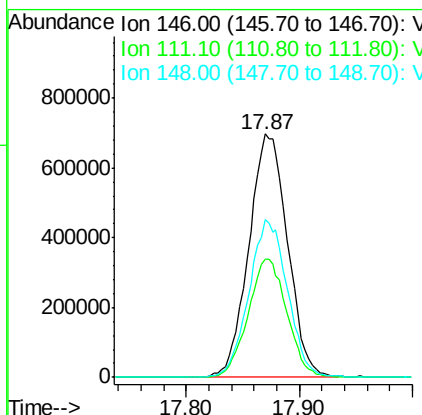
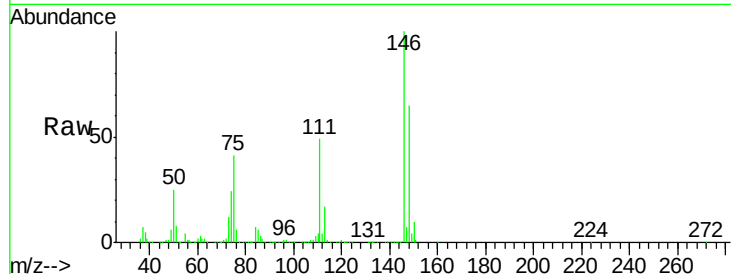
#77
 1,2-Dichlorobenzene
 Concen: 8.928 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1656697
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.5 73.5
 148 64.5 31.7 95.1

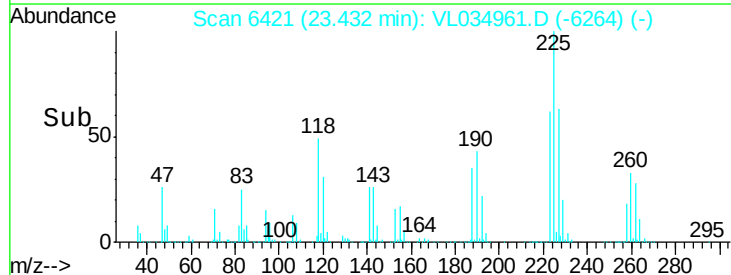
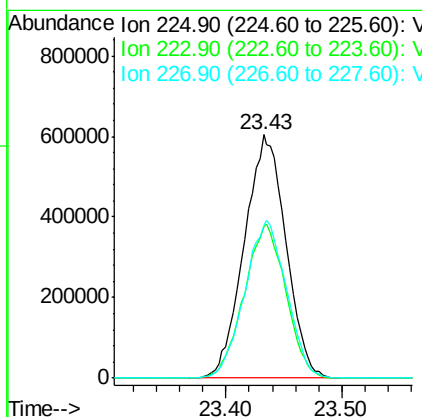
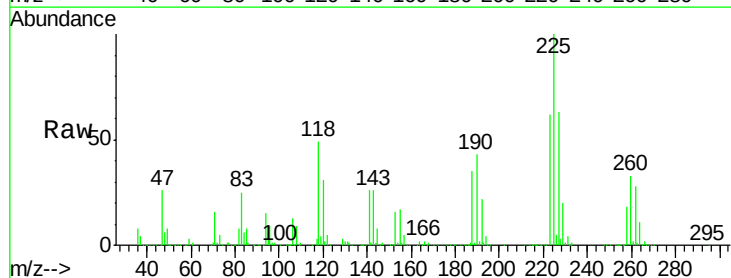
Manual Integrations
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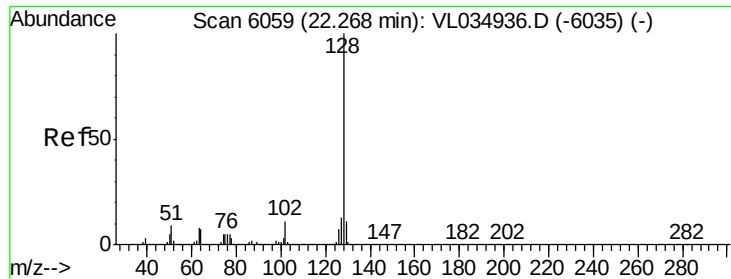
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.517 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:225 Resp: 1505509
 Ion Ratio Lower Upper
 225 100
 223 63.1 49.8 74.8
 227 64.9 51.8 77.6





