

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034963.D
 Acq On : 7 May 2020 10:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:26 PM

Quant Time: May 08 03:14:25 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	5.66	49	1124937	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2660131	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2692746m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2016649	9.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1190698	7.458	ppbv 99
3) Chlorodifluoromethane	2.95	51	1155295	8.995	ppbv 97
4) Chloromethane	3.11	50	670186	9.105	ppbv 98
5) Vinyl Chloride	3.22	62	635977	8.857	ppbv 98
6) Bromomethane	3.44	94	374349	8.732	ppbv 93
7) Chloroethane	3.53	64	232527	9.017	ppbv 90
8) Dichlorotetrafluoroethane	3.15	85	1398640	8.465	ppbv 98
9) Propene	2.97	41	559828	10.045	ppbv 99
10) Heptane	8.14	43	1442000	10.328	ppbv 96
11) Trichlorofluoromethane	3.93	101	1388567	8.435	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	989923	8.445	ppbv 96
13) Ethanol	3.58	45	143316	7.793	ppbv 99
14) Bromoethene	3.71	108	448371	9.256	ppbv 98
15) Acetone	3.82	43	1143209	7.687	ppbv 98
16) 1,3-Butadiene	3.29	39	602724	9.417	ppbv 98
17) tert-Butyl alcohol	4.27	59	1180260	8.920	ppbv 99
18) 1,1-Dichloroethene	4.27	96	461641	9.078	ppbv 96
19) Isopropyl Alcohol	3.94	45	857552	8.646	ppbv 100
20) Methylene Chloride	4.32	84	400503	8.135	ppbv 96
21) Allyl Chloride	4.39	41	806294	9.598	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	452556	8.984	ppbv 97
23) Vinyl Acetate	5.06	43	1928494	10.226	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1290930	8.887	ppbv 99
25) Ethyl Acetate	5.67	43	2388538	9.561	ppbv 99
26) Hexane	5.68	57	1042781	9.628	ppbv 99
27) Carbon Disulfide	4.53	76	1149047	9.002	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1570671	9.523	ppbv 98
29) Chloroform	5.75	83	1556296	8.783	ppbv 97
30) Cyclohexane	7.14	84	894685	10.705	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1056133	9.995	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1475097	9.218	ppbv 100
34) 2-Butanone	5.24	43	1627065	9.841	ppbv 99
35) Carbon Tetrachloride	7.03	117	1502011	8.946	ppbv 99
36) Benzene	6.90	78	2106686	9.606	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1191343	8.806	ppbv 99
38) Trichloroethene	7.85	130	790515	9.304	ppbv 94
39) 1,2-Dichloropropane	7.63	63	832613	9.470	ppbv 97
40) 1,4-Dioxane	7.84	88	320672	8.973	ppbv 92
41) Tetrahydrofuran	6.05	42	937389	10.769	ppbv 98
42) Bromodichloromethane	7.81	83	1640740	8.992	ppbv 96
43) Methyl Methacrylate	8.03	69	955703	10.320	ppbv 97

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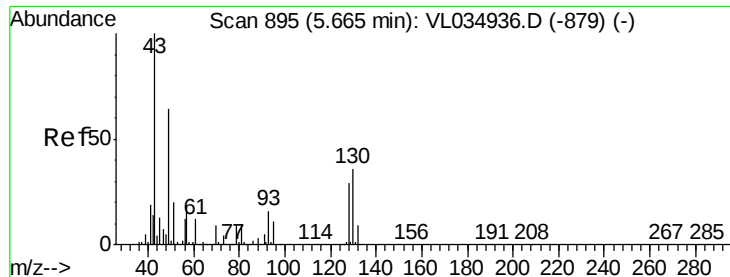
MMDadoda
 5/8/2020 5:22:26 PM

Quant Time: May 08 03:14:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	3612259	9.264	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1048111	11.215	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1248653	10.882	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	867139	9.346	ppbv	96
48) Dibromochloromethane	10.34	129	1378708	9.663	ppbv	100
49) Bromoform	13.09	173	1210913	9.864	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2355828	9.993	ppbv	98
51) 2-Hexanone	10.16	43	1954774	10.601	ppbv #	98
52) Tetrachloroethene	11.26	164	736205	9.440	ppbv	97
53) Toluene	9.83	91	2435168	10.474	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1309436	9.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	1046878	8.621	ppbv	97
57) Chlorobenzene	12.19	112	1812652	8.497	ppbv	98
58) Ethyl Benzene	12.75	91	3224535	9.684	ppbv	99
59) m/p-Xylene	13.04	91	5243917m	17.899	ppbv	
60) o-Xylene	13.73	91	2584030	8.938	ppbv	99
61) Styrene	13.57	104	1922697	10.509	ppbv	98
62) Isopropylbenzene	14.71	105	3845205	8.909	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1795828	7.891	ppbv	100
64) n-propylbenzene	15.61	120	1014065	9.160	ppbv	99
65) tert-Butylbenzene	16.80	119	3302993	8.823	ppbv	99
66) Benzyl Chloride	17.04	91	1247493	9.816	ppbv	99
67) sec-Butylbenzene	17.35	105	4726554	8.845	ppbv	99
69) p-Isopropyltoluene	17.70	119	3887749	8.993	ppbv	99
70) n-Butylbenzene	18.60	91	4077435	8.861	ppbv	99
71) 2-Chlorotoluene	15.50	91	3001224	9.212	ppbv	99
72) 4-Ethyltoluene	15.89	105	3059473	9.486	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2841760	9.054	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2910973	8.496	ppbv	95
75) 1,3-Dichlorobenzene	17.05	146	1659673	8.250	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1688435	8.833	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1591841	8.398	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1379257	8.536	ppbv	100
79) Naphthalene	22.27	128	2987478	11.197	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1364870	20.811	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1580569	9.769	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1124937

Ion Ratio Lower Upper

49 100

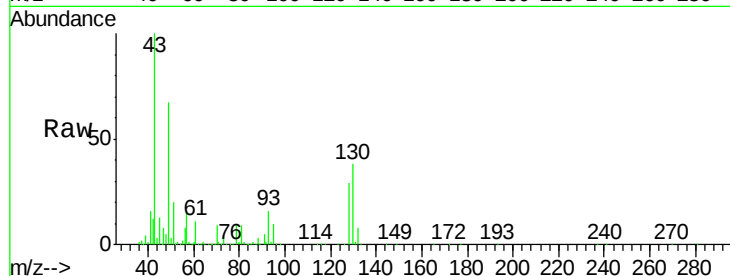
128 44.8 22.1 66.5

130 57.3 29.1 87.3

Manual Integrations
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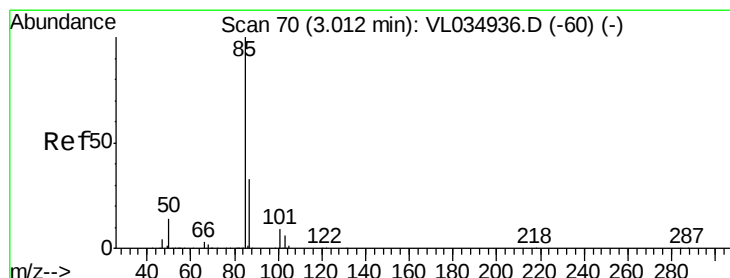
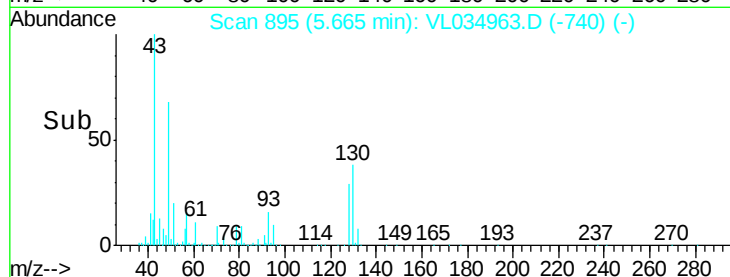
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 7.458 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034963.D

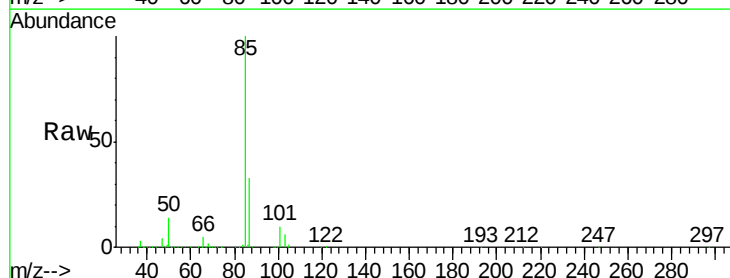
Acq: 7 May 2020 10:53

Tgt Ion: 85 Resp: 1190698

Ion Ratio Lower Upper

85 100

87 33.4 26.2 39.2

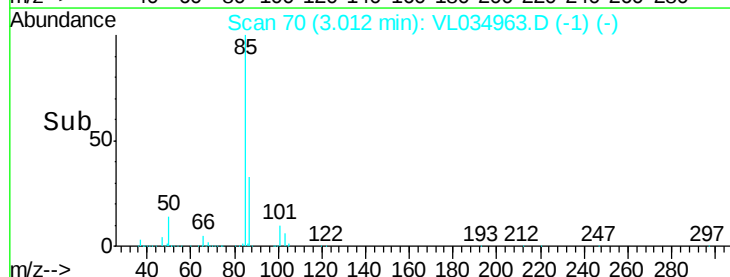


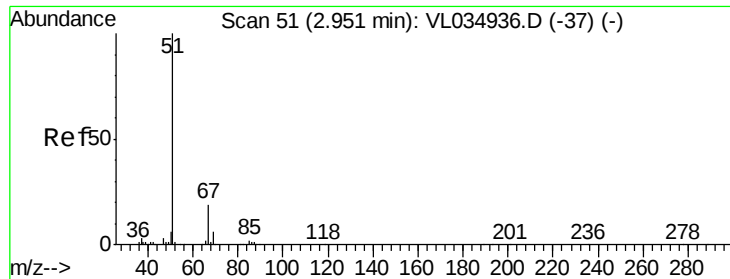
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->





#3

Chlorodifluoromethane

Concen: 8.995 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tot Ion: 51 Resp: 1155295

Ion Ratio Lower Upper

51 100

67 17.5 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

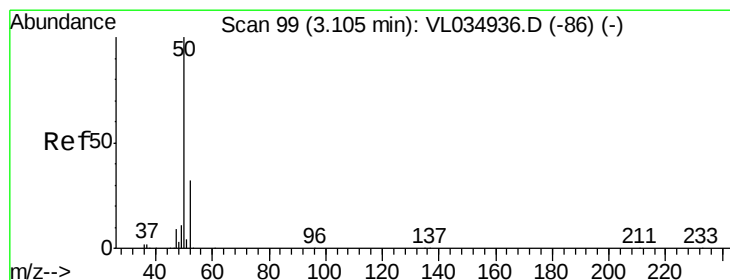
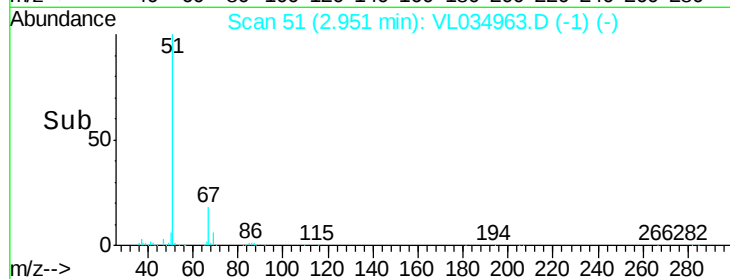
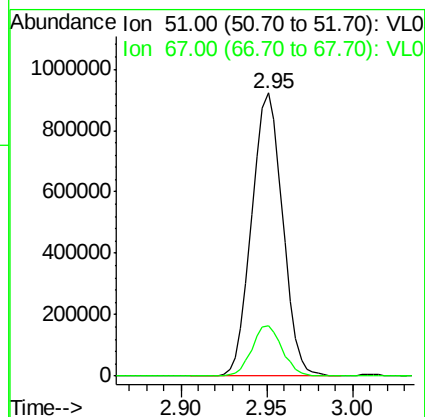
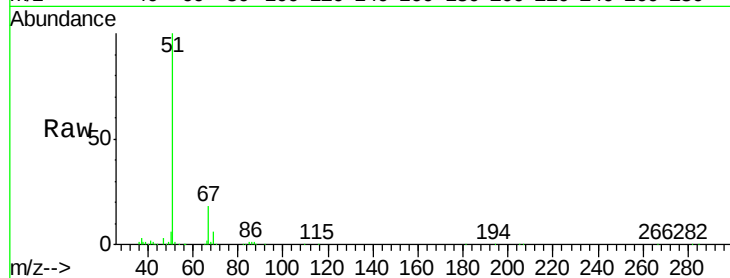
VSTDCCC010

Manual Integrations

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#4

Chloromethane

Concen: 9.105 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034963.D

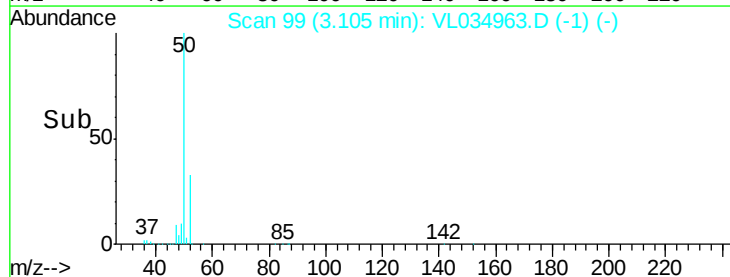
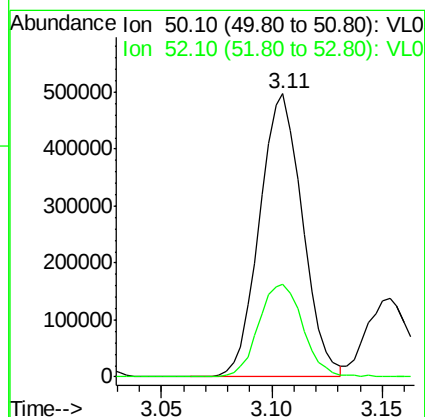
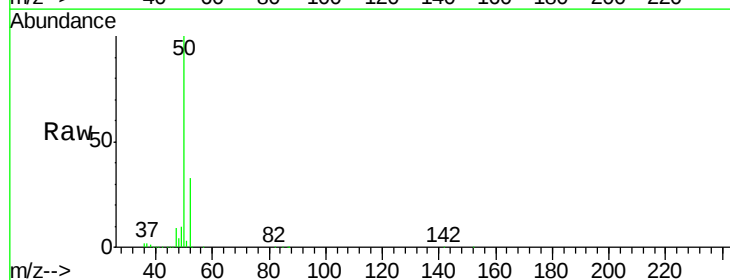
Acq: 7 May 2020 10:53

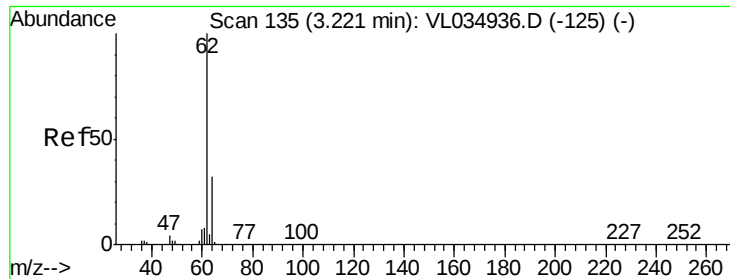
Tgt Ion: 50 Resp: 670186

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2





#5

Vinyl Chloride

Concen: 8.857 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 635977

Ion Ratio Lower Upper

62 100

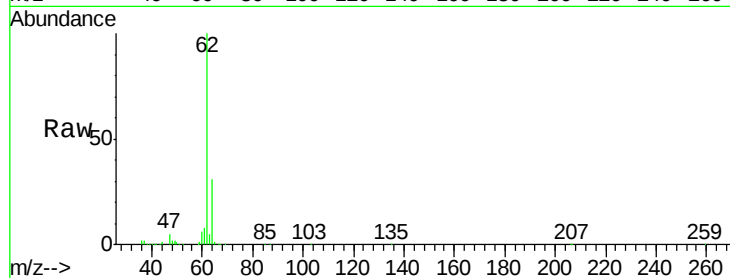
64 31.2 25.7 38.5

Manual Integrations

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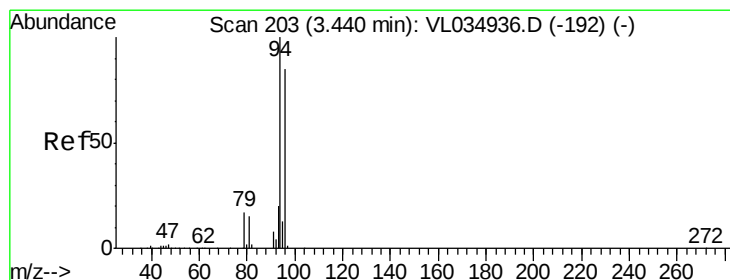
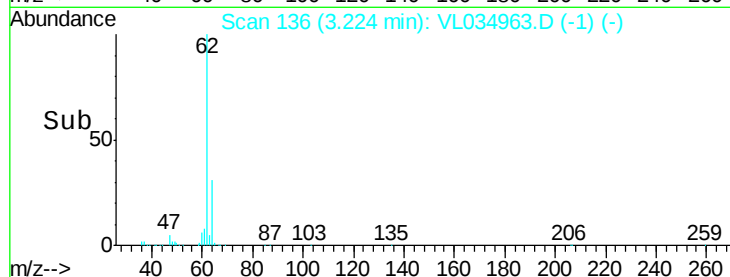
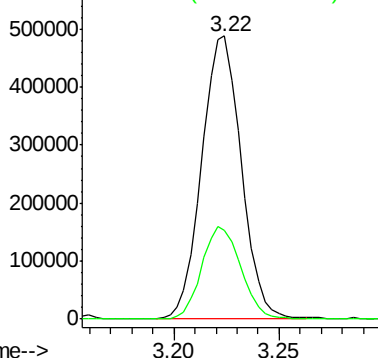
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.732 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034963.D

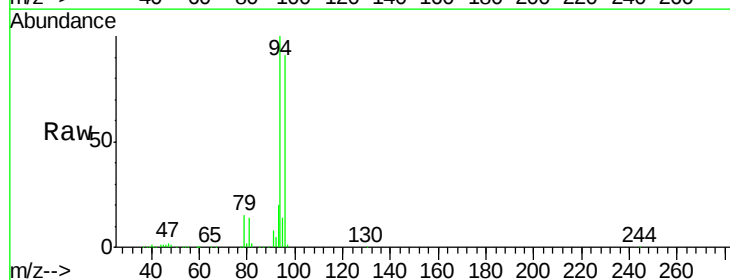
Acq: 7 May 2020 10:53

Tgt Ion: 94 Resp: 374349

Ion Ratio Lower Upper

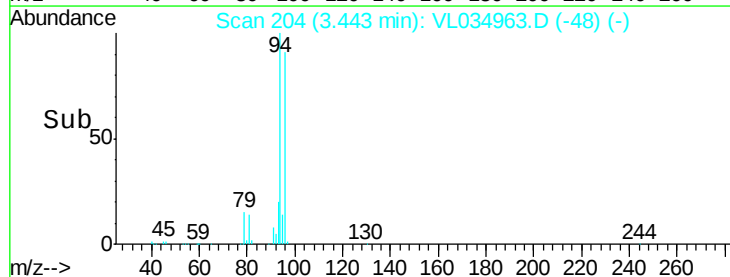
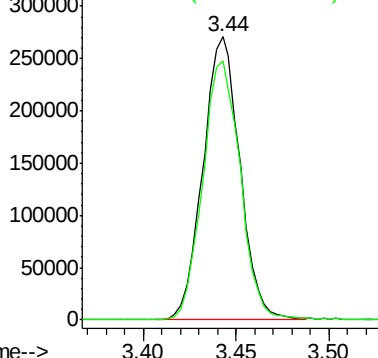
94 100

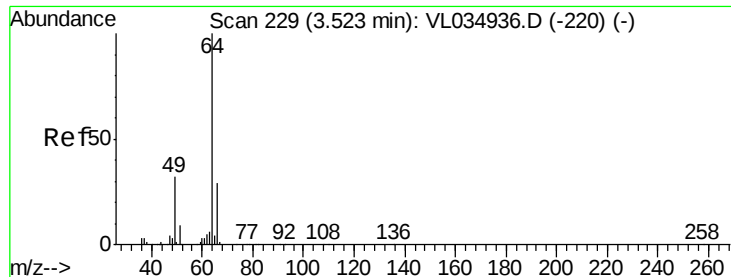
96 91.2 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.017 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 232527

Ion Ratio Lower Upper

64 100

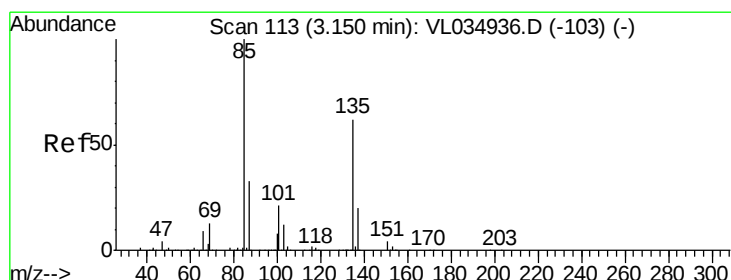
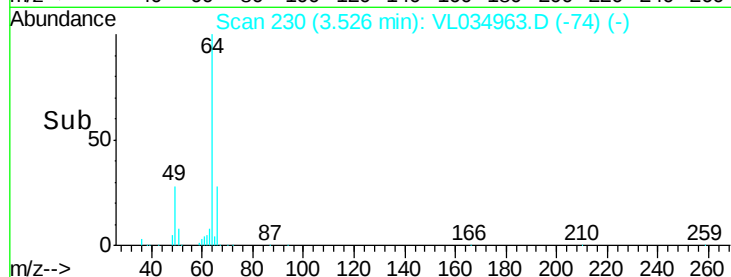
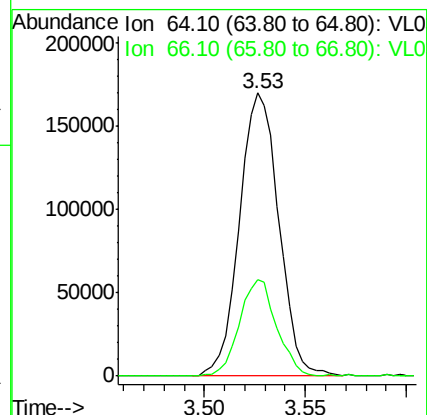
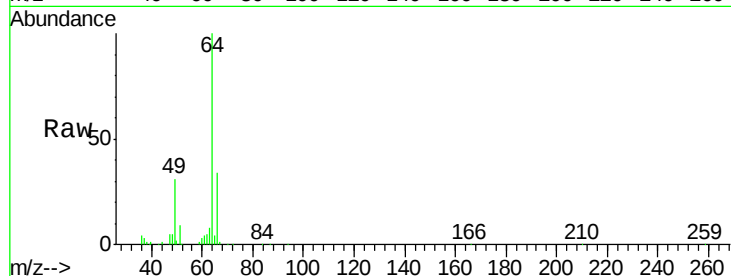
66 34.2 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.465 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034963.D

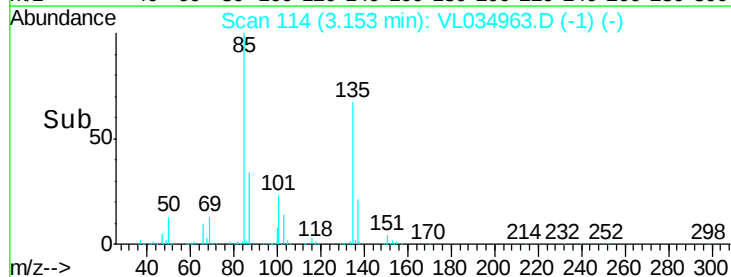
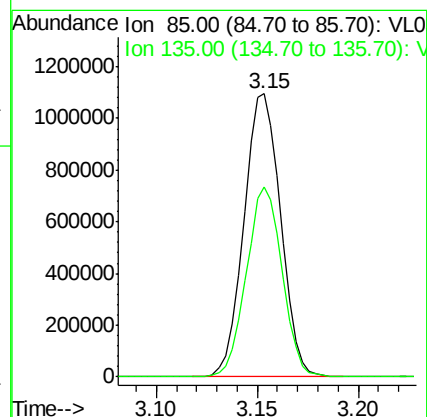
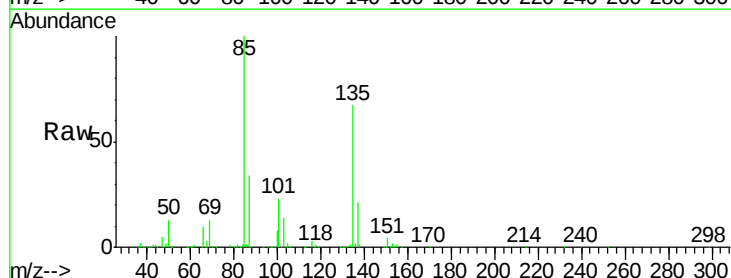
Acq: 7 May 2020 10:53

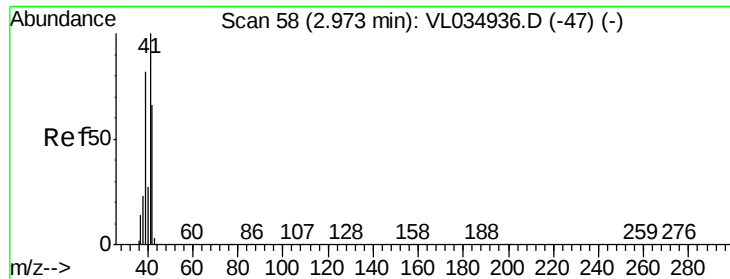
Tgt Ion: 85 Resp: 1398640

Ion Ratio Lower Upper

85 100

135 65.4 50.9 76.3





#9

Propene

Concen: 10.045 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 559828

Ion Ratio Lower Upper

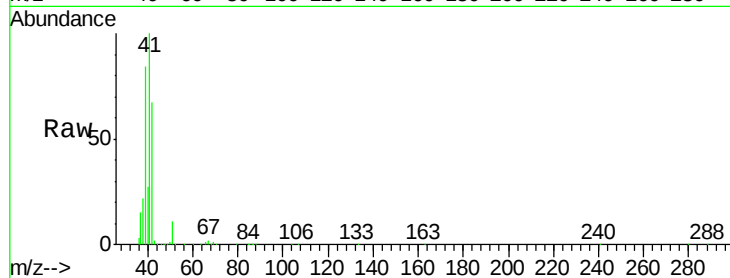
41 100

42 68.6 54.5 81.7

Manual Integrations
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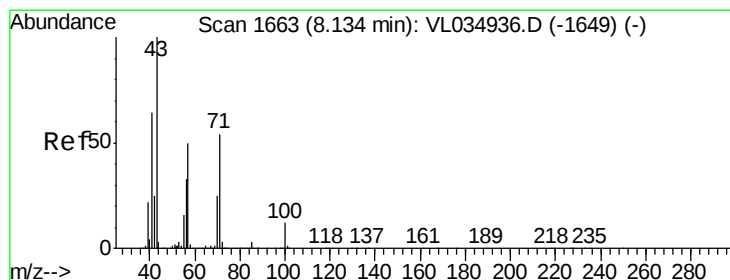
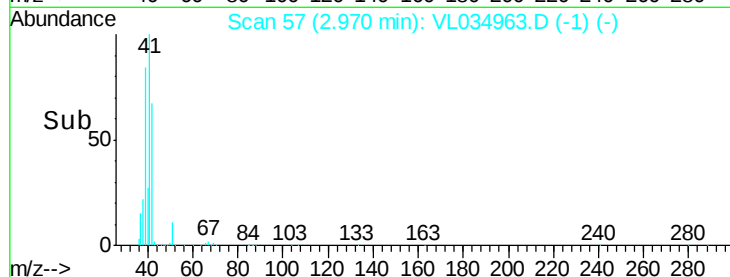
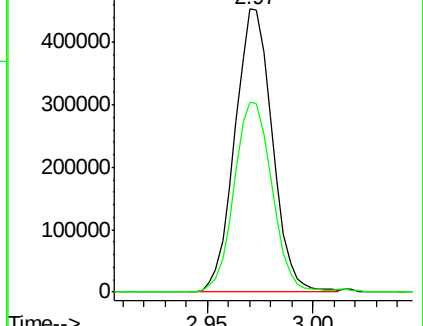
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.328 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034963.D

