

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035970.D
 Acq On : 18 Nov 2020 10:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:27:15 PM

Quant Time: Nov 19 08:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1178821	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4575062	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4578308m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	3328712	10.23	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1635958	7.371	ppbv 99
3) Chlorodifluoromethane	2.96	51	1342192	9.508	ppbv 99
4) Chloromethane	3.11	50	666810	9.723	ppbv 100
5) Vinyl Chloride	3.23	62	854821	9.778	ppbv 98
6) Bromomethane	3.45	94	701616	9.979	ppbv 100
7) Chloroethane	3.53	64	320723	10.424	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	2438000	9.599	ppbv 95
9) Propene	2.98	41	507808	9.828	ppbv 99
10) Heptane	8.09	43	1445113	10.126	ppbv 99
11) Trichlorofluoromethane	3.92	101	2743291	9.844	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2081254	10.031	ppbv 95
13) Ethanol	3.58	45	95493	8.519	ppbv 94
14) Bromoethene	3.71	108	920364	9.638	ppbv 99
15) Acetone	3.82	43	1170353	9.287	ppbv 98
16) 1,3-Butadiene	3.30	39	520953	9.601	ppbv 98
17) tert-Butyl alcohol	4.26	59	1618591	9.691	ppbv 99
18) 1,1-Dichloroethene	4.26	96	966783	10.148	ppbv 98
19) Isopropyl Alcohol	3.94	45	751758	9.707	ppbv 99
20) Methylene Chloride	4.31	84	794872	8.959	ppbv 99
21) Allyl Chloride	4.38	41	707956	10.388	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	967303	10.016	ppbv 98
23) Vinyl Acetate	5.04	43	1692133	9.579	ppbv 100
24) 1,1-Dichloroethane	4.98	63	1672890	9.940	ppbv 99
25) Ethyl Acetate	5.65	43	2484752	10.008	ppbv 100
26) Hexane	5.65	57	1329789	9.712	ppbv 100
27) Carbon Disulfide	4.52	76	2114228	10.305	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	2297381	9.343	ppbv 100
29) Chloroform	5.72	83	2601860	9.668	ppbv 98
30) Cyclohexane	7.10	84	1409269	9.450	ppbv 99
31) cis-1,2-Dichloroethene	5.52	61	1377023	9.776	ppbv 97
32) 1,1,1-Trichloroethane	6.48	97	2513233	8.949	ppbv 99
34) 2-Butanone	5.21	43	1590084	10.709	ppbv 99
35) Carbon Tetrachloride	6.99	117	2496531	10.213	ppbv 100
36) Benzene	6.86	78	3316954	9.752	ppbv 100
37) 1,2-Dichloroethane	6.28	62	1624954	10.546	ppbv 100
38) Trichloroethene	7.80	130	1521359	9.157	ppbv 95
39) 1,2-Dichloropropane	7.58	63	1146906	10.016	ppbv 97
40) 1,4-Dioxane	7.80	88	546137	10.063	ppbv 99
41) Tetrahydrofuran	6.02	42	924995	10.965	ppbv 100
42) Bromodichloromethane	7.76	83	2700954	10.388	ppbv 99
43) Methyl Methacrylate	7.98	69	1366808	10.535	ppbv 99

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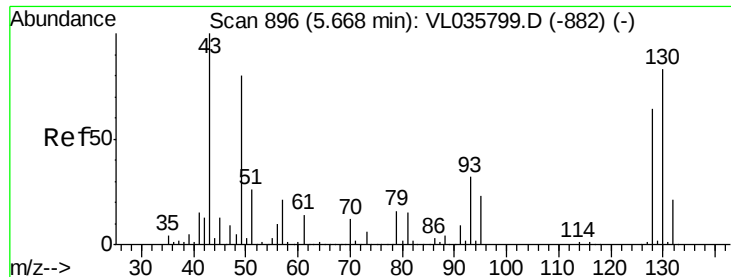
Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4536547	10.079	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	1448172	10.530	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1804293	10.359	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1545805	9.907	ppbv	98
48) Dibromochloromethane	10.27	129	2465752	10.344	ppbv	100
49) Bromoform	13.01	173	2025484	10.070	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2429586	10.701	ppbv	100
51) 2-Hexanone	10.10	43	1961510	10.755	ppbv	99
52) Tetrachloroethene	11.19	164	1387007	8.607	ppbv	96
53) Toluene	9.77	91	4004115	9.756	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2340511	9.863	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1915335	9.321	ppbv #	92
57) Chlorobenzene	12.11	112	3200045	8.791	ppbv	99
58) Ethyl Benzene	12.68	91	5114005	9.171	ppbv	99
59) m/p-Xylene	12.96	91	8672515m	18.383	ppbv	
60) o-Xylene	13.66	91	4228086	9.213	ppbv	100
61) Styrene	13.50	104	3198133	9.511	ppbv	100
62) Isopropylbenzene	14.64	105	6306111	8.742	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3022579	8.500	ppbv	100
64) n-propylbenzene	15.53	120	1858704	8.915	ppbv	98
65) tert-Butylbenzene	16.72	119	5580931	8.500	ppbv	100
66) Benzyl Chloride	16.96	91	1962324	9.042	ppbv	99
67) sec-Butylbenzene	17.27	105	7543871	8.526	ppbv	99
69) p-Isopropyltoluene	17.63	119	6189021	8.476	ppbv	99
70) n-Butylbenzene	18.52	91	6086542	8.656	ppbv	100
71) 2-Chlorotoluene	15.42	91	4725792	8.957	ppbv	99
72) 4-Ethyltoluene	15.81	105	4955735	8.904	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4567017	8.966	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4732928	8.672	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2921026	8.405	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2873497	8.571	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2817939	8.318	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1280574	8.101	ppbv	100
79) Naphthalene	22.17	128	3164069	8.316	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	512472	8.265	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1666345	7.839	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1178821

Ion Ratio Lower Upper

49 100

128 82.1 41.5 124.6

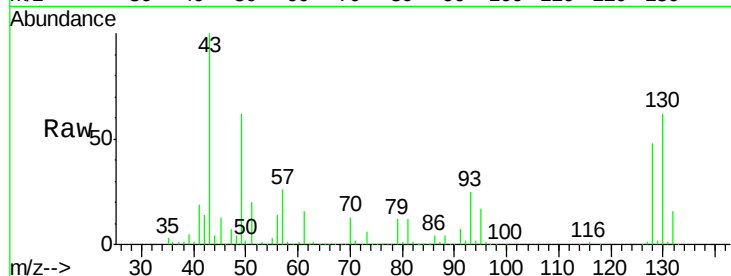
130 105.1 53.7 161.1

Manual Integrations

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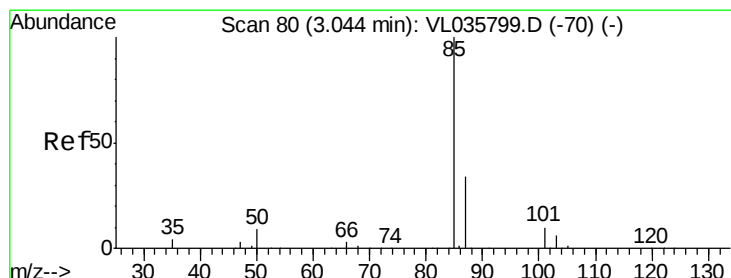
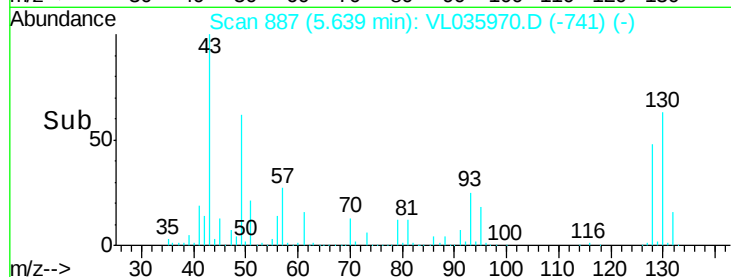
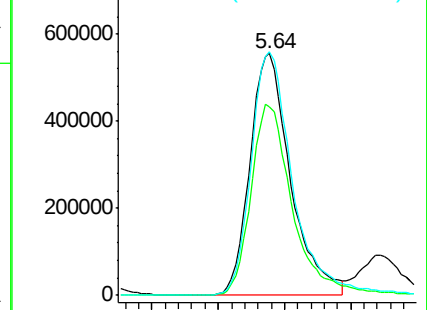
11/20/2020 12:27:15 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.371 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035970.D

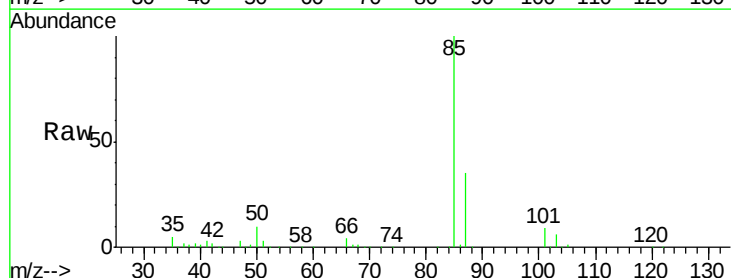
Acq: 18 Nov 2020 10:19

Tgt Ion: 85 Resp: 1635958

Ion Ratio Lower Upper

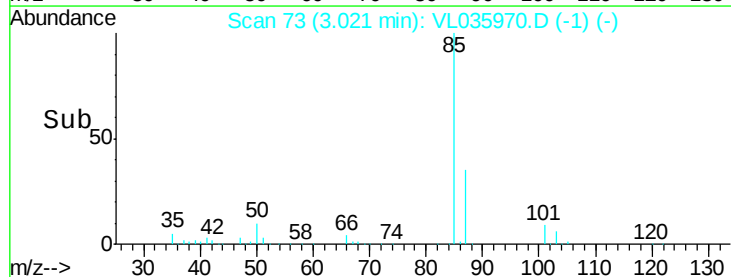
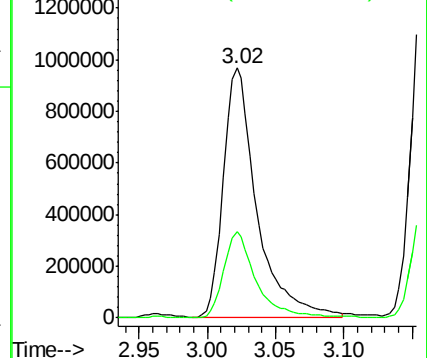
85 100

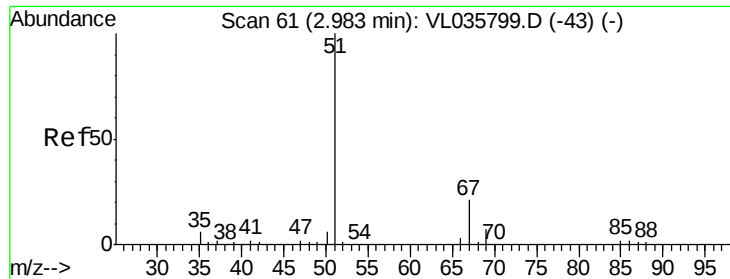
87 34.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.508 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tot Ion: 51 Resp: 1342192

Ion Ratio Lower Upper

51 100

67 21.4 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

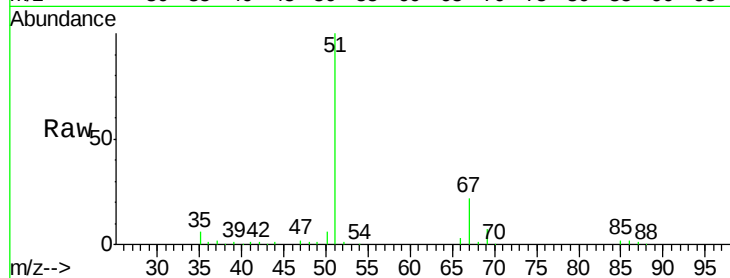
VSTDCCC010

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

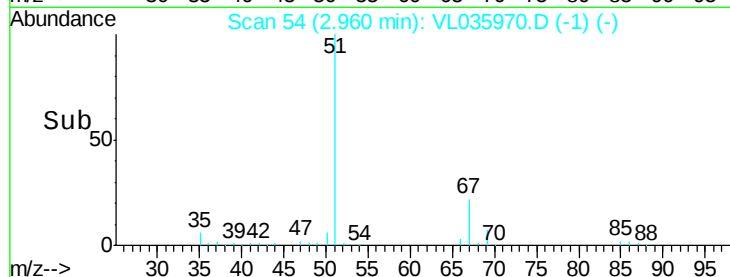
600000

400000

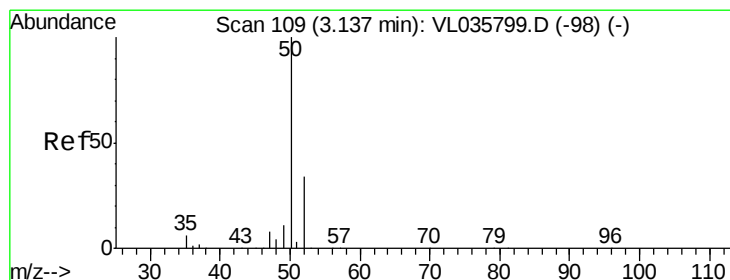
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.723 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035970.D

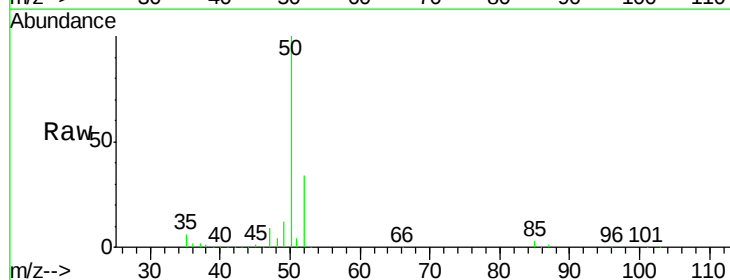
Acq: 18 Nov 2020 10:19

Tgt Ion: 50 Resp: 666810

Ion Ratio Lower Upper

50 100

52 33.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

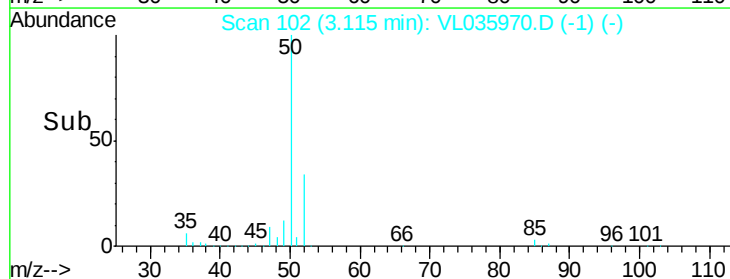
300000

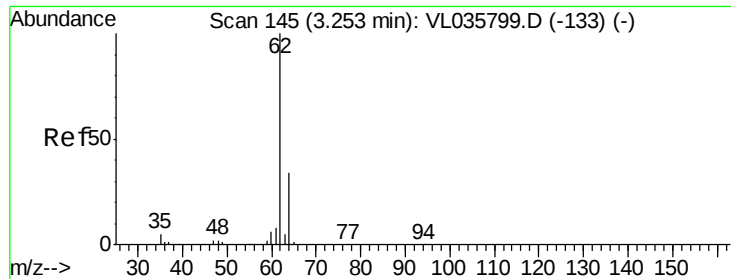
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.778 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 854821

Ion Ratio Lower Upper

62 100

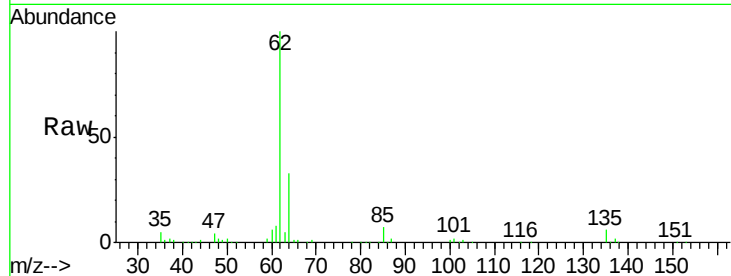
64 32.6 26.9 40.3

Manual Integrations

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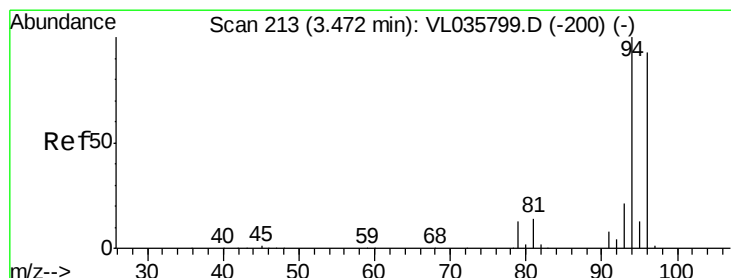
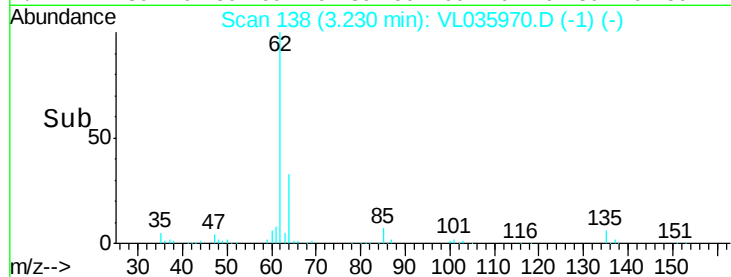
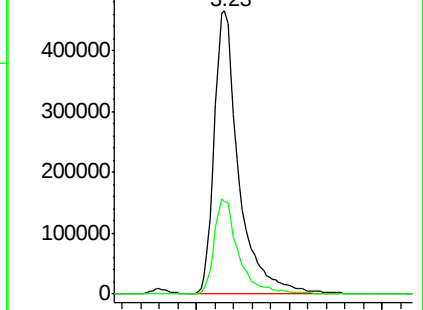
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.979 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035970.D

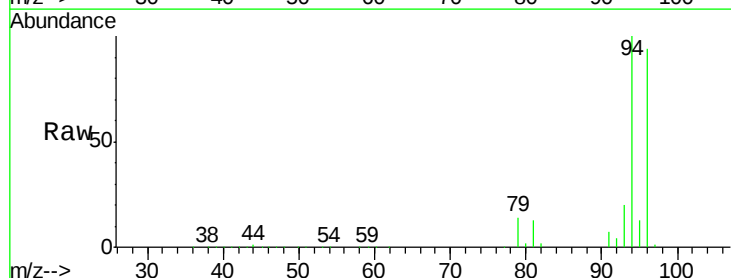
Acq: 18 Nov 2020 10:19

Tgt Ion: 94 Resp: 701616

Ion Ratio Lower Upper

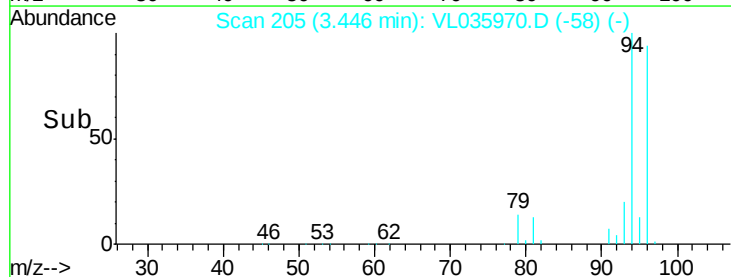
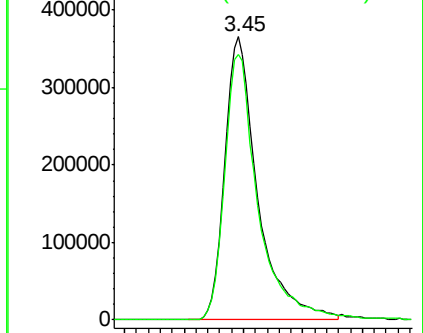
94 100