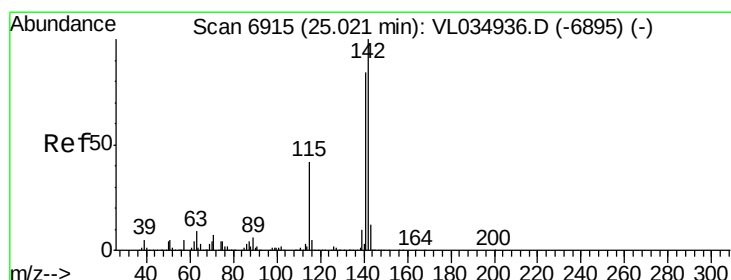
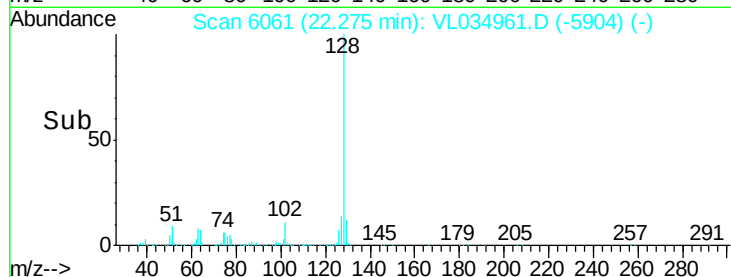
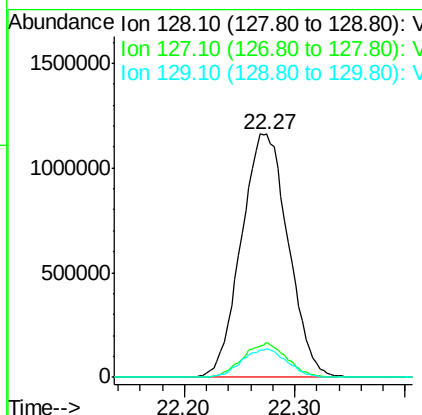
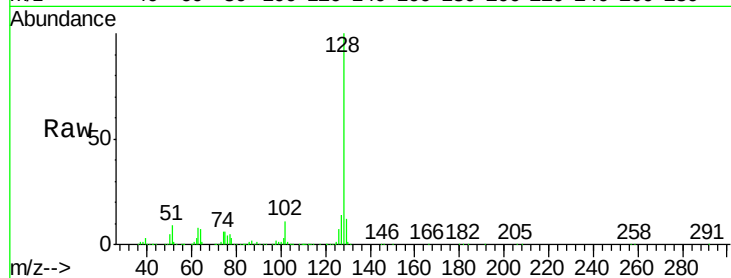
#79
Naphthalene
Concen: 13.087 ppbv
RT: 22.27 min Scan# 6061
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.6	9.0	13.4

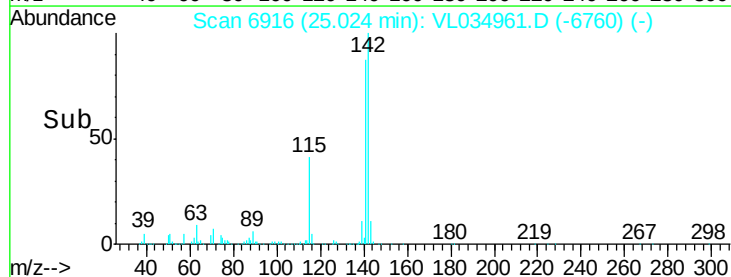
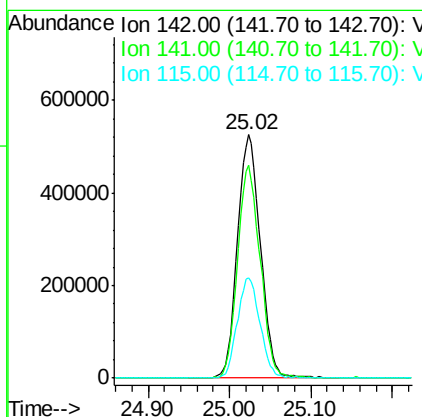
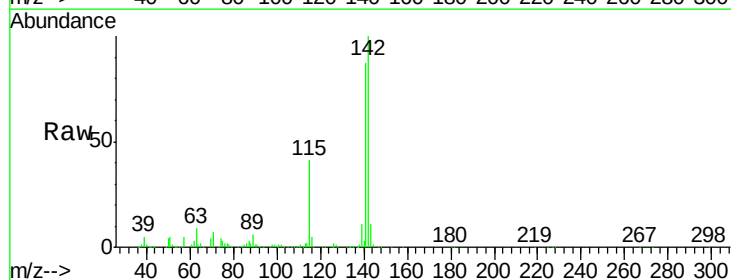
Manual Integrations
APPROVED

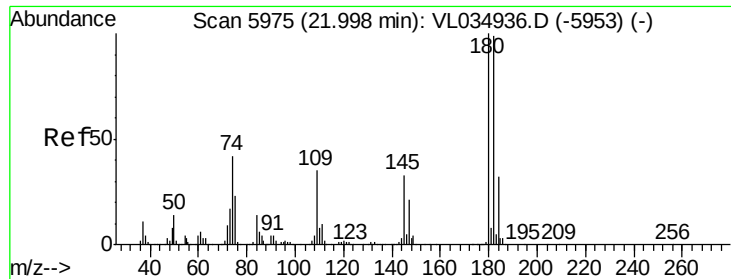
MMDadoda
5/7/2020 2:32:47 PM



#80
Naphthalene, 2-methyl-
Concen: 16.005 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	68.6	102.8
115	40.8	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 11.184 ppbv
 RT: 22.00 min Scan# 5977
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.5	116.3
184	30.8	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:32:47 PM