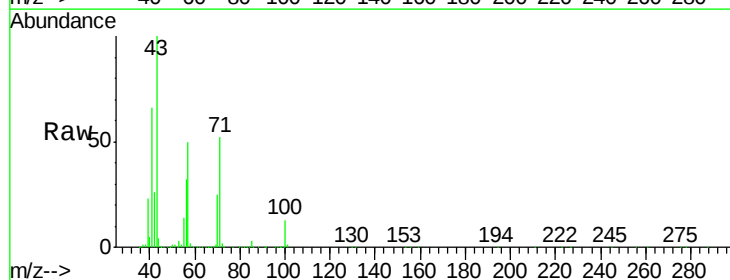
Acq: 7 May 2020 10:53

Tgt Ion: 43 Resp: 1442000

Ion Ratio Lower Upper

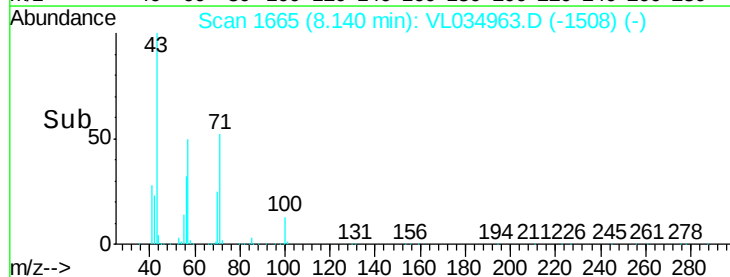
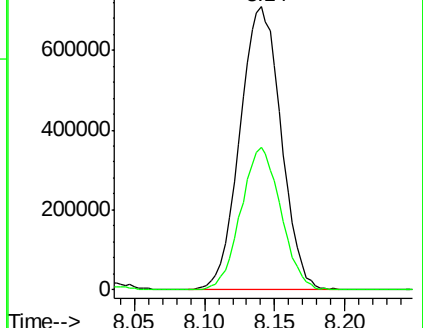
43 100

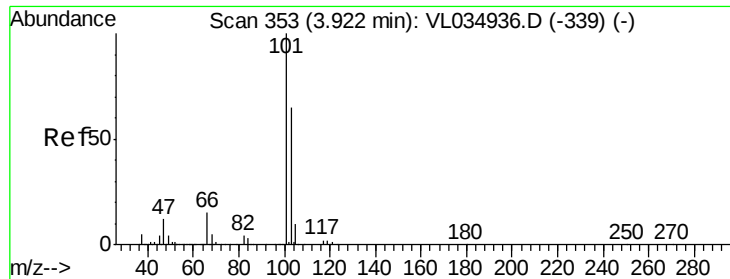
57 48.9 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





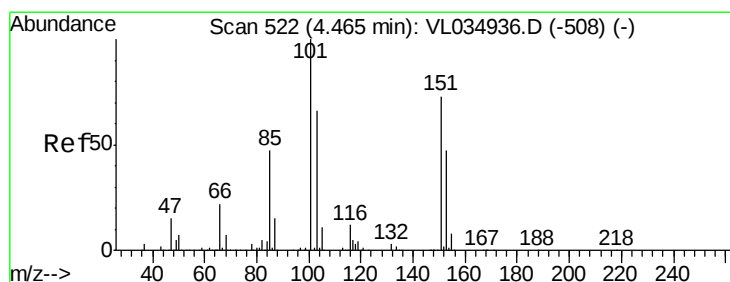
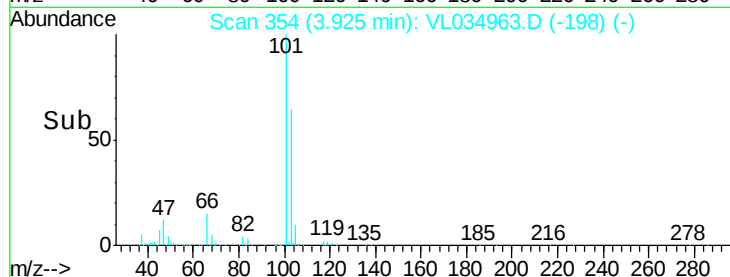
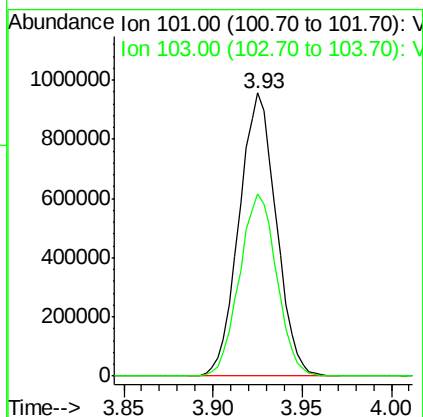
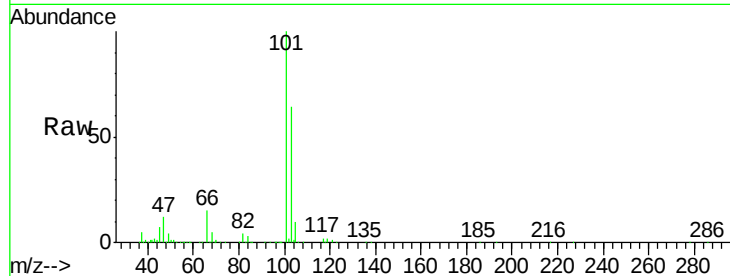
#11
 Trichlorofluoromethane
 Concen: 8.435 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1388567
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9

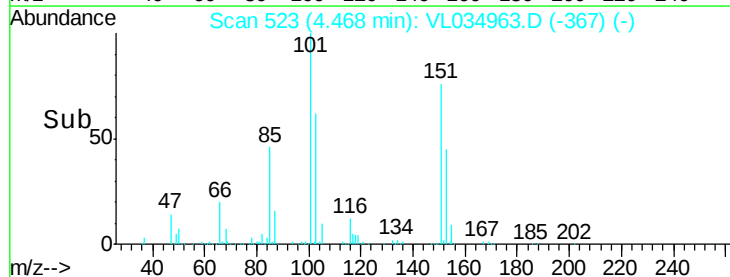
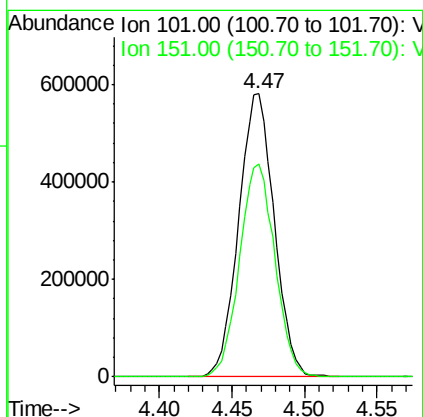
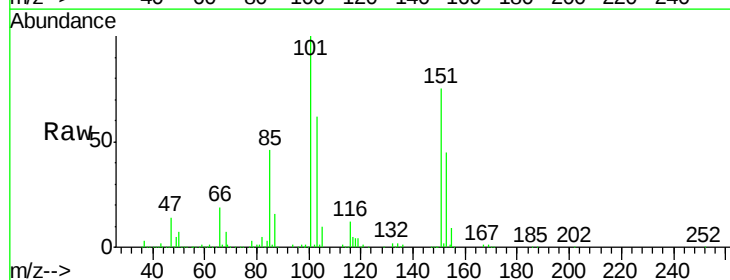
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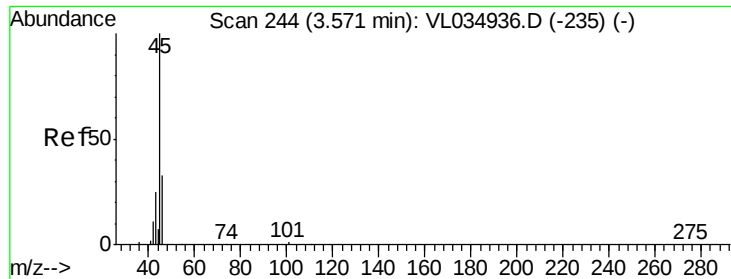
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.445 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion:101 Resp: 989923
 Ion Ratio Lower Upper
 101 100
 151 75.0 57.6 86.4





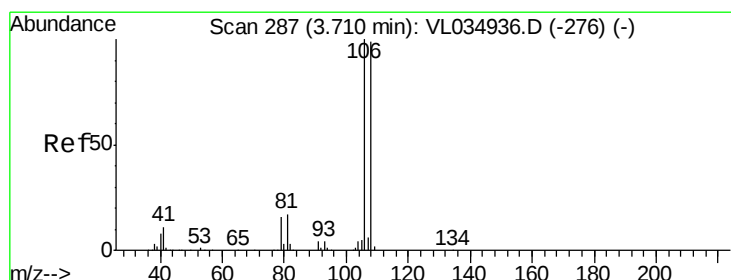
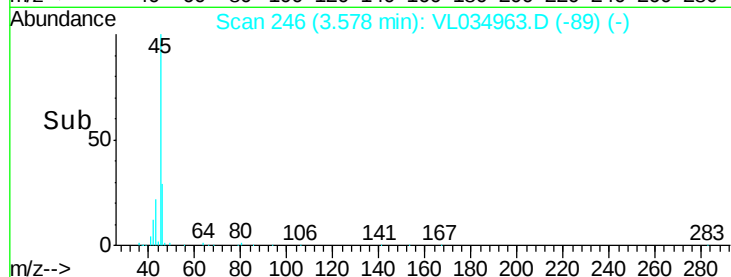
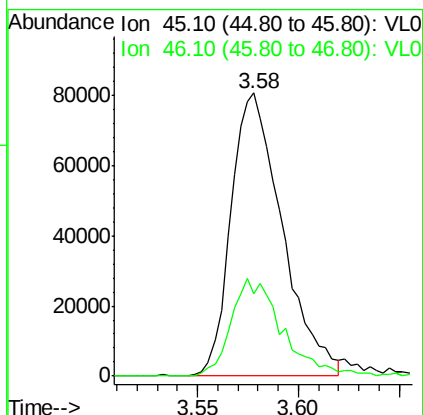
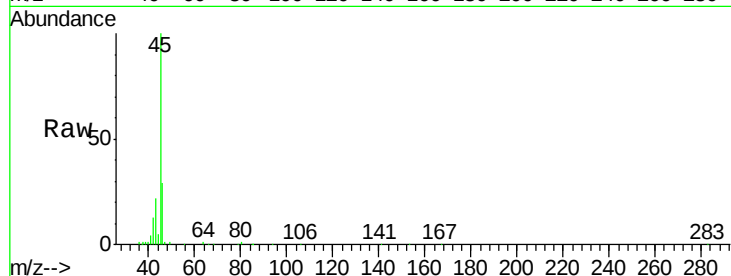
#13
Ethanol
Concen: 7.793 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	34.9	14.3	57.3

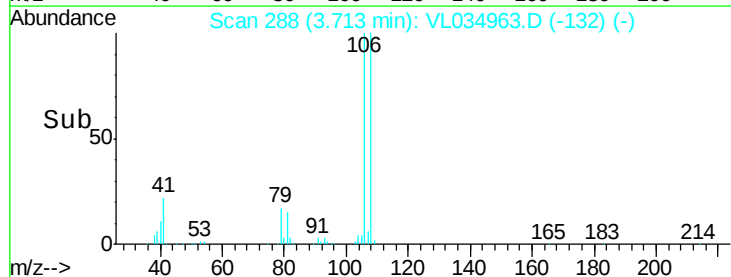
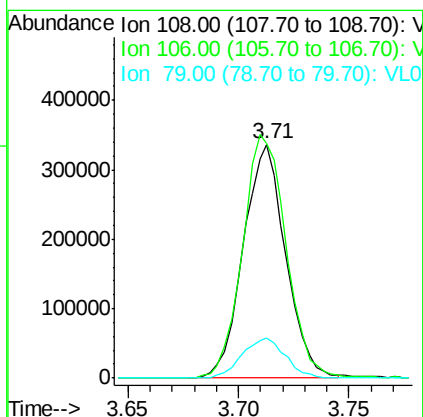
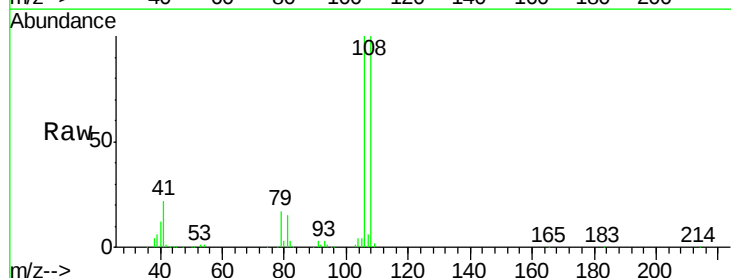
Manual Integrations
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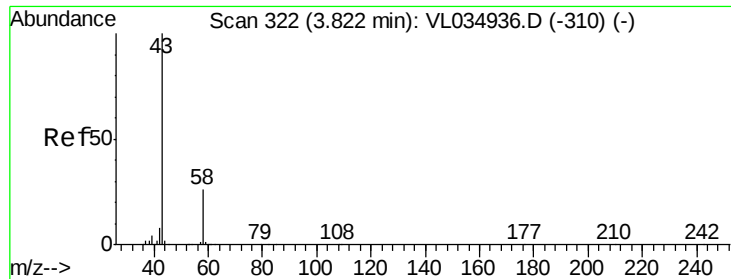
MMDadoda
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#14
Bromoethene
Concen: 9.256 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.3	84.9	127.3
79	17.9	14.1	21.1





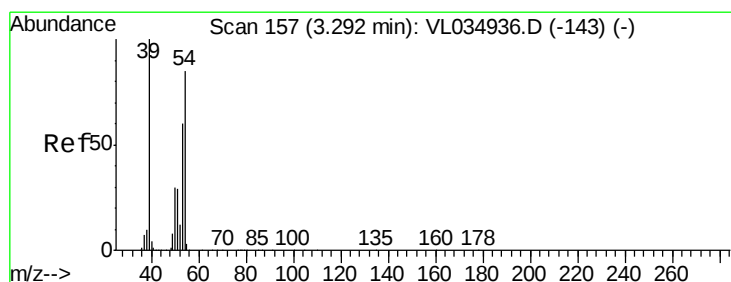
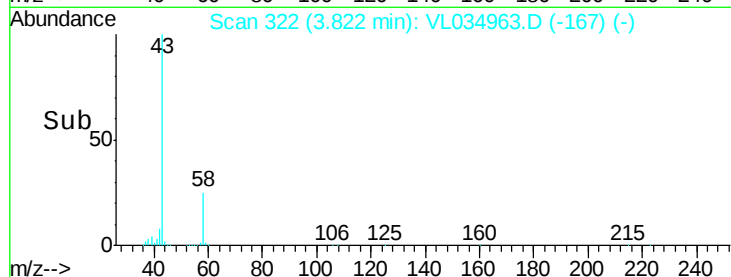
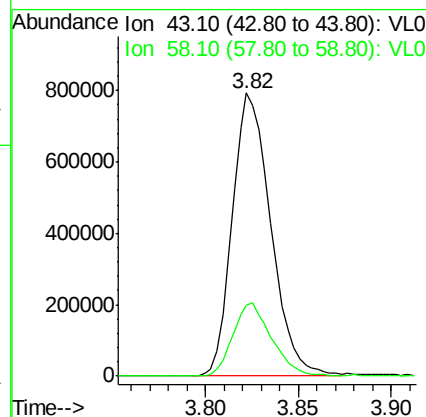
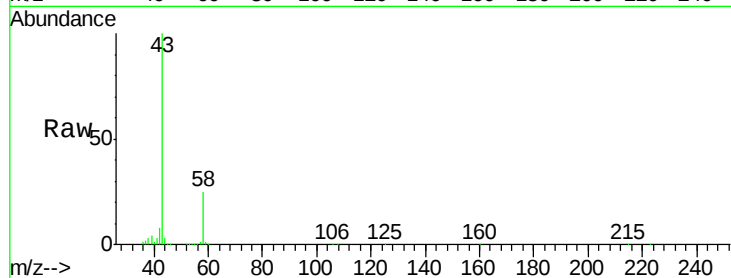
#15
Acetone
Concen: 7.687 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1143209
Ion Ratio Lower Upper
43 100
58 26.2 21.7 32.5

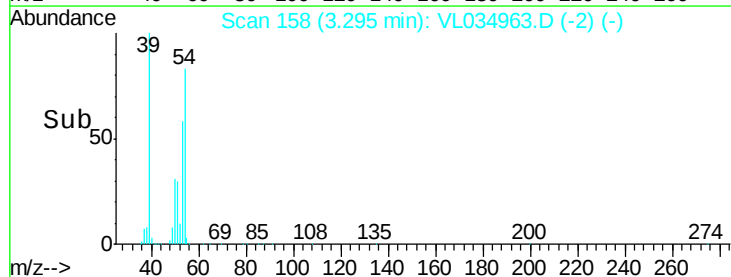
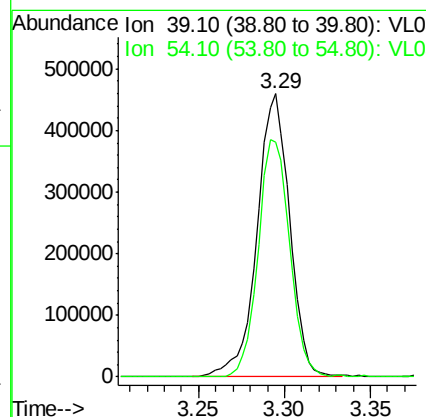
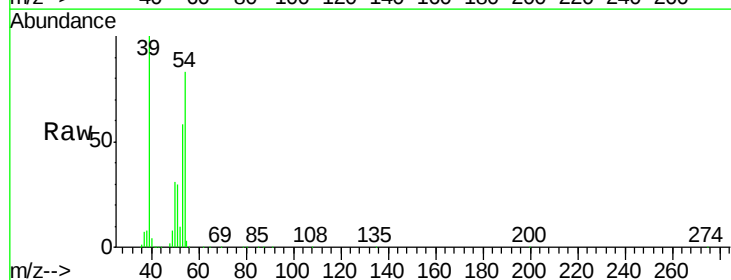
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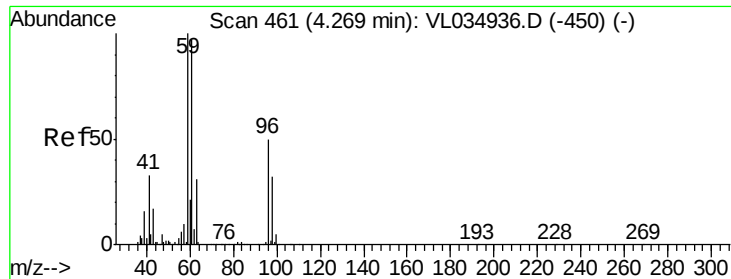
MMDadoda
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#16
1,3-Butadiene
Concen: 9.417 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 39 Resp: 602724
Ion Ratio Lower Upper
39 100
54 81.4 66.6 100.0





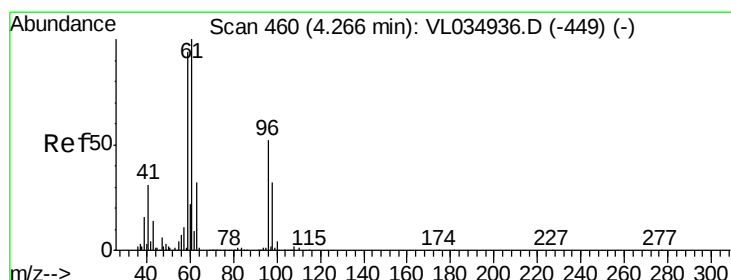
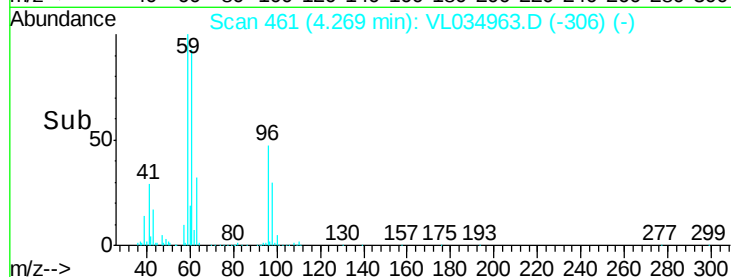
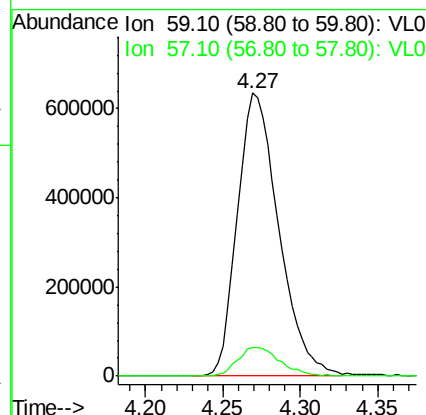
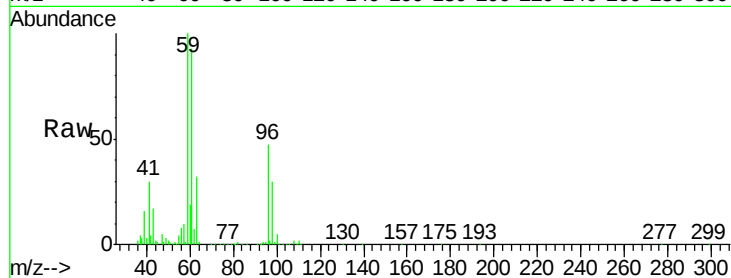
#17
tert-Butyl alcohol
Concen: 8.920 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1180260
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

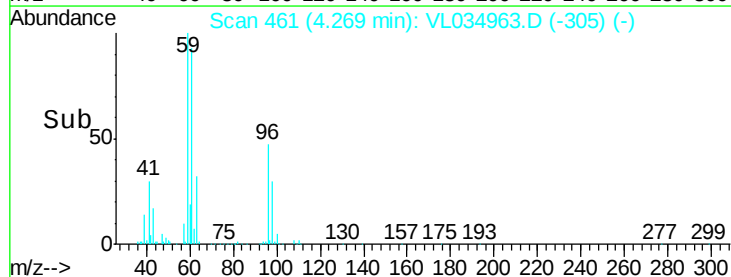
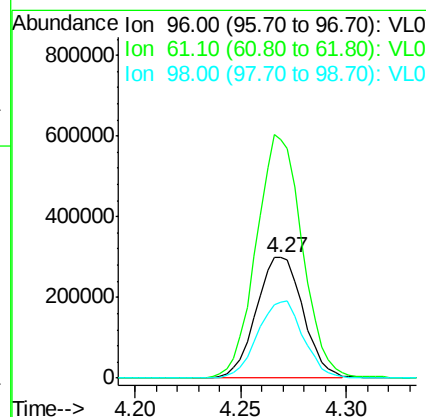
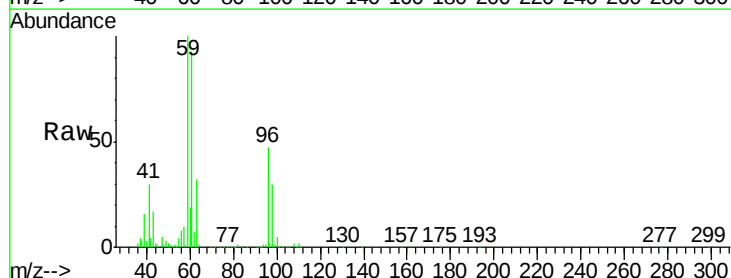
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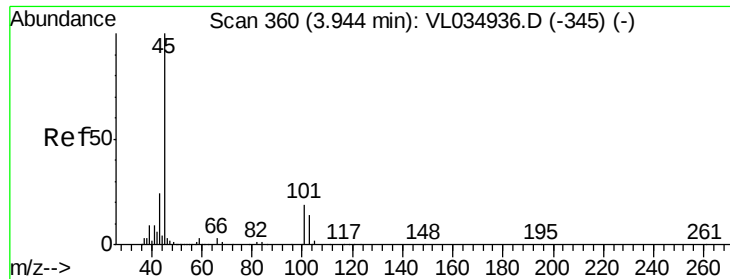
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#18
1,1-Dichloroethene
Concen: 9.078 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 96 Resp: 461641
Ion Ratio Lower Upper
96 100
61 197.7 152.4 228.6
98 62.9 48.8 73.2





#19

Isopropyl Alcohol

Concen: 8.646 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tot Ion: 45 Resp: 857552

Ion Ratio Lower Upper

45 100

58 1.9 1.7 2.5

Instrument :

MSVOA_L

ClientSampleId :

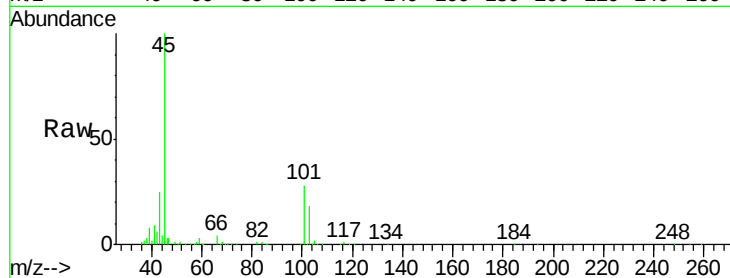
VSTDCCC010

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

500000

400000

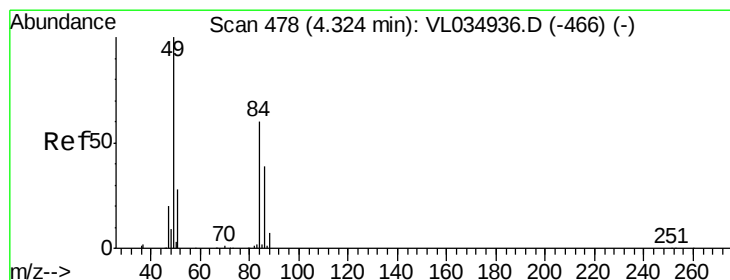
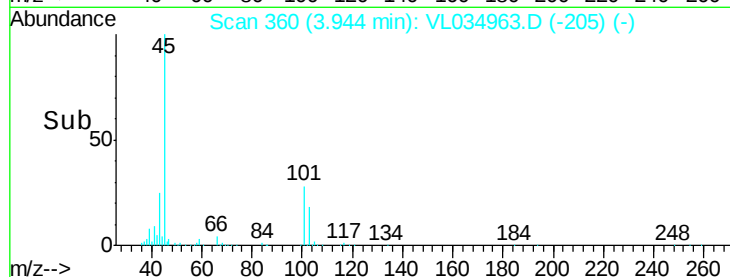
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.135 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tgt Ion: 84 Resp: 400503