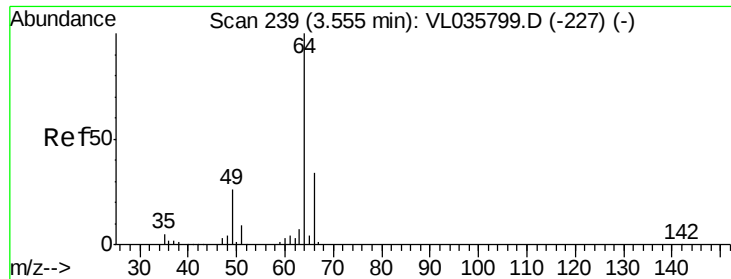
96 93.7 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.424 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 320723

Ion Ratio Lower Upper

64 100

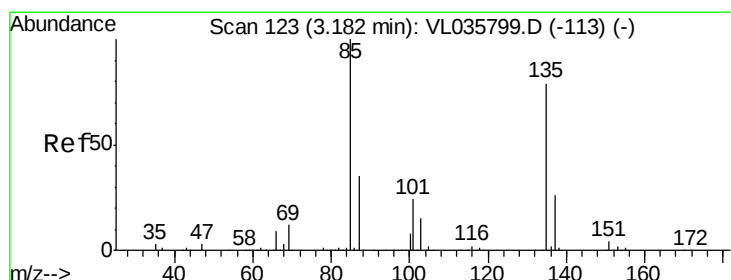
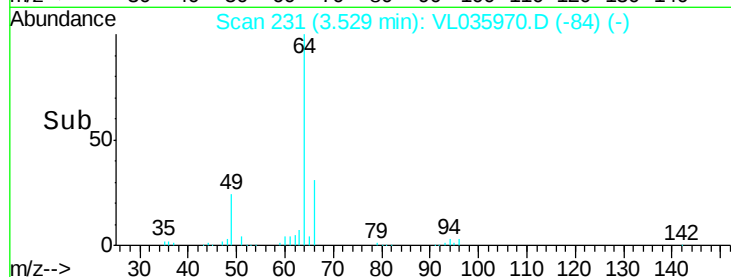
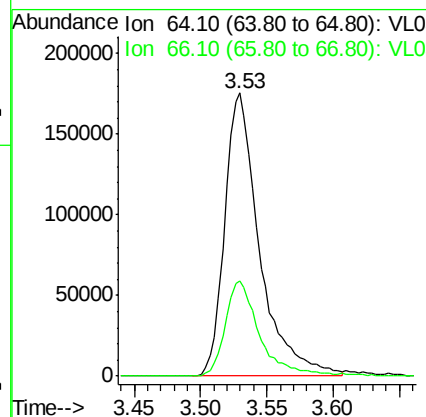
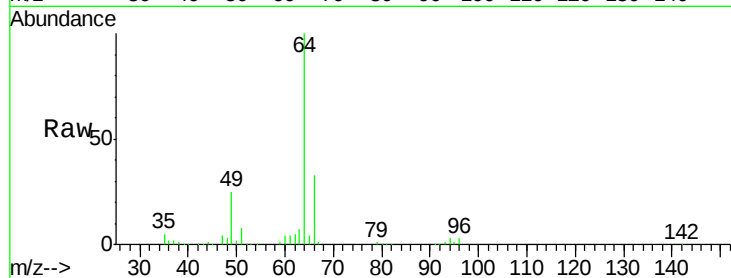
66 33.4 27.0 40.6

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#8

Dichlorotetrafluoroethane

Concen: 9.599 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.02 min

Lab File: VL035970.D

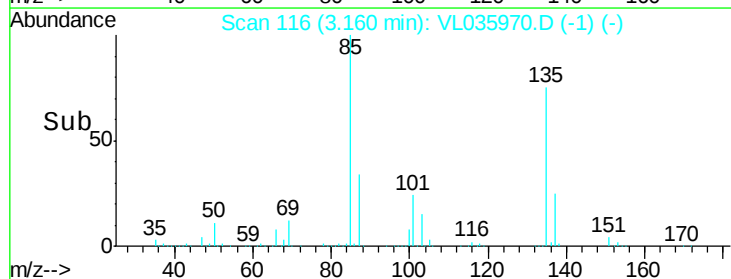
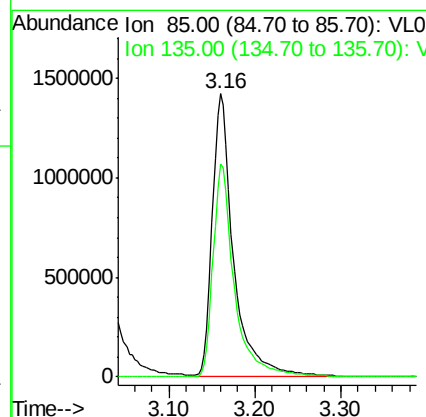
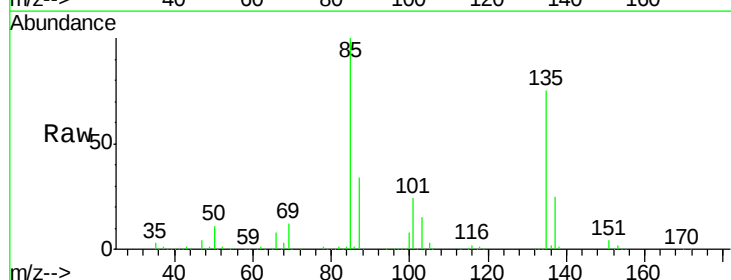
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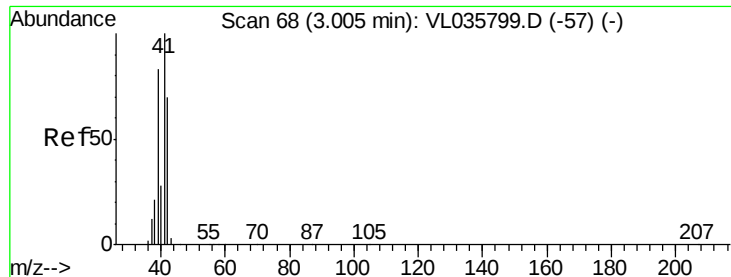
Tgt Ion: 85 Resp: 2438000

Ion Ratio Lower Upper

85 100

135 76.7 64.6 96.8





#9

Propene

Concen: 9.828 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 507808

Ion Ratio Lower Upper

41 100

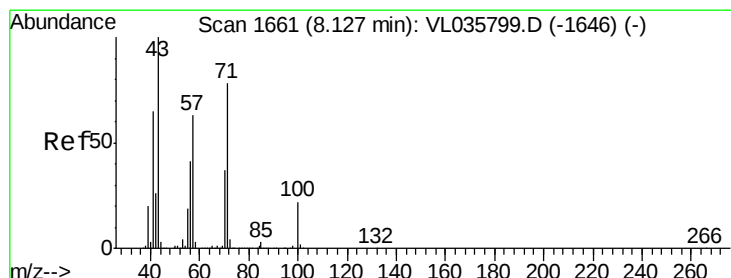
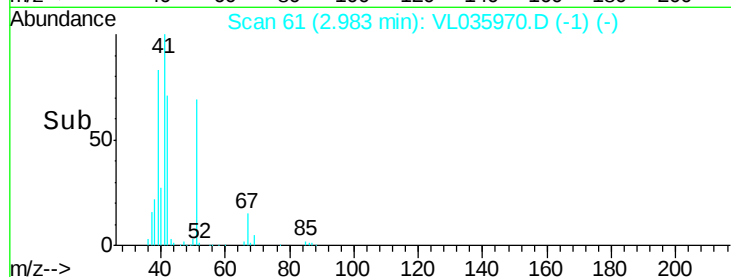
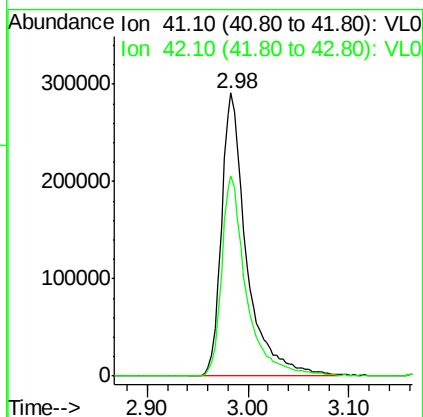
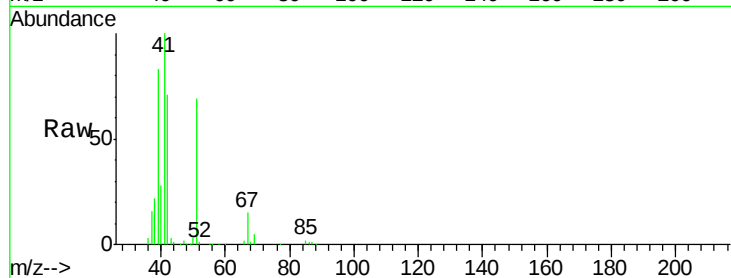
42 69.8 56.2 84.4

Manual Integrations

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11/20/2020 12:27:15 PM



#10

Heptane

Concen: 10.126 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035970.D

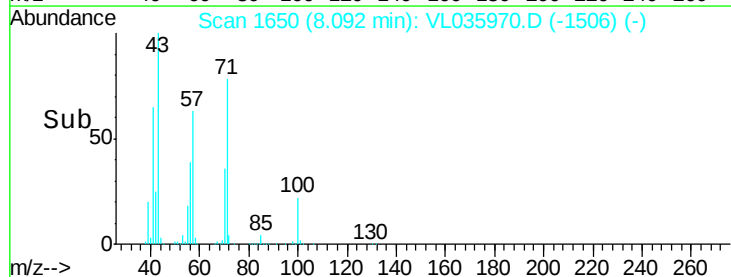
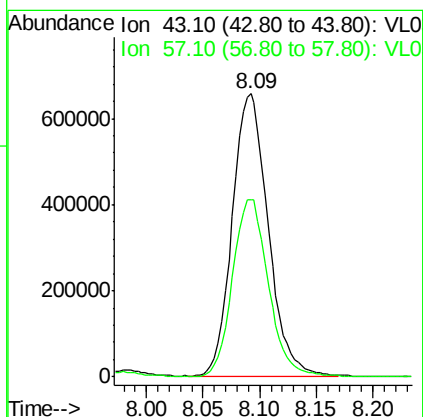
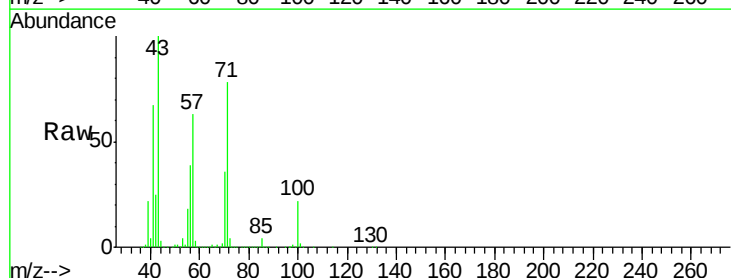
Acq: 18 Nov 2020 10:19

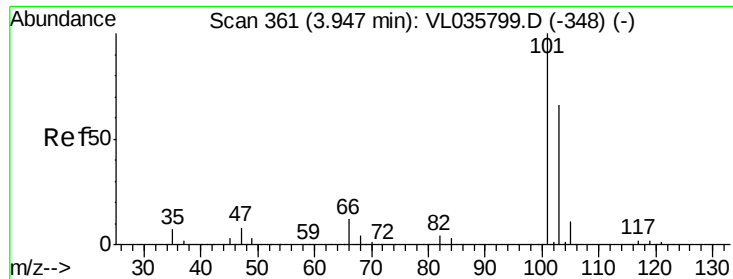
Tgt Ion: 43 Resp: 1445113

Ion Ratio Lower Upper

43 100

57 63.5 50.0 75.0





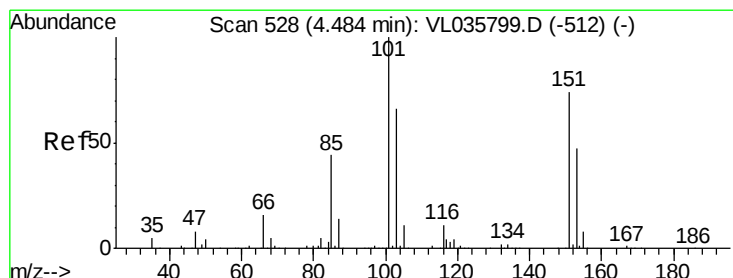
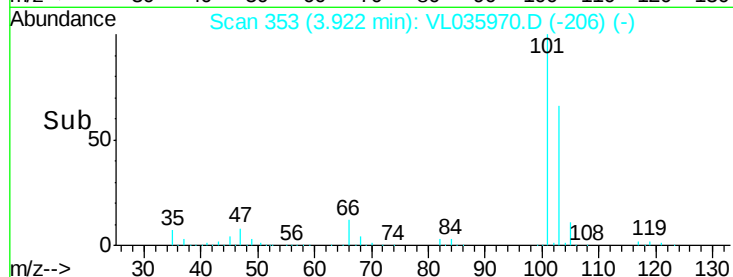
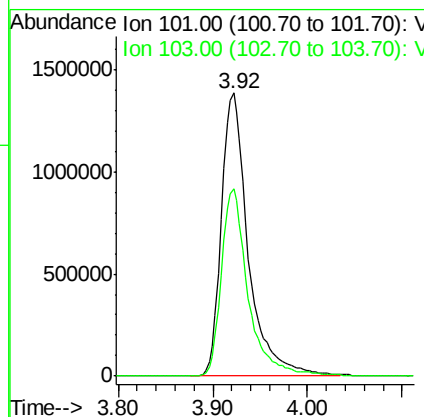
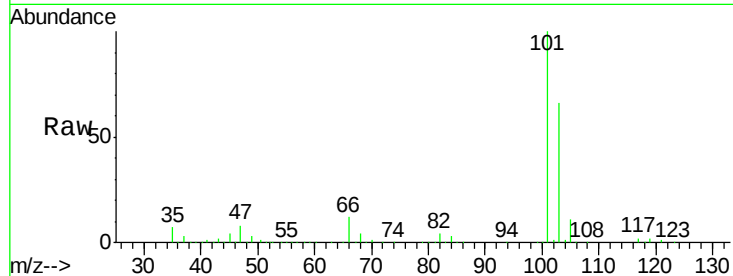
#11
 Trichlorofluoromethane
 Concen: 9.844 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2743291
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

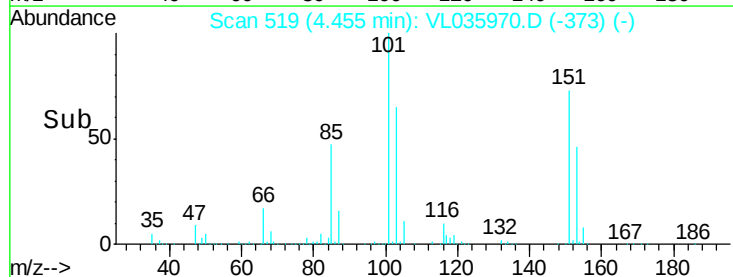
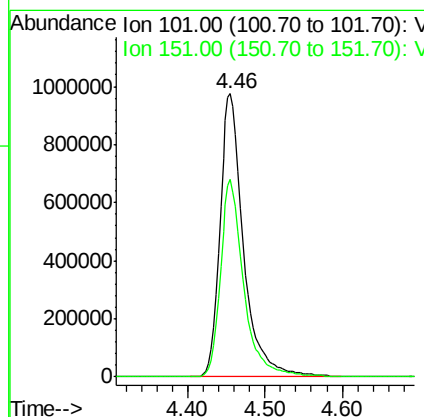
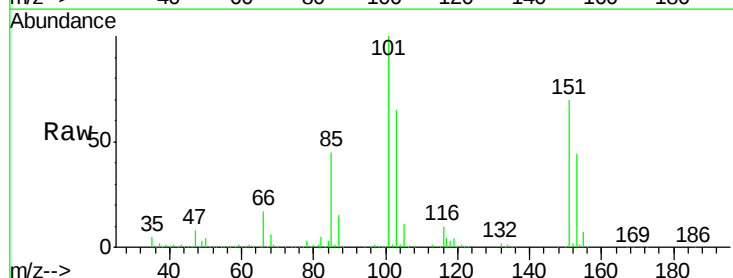
Manual Integrations
 APPROVED

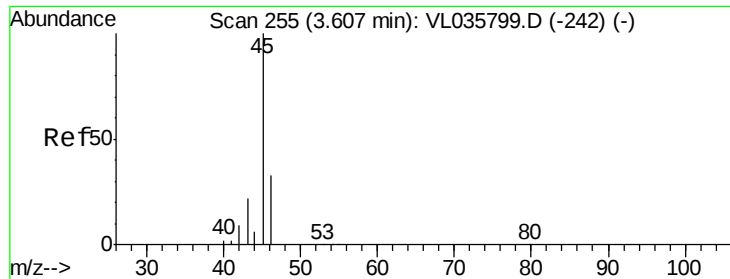
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.031 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion:101 Resp: 2081254
 Ion Ratio Lower Upper
 101 100
 151 69.0 58.9 88.3





#13

Ethanol

Concen: 8.519 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 95493

Ion Ratio Lower Upper

45 100

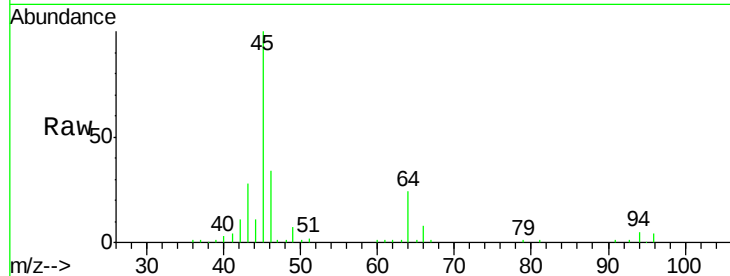
46 36.5 16.1 64.5

Manual Integrations

APPROVED

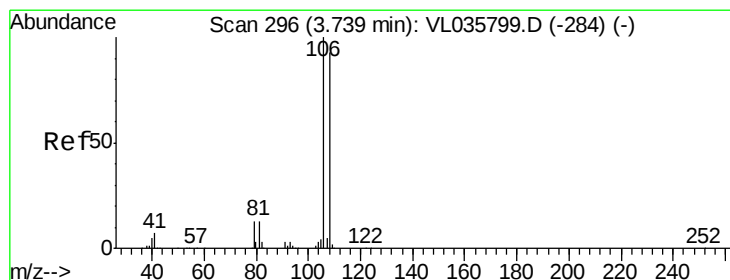
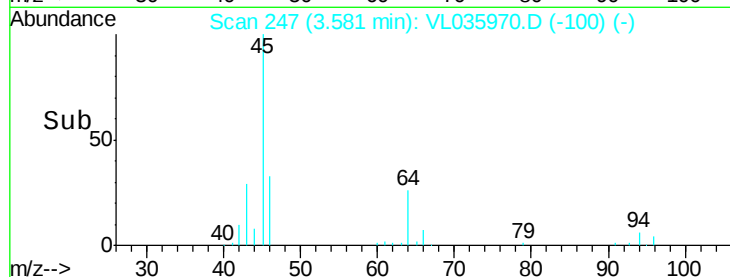
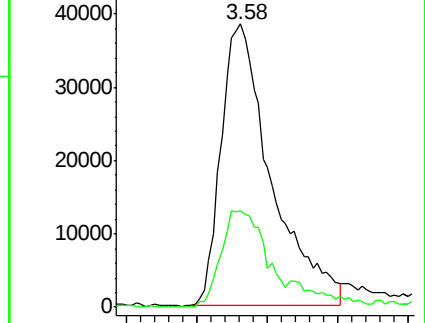
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.638 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