Ion Ratio Lower Upper

84 100

49 158.8 132.5 198.7

51 46.9 38.4 57.6

86 62.4 51.2 76.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

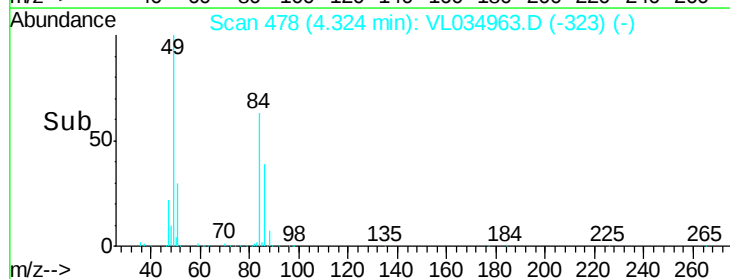
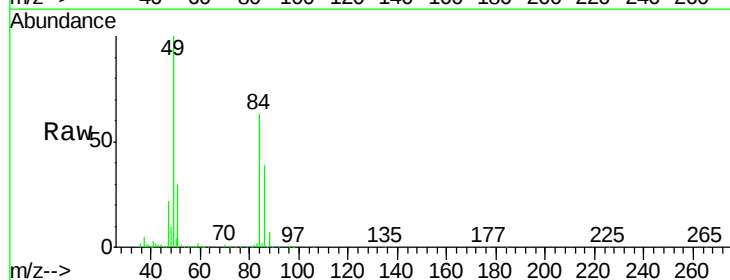
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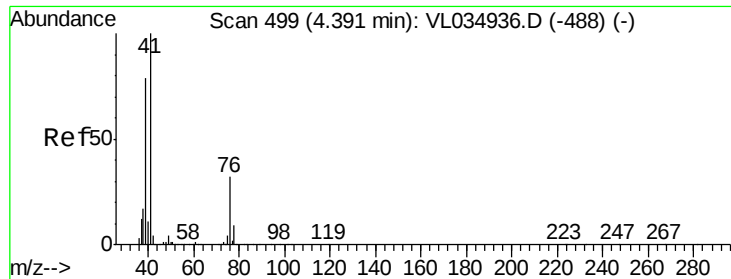
200000

100000

0

Time-->





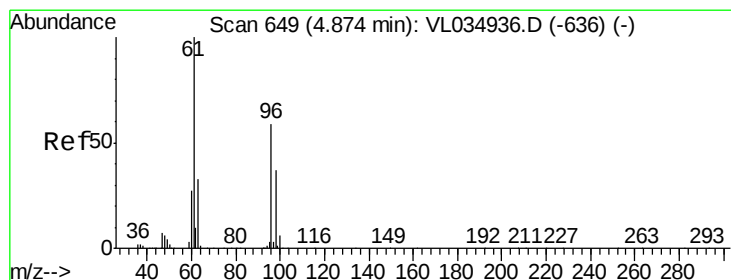
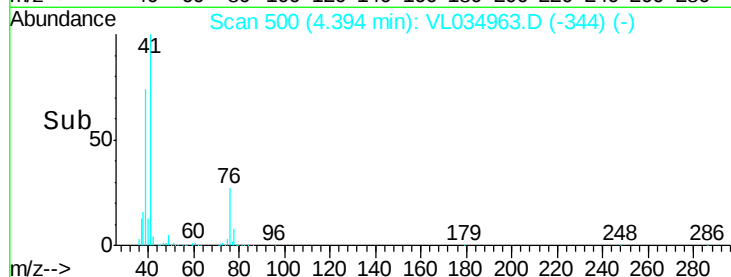
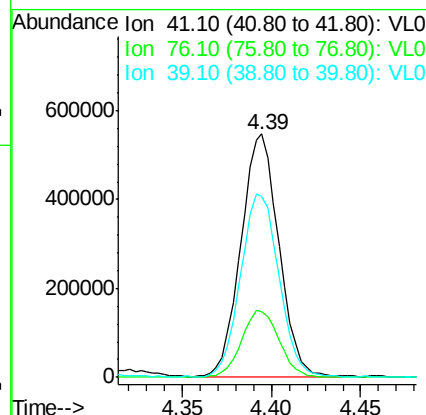
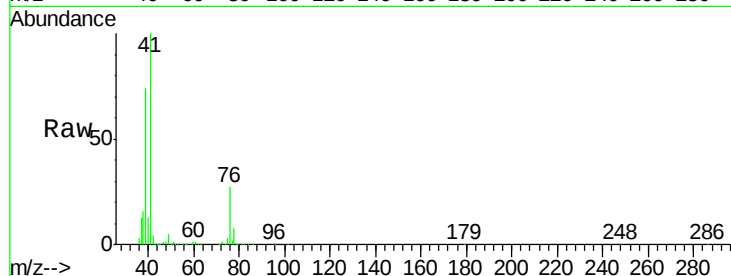
#21
Allvl Chloride
Concen: 9.598 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.7	23.6	35.4
39	77.3	61.9	92.9

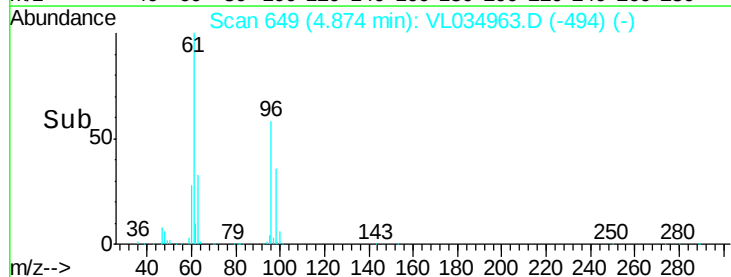
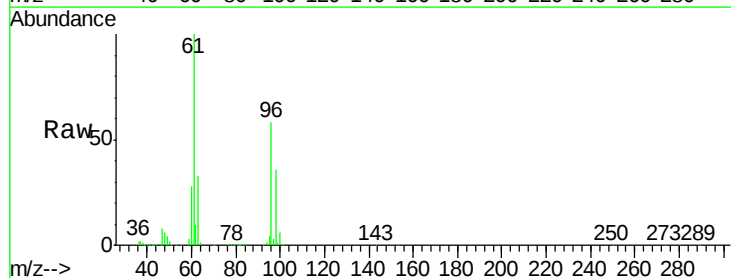
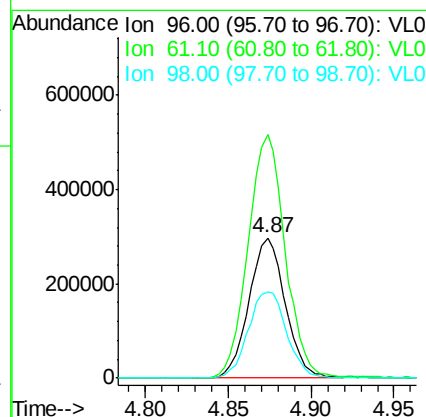
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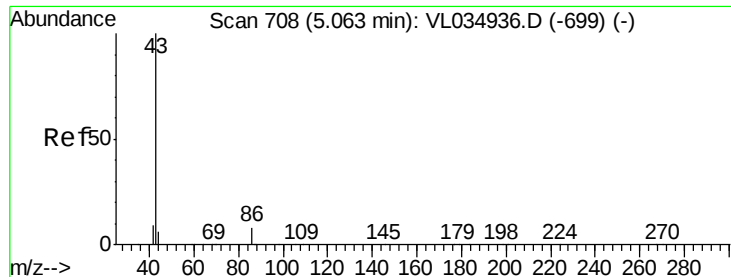
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#22
trans-1,2-Dichloroethene
Concen: 8.984 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	135.3	202.9
98	61.7	50.4	75.6





#23

Vinyl Acetate

Concen: 10.226 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1928494

Ion Ratio Lower Upper

43 100

86 7.3 5.5 8.3

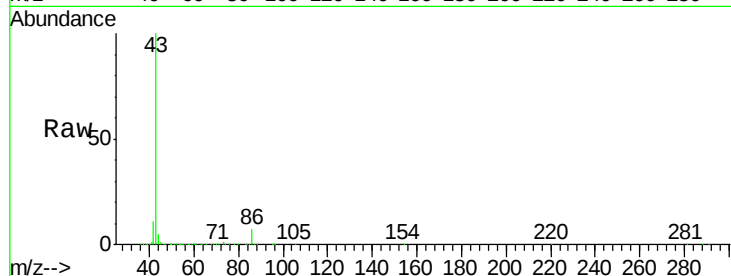
42 10.5 8.0 12.0

44 5.2 4.5 6.7

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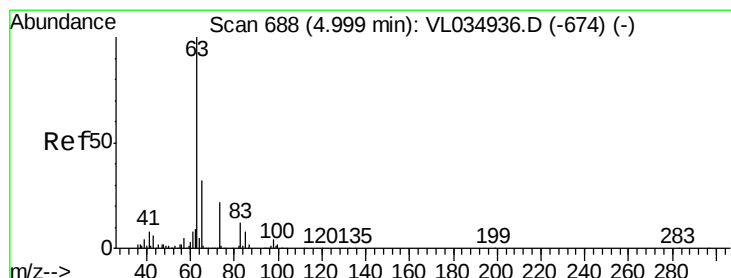
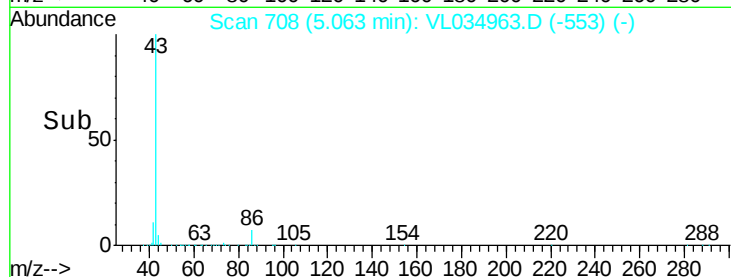
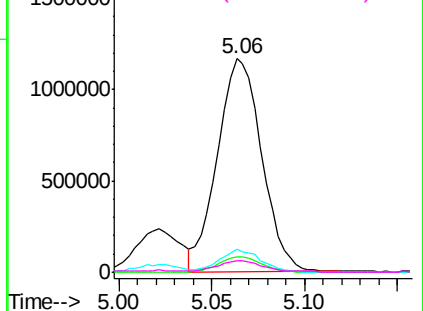


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.887 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

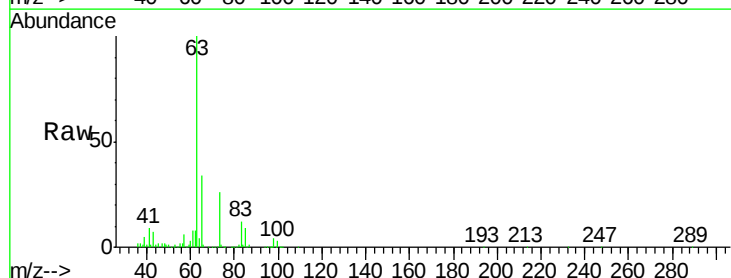
Tgt Ion: 63 Resp: 1290930

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

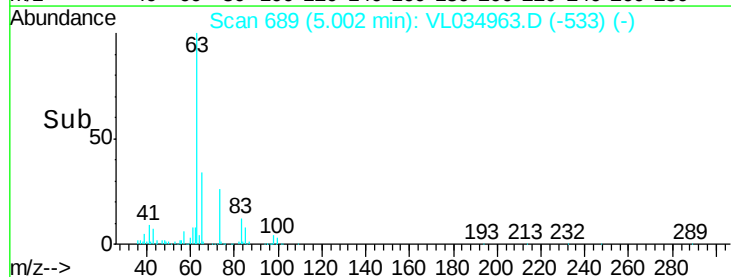
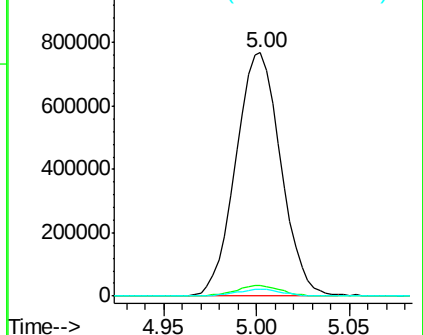
100 2.8 1.1 3.5

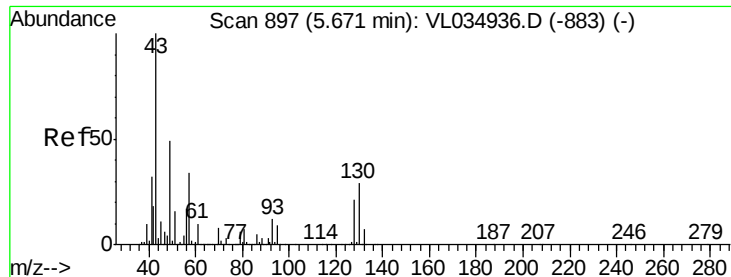


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





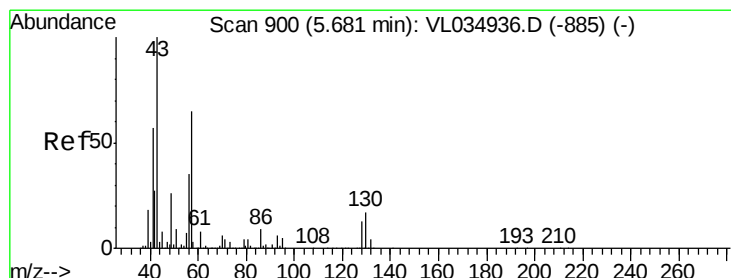
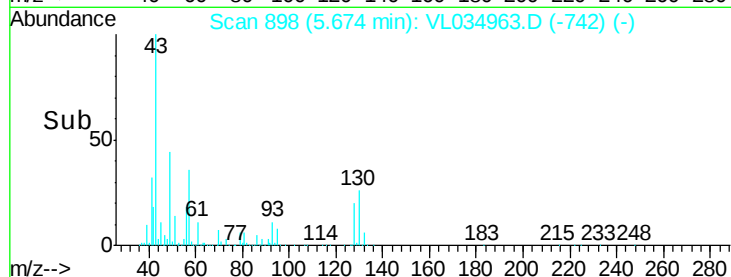
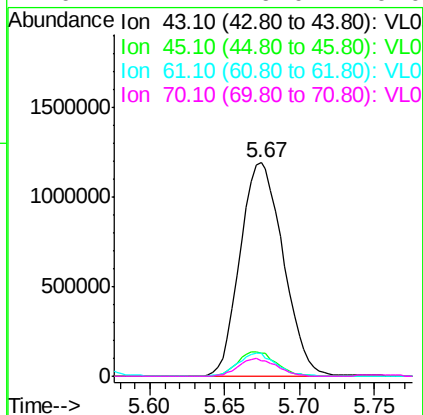
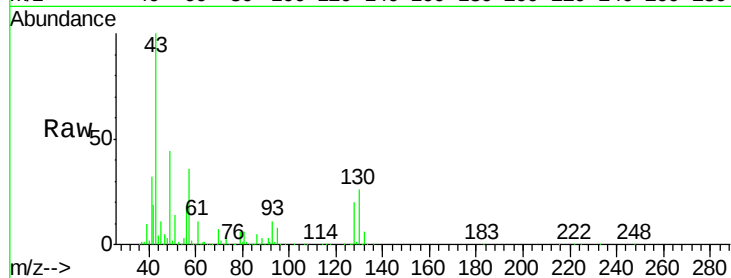
#25
Ethyl Acetate
Concen: 9.561 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.1	12.1	
61	9.6	7.8	11.8	
70	7.4	6.0	9.0	

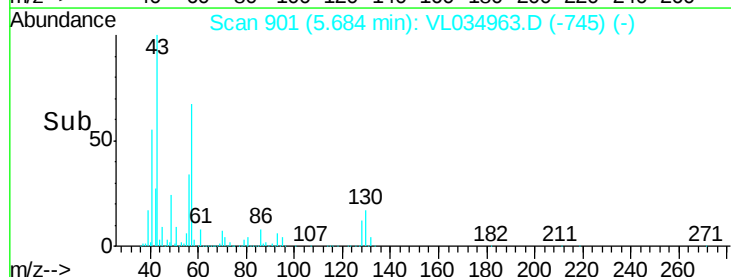
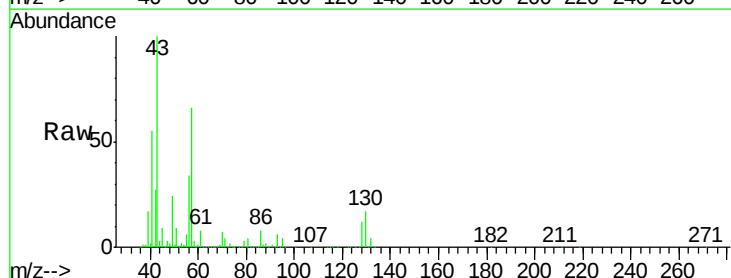
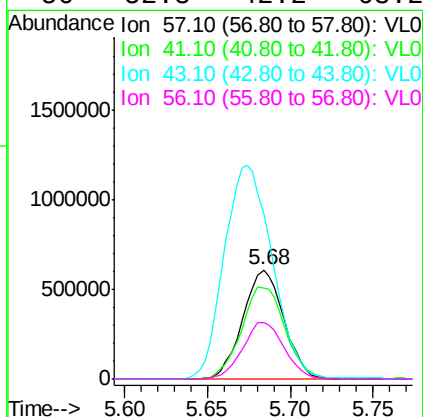
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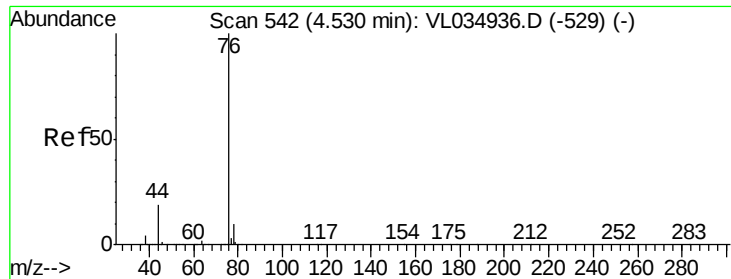
MMDadoda
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#26
Hexane
Concen: 9.628 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.9	72.7	109.1	
43	230.5	182.1	273.1	
56	52.8	42.2	63.2	





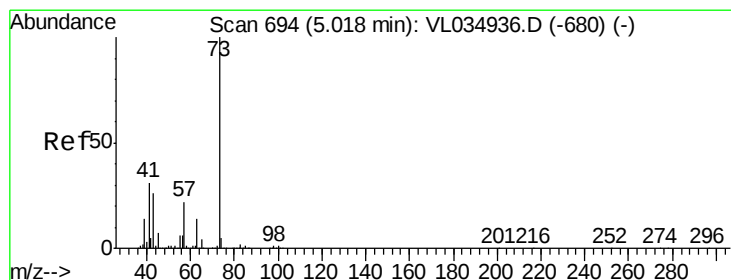
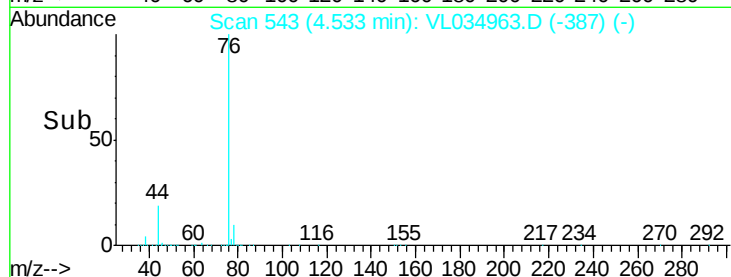
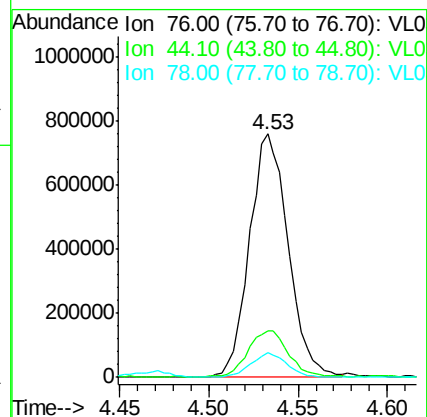
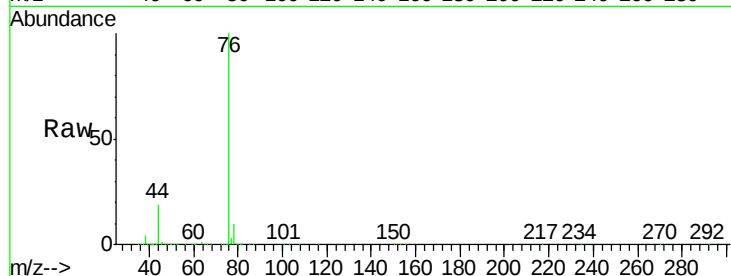
#27
Carbon Disulfide
Concen: 9.002 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.6	15.2	22.8
78	9.5	7.7	11.5

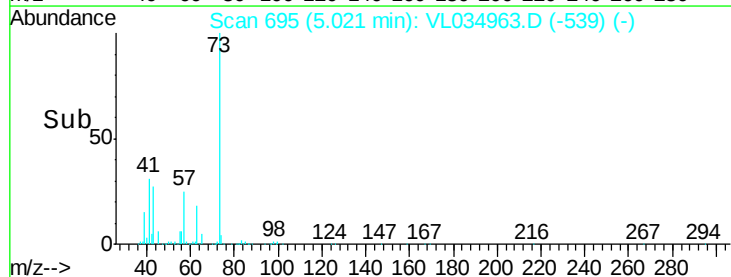
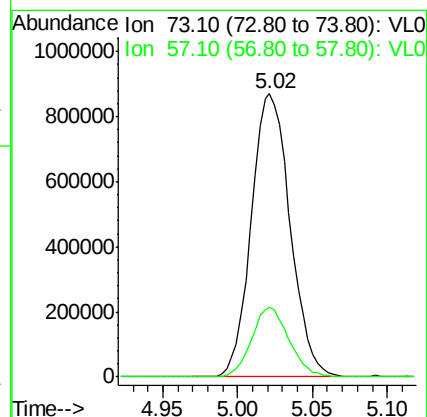
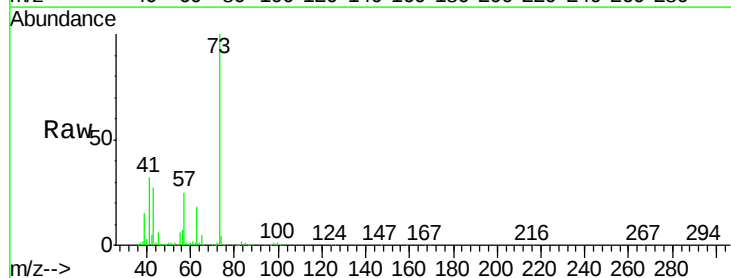
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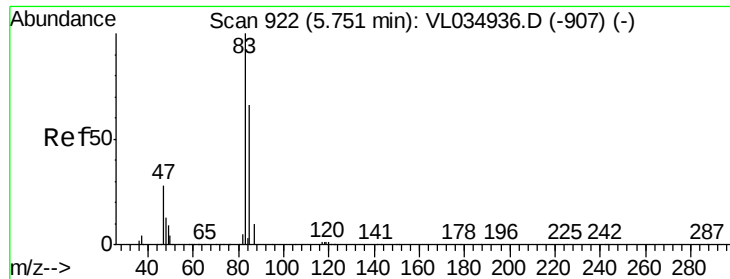
MMDadoda
5/8/2020 5:22:26 PM



#28
Methyl tert-Butyl Ether
Concen: 9.523 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.3	27.5





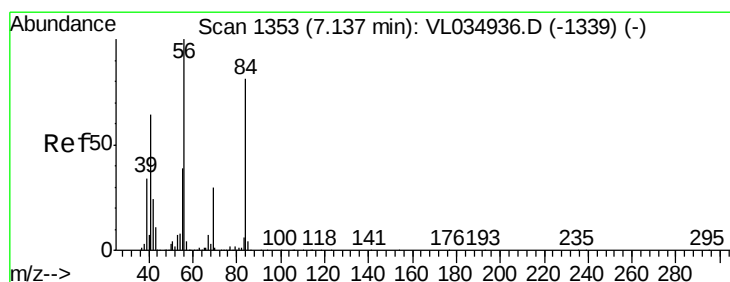
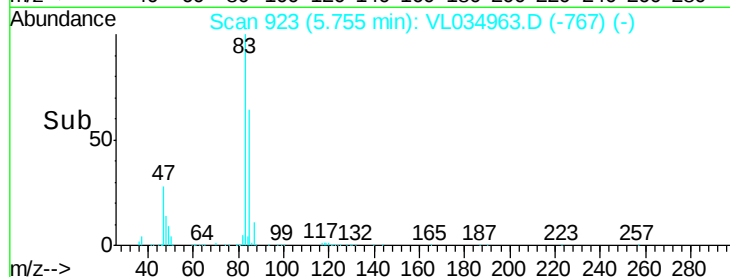
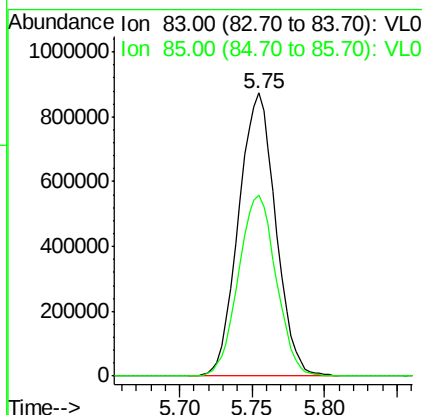
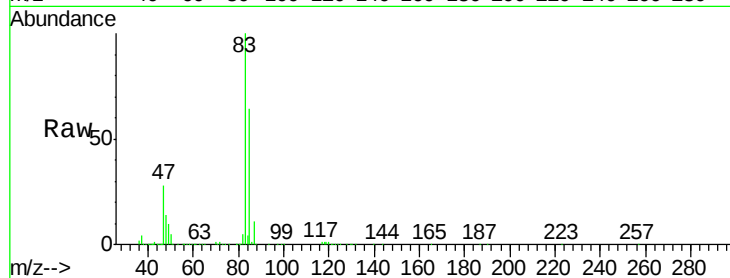
#29
Chloroform
Concen: 8.783 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1556296
Ion Ratio Lower Upper
83 100
85 63.8 53.0 79.6

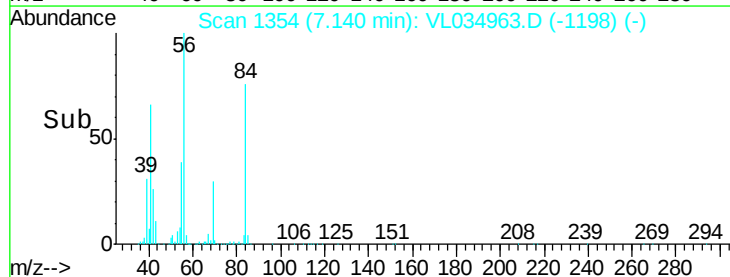
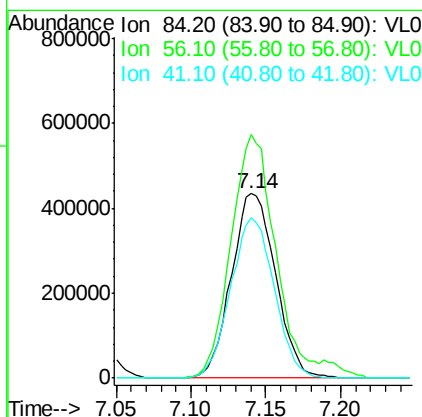
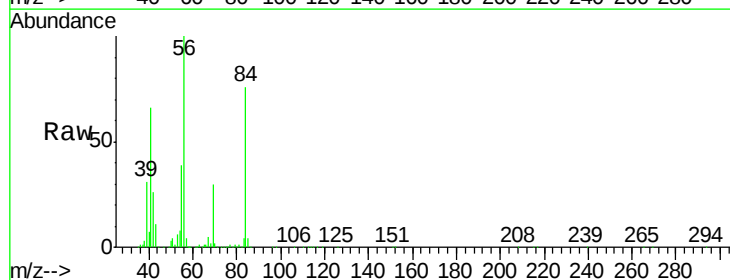
Manual Integrations
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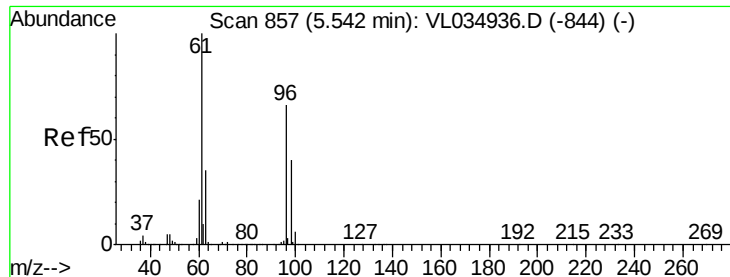
MMDadoda
5/8/2020 5:22:26 PM



#30
Cyclohexane
Concen: 10.705 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 84 Resp: 894685
Ion Ratio Lower Upper
84 100
56 137.1 111.4 167.2
41 85.8 66.7 100.1





#31

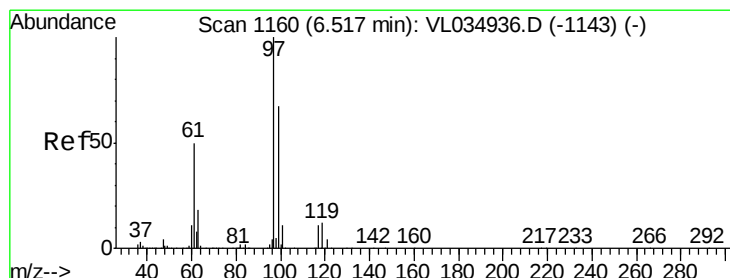
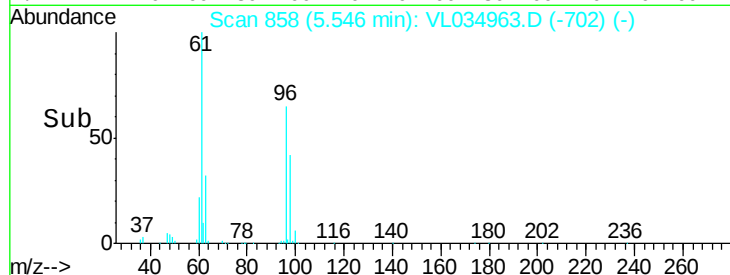
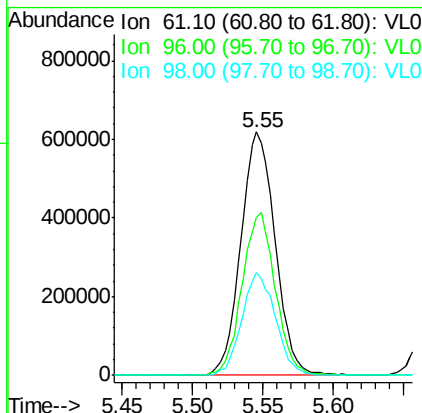
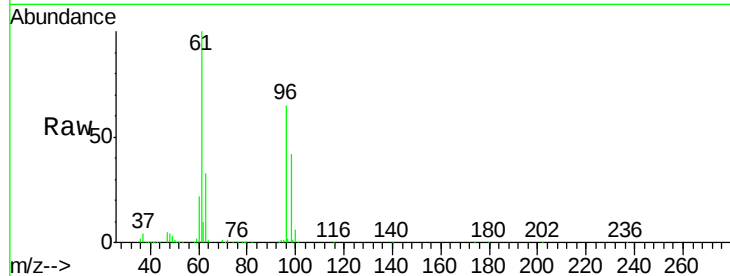
cis-1,2-Dichloroethene
 Concen: 9.995 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.6	53.0	79.6
98	42.1	32.2	48.2

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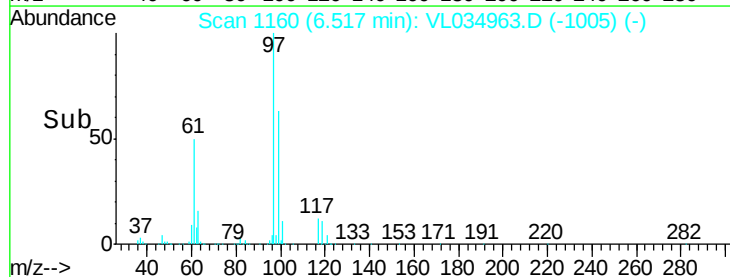
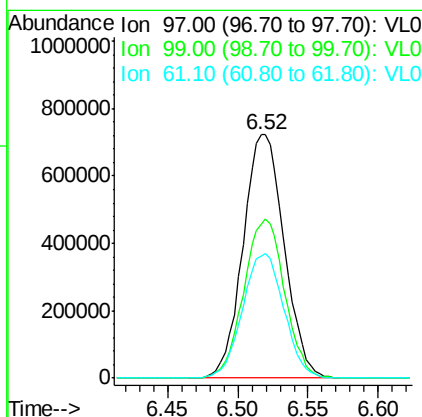
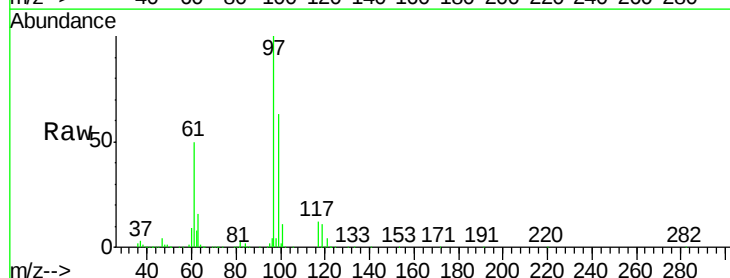
MMDadoda
 5/8/2020 5:22:26 PM

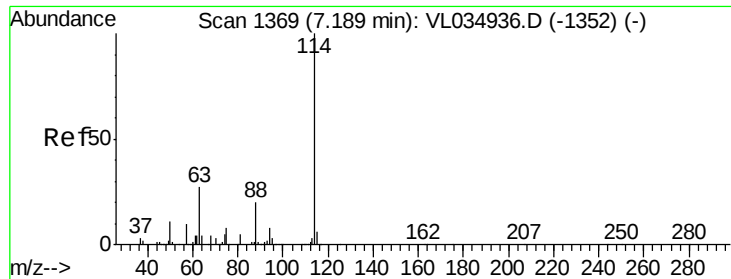


#32

1,1,1-Trichloroethane
 Concen: 9.218 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	51.8	41.8	62.8





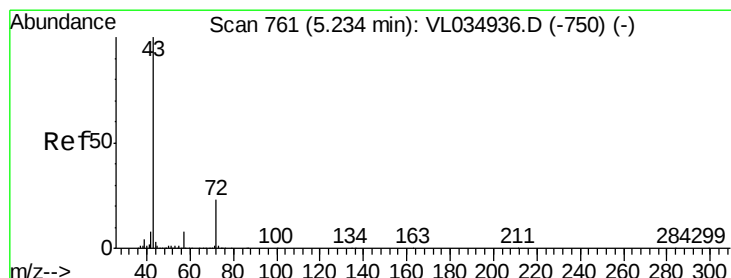
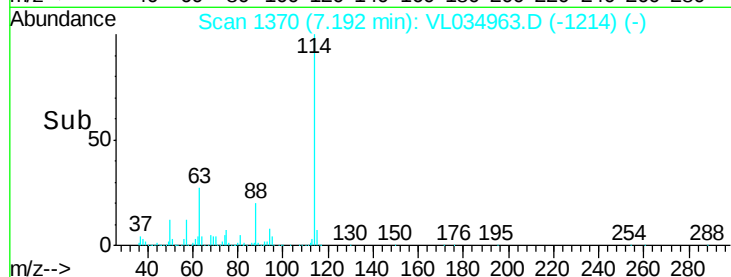
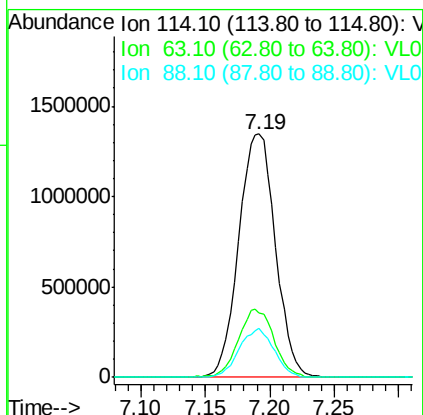
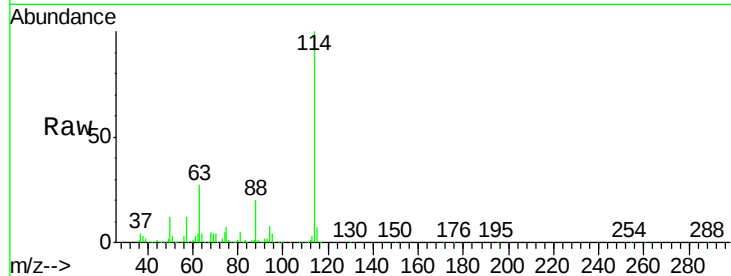
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.4
88	19.2	15.5	23.3

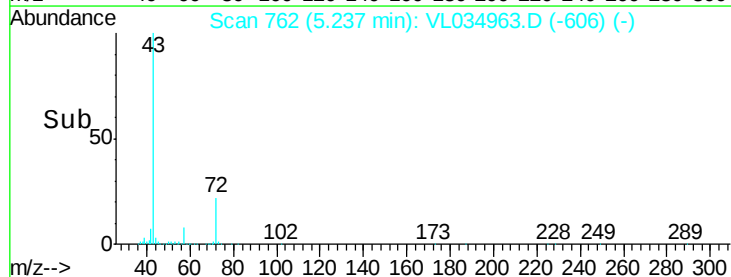
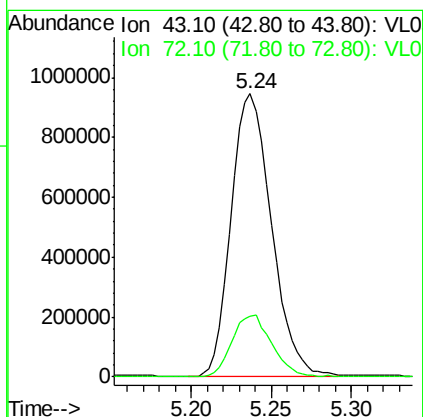
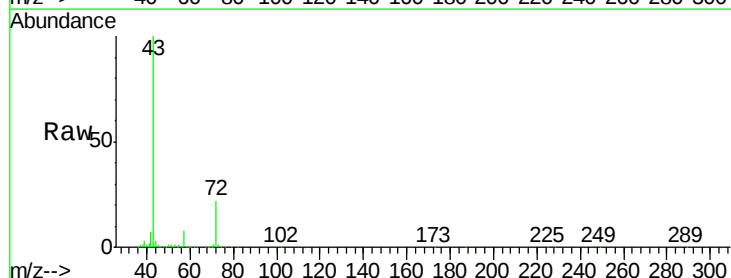
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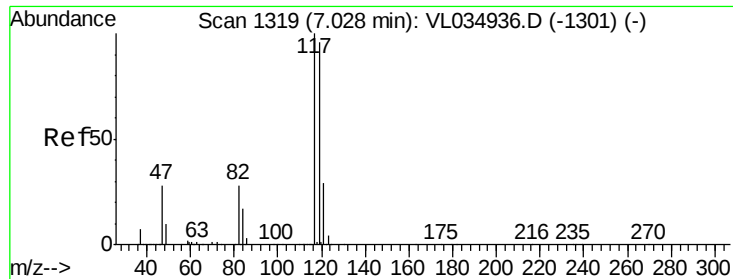
MMDadoda
 5/8/2020 5:22:26 PM



#34
 2-Butanone
 Concen: 9.841 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.0	27.0





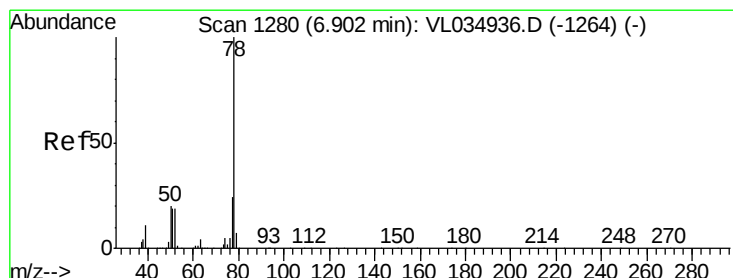
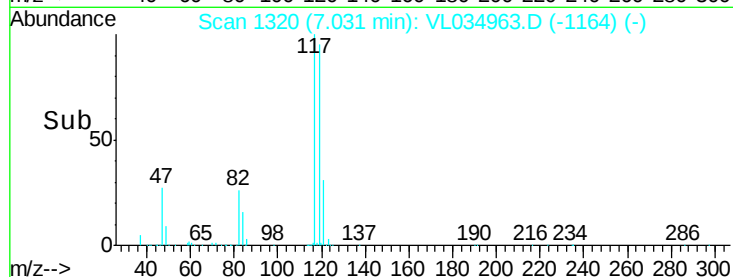
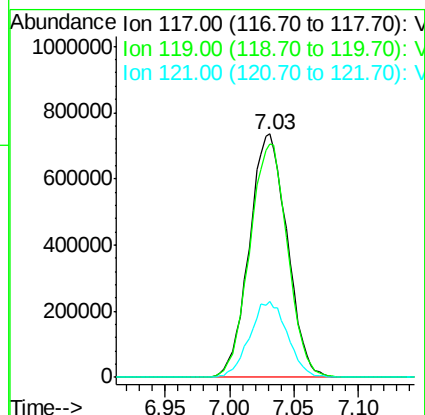
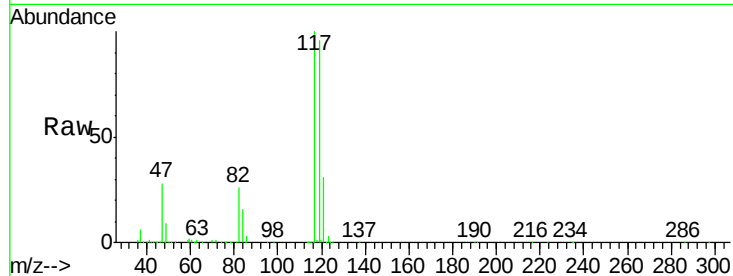
#35
Carbon Tetrachloride
Concen: 8.946 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6
121	31.2	23.0	34.6

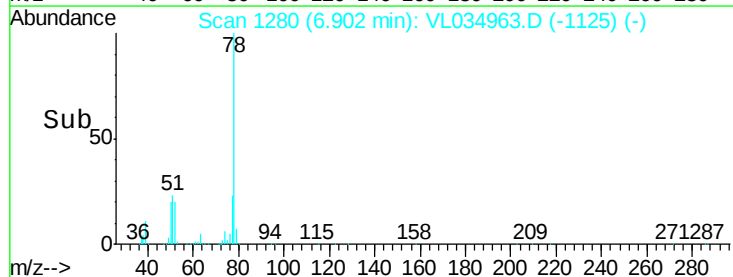
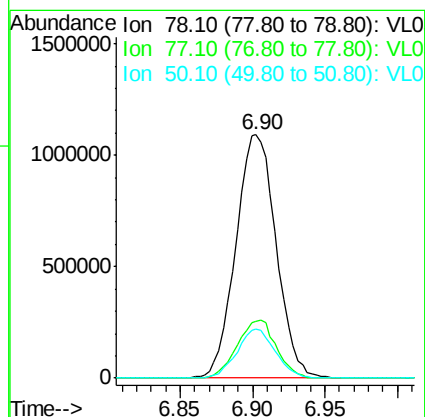
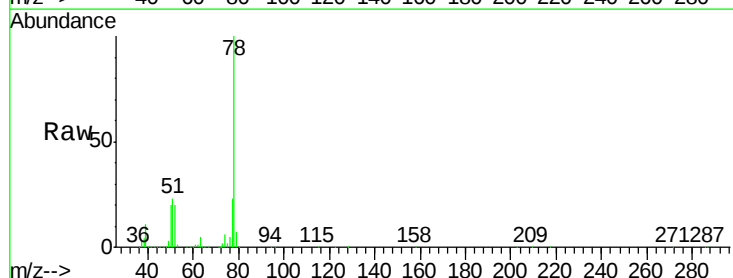
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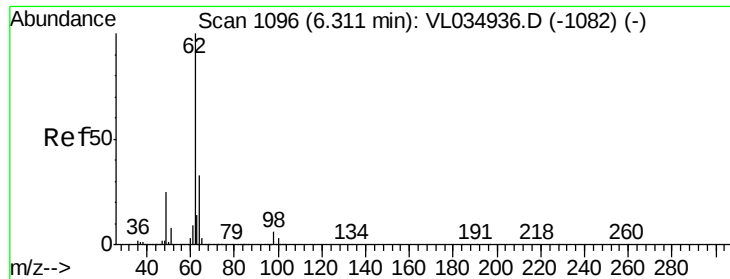
MMDadoda
5/8/2020 5:22:26 PM



#36
Benzene
Concen: 9.606 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6
50	20.0	15.8	23.8





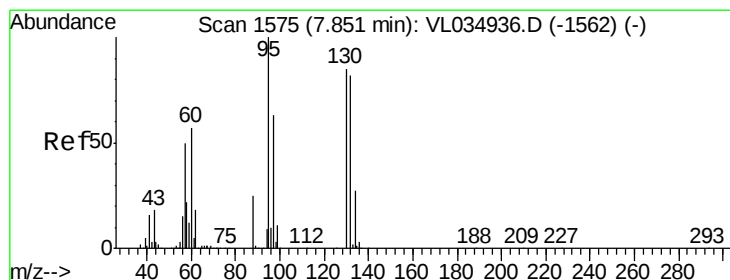
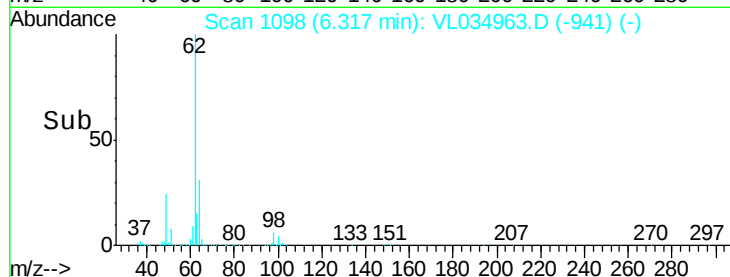
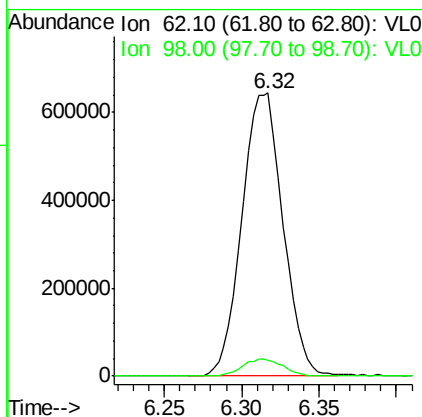
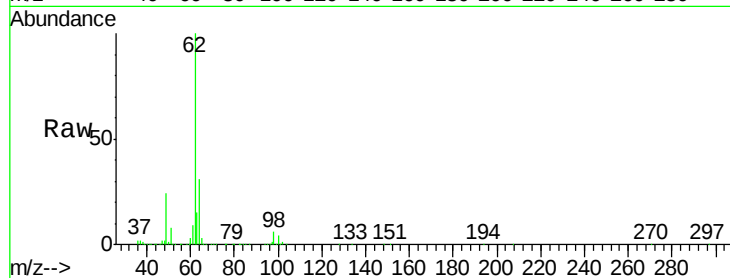
#37
 1,2-Dichloroethane
 Concen: 8.806 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.8	7.2

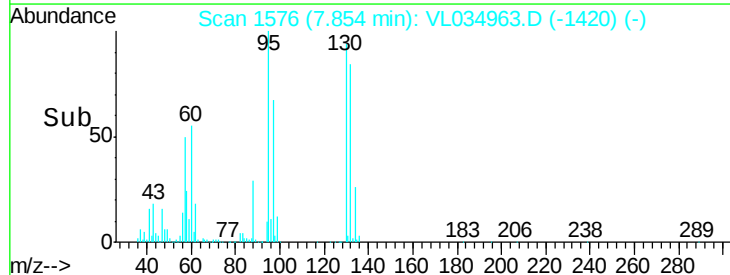
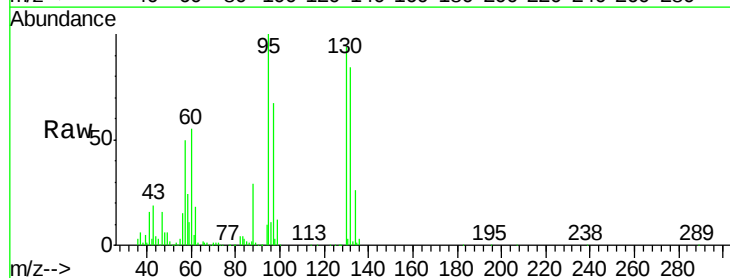
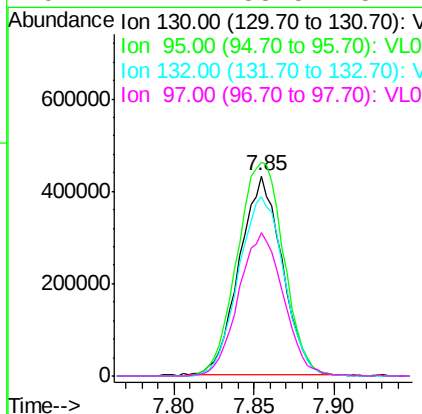
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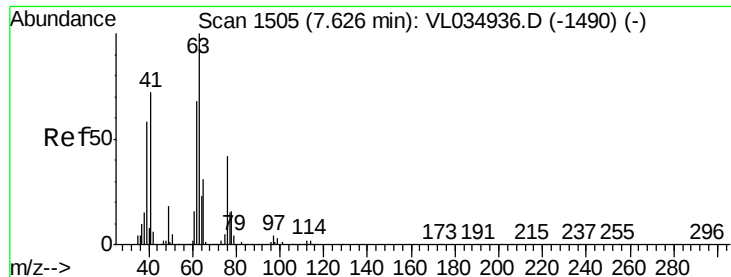
MMDadoda
 5/8/2020 5:22:26 PM



#38
 Trichloroethene
 Concen: 9.304 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.1	93.4	140.0
132	89.8	76.4	114.6
97	72.1	58.5	87.7





#39

1,2-Dichloropropane

Concen: 9.470 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

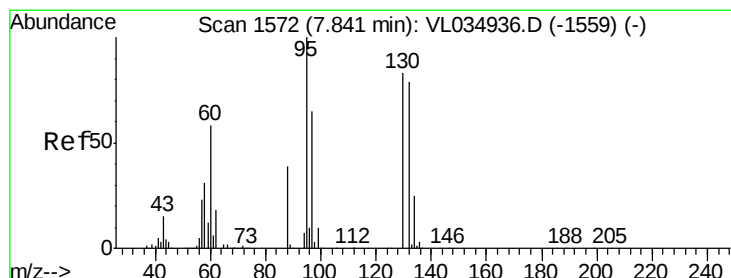
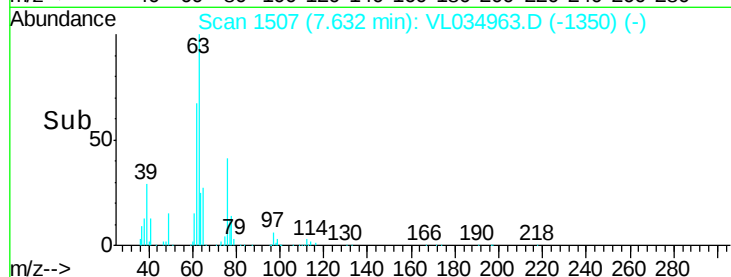
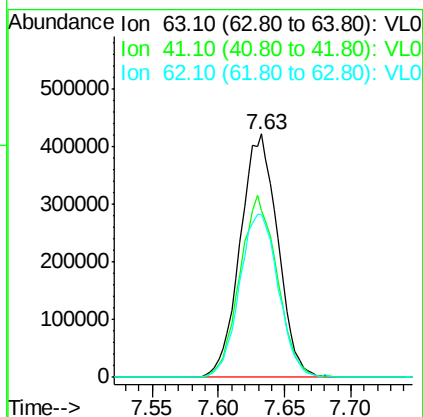
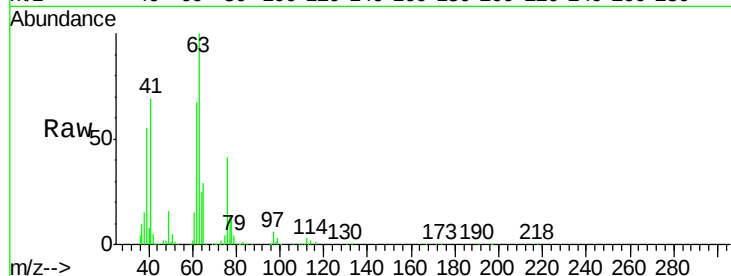
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	832613
Ion Ratio	Lower	Upper	
63	100		
41	68.5	57.8	86.8
62	66.8	54.2	81.2

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#40

1,4-Dioxane

Concen: 8.973 ppbv

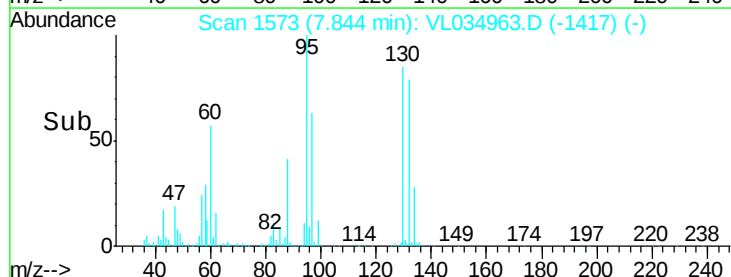
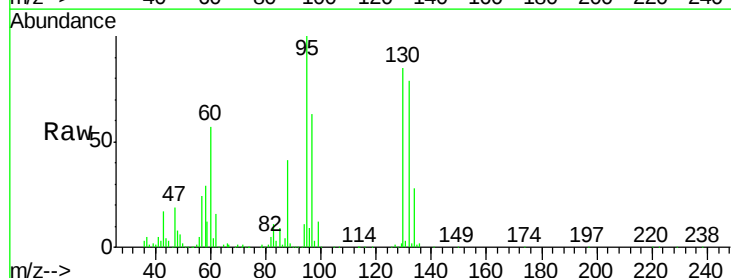
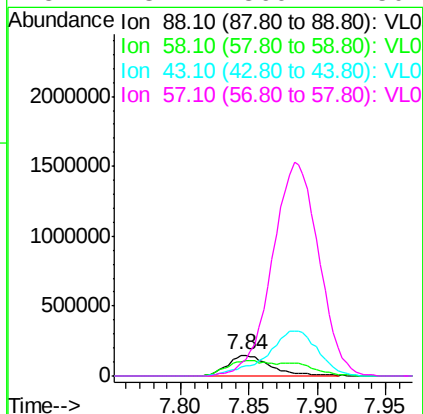
RT: 7.84 min Scan# 1573