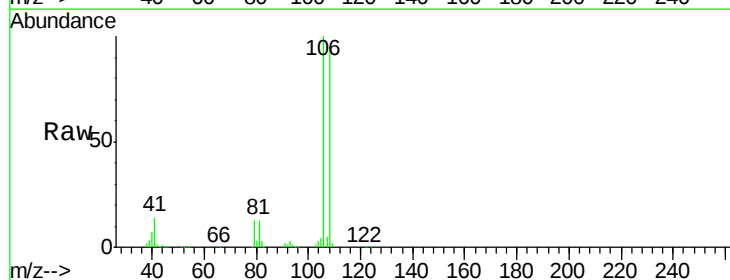
Tgt Ion: 108 Resp: 920364

Ion Ratio Lower Upper

108 100

106 107.3 85.3 127.9

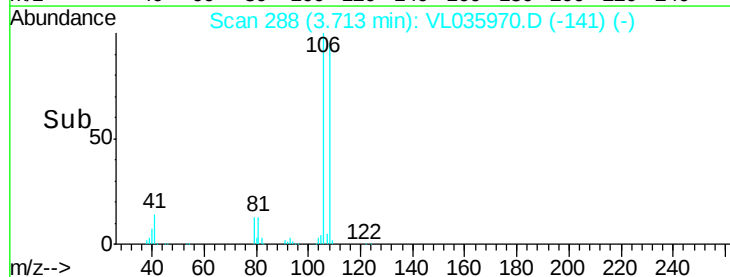
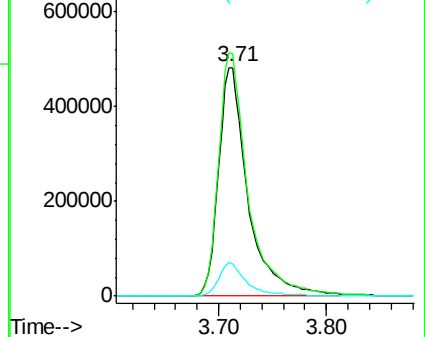
79 14.4 11.6 17.4

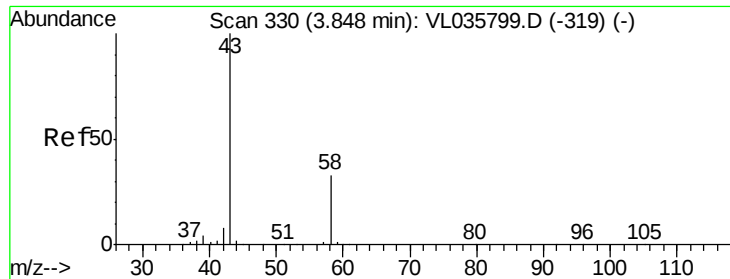


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.287 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1170353

Ion Ratio Lower Upper

43 100

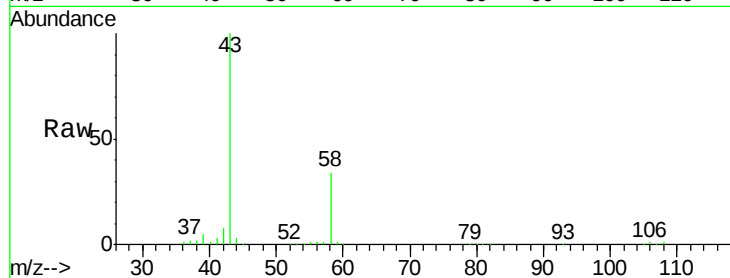
58 35.4 27.5 41.3

Manual Integrations

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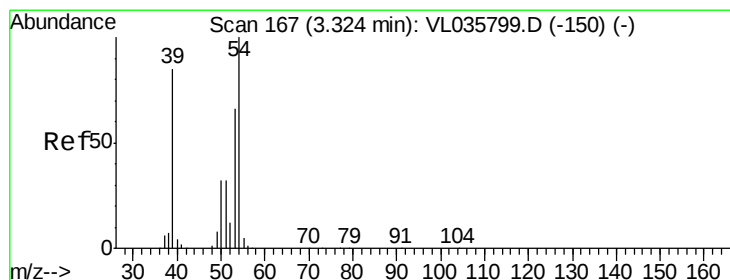
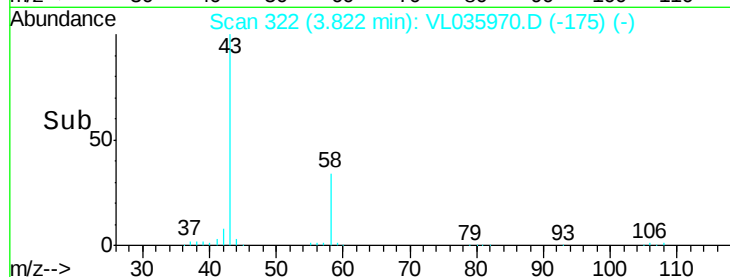
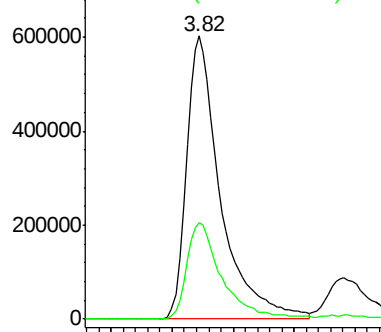
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.601 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL035970.D

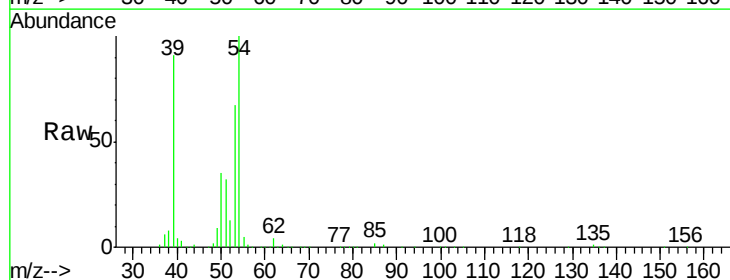
Acq: 18 Nov 2020 10:19

Tgt Ion: 39 Resp: 520953

Ion Ratio Lower Upper

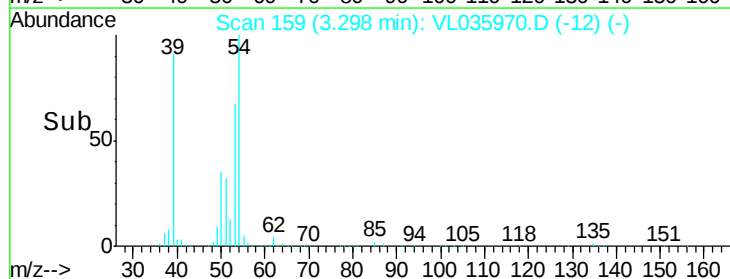
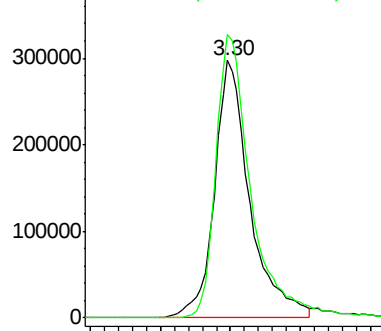
39 100

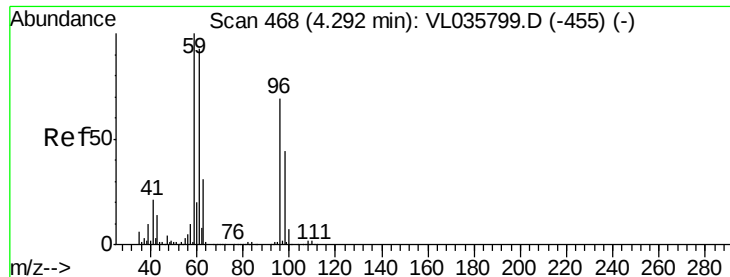
54 111.2 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

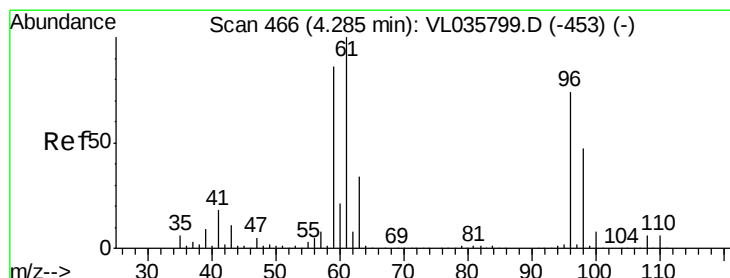
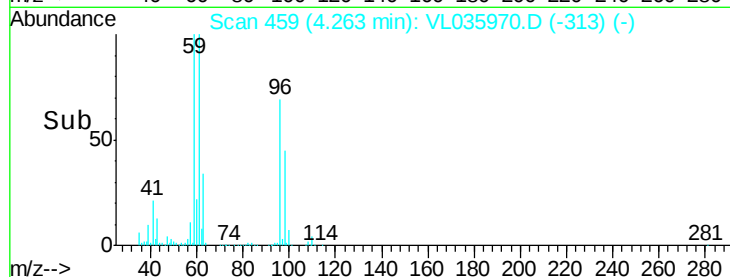
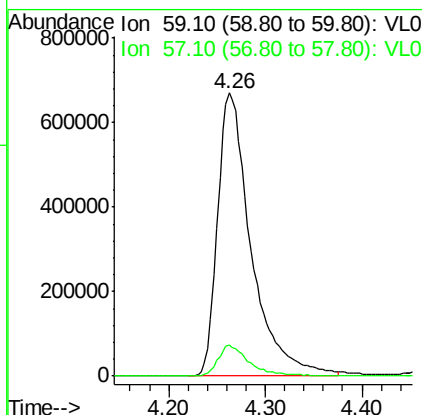
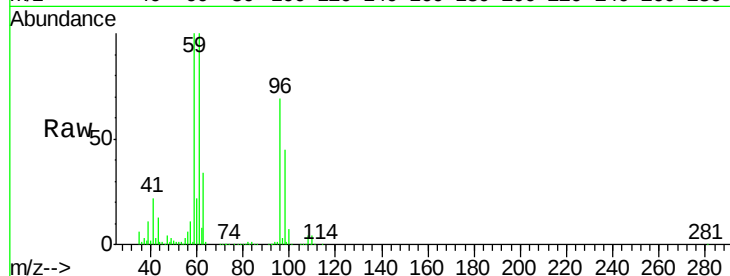
tert-Butyl alcohol
Concen: 9.691 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1618591
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

Manual Integrations
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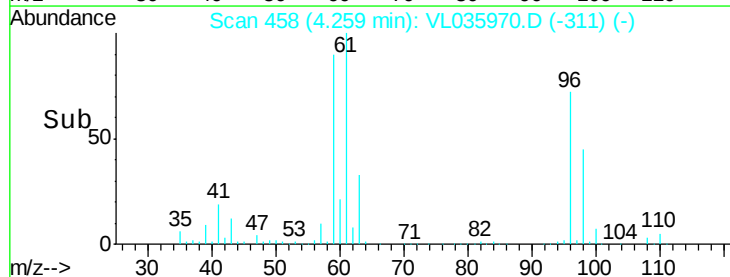
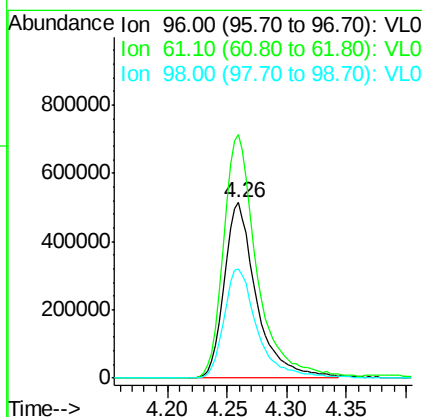
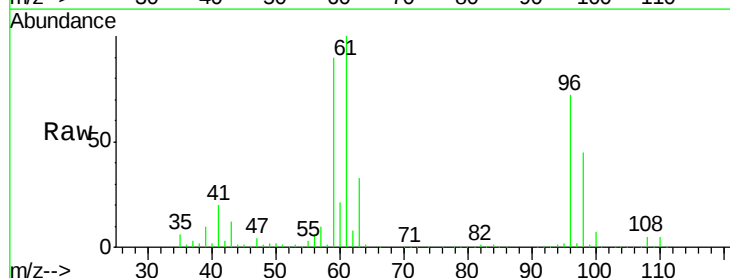
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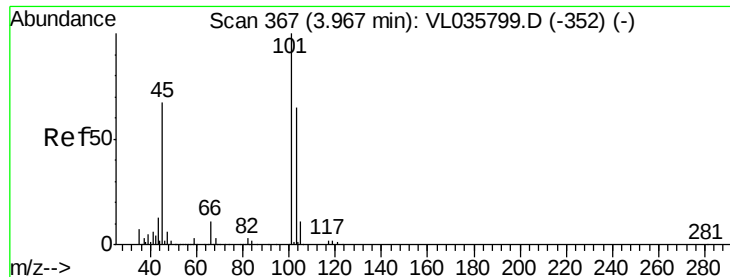


#18

1,1-Dichloroethene
Concen: 10.148 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 96 Resp: 966783
Ion Ratio Lower Upper
96 100
61 138.7 108.5 162.7
98 61.9 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.707 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 751758

Ion Ratio Lower Upper

45 100

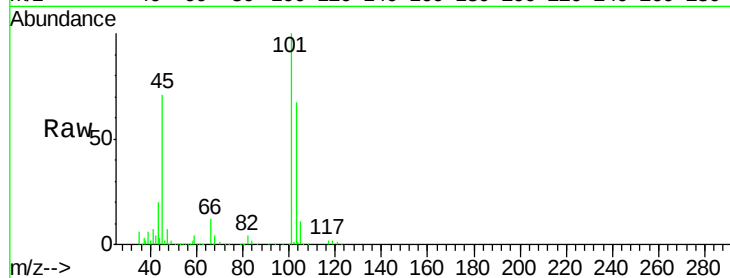
58 2.7 2.6 3.8

Manual Integrations

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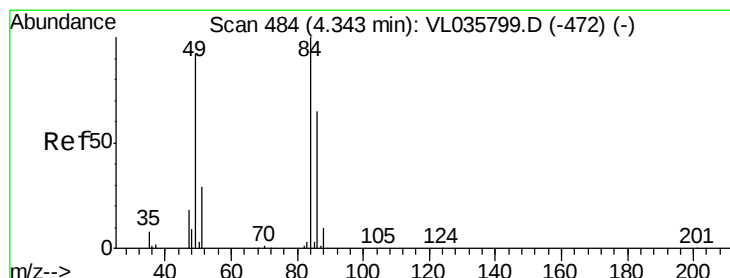
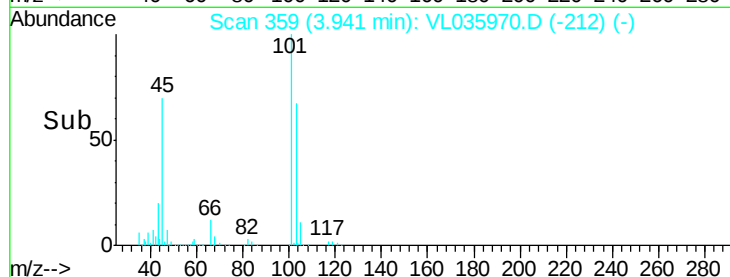
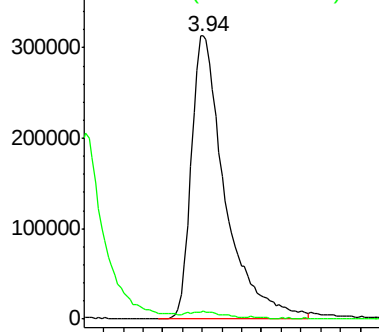
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.959 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion: 84 Resp: 794872

Ion Ratio Lower Upper

84 100

49 92.2 73.8 110.8

51 28.2 23.0 34.4

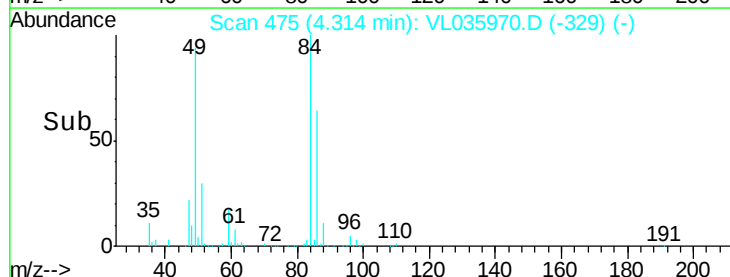
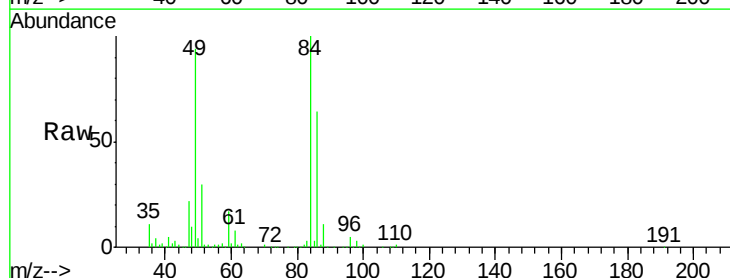
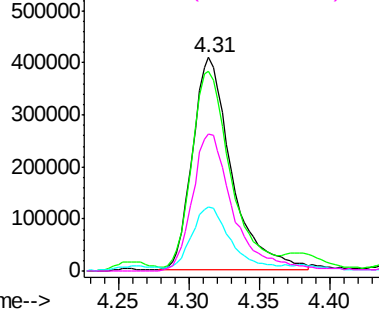
86 64.4 52.1 78.1

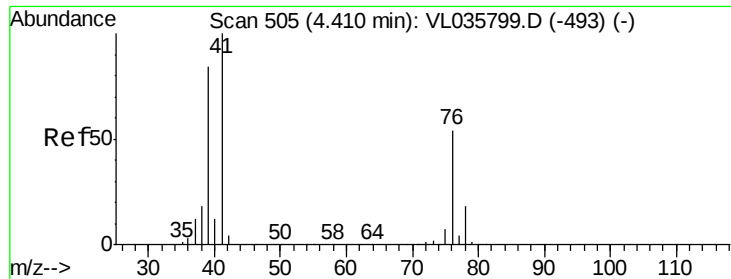
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.388 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

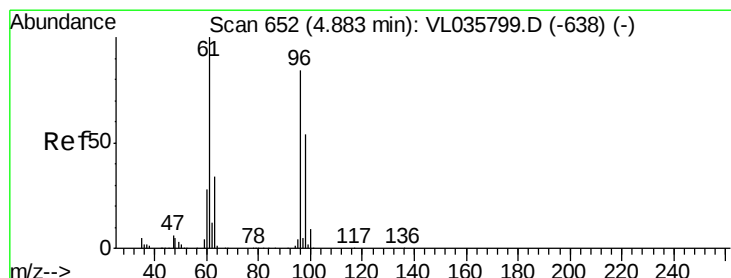
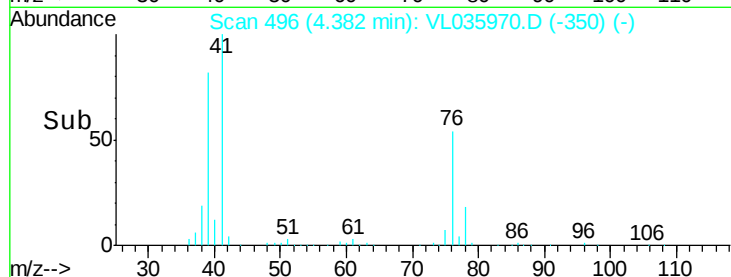
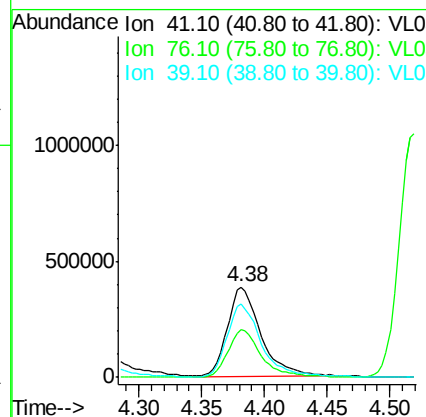
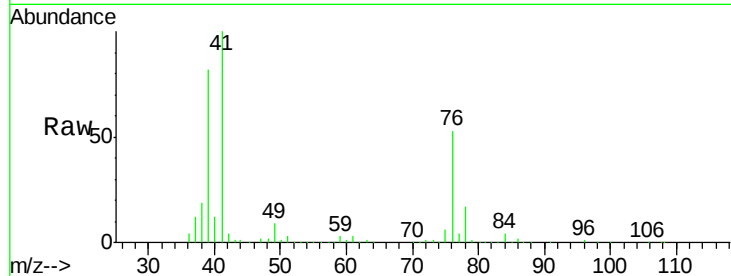
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	707956
Ion	Ratio	Lower	Upper
41	100		
76	54.6	42.6	63.8
39	84.8	67.0	100.4