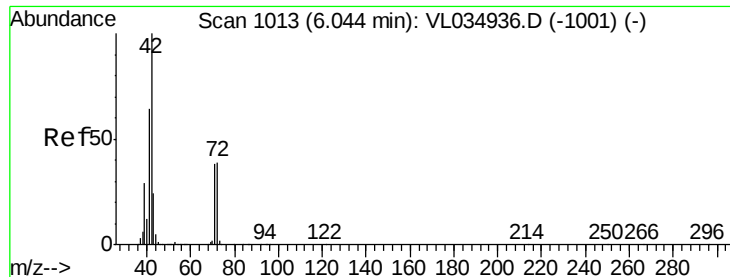
Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tgt Ion:	88	Resp:	320672
Ion Ratio	Lower	Upper	
88	100		
58	130.3	105.1	157.7
43	262.8	202.6	303.8
57	1131.2	869.4	1304.0





#41

Tetrahydrofuran

Concen: 10.769 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

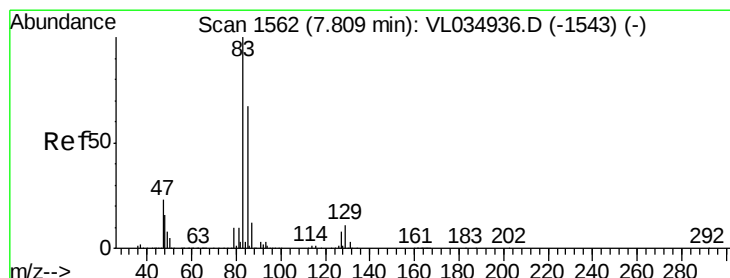
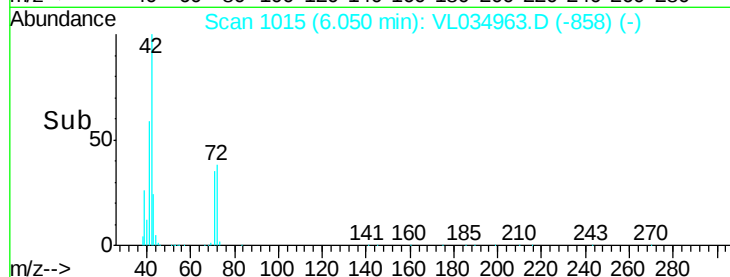
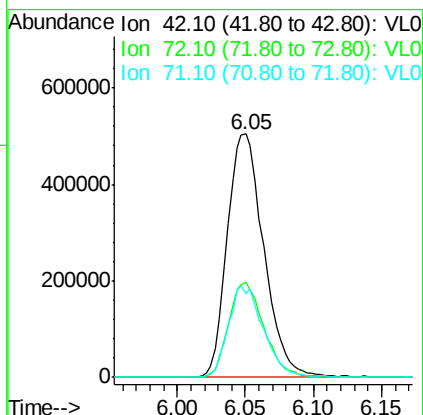
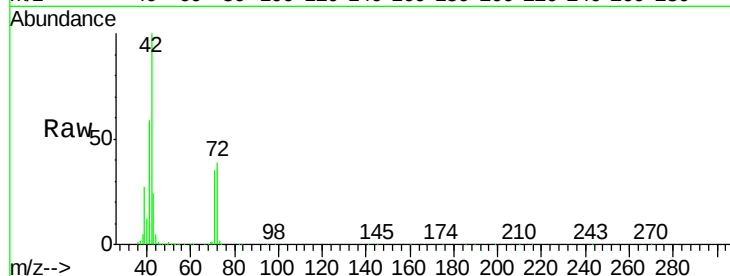
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	937389
Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.0
71	36.5	29.8	44.8

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5/8/2020 5:22:26 PM



#42

Bromodichloromethane

Concen: 8.992 ppbv

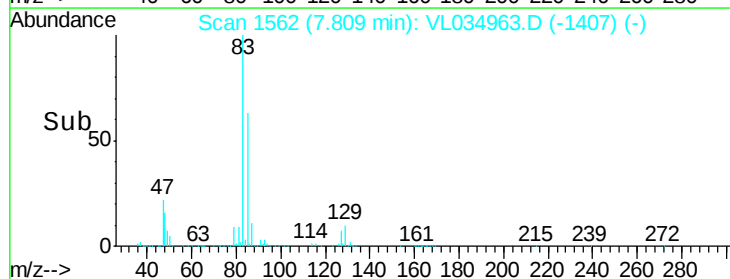
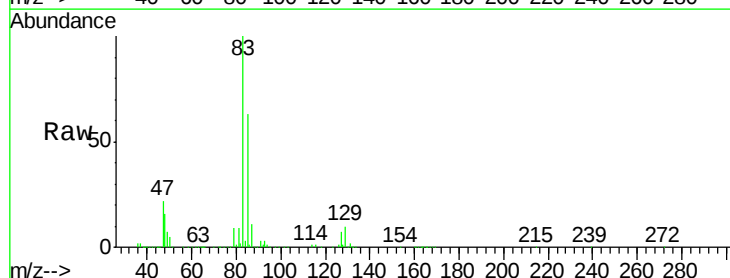
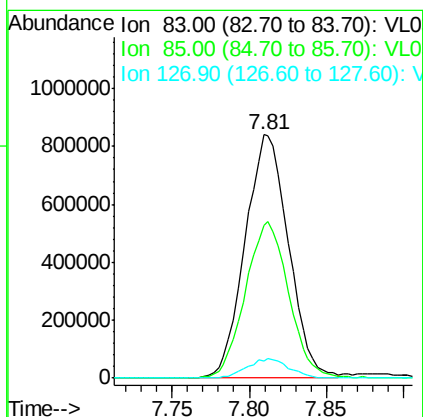
RT: 7.81 min Scan# 1562

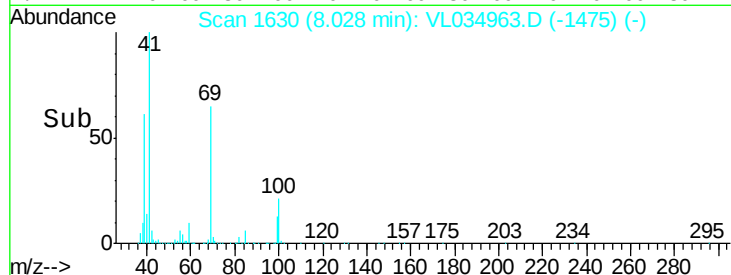
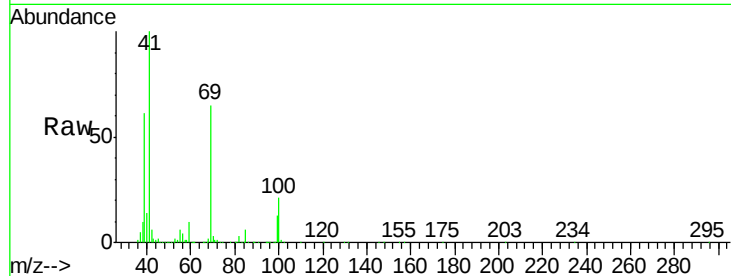
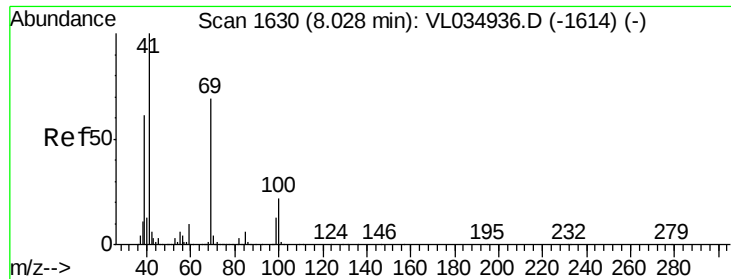
Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tgt Ion:	83	Resp:	1640740
Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.4	80.0
127	6.9	6.1	9.1





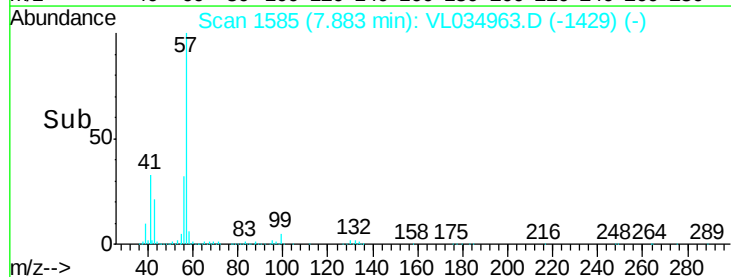
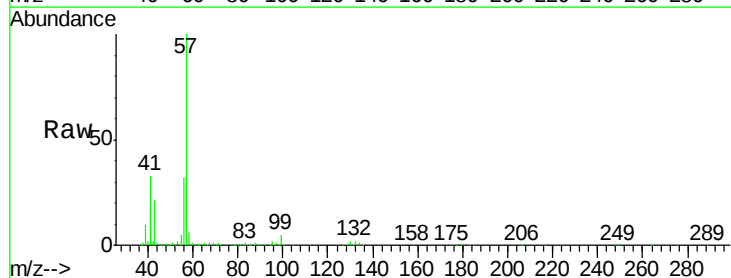
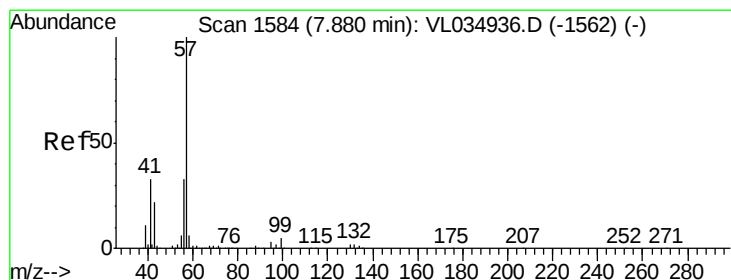
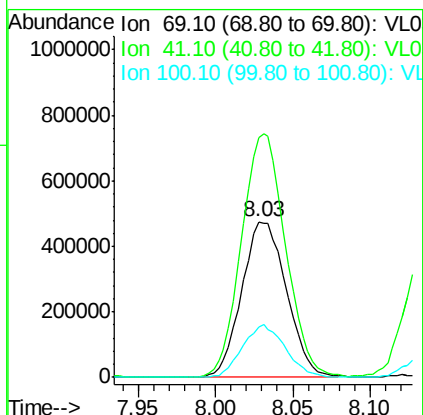
#43
Methvl Methacrvlate
Concen: 10.320 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	154.0	119.8	179.6	
100	32.4	25.0	37.6	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

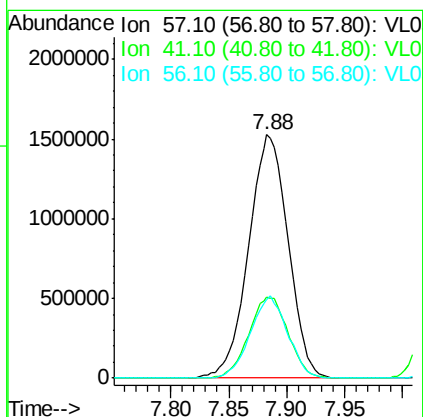
Manual Integrations
APPROVED

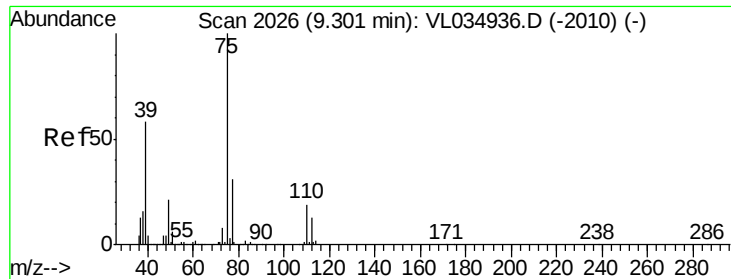
MMDadoda
5/8/2020 5:22:26 PM



#44
2,2,4-Trimethylpentane
Concen: 9.264 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.3	26.4	39.6	
56	31.9	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 11.215 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1048111

Ion Ratio Lower Upper

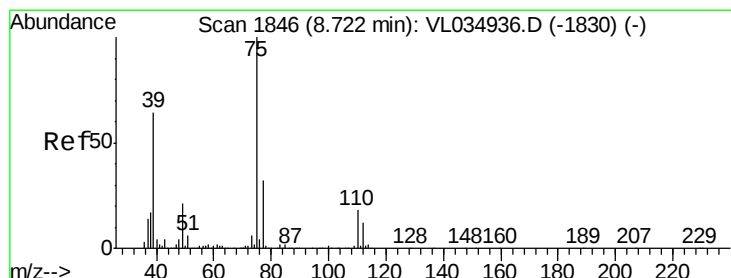
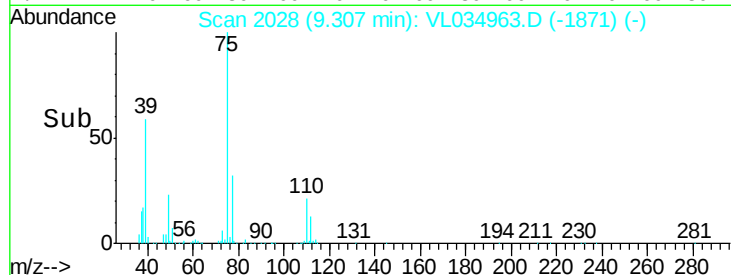
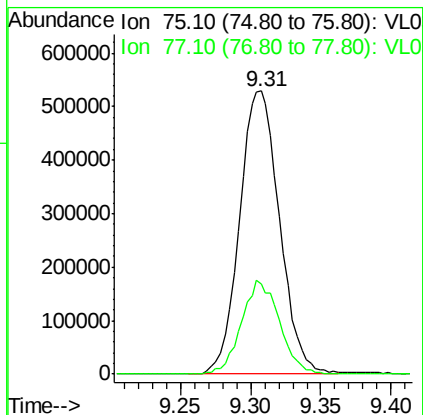
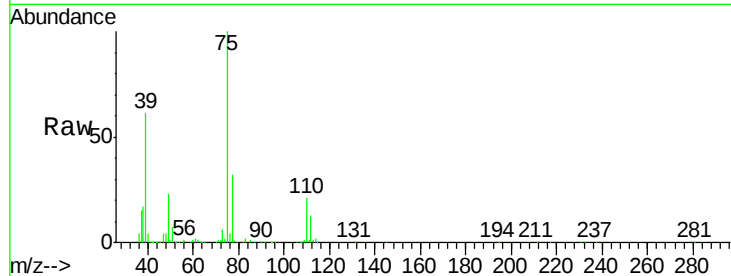
75 100

77 31.9 24.9 37.3

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#46

cis-1,3-Dichloropropene

Concen: 10.882 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

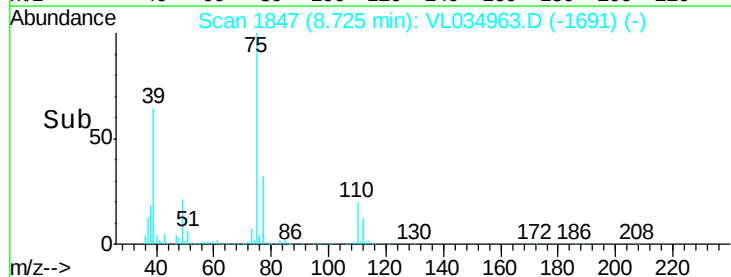
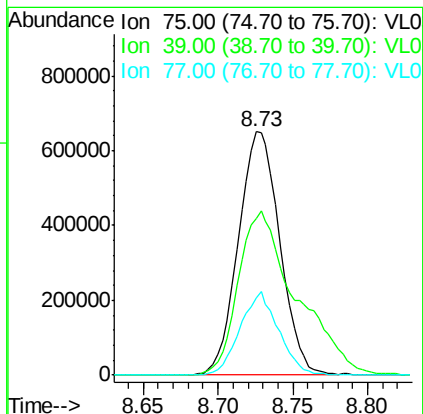
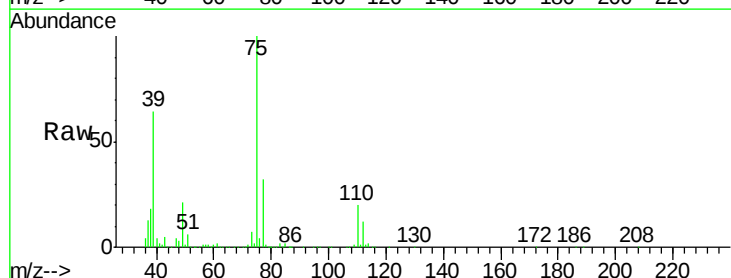
Tgt Ion: 75 Resp: 1248653

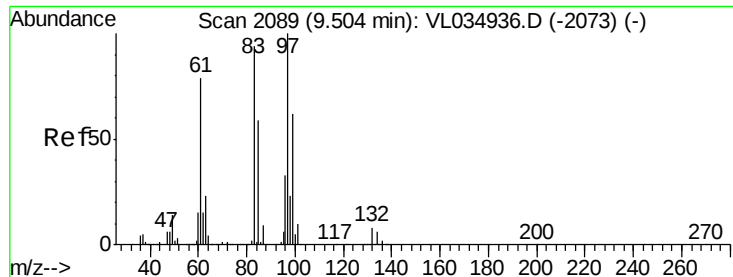
Ion Ratio Lower Upper

75 100

39 64.2 51.5 77.3

77 31.5 25.5 38.3





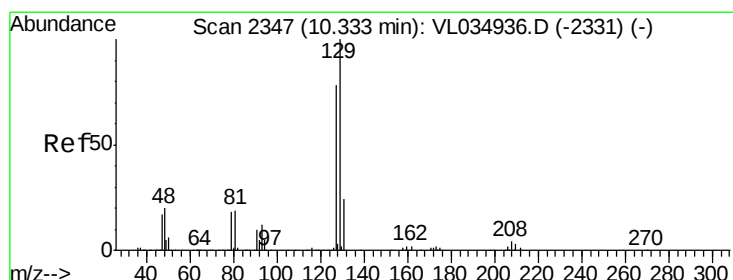
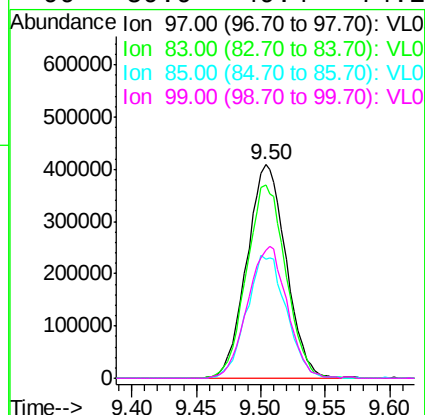
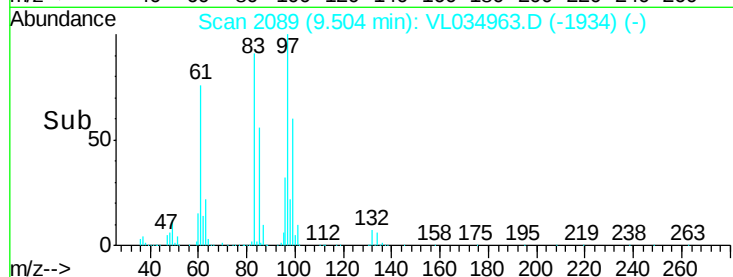
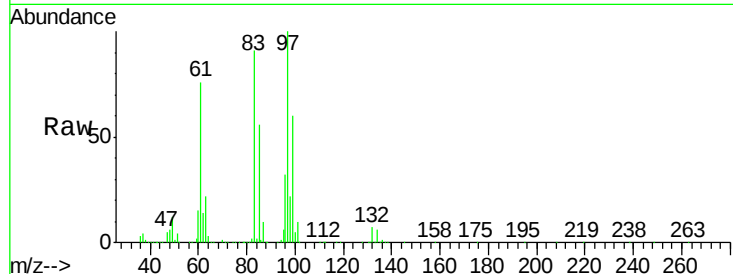
#47
 1,1,2-Trichloroethane
 Concen: 9.346 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		867139		
83	90.6	75.6	113.4		
85	56.0	47.0	70.6		
99	59.9	49.4	74.2		

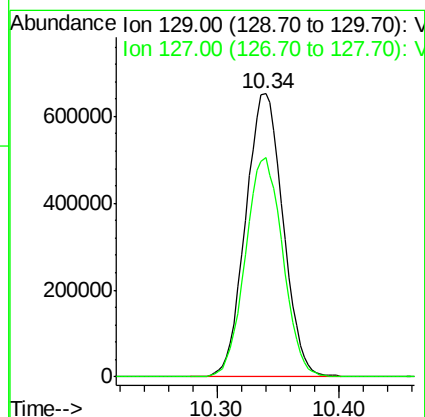
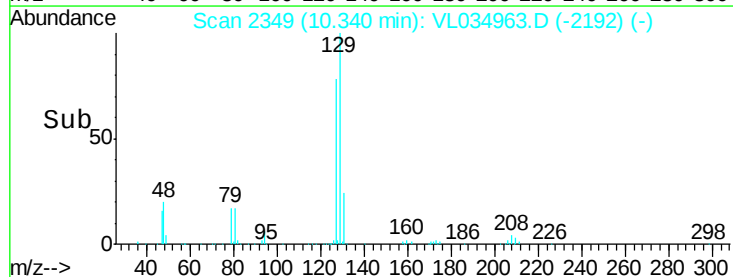
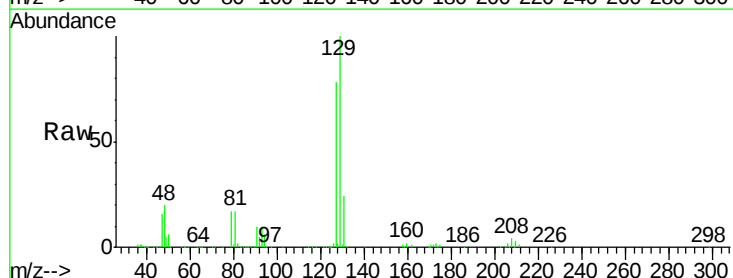
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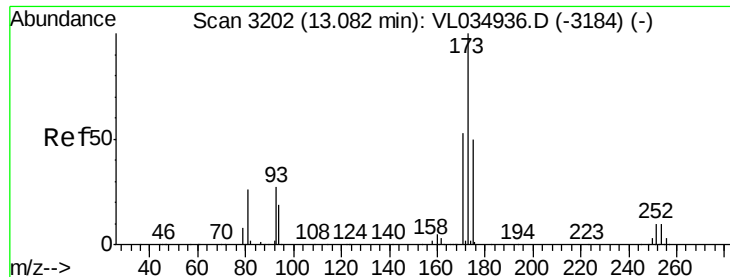
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#48
 Dibromochloromethane
 Concen: 9.663 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1378708		
127	77.7	39.1	117.2		





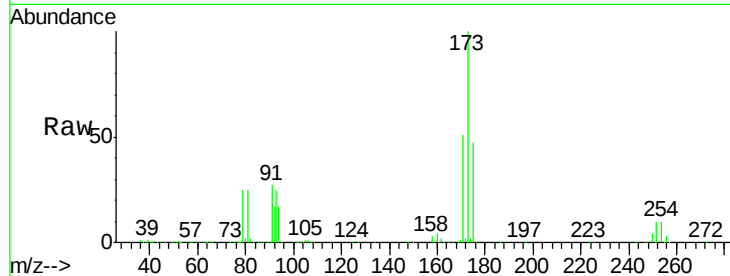
#49
Bromoform
Concen: 9.864 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

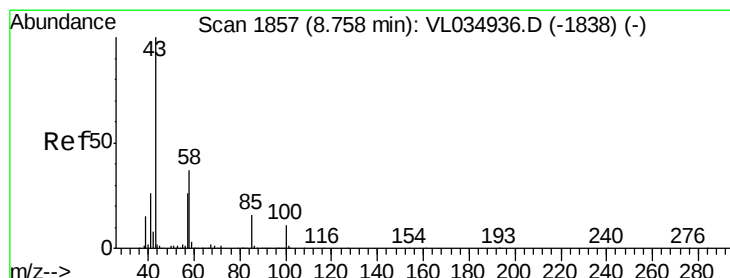
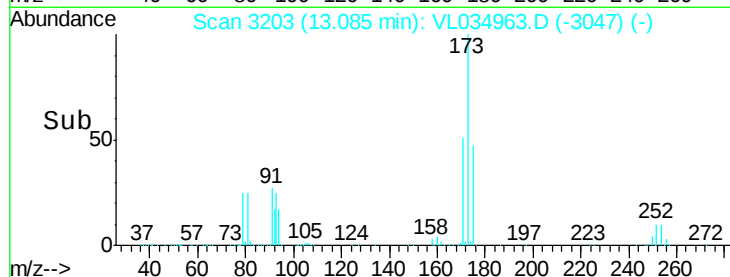
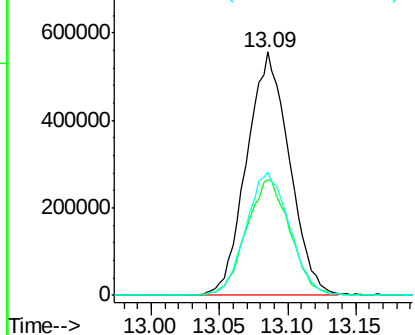
Tot Ion: 173 Resp: 1210913
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.6
171 51.5 41.4 62.2

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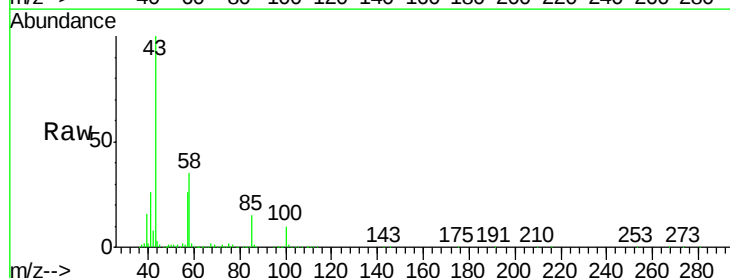