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.016 ppbv

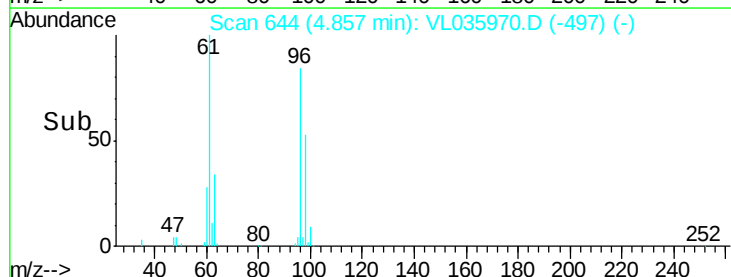
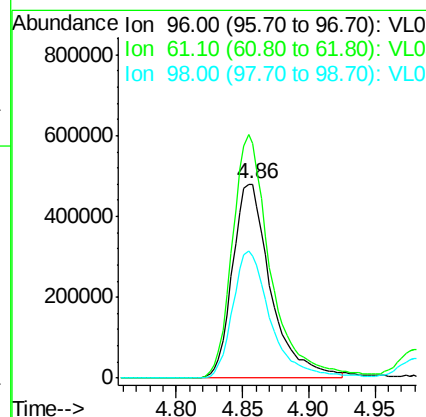
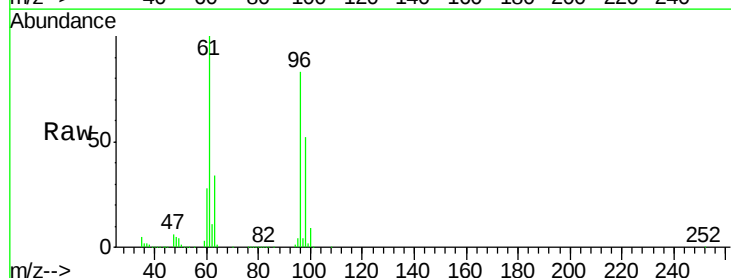
RT: 4.86 min Scan# 644

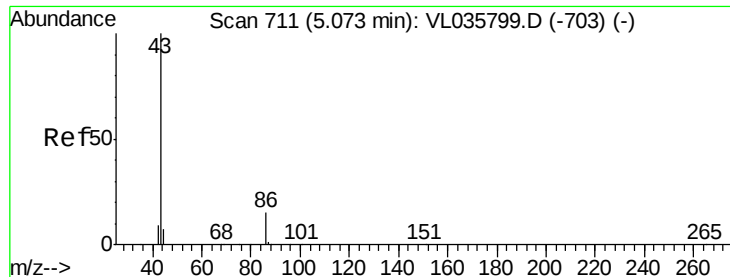
Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion:	96	Resp:	967303
Ion	Ratio	Lower	Upper
96	100		
61	120.7	95.4	143.0
98	62.9	51.8	77.6





#23

Vinyl Acetate

Concen: 9.579 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1692133

Ion Ratio Lower Upper

43 100

86 12.2 9.8 14.6

42 9.8 8.1 12.1

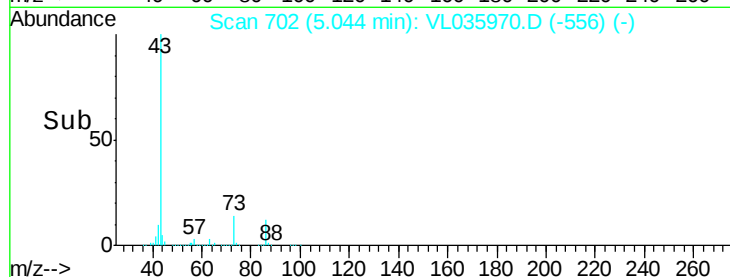
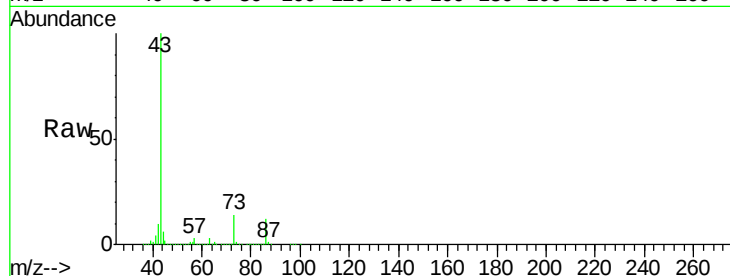
44 5.4 4.2 6.4

Manual Integrations

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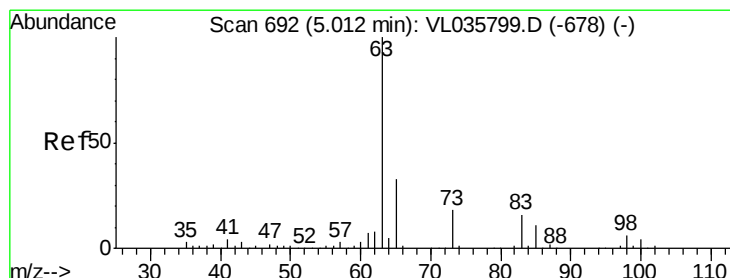
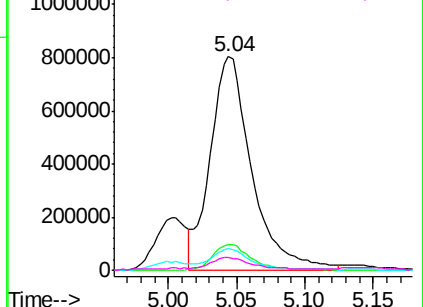


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.940 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

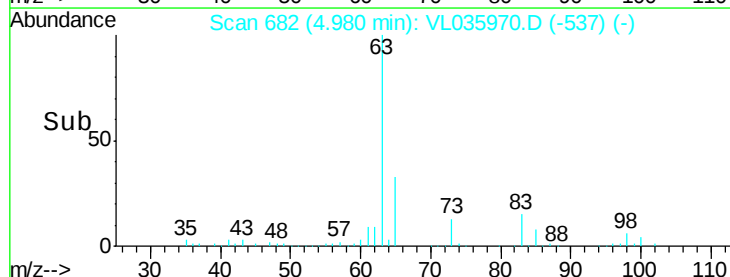
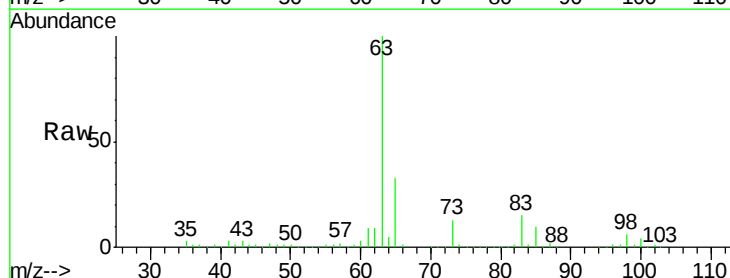
Tgt Ion: 63 Resp: 1672890

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

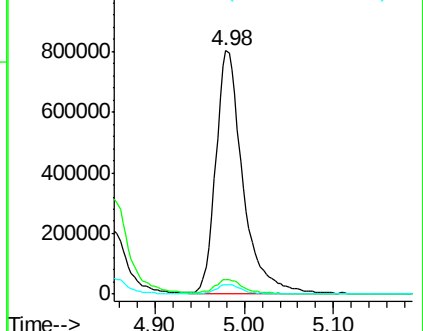
100 3.9 1.8 5.4

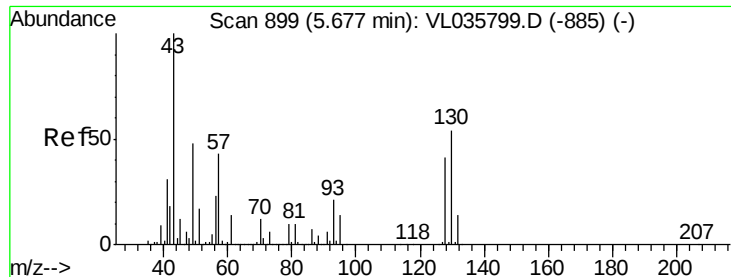


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.008 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2484752

Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 13.1 10.7 16.1

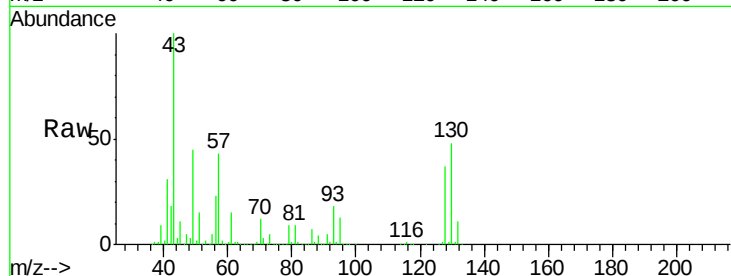
70 10.5 8.6 12.8

Manual Integrations

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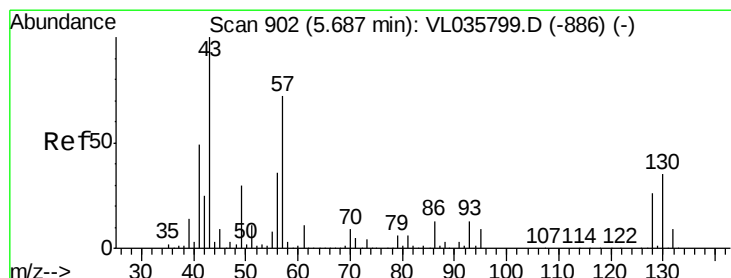
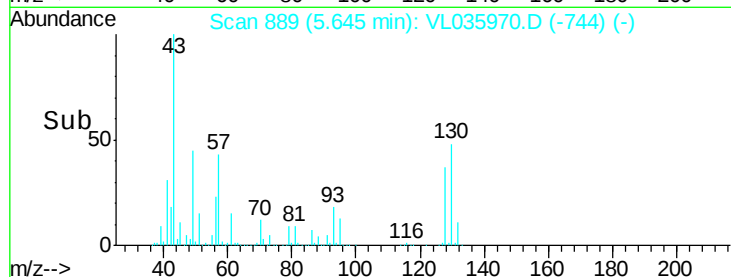
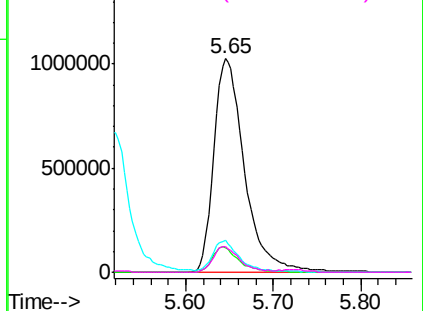


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.712 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion: 57 Resp: 1329789

Ion Ratio Lower Upper

57 100

41 73.0 58.9 88.3

43 188.1 150.2 225.2

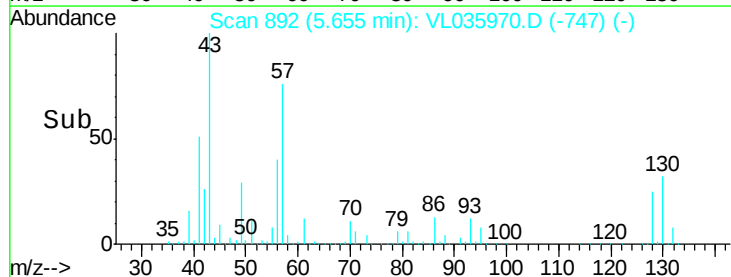
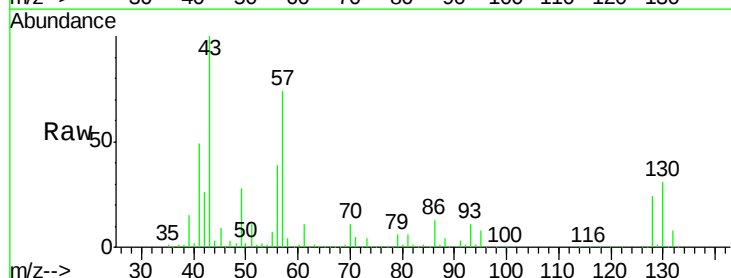
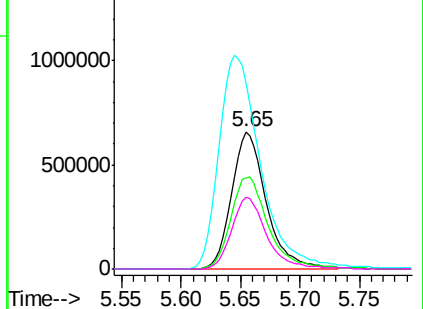
56 53.5 42.4 63.6

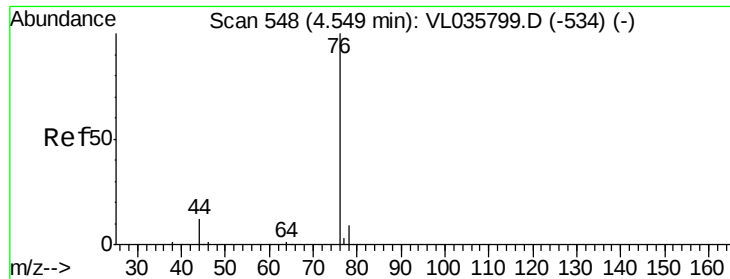
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.305 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2114228

Ion Ratio Lower Upper

76 100

44 12.1 9.9 14.9

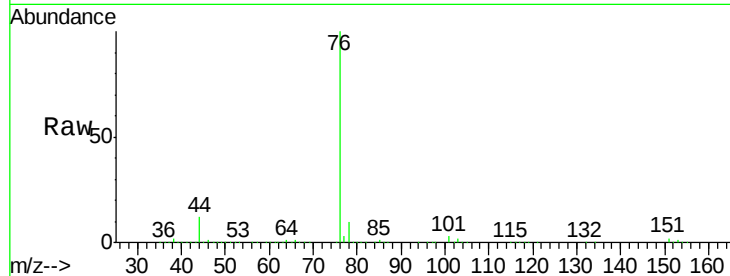
78 9.8 8.1 12.1

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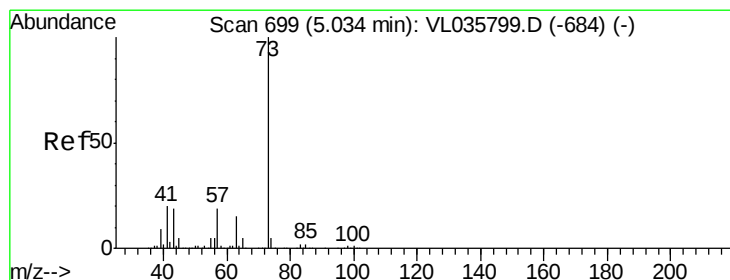
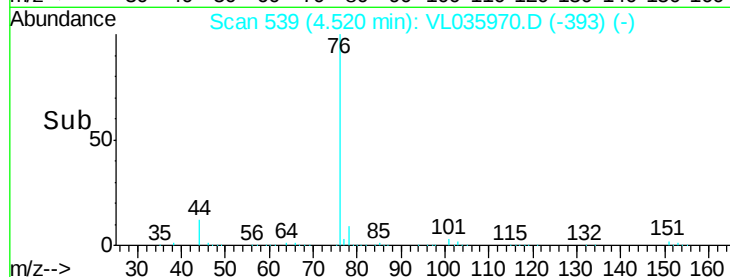
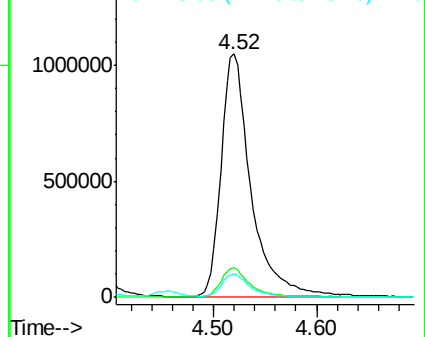
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.343 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.03 min

Lab File: VL035970.D

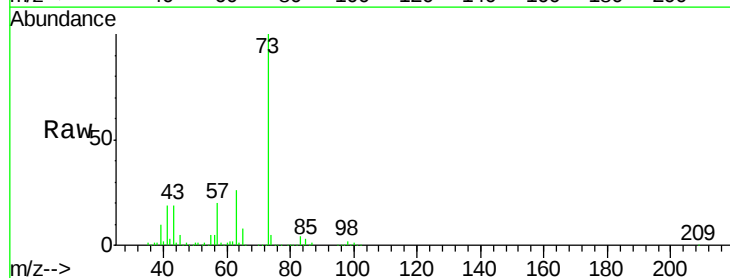
Acq: 18 Nov 2020 10:19

Tgt Ion: 73 Resp: 2297381

Ion Ratio Lower Upper

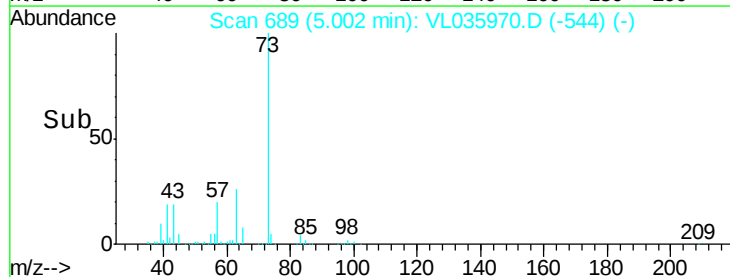
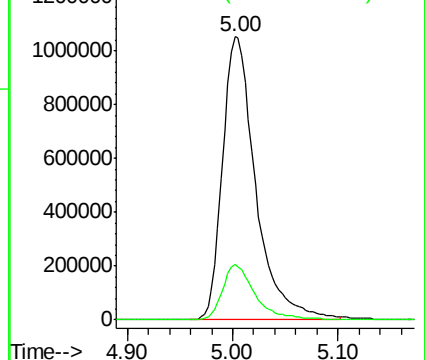
73 100

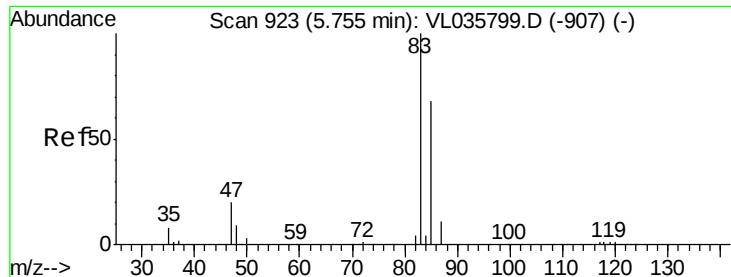
57 19.3 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





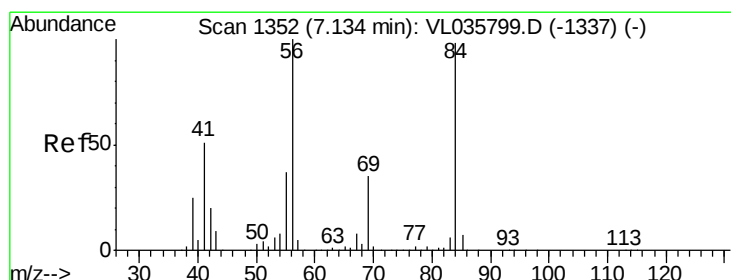
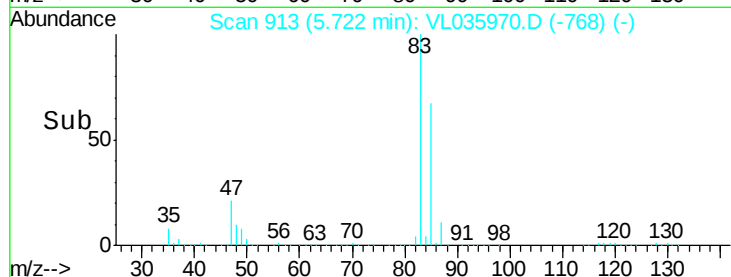
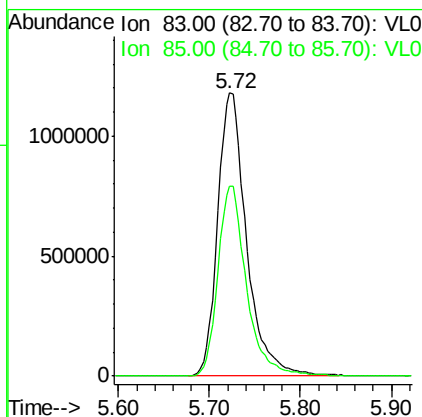
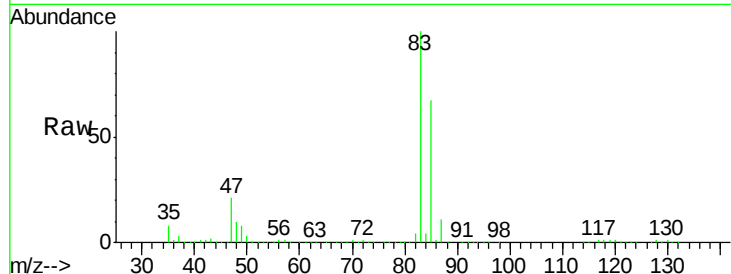
#29
Chloroform
Concen: 9.668 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2601860
Ion Ratio Lower Upper
83 100
85 66.9 54.6 81.8

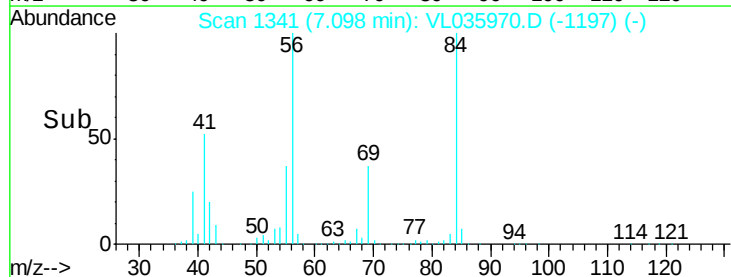
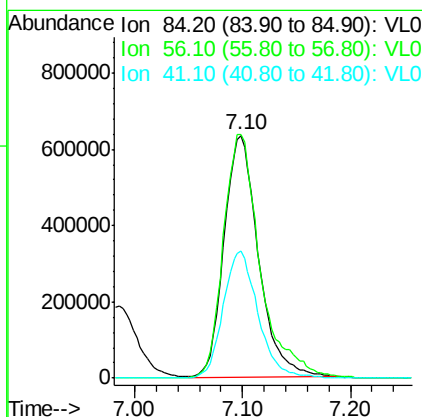
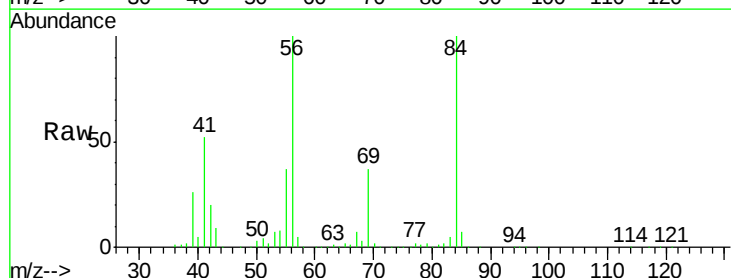
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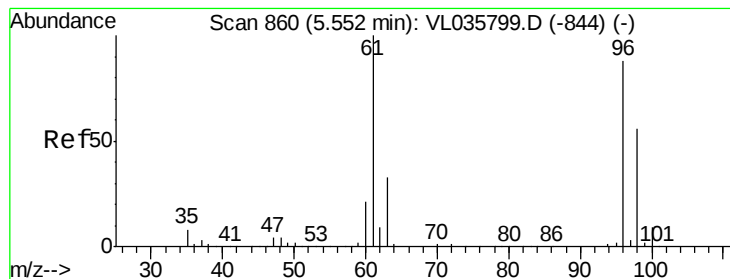
MMDadoda
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#30
Cyclohexane
Concen: 9.450 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 84 Resp: 1409269
Ion Ratio Lower Upper
84 100
56 108.4 86.4 129.6
41 53.4 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.776 ppbv

RT: 5.52 min Scan# 849

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1377023

Ion Ratio Lower Upper

61 100

96 84.5 70.3 105.5

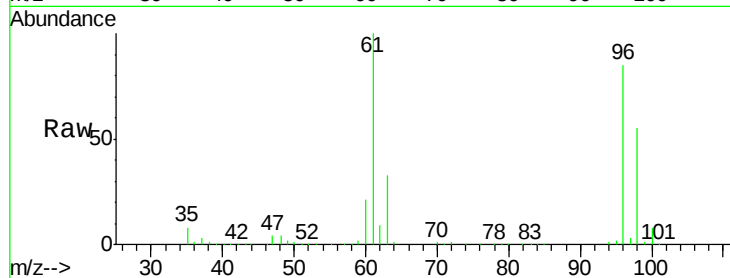
98 54.5 45.0 67.6

Manual Integrations

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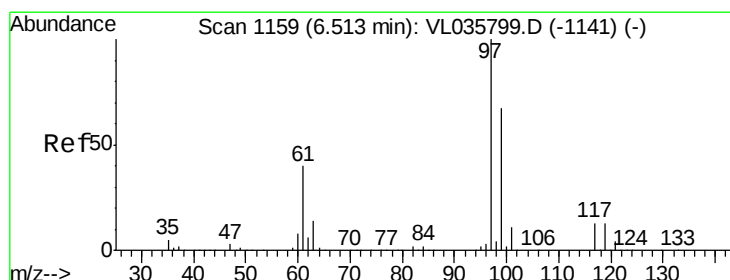
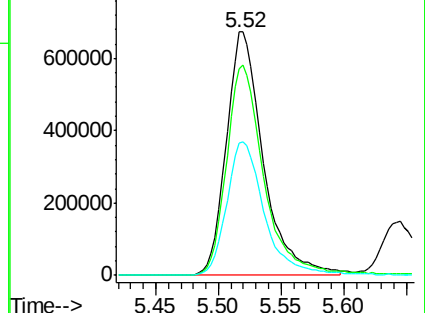
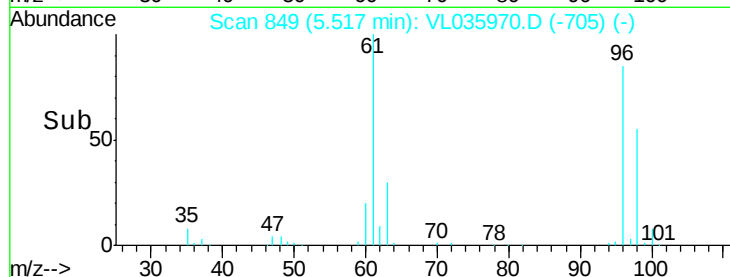
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.949 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

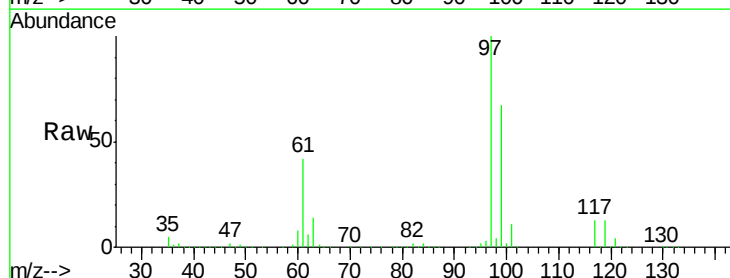
Tgt Ion: 97 Resp: 2513233

Ion Ratio Lower Upper

97 100

99 66.0 52.3 78.5

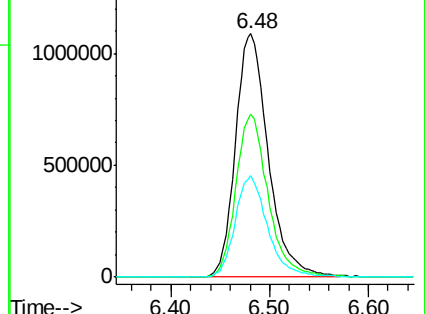
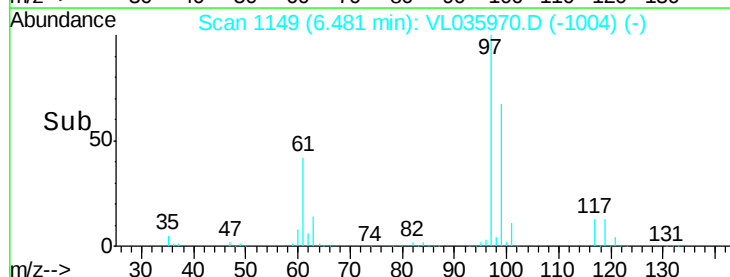
61 41.1 32.0 48.0

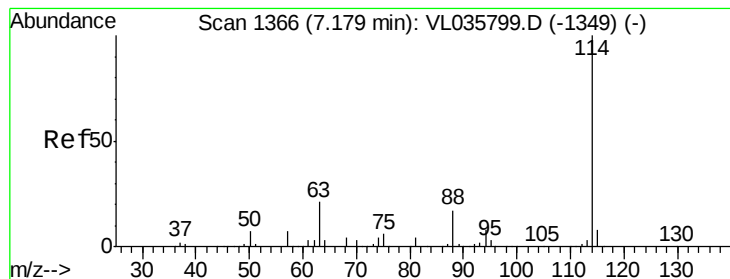


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 4575062

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

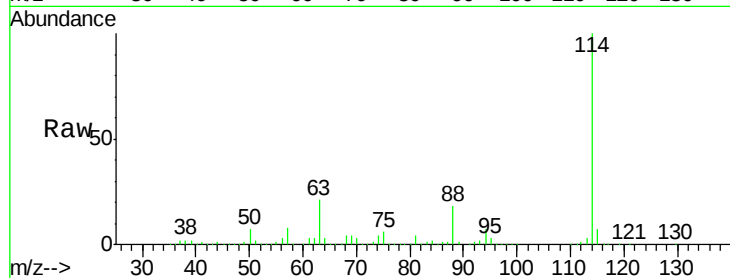
88 17.4 13.7 20.5

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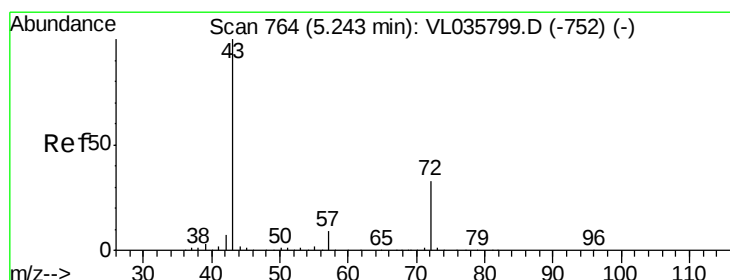
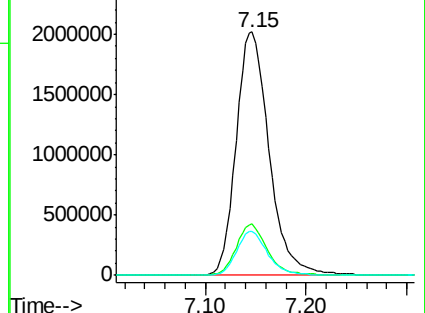
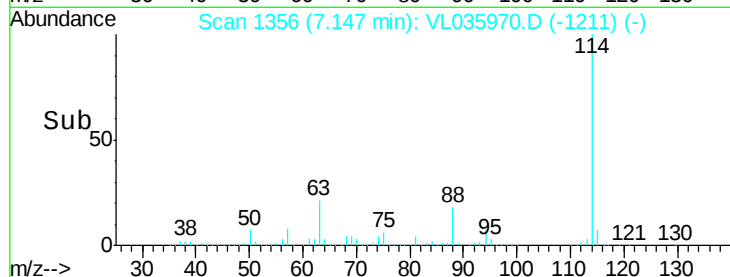
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.709 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.03 min

Lab File: VL035970.D

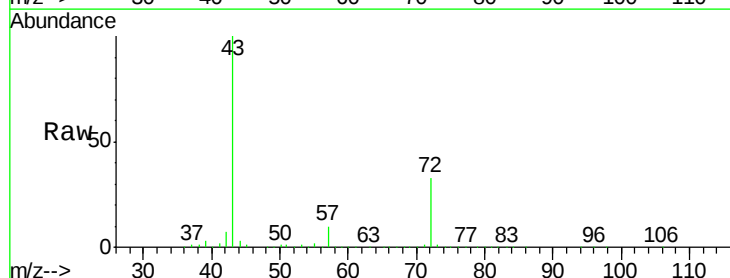
Acq: 18 Nov 2020 10:19

Tgt Ion: 43 Resp: 1590084

Ion Ratio Lower Upper

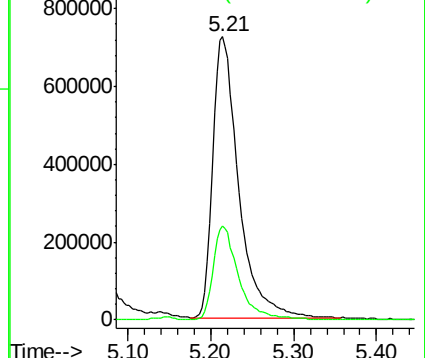
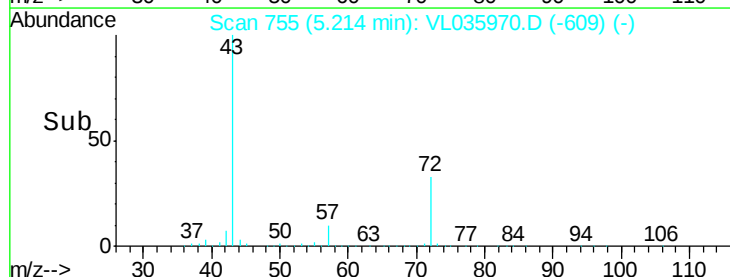
43 100

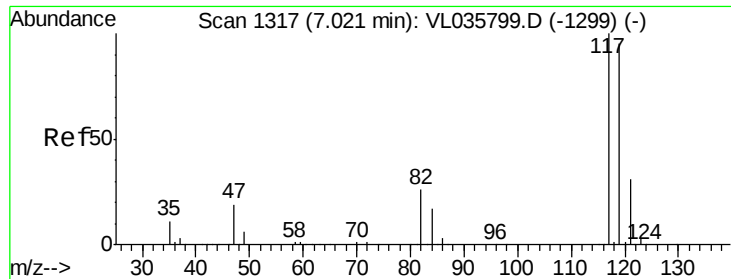
72 32.6 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.213 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2496531

Ion Ratio Lower Upper

117 100

119 94.6 75.6 113.4

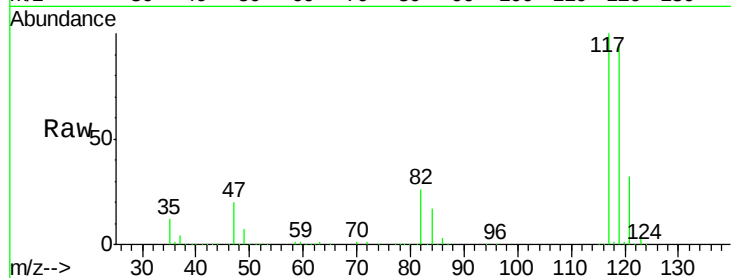
121 32.1 25.1 37.7

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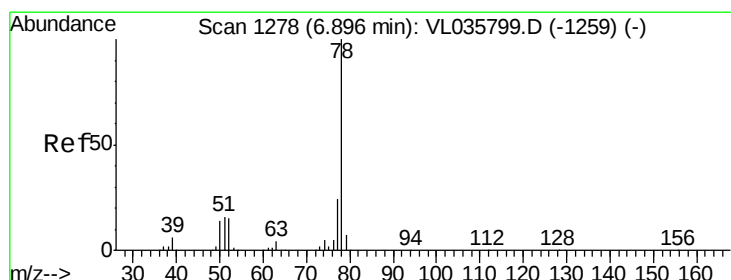
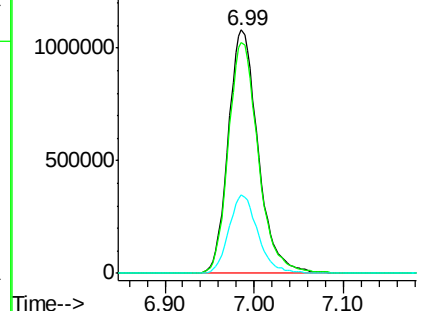
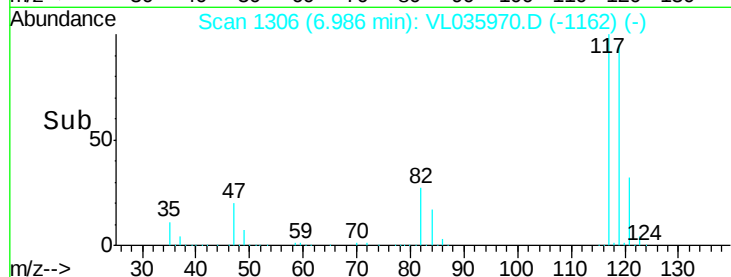
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.752 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

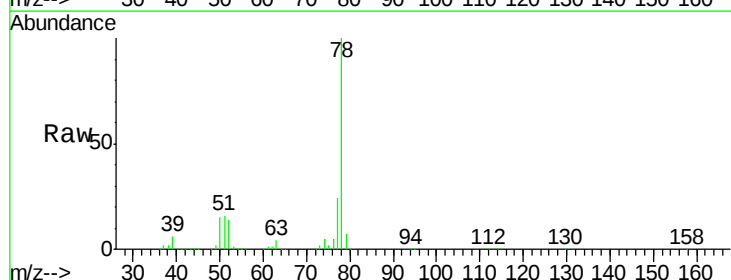
Tgt Ion: 78 Resp: 3316954

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

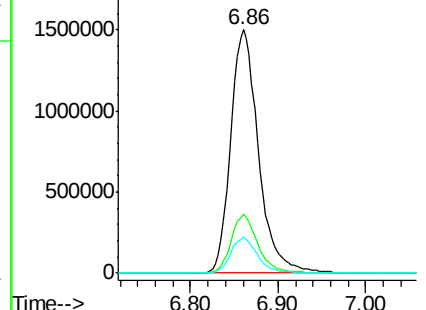
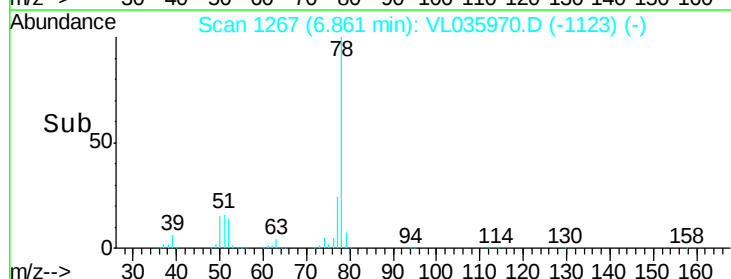
50 14.7 11.4 17.2