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

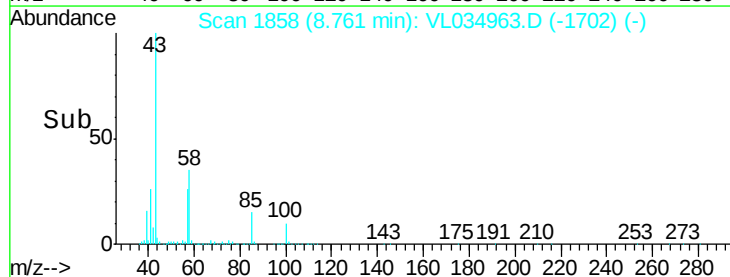
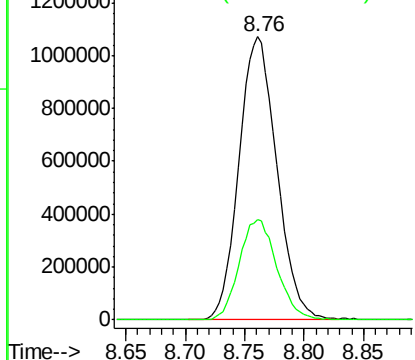


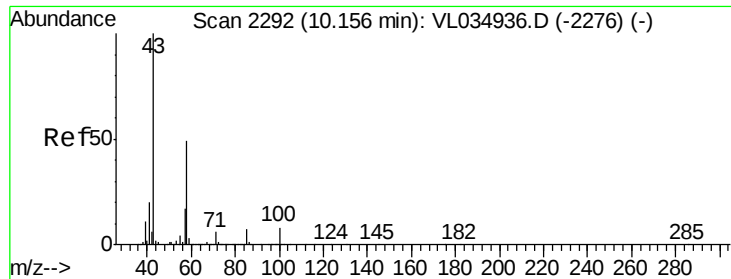
#50
4-Methyl-2-Pentanone
Concen: 9.993 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 43 Resp: 2355828
Ion Ratio Lower Upper
43 100
58 35.5 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: 10.601 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1954774

Ion Ratio Lower Upper

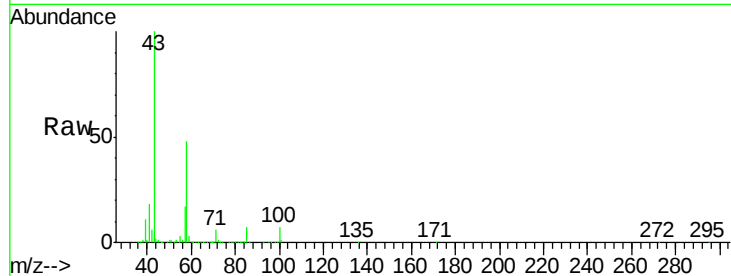
43 100

58 47.9 39.1 58.7

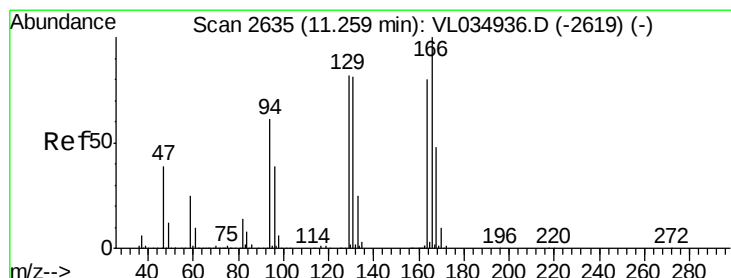
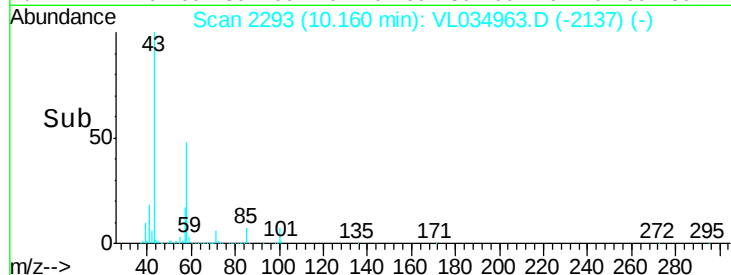
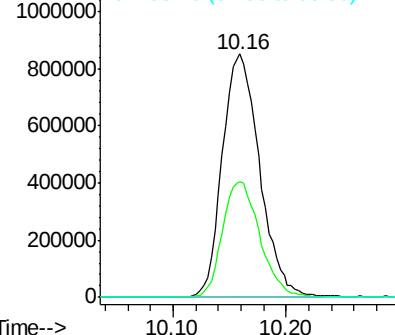
98 0.2 0.3 0.5#

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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: 9.440 ppbv

RT: 11.26 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tgt Ion:164 Resp: 736205

Ion Ratio Lower Upper

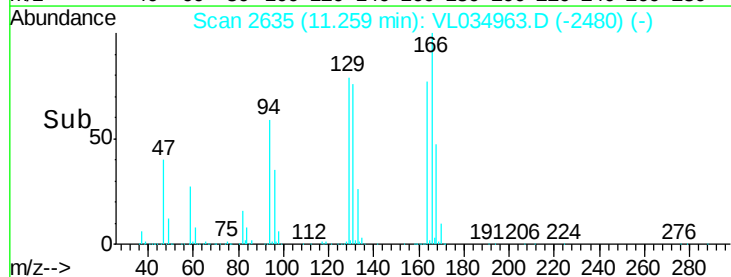
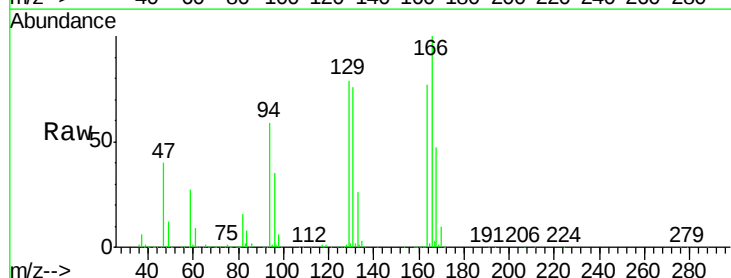
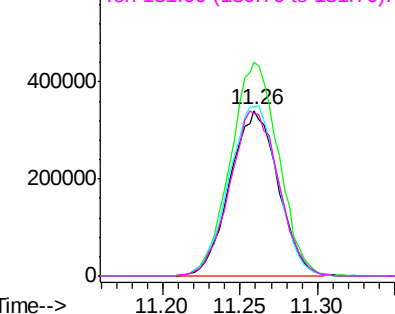
164 100

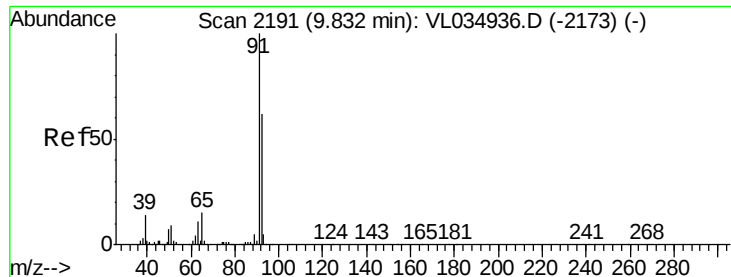
166 129.1 100.7 151.1

129 102.4 83.0 124.4

131 97.8 81.0 121.4

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





#53

Toluene

Concen: 10.474 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2435168

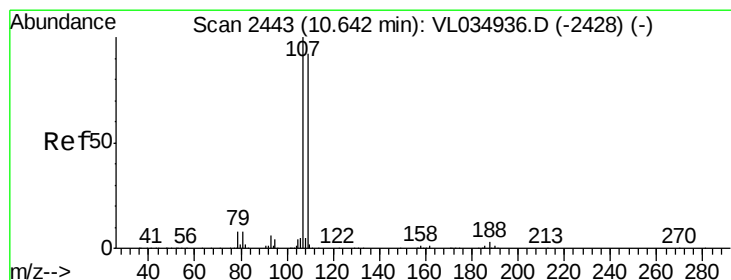
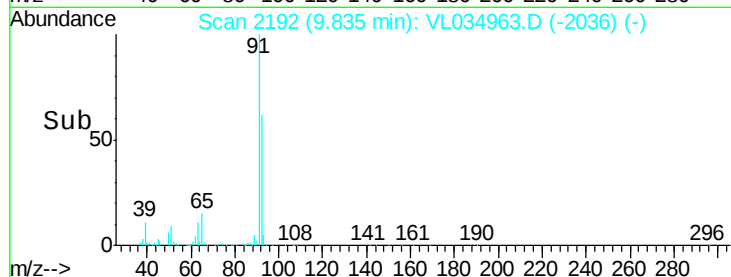
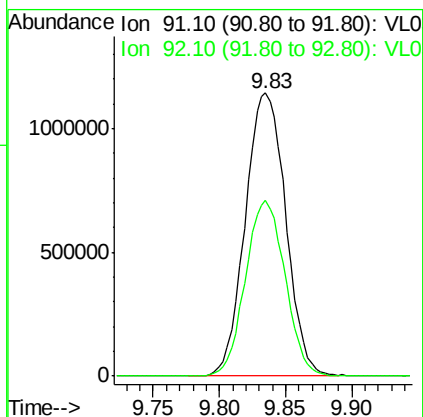
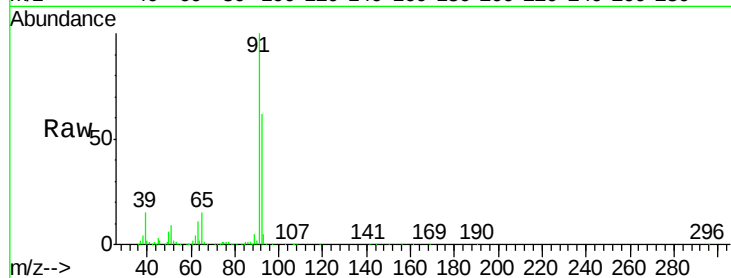
Ion Ratio Lower Upper

91 100

92 60.9 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 9.611 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. -0.00 min

Lab File: VL034963.D

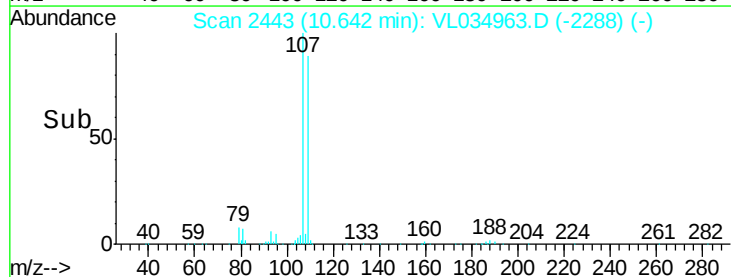
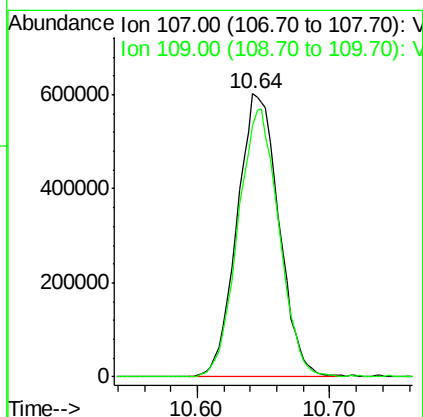
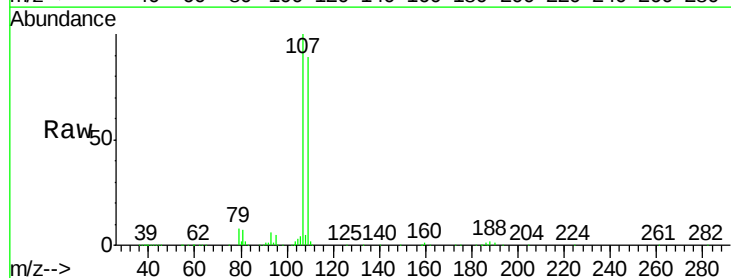
Acq: 7 May 2020 10:53

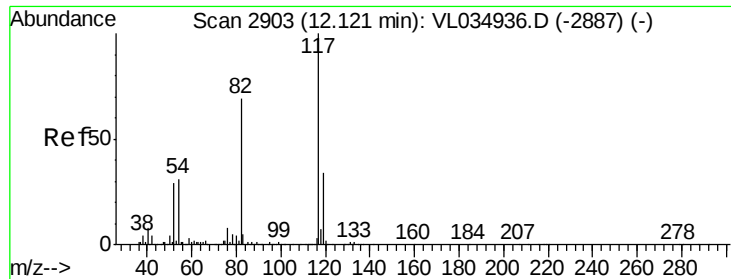
Tgt Ion: 107 Resp: 1309436

Ion Ratio Lower Upper

107 100

109 89.0 73.2 109.8





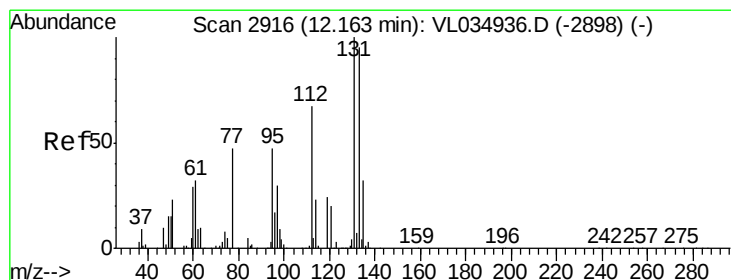
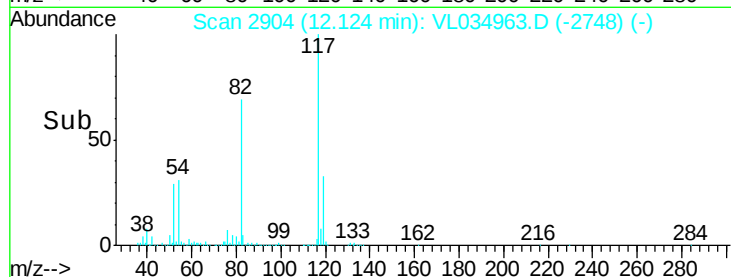
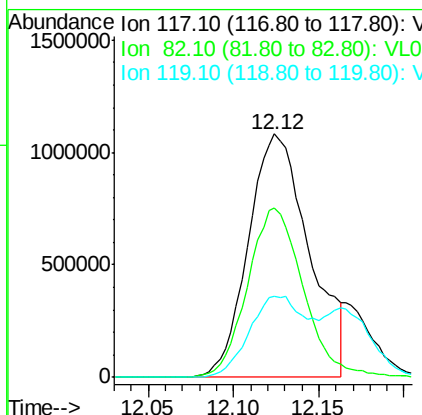
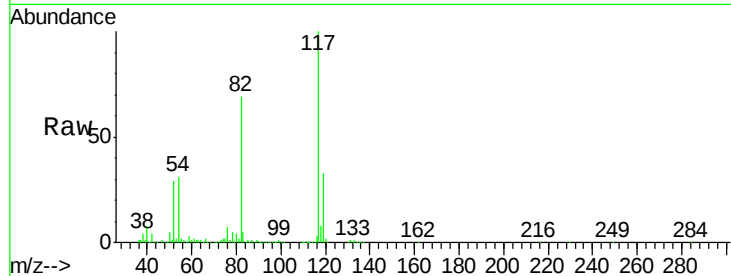
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	53.1	79.7
119	30.5	26.7	40.1

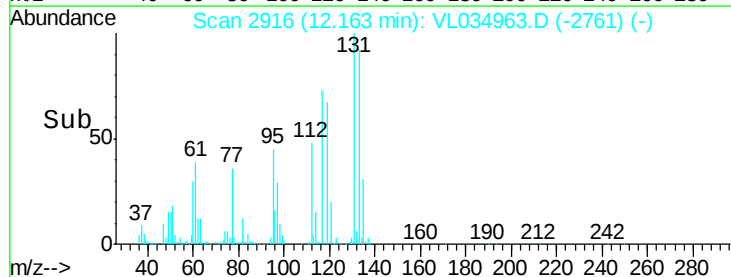
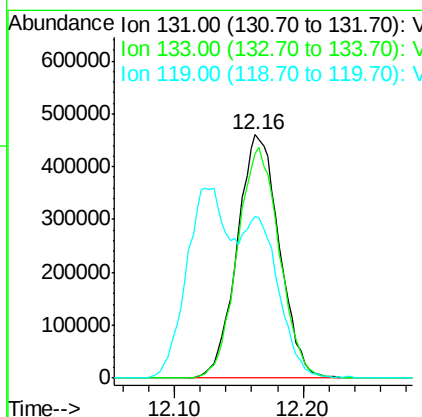
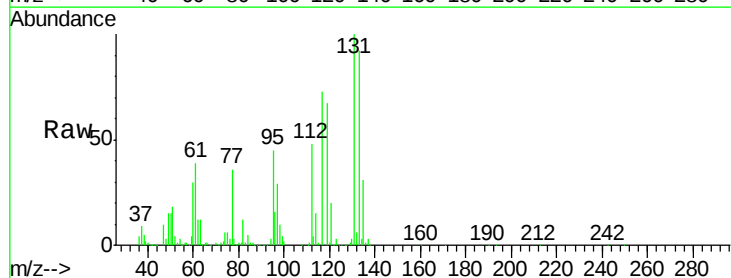
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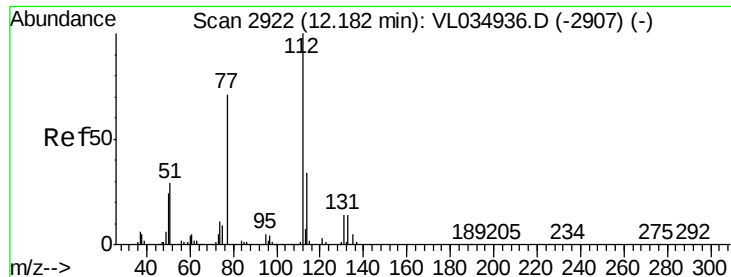
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.621 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.7	116.5
119	60.4	49.8	74.6





#57

Chlorobenzene

Concen: 8.497 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 1812652

Ion Ratio Lower Upper

112 100

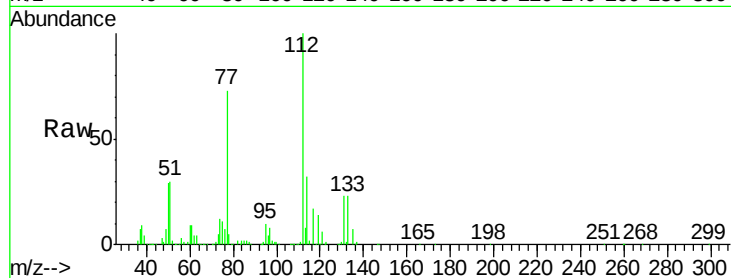
77 72.5 57.0 85.6

114 32.0 30.8 37.6

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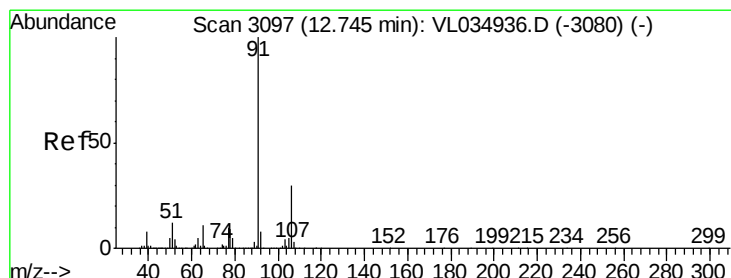
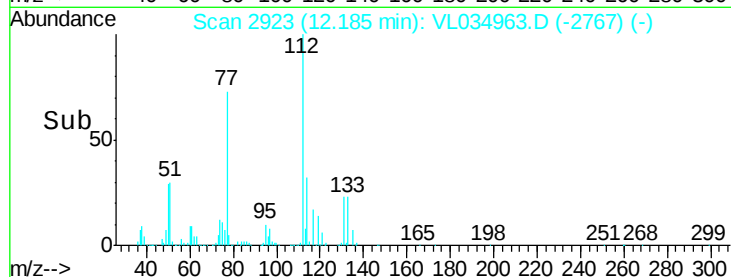
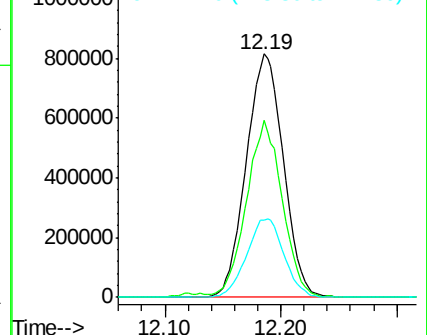
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.684 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034963.D

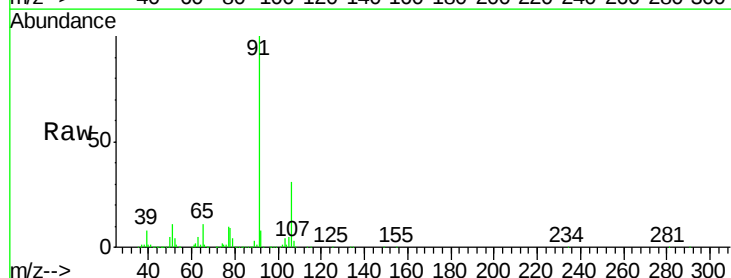
Acq: 7 May 2020 10:53

Tgt Ion: 91 Resp: 3224535

Ion Ratio Lower Upper

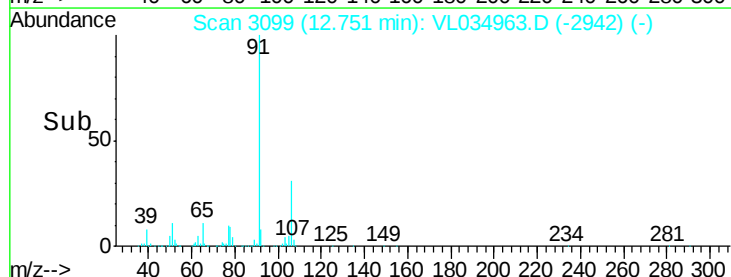
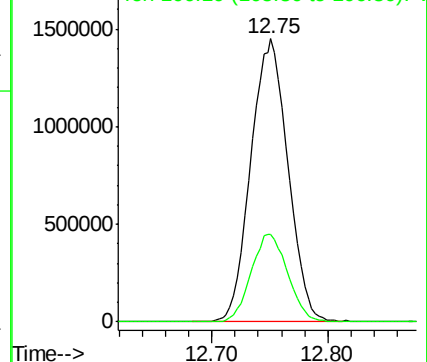
91 100

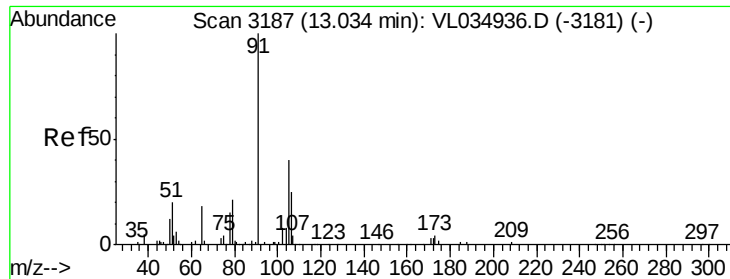
106 31.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





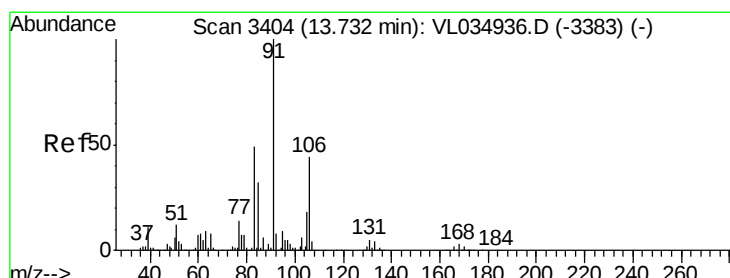
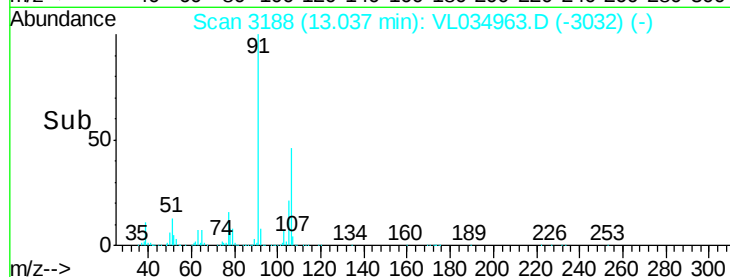
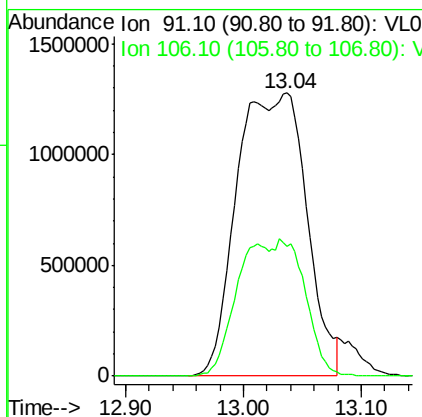
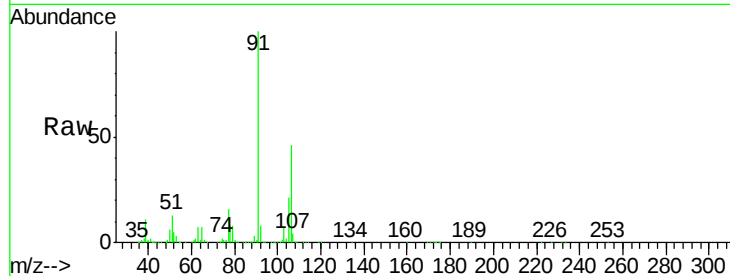
#59
m/p-Xylene
Concen: 17.899 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5243917
Ion Ratio Lower Upper
91 100
106 46.2 66.0 99.0#

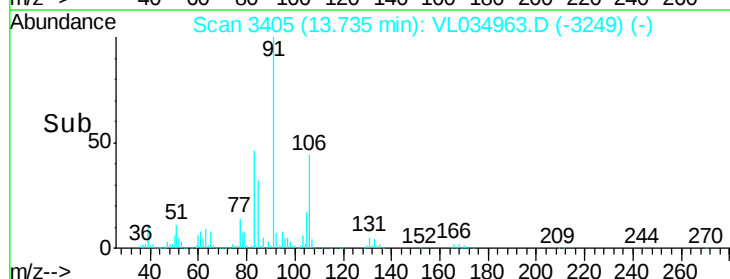
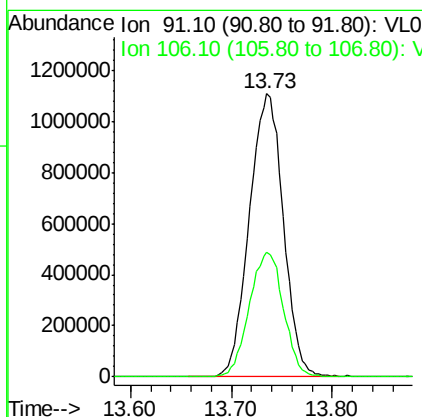
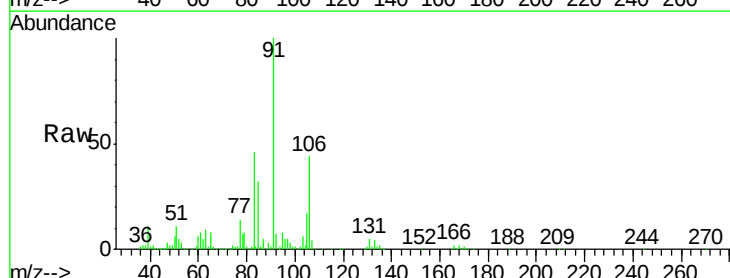
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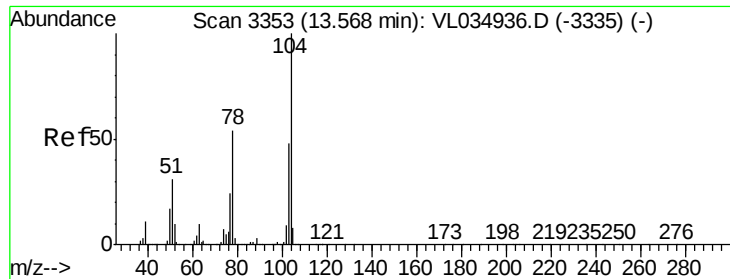
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#60
o-Xylene
Concen: 8.938 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 91 Resp: 2584030
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.5