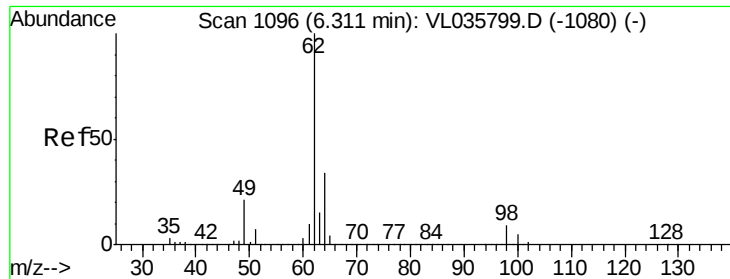


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





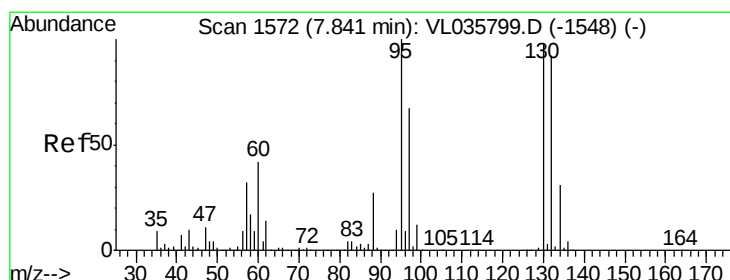
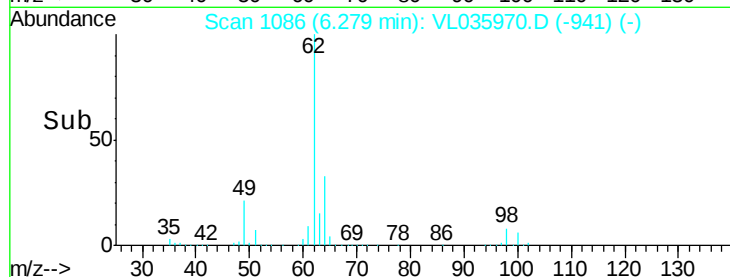
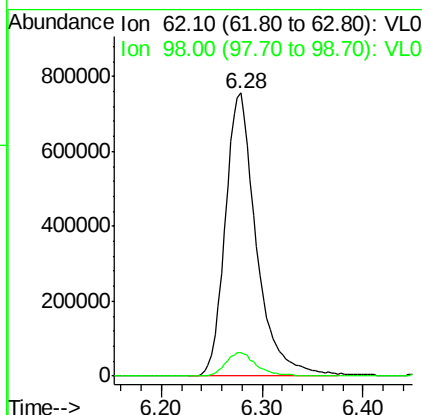
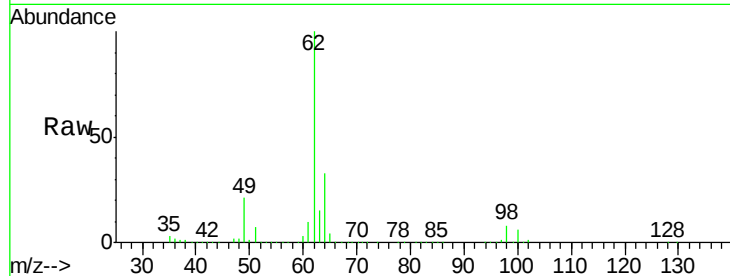
#37
 1,2-Dichloroethane
 Concen: 10.546 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1624954
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3

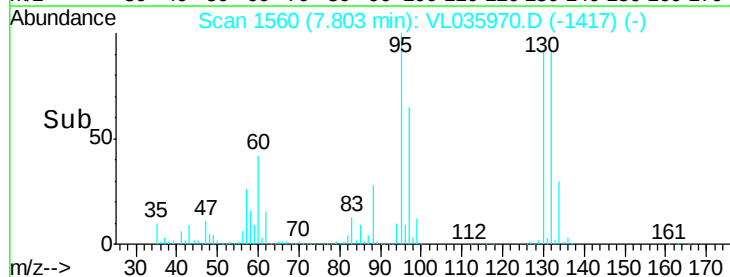
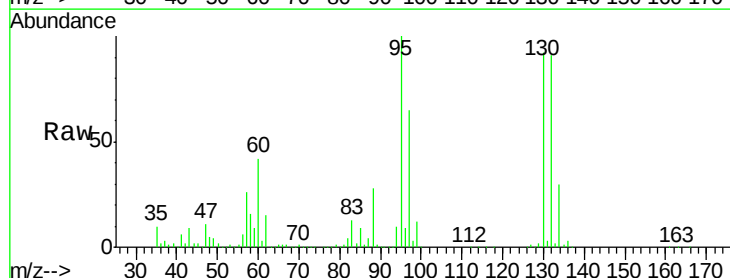
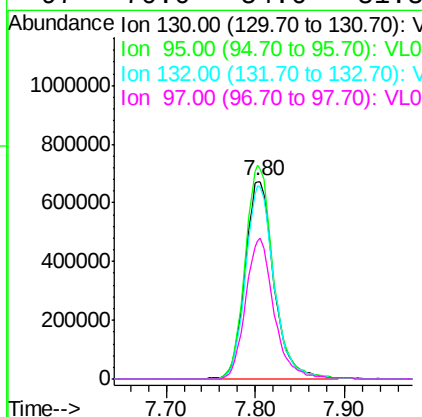
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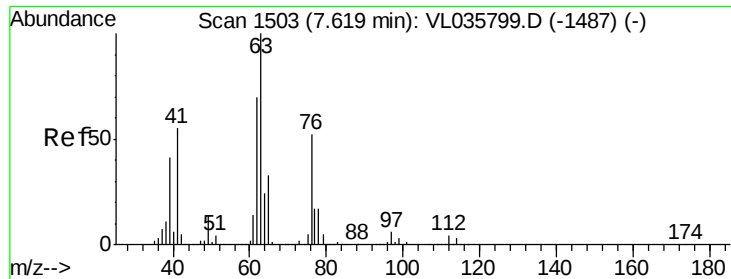
MMDadoda
 11/20/2020 12:27:15 PM



#38
 Trichloroethene
 Concen: 9.157 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 130 Resp: 1521359
 Ion Ratio Lower Upper
 130 100
 95 108.2 81.6 122.4
 132 98.2 75.1 112.7
 97 70.0 54.6 81.8





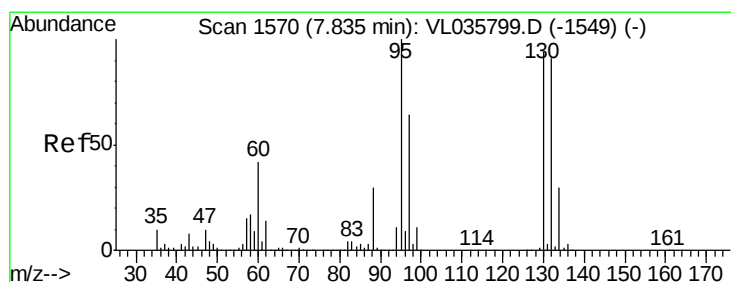
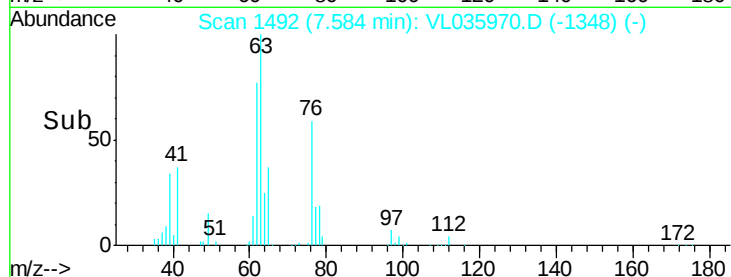
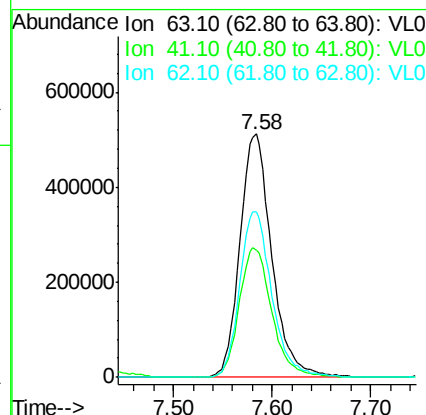
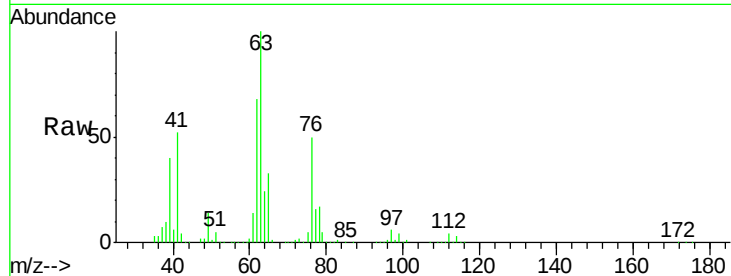
#39
 1,2-Dichloropropane
 Concen: 10.016 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	51.9	43.8	65.6
62	68.1	56.2	84.2

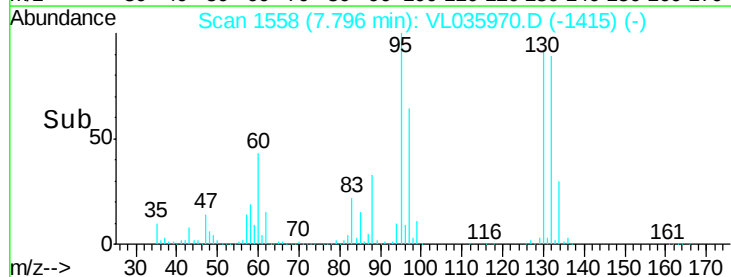
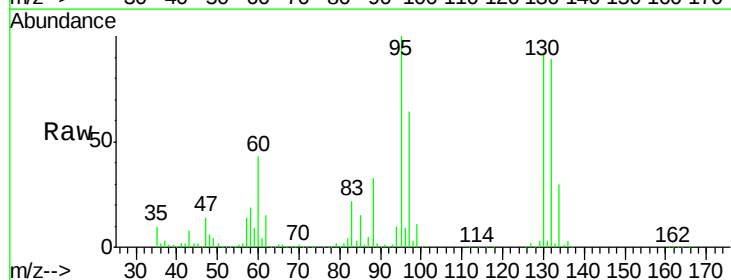
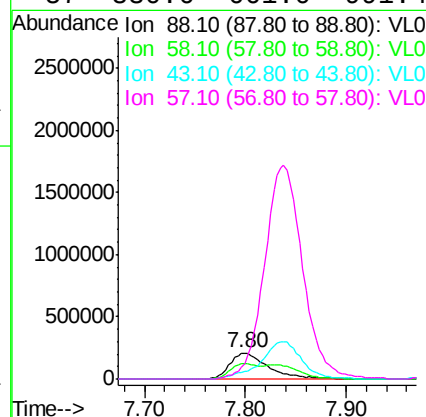
Manual Integrations
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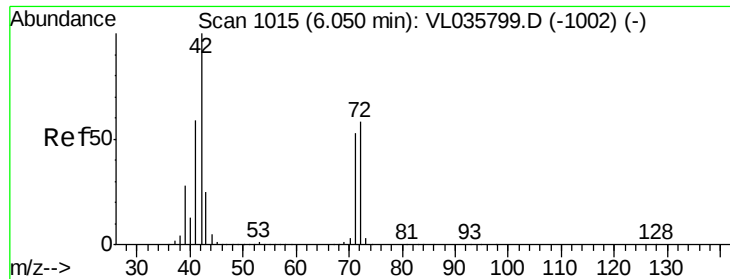
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#40
 1,4-Dioxane
 Concen: 10.063 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	96.6	76.2	114.2
43	155.0	123.1	184.7
57	830.6	661.0	991.4





#41

Tetrahydrofuran

Concen: 10.965 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

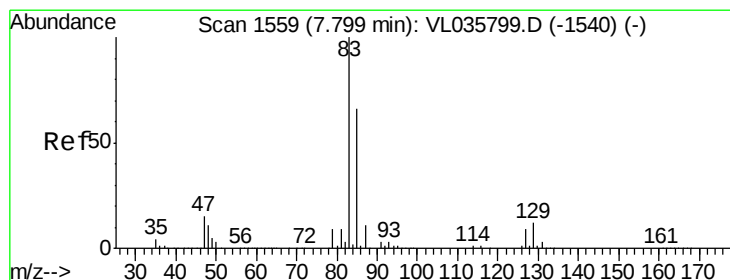
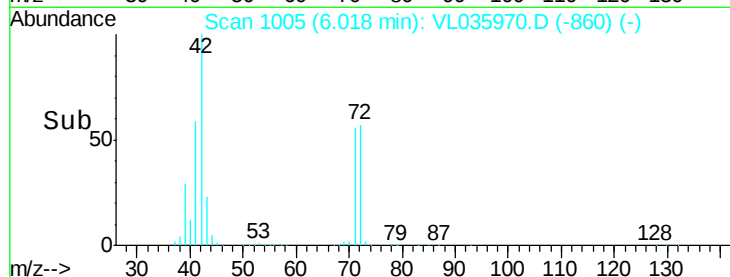
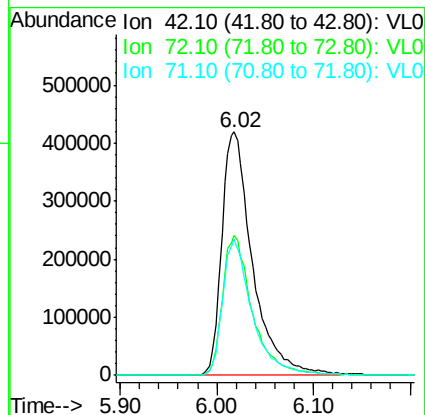
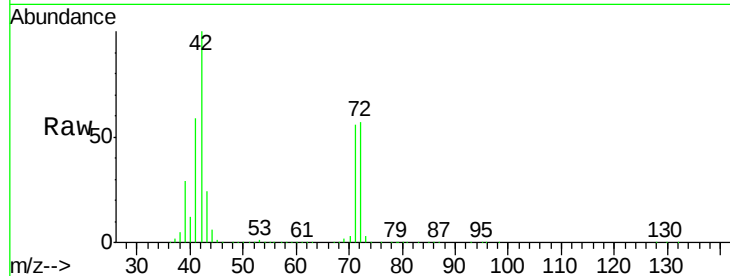
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	924995
Ion Ratio	Lower	Upper	
42	100		
72	56.5	45.4	68.0
71	54.2	43.4	65.2

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#42

Bromodichloromethane

Concen: 10.388 ppbv

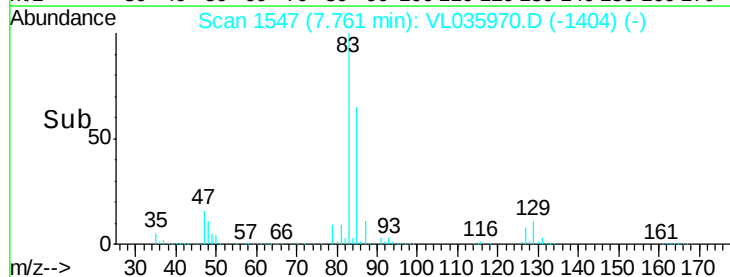
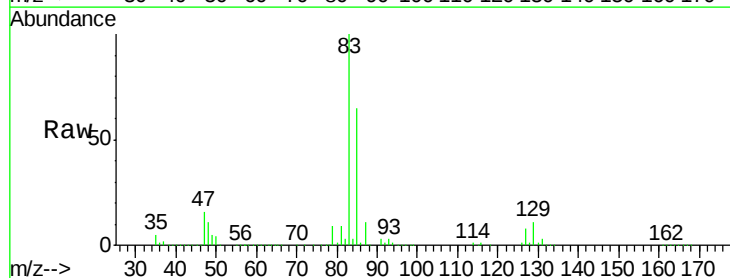
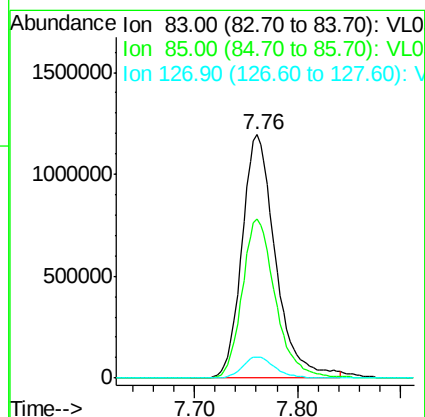
RT: 7.76 min Scan# 1547

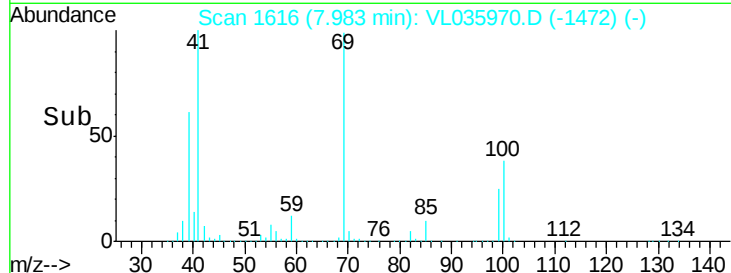
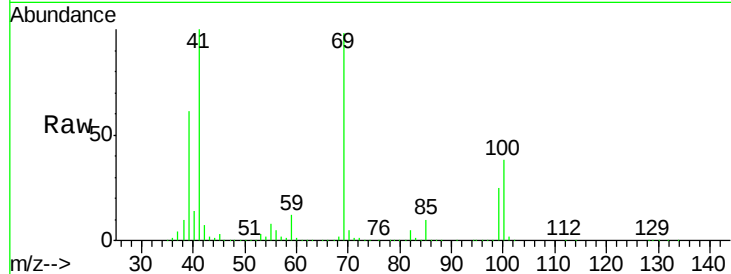
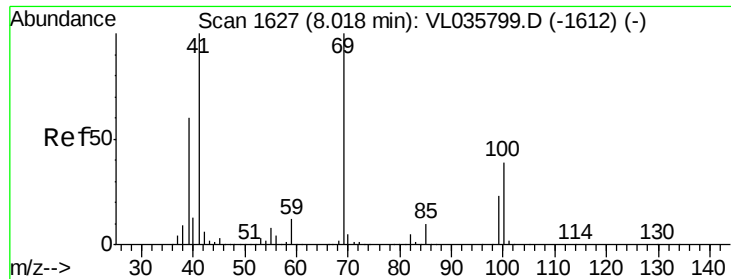
Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion:	83	Resp:	2700954
Ion Ratio	Lower	Upper	
83	100		
85	65.4	53.1	79.7
127	8.5	7.3	10.9