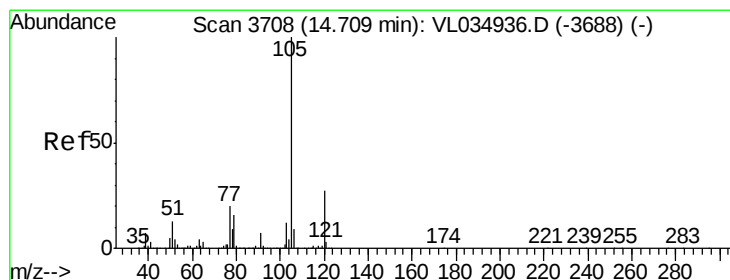
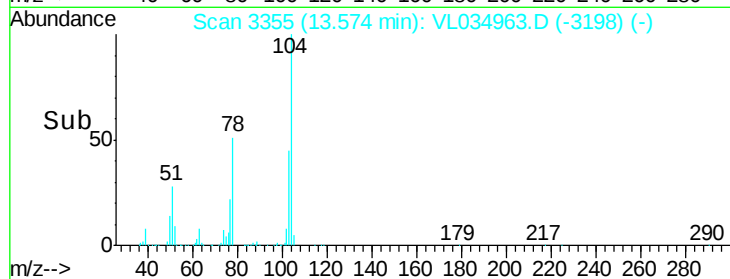
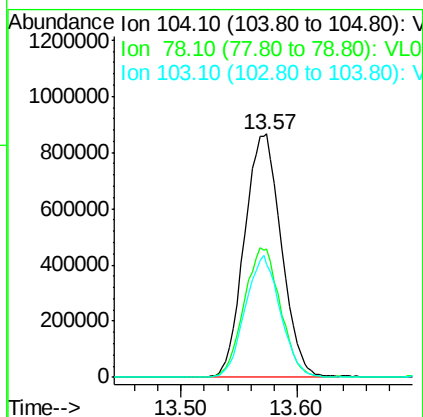
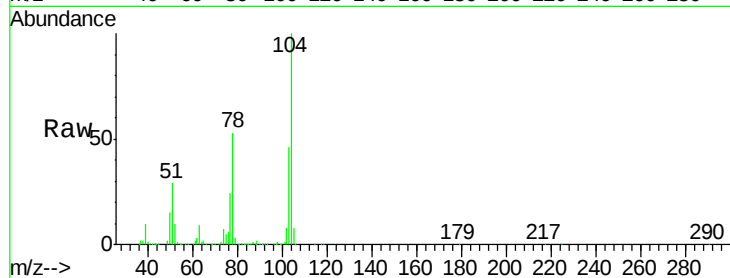
#61
Stvrene
Concen: 10.509 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. 0.01 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.7	65.5
103	47.6	38.8	58.2

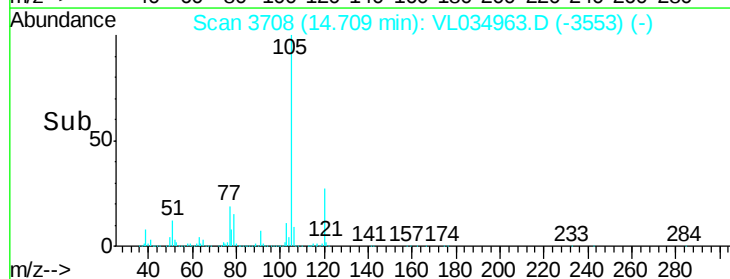
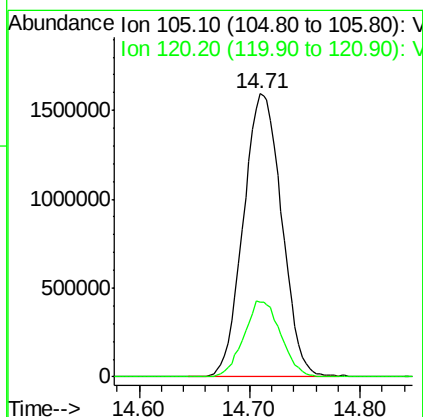
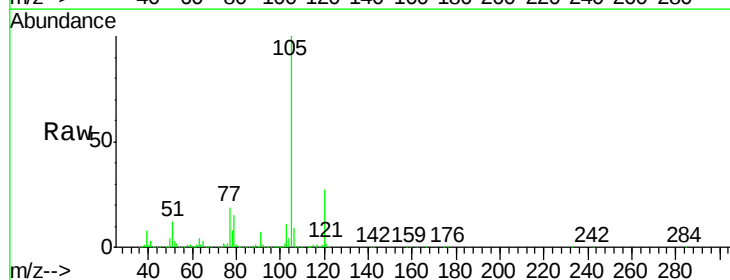
Manual Integrations
APPROVED

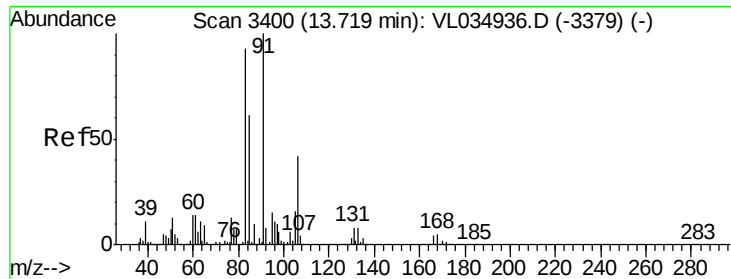
MMDadoda
5/8/2020 5:22:26 PM



#62
Isopropylbenzene
Concen: 8.909 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. -0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.891 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1795828

Ion Ratio Lower Upper

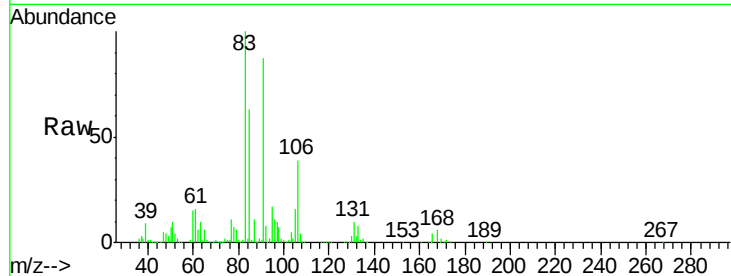
83 100

131 9.3 4.7 14.0

85 65.2 32.5 97.4

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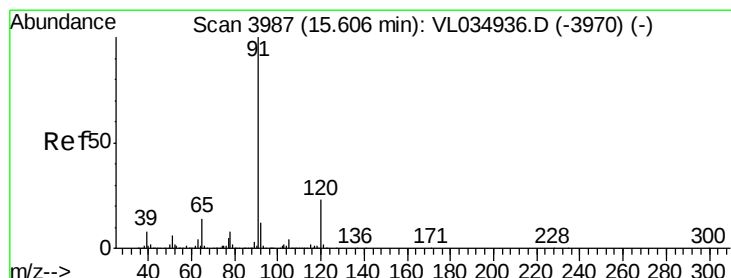
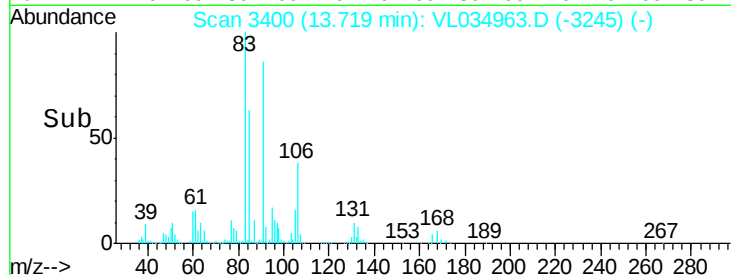
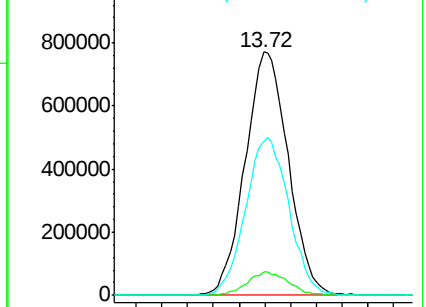
MMDadoda
5/8/2020 5:22:26 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.160 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. -0.00 min

Lab File: VL034963.D

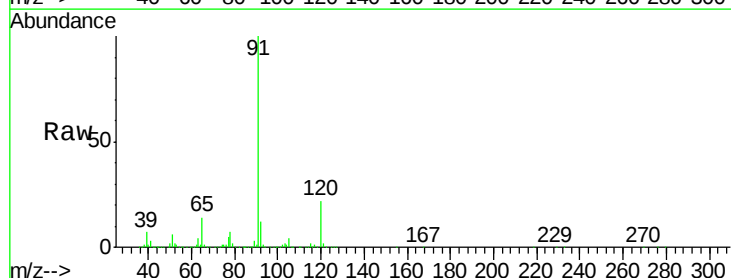
Acq: 7 May 2020 10:53

Tgt Ion:120 Resp: 1014065

Ion Ratio Lower Upper

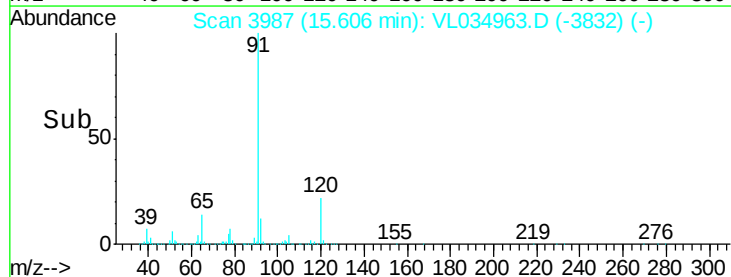
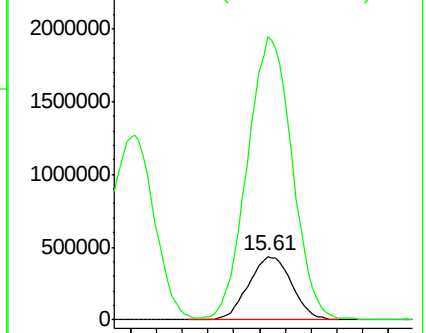
120 100

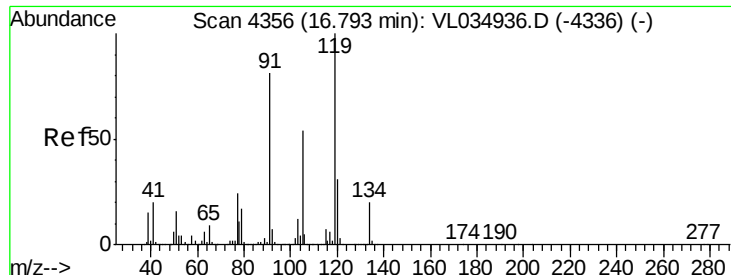
91 465.1 373.5 560.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.823 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3302993

Ion Ratio Lower Upper

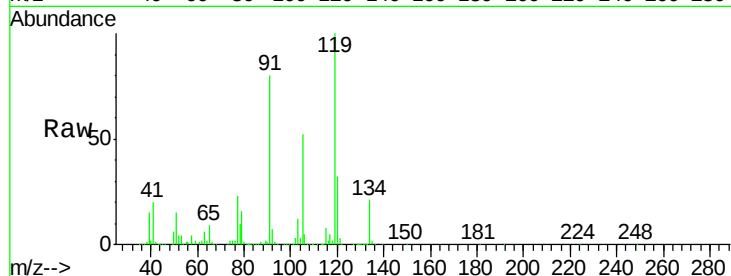
119 100

91 83.2 67.5 101.3

134 19.7 16.1 24.1

Manual Integrations
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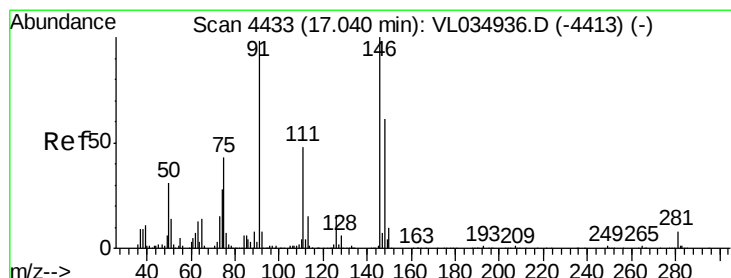
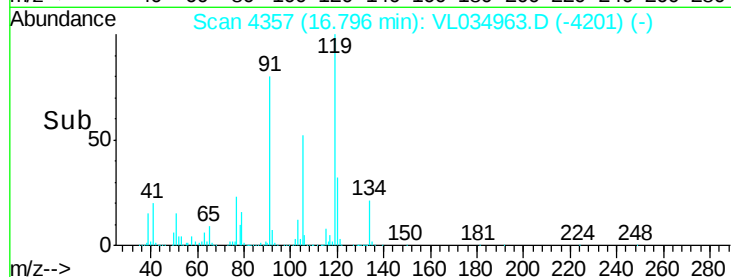
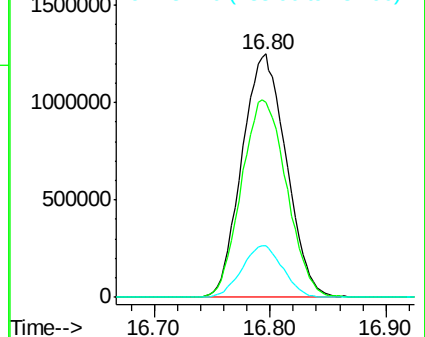
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.816 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

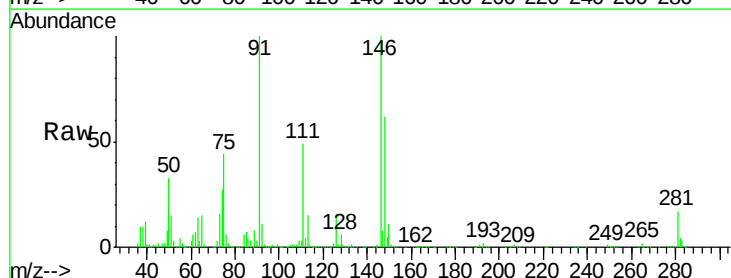
Tgt Ion: 91 Resp: 1247493

Ion Ratio Lower Upper

91 100

126 16.8 13.8 20.6

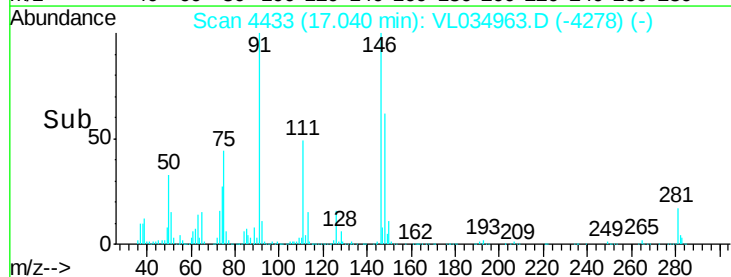
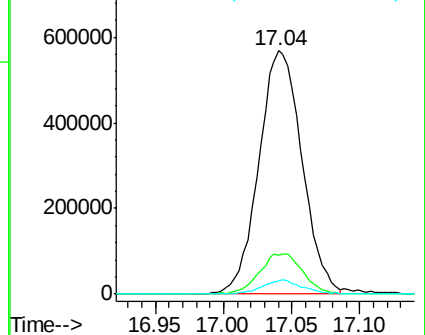
128 5.5 4.3 6.5

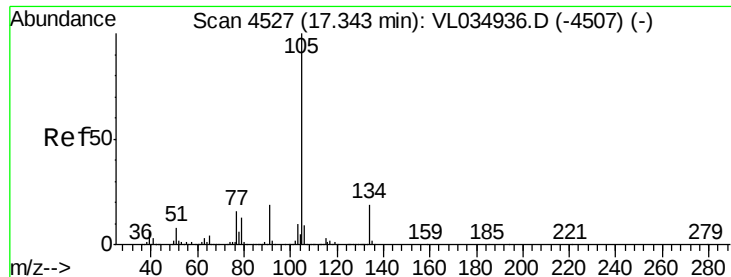


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.845 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4726554

Ion Ratio Lower Upper

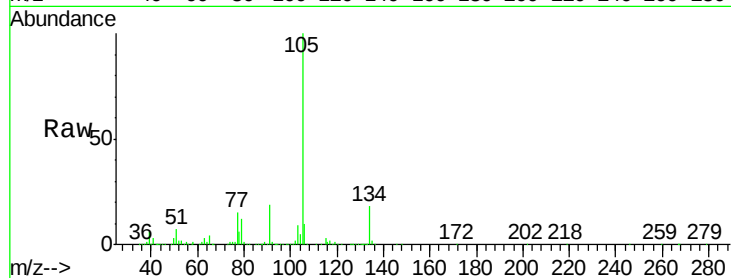
105 100

134 18.1 14.8 22.2

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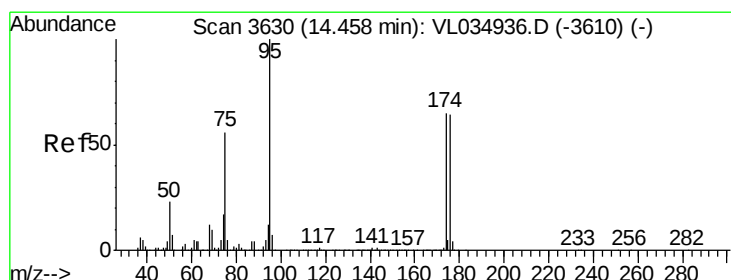
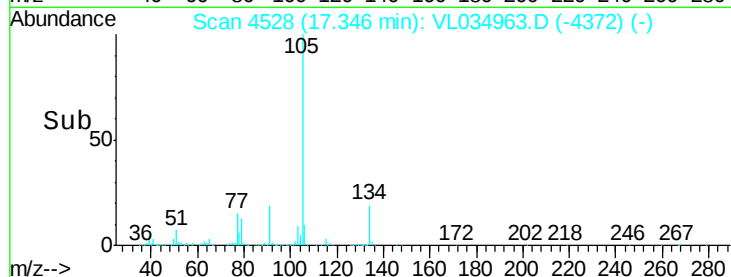
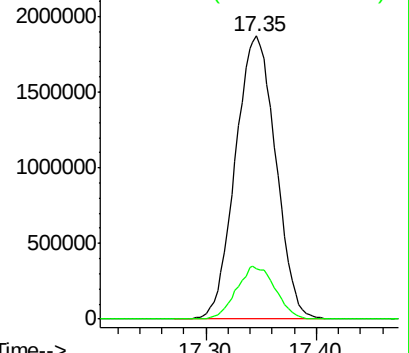
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.252 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

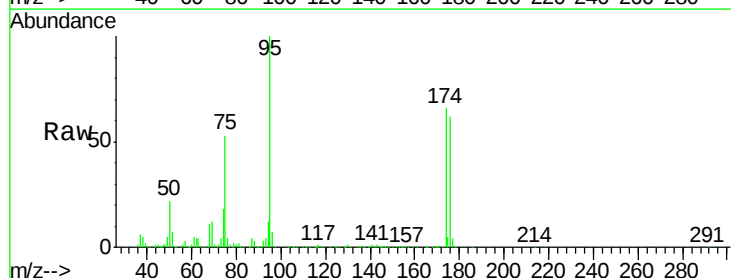
Tgt Ion: 95 Resp: 2016649

Ion Ratio Lower Upper

95 100

174 66.6 51.5 77.3

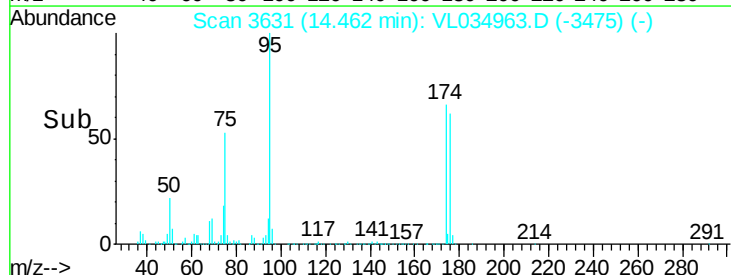
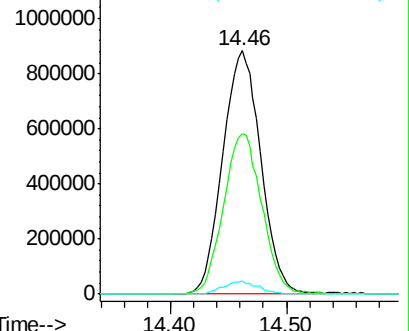
175 4.9 3.8 5.8

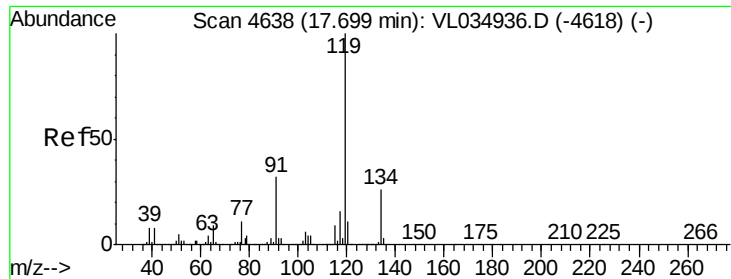


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





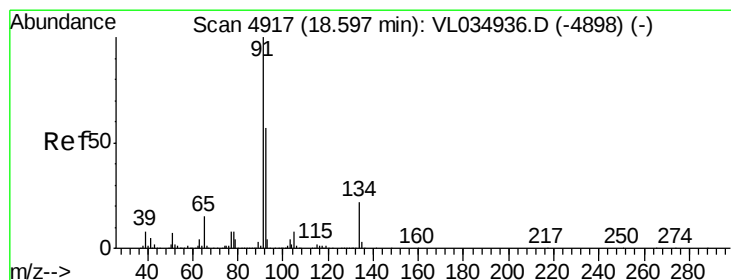
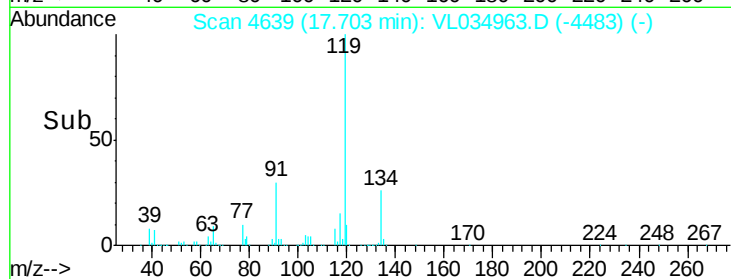
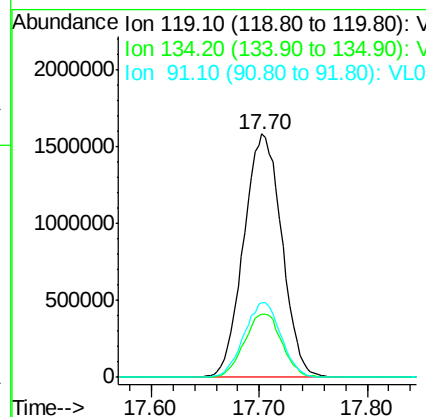
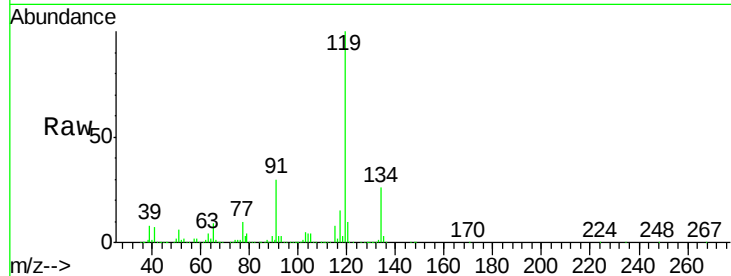
#69
 p-Isopropyltoluene
 Concen: 8.993 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.3	30.5
91	30.0	24.6	36.8

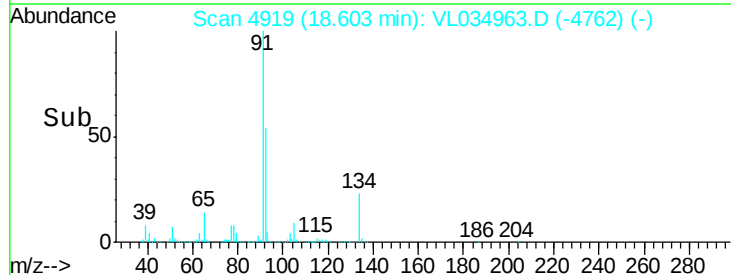
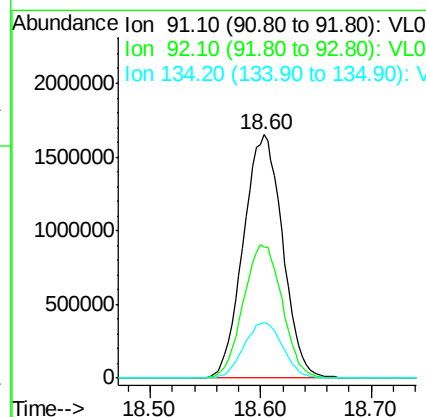
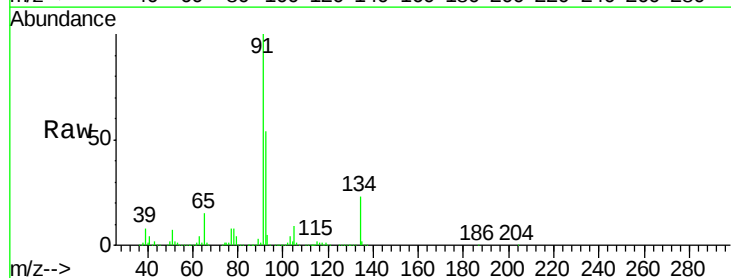
Manual Integrations
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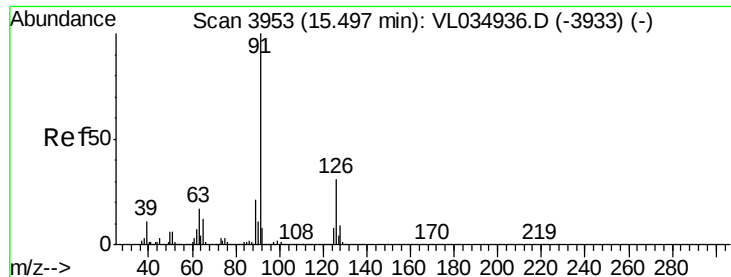
MMDadoda
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#70
 n-Butylbenzene
 Concen: 8.861 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. 0.01 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.4	66.6
134	22.6	18.0	27.0





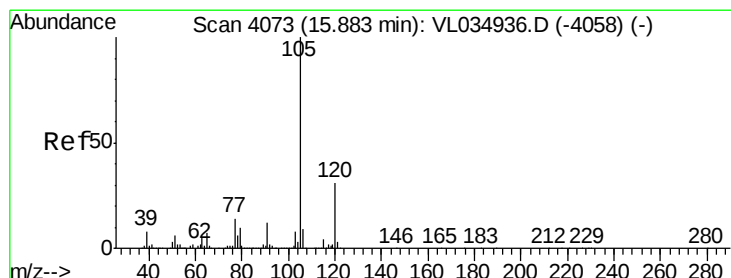
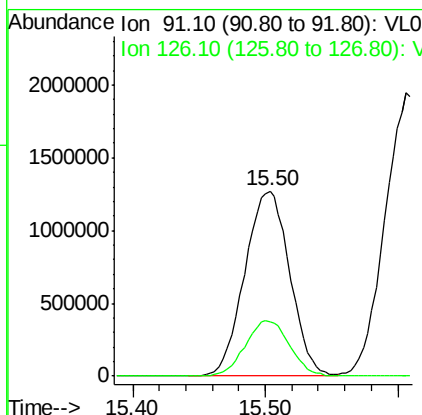
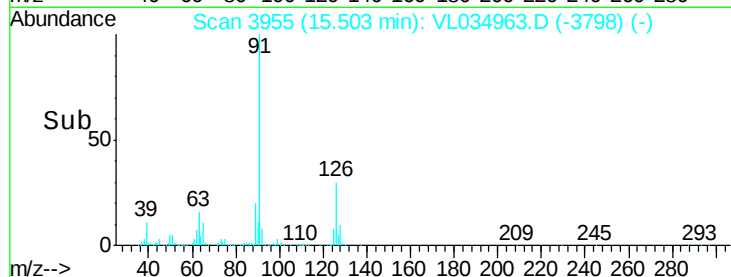
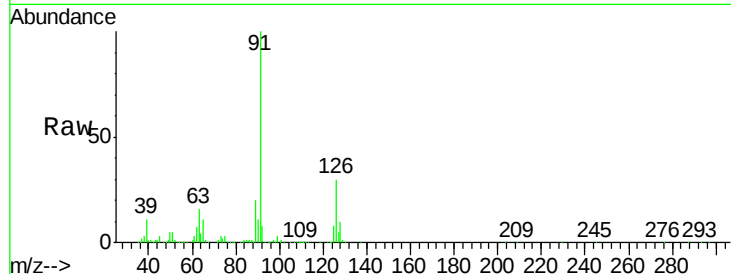
#71
2-Chlorotoluene
Concen: 9.212 ppbv
RT: 15.50 min Scan# 3955
Delta R.T. 0.01 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3001224
Ion Ratio Lower Upper
91 100
126 29.5 12.0 47.8

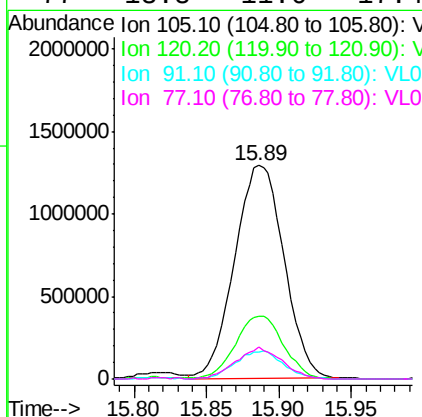
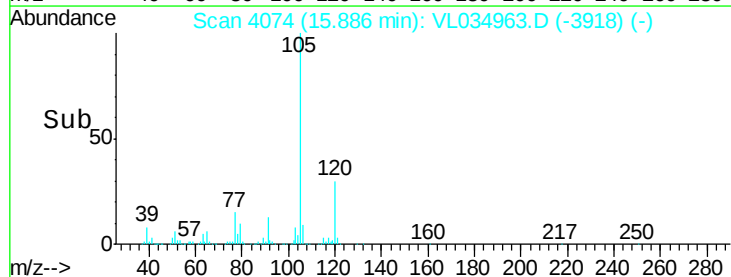
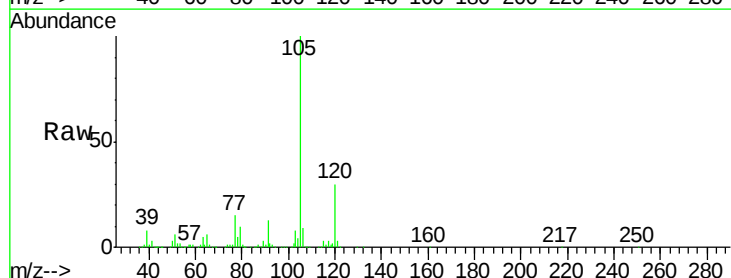
Manual Integrations
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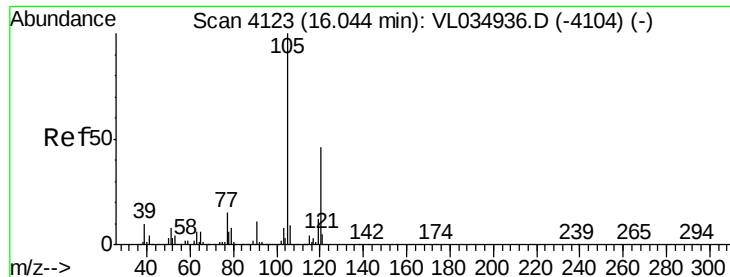
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#72
4-Ethyltoluene
Concen: 9.486 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion: 105 Resp: 3059473
Ion Ratio Lower Upper
105 100
120 29.2 23.8 35.8
91 12.8 10.6 15.8
77 13.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.054 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2841760

Ion Ratio Lower Upper

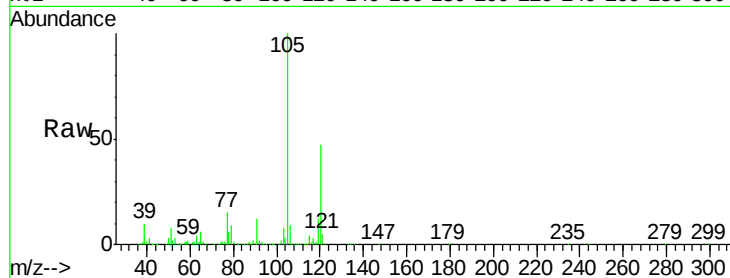
105 100

120 46.5 36.4 54.6

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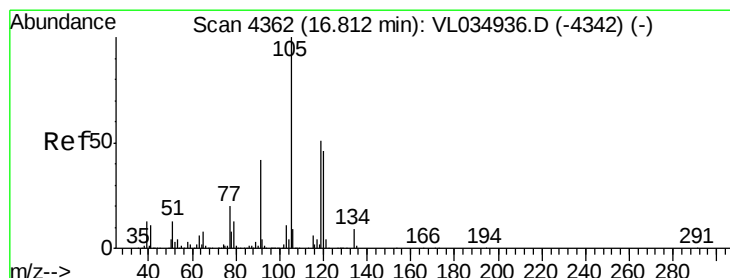
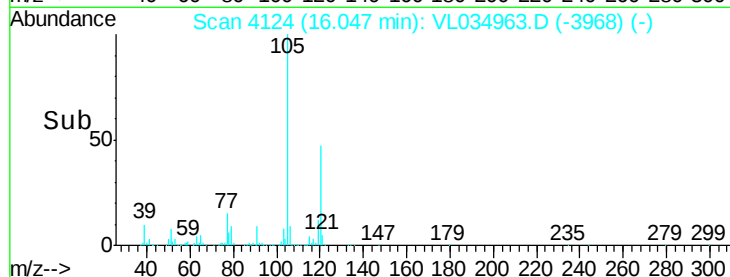
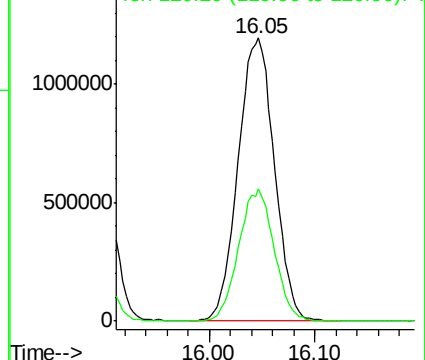
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.496 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. -0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Tgt Ion:105 Resp: 2910973

Ion Ratio Lower Upper

105 100

120 45.4 36.8 55.2

91 51.1 35.4 53.0

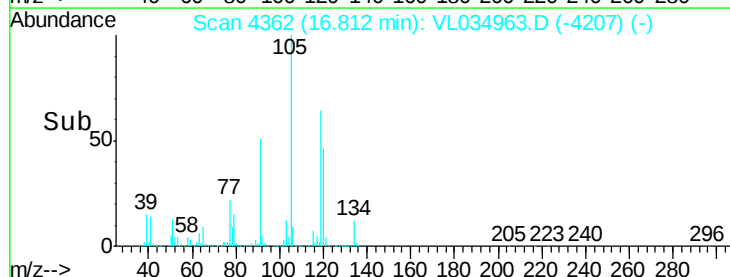
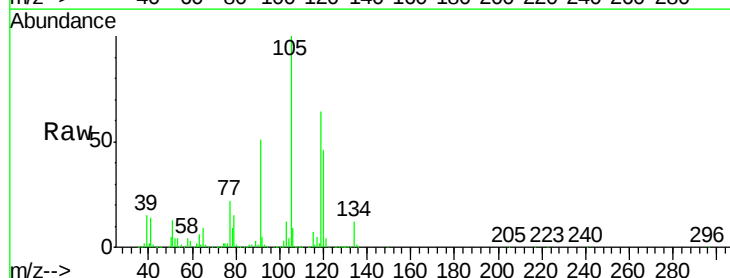
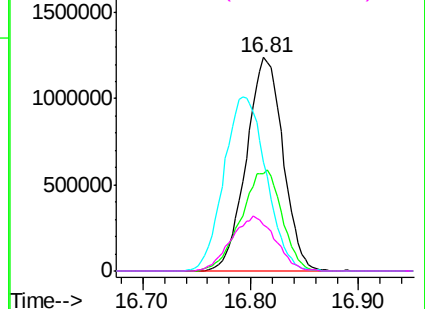
77 21.7 16.2 24.2

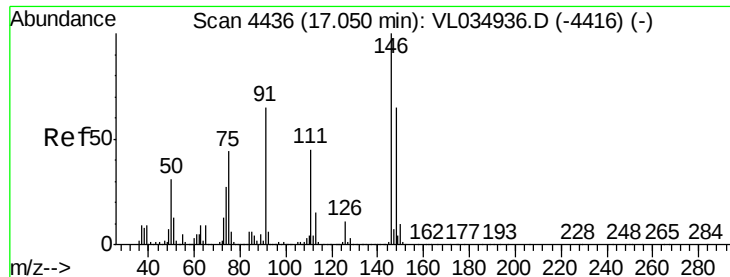
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.250 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1659673

Ion Ratio Lower Upper

146 100

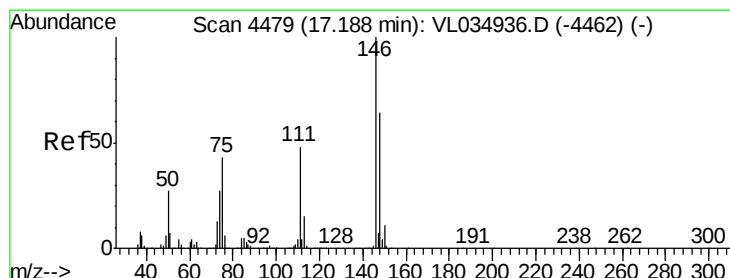
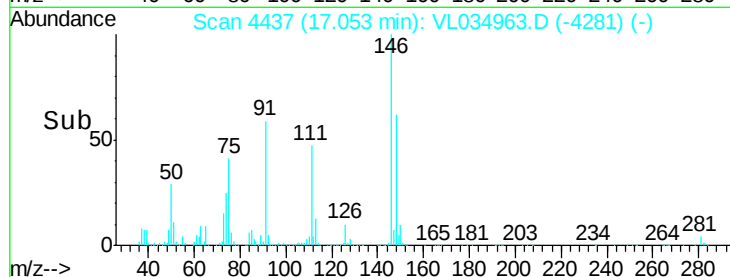
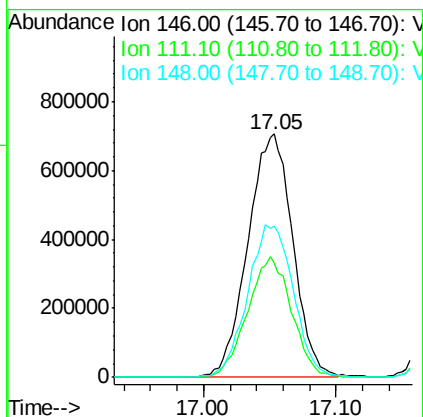
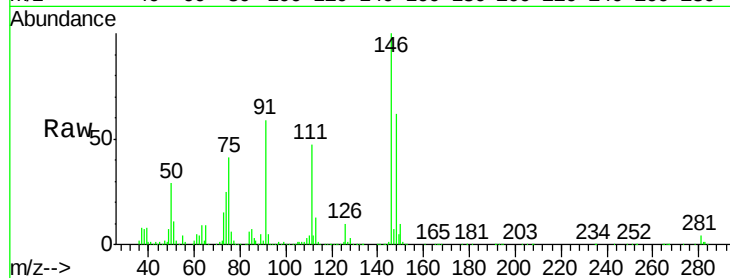
111 48.8 24.0 72.0

148 64.3 32.6 97.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.833 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.00 min

Lab File: VL034963.D

Acq: 7 May 2020 10:53

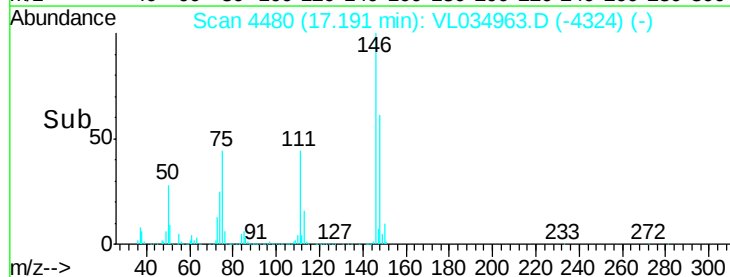
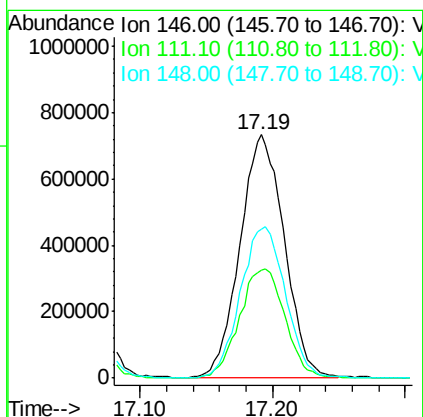
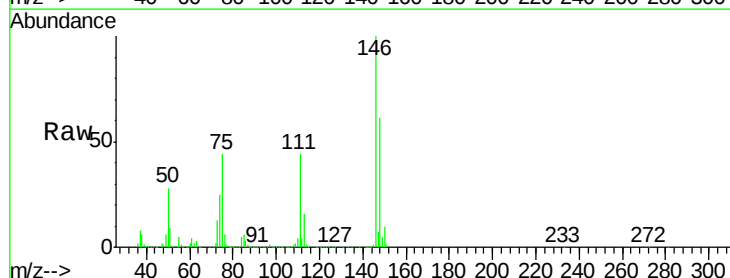
Tgt Ion:146 Resp: 1688435

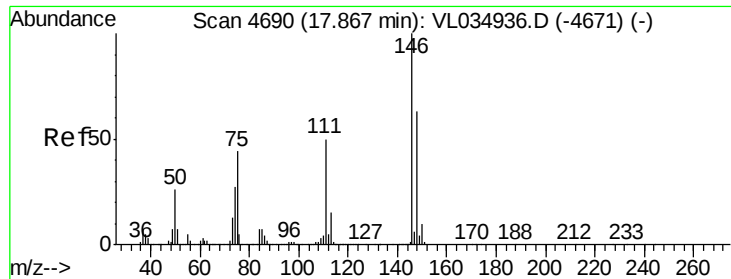
Ion Ratio Lower Upper

146 100

111 46.7 23.7 71.1

148 63.9 32.6 97.8





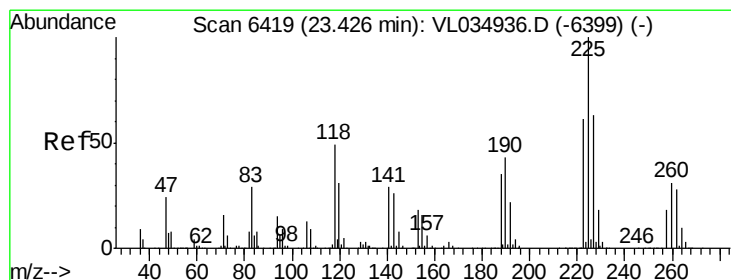
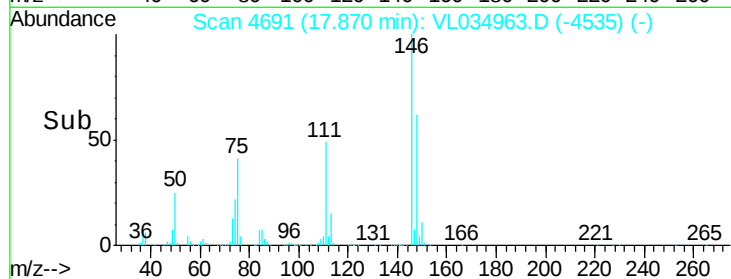
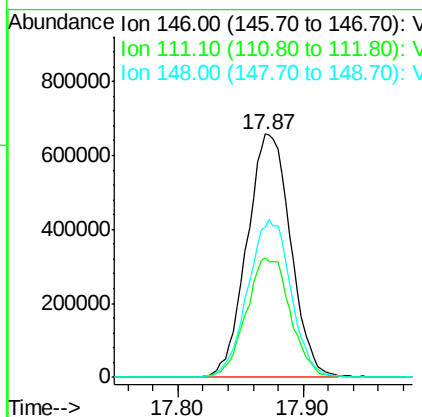
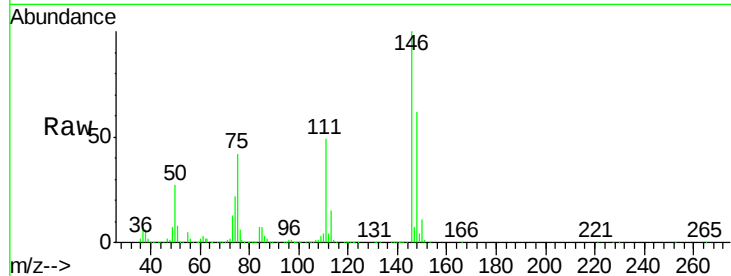
#77
 1,2-Dichlorobenzene
 Concen: 8.398 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.5	73.5
148	64.2	31.7	95.1

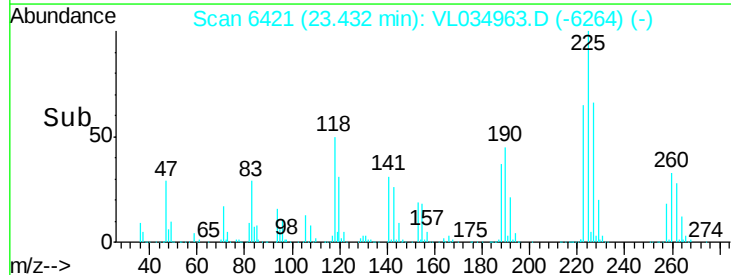
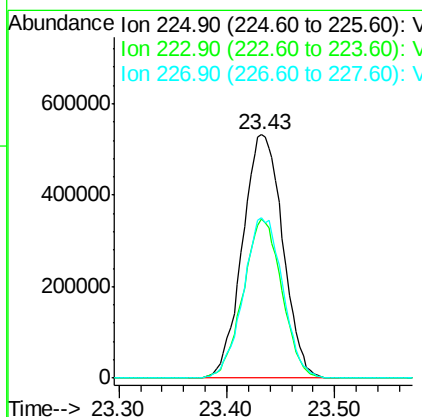
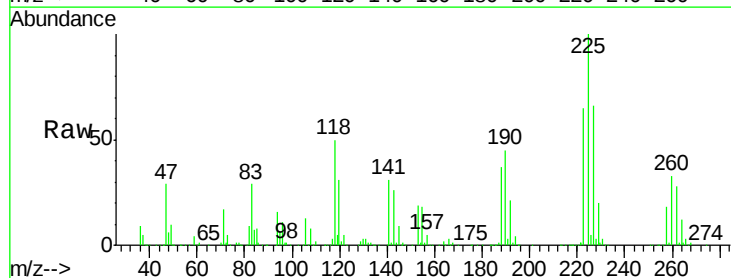
Manual Integrations
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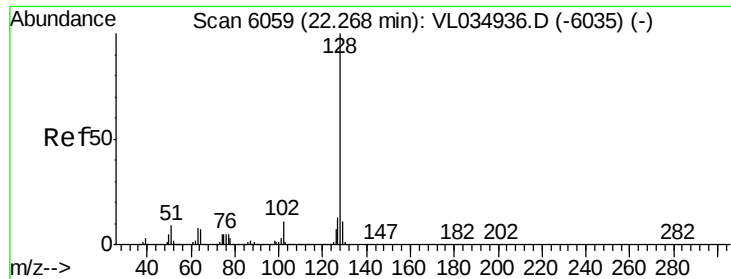
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.536 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.8
227	64.6	51.8	77.6





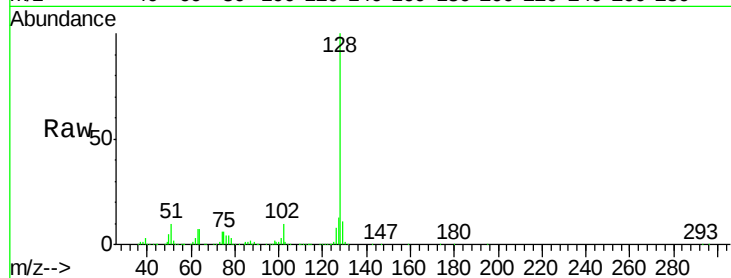
#79
Naphthalene
Concen: 11.197 ppbv
RT: 22.27 min Scan# 6061
Delta R.T. 0.01 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

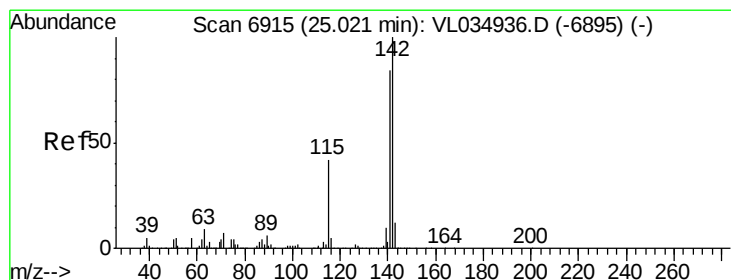
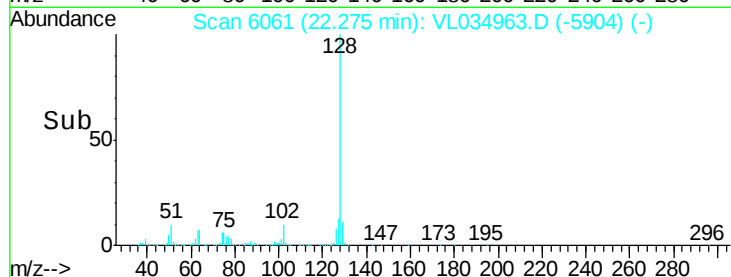
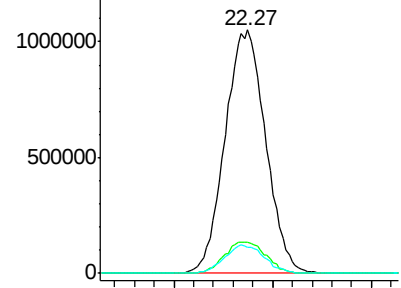
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.8	9.0	13.4

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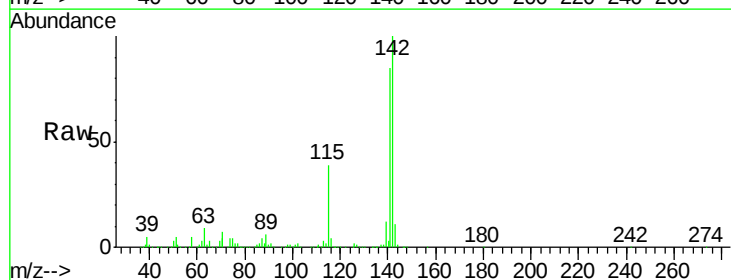


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

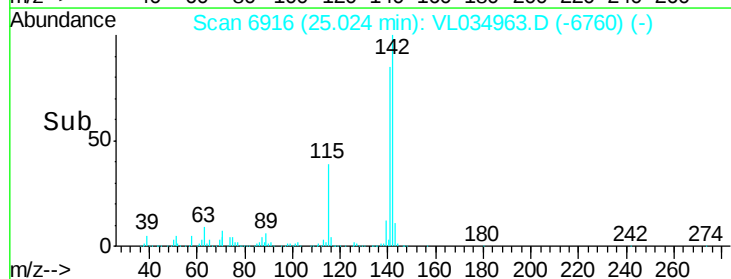
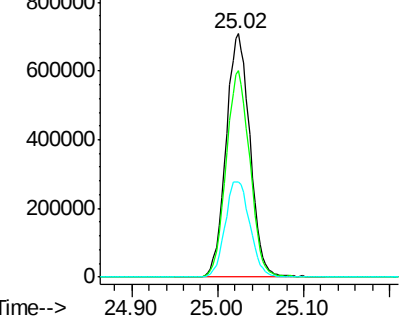


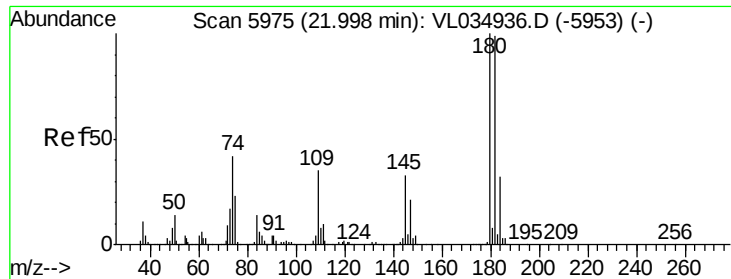
#80
Naphthalene, 2-methyl-
Concen: 20.811 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.00 min
Lab File: VL034963.D
Acq: 7 May 2020 10:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.6	102.8
115	40.8	33.9	50.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





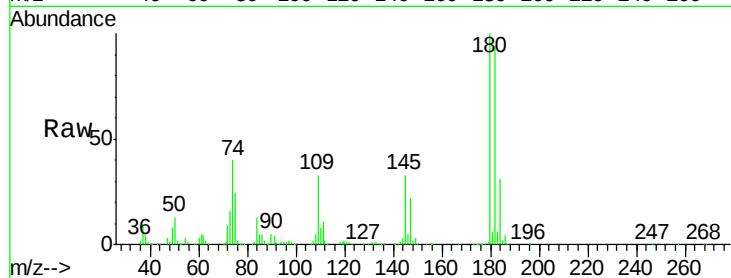
#81
 1,2,4-Trichlorobenzene
 Concen: 9.769 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL034963.D
 Acq: 7 May 2020 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.5	116.3
184	31.1	24.8	37.2

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