#43

Methyl Methacrylate

Concen: 10.535 ppbv

RT: 7.98 min Scan# 1616

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

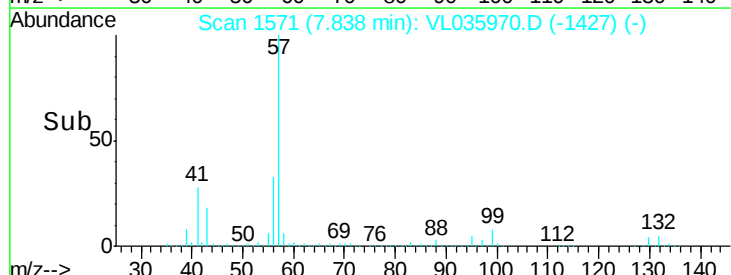
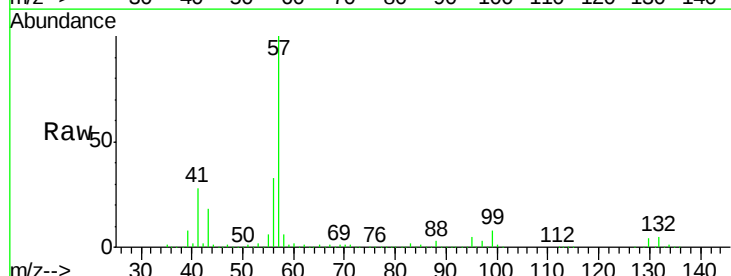
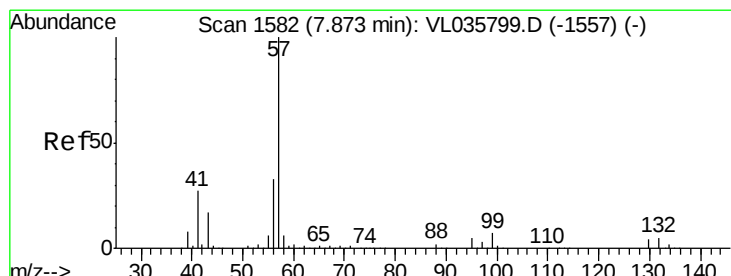
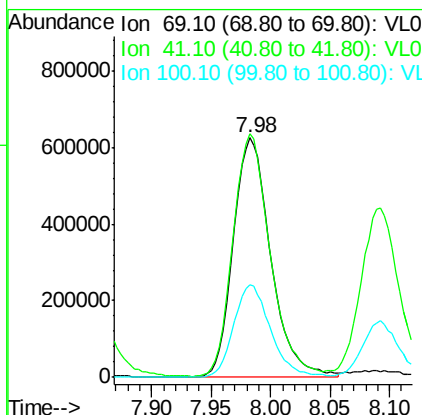
Tot Ion: 69 Resp: 1366808

Ion	Ratio	Lower	Upper
69	100		
41	101.0	81.1	121.7
100	38.2	31.0	46.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#44

2,2,4-Trimethylpentane

Concen: 10.079 ppbv

RT: 7.84 min Scan# 1571

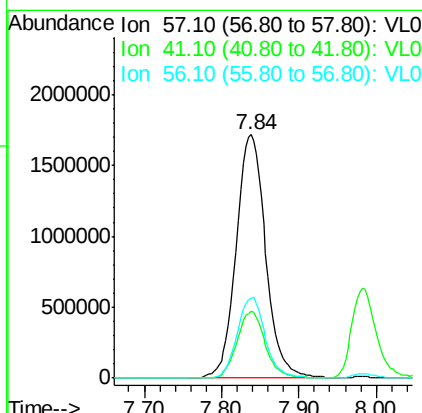
Delta R.T. -0.04 min

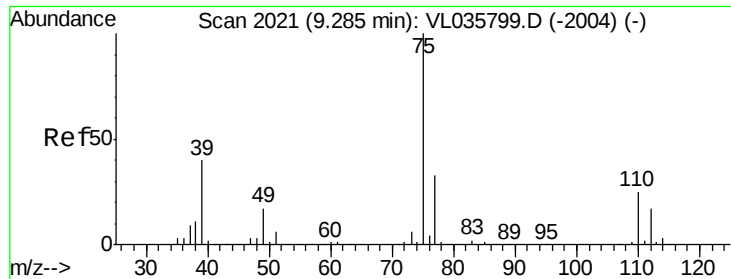
Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion: 57 Resp: 4536547

Ion	Ratio	Lower	Upper
57	100		
41	26.3	21.0	31.4
56	31.7	25.4	38.0





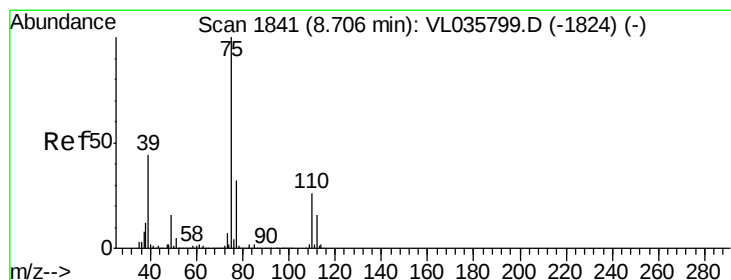
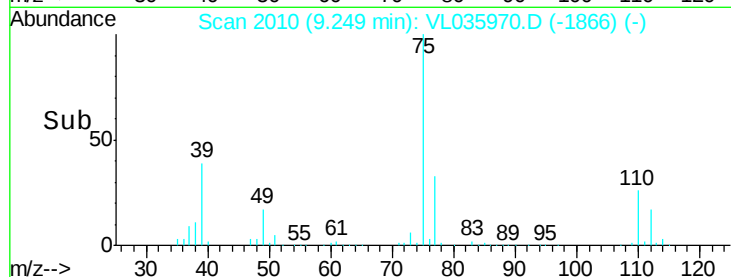
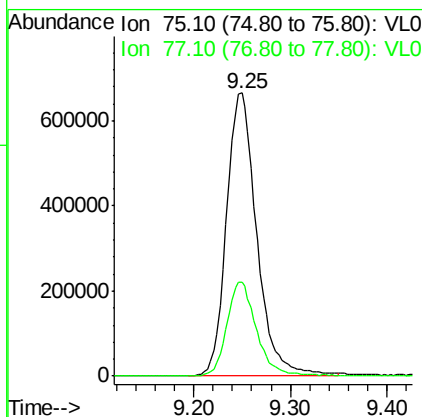
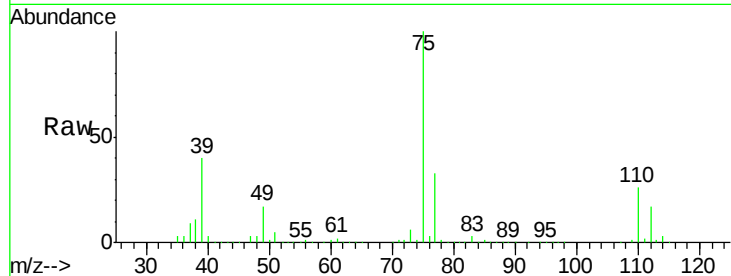
#45
t-1,3-Dichloropropene
Concen: 10.530 ppbv
RT: 9.25 min Scan# 2010
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1448172
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6

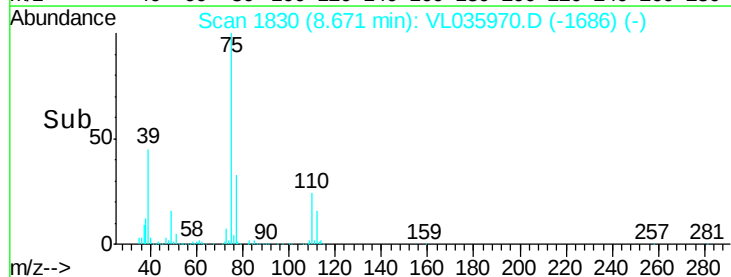
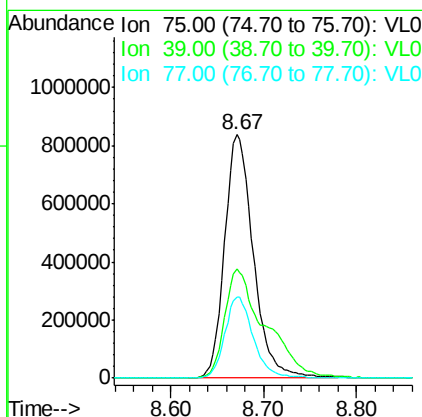
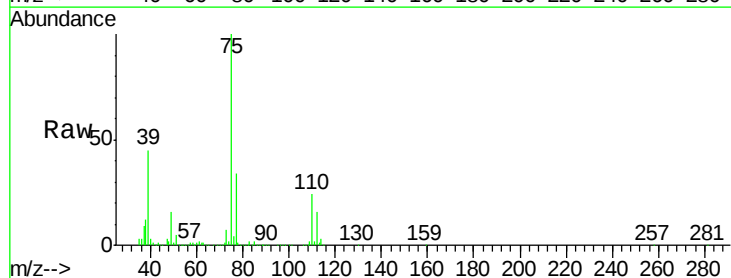
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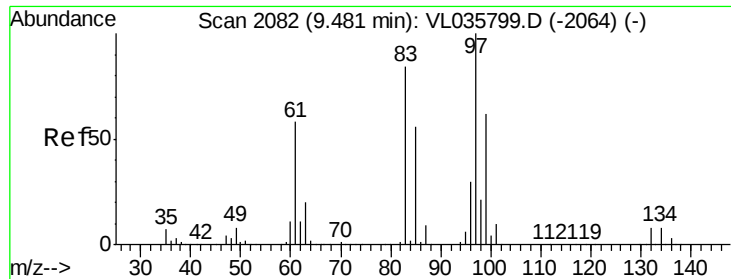
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11/20/2020 12:27:15 PM



#46
cis-1,3-Dichloropropene
Concen: 10.359 ppbv
RT: 8.67 min Scan# 1830
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 75 Resp: 1804293
Ion Ratio Lower Upper
75 100
39 44.6 35.1 52.7
77 33.5 25.7 38.5





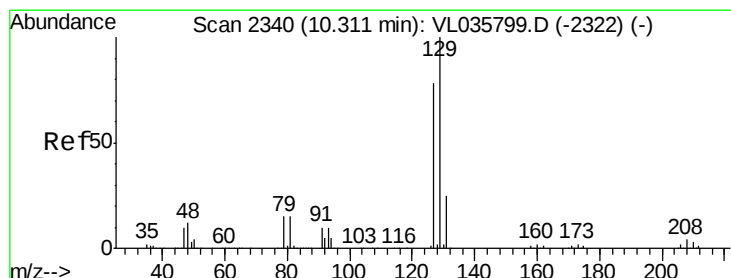
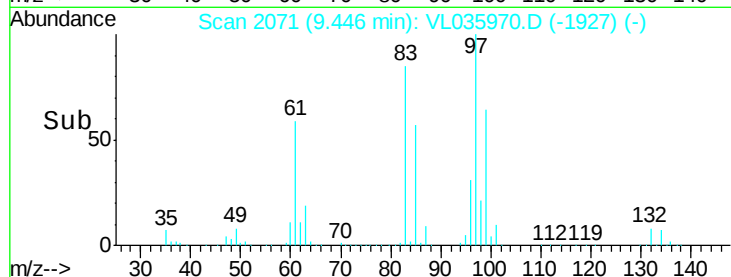
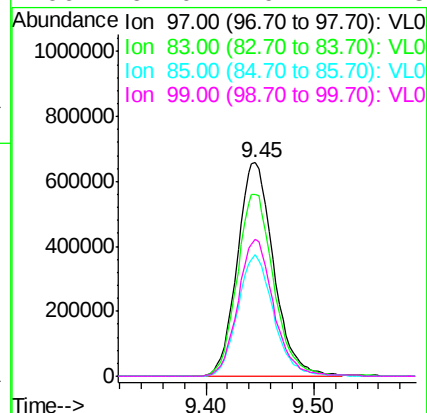
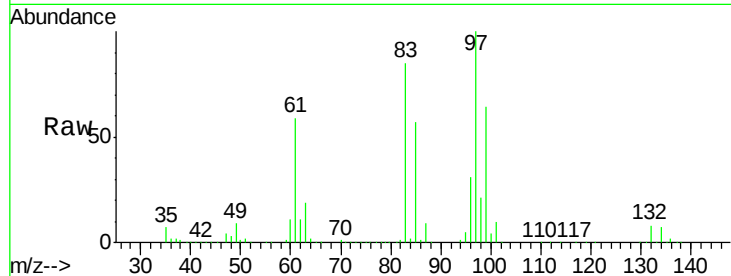
#47
 1,1,2-Trichloroethane
 Concen: 9.907 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.1	100.7
85	56.6	44.7	67.1
99	64.0	49.7	74.5

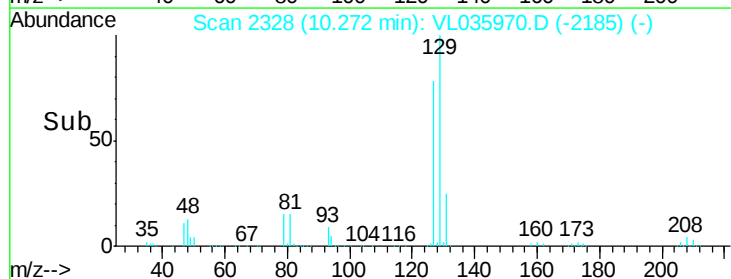
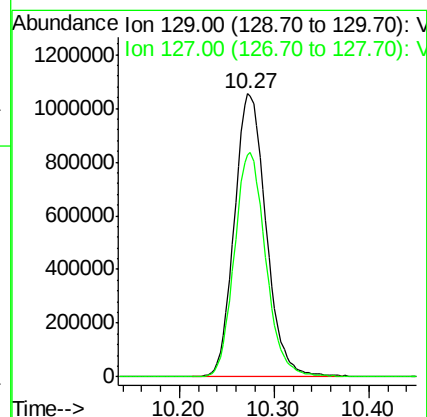
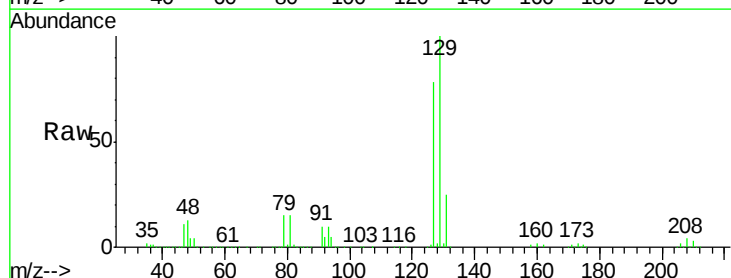
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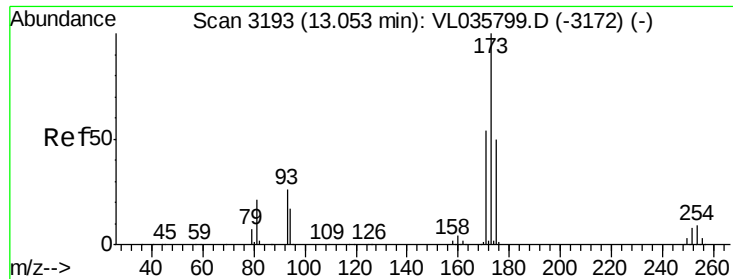
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#48
 Dibromochloromethane
 Concen: 10.344 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.2	117.6





#49

Bromoform

Concen: 10.070 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2025484

Ion Ratio Lower Upper

173 100

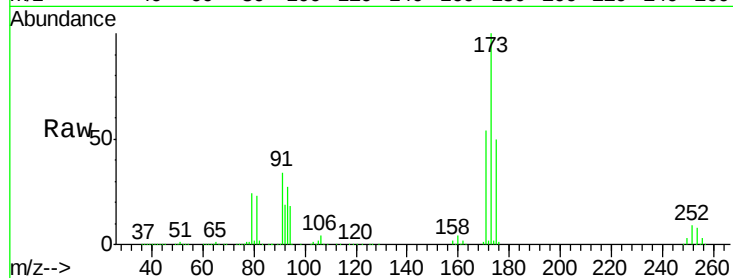
175 50.0 40.1 60.1

171 53.3 42.6 63.8

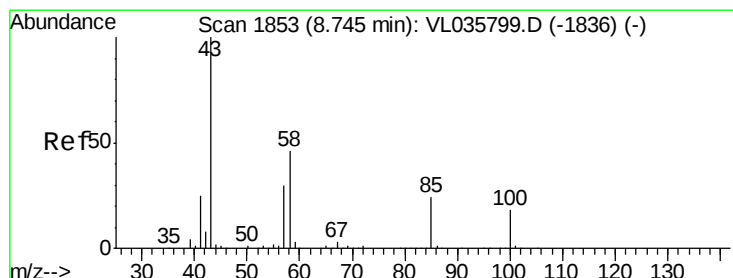
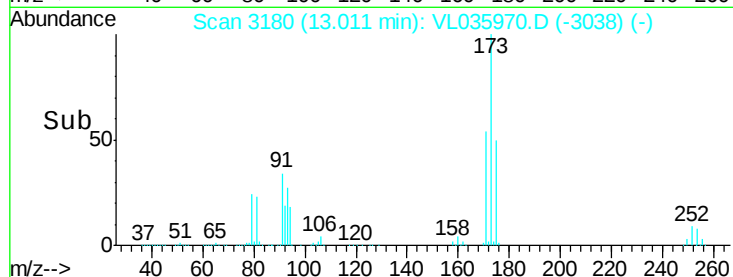
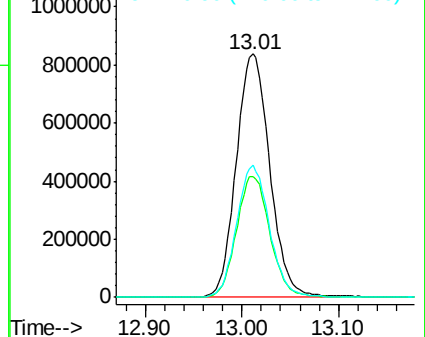
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.701 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VL035970.D

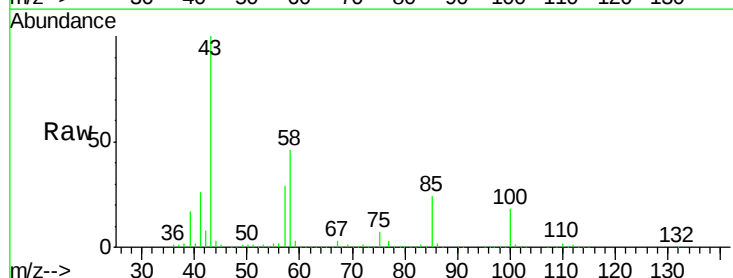
Acq: 18 Nov 2020 10:19

Tgt Ion: 43 Resp: 2429586

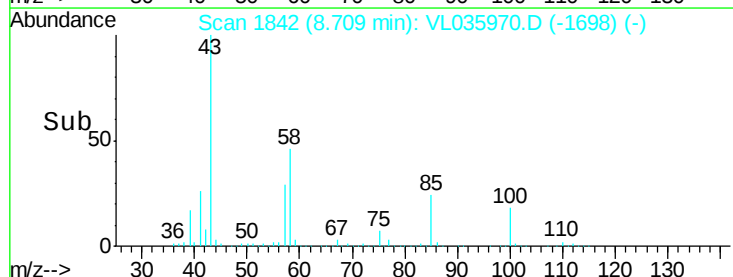
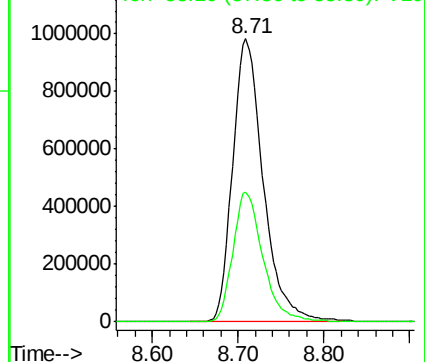
Ion Ratio Lower Upper

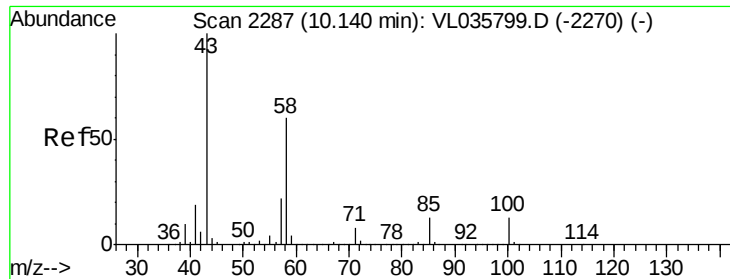
43 100

58 45.3 36.0 54.0



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





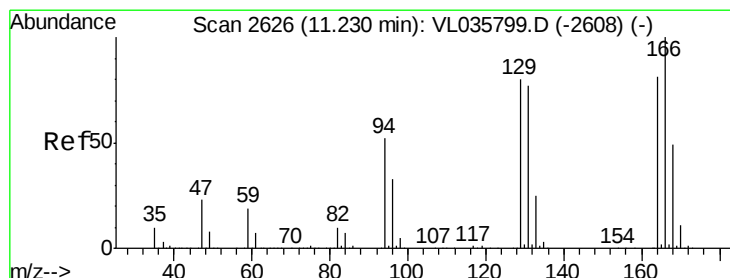
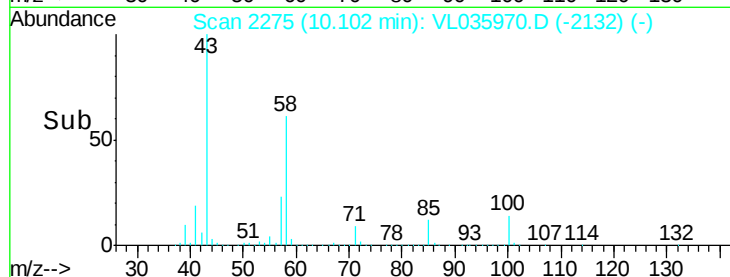
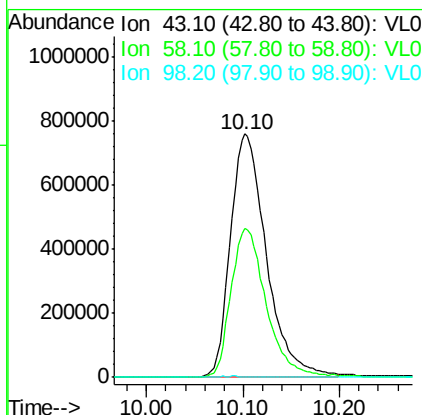
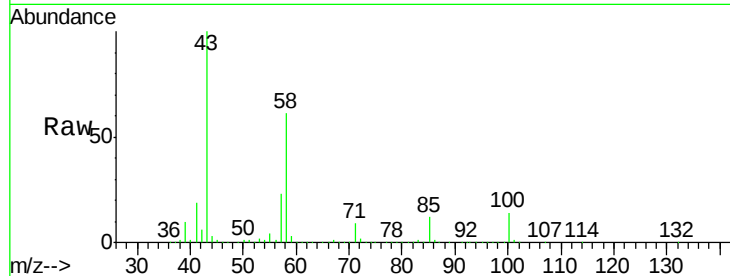
#51
2-Hexanone
Concen: 10.755 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1961510
Ion Ratio Lower Upper
43 100
58 60.8 48.3 72.5
98 0.8 0.6 0.8

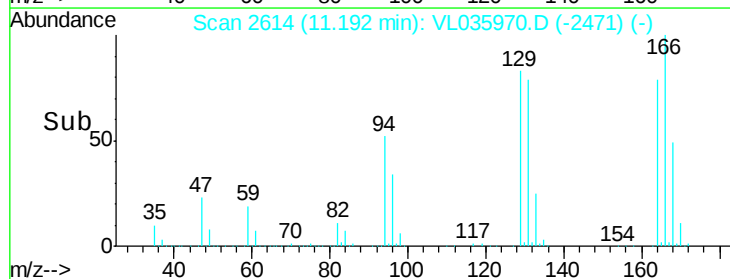
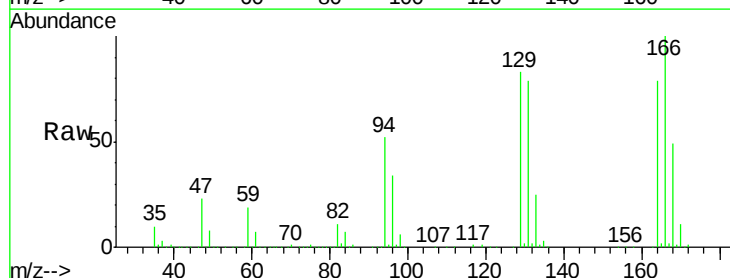
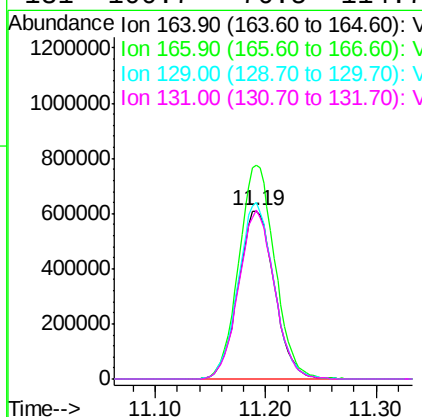
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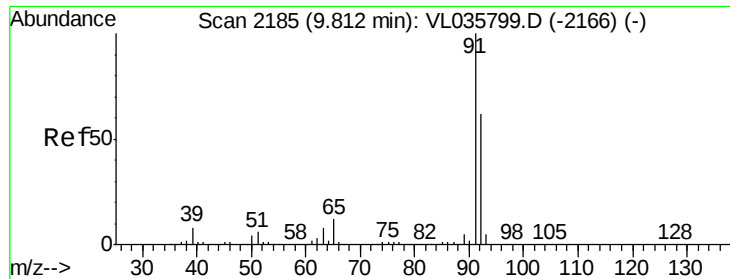
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#52
Tetrachloroethene
Concen: 8.607 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 164 Resp: 1387007
Ion Ratio Lower Upper
164 100
166 127.1 99.3 148.9
129 105.0 79.3 118.9
131 100.7 76.5 114.7





#53

Toluene

Concen: 9.756 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4004115

Ion Ratio Lower Upper

91 100

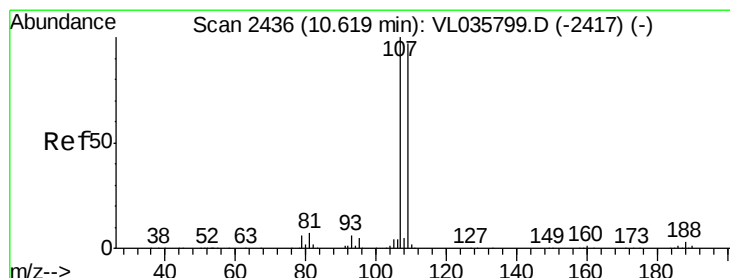
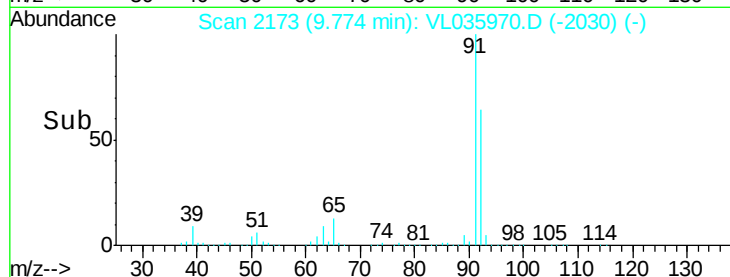
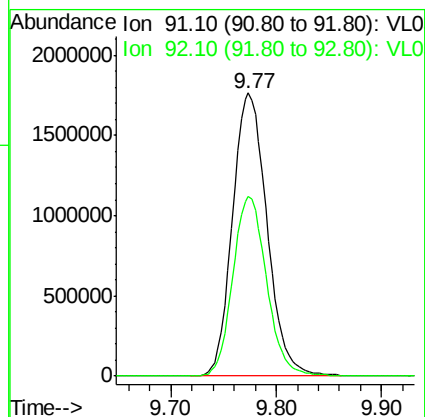
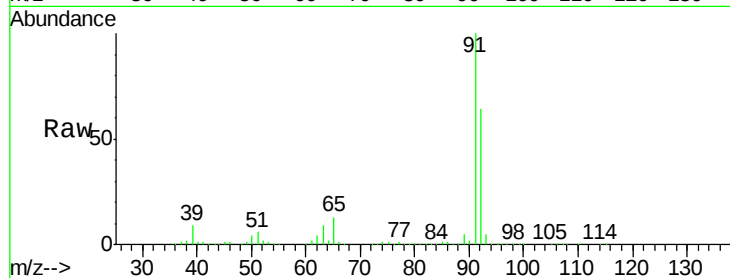
92 62.3 49.8 74.6

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11/20/2020 12:27:15 PM



#54

1,2-Dibromoethane

Concen: 9.863 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035970.D

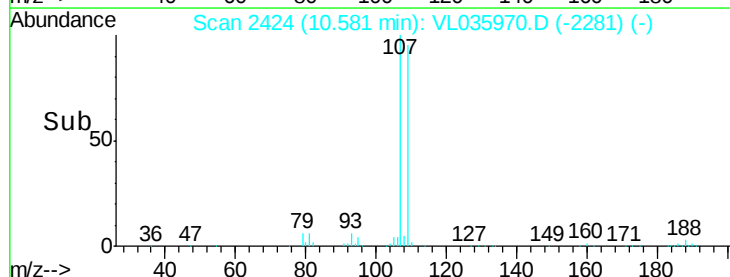
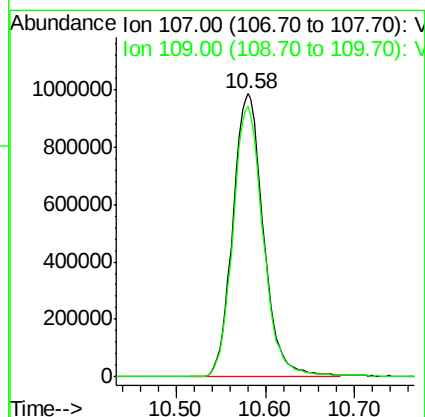
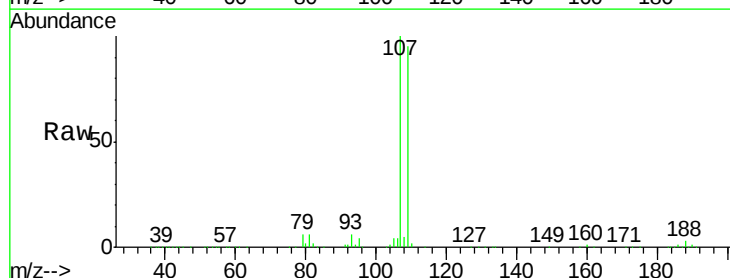
Acq: 18 Nov 2020 10:19

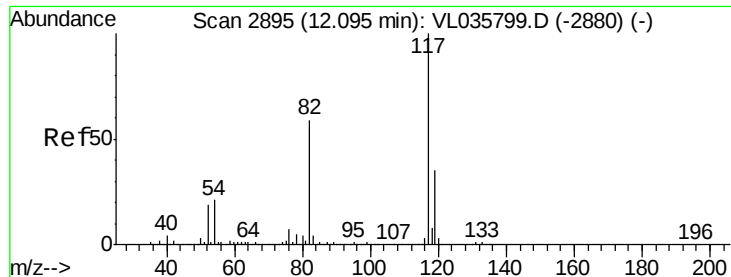
Tgt Ion: 107 Resp: 2340511

Ion Ratio Lower Upper

107 100

109 95.4 77.2 115.8





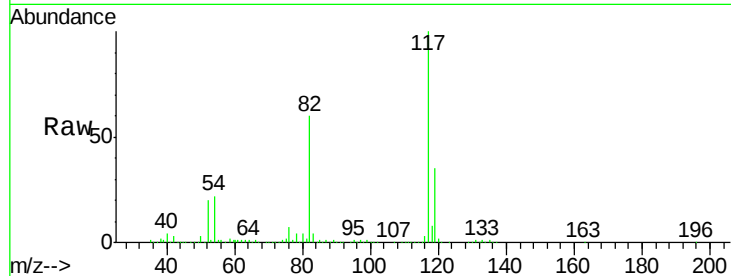
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

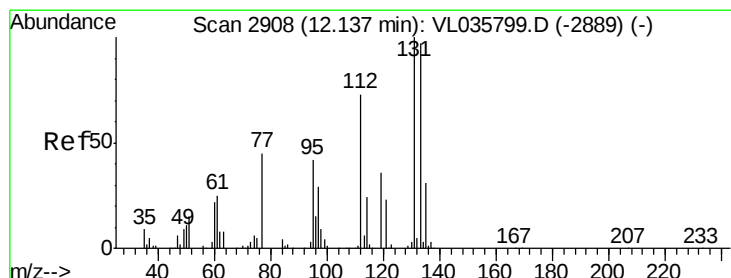
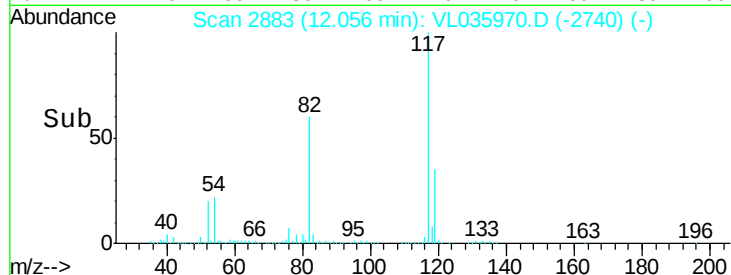
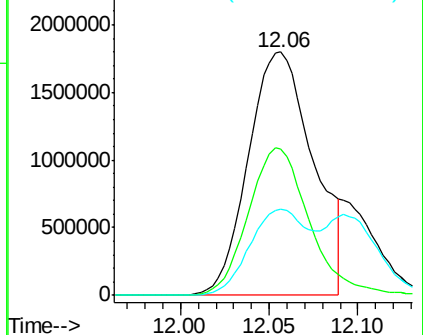
Tot Ion:117 Resp: 4578308
Ion Ratio Lower Upper
117 100
82 57.5 50.6 76.0
119 29.7 52.6 78.8#

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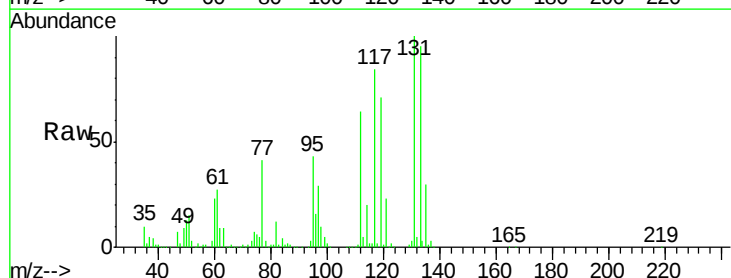


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

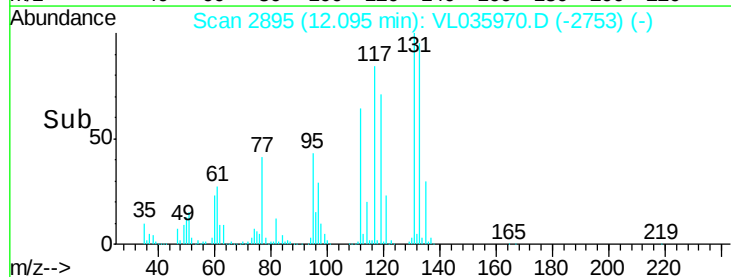
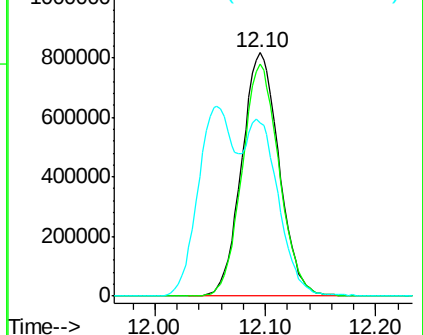


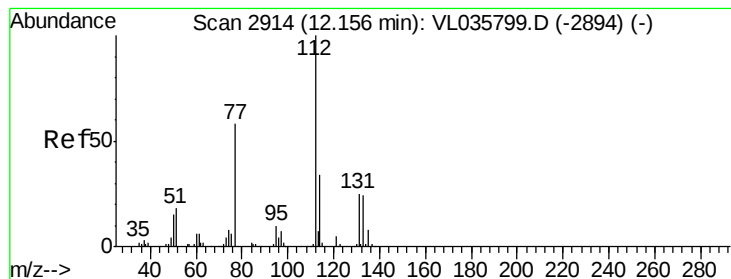
#56
1,1,1,2-Tetrachloroethane
Concen: 9.321 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion:131 Resp: 1915335
Ion Ratio Lower Upper
131 100
133 94.9 76.8 115.2
119 72.7 47.4 71.0#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.791 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 3200045

Ion Ratio Lower Upper

112 100

77 60.4 47.5 71.3

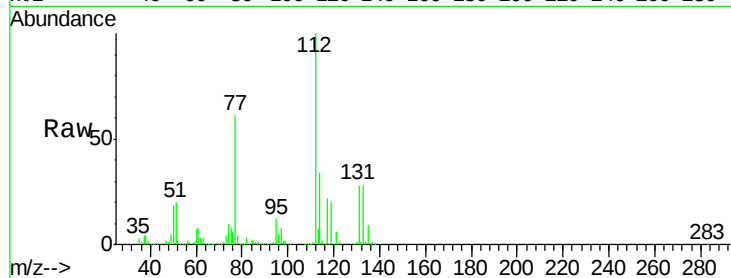
114 33.6 30.3 37.1

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MMDadoda

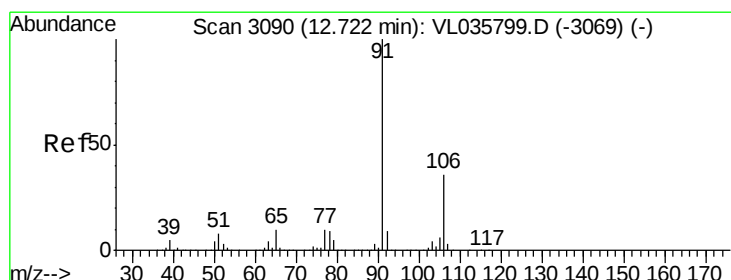
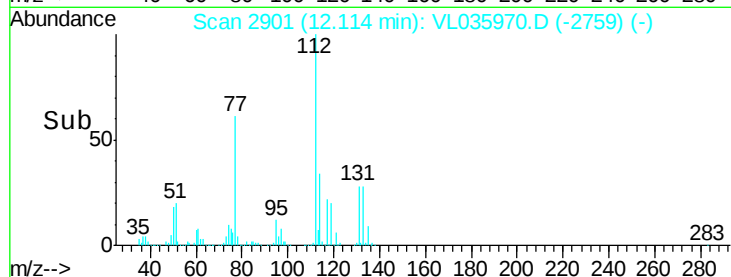
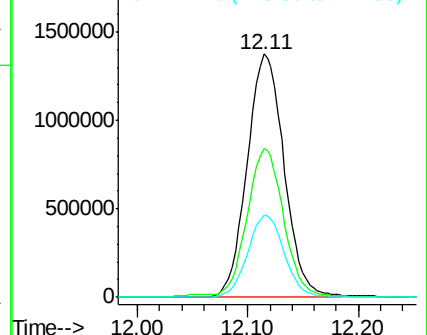
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.171 ppbv

RT: 12.68 min Scan# 3076

Delta R.T. -0.05 min

Lab File: VL035970.D

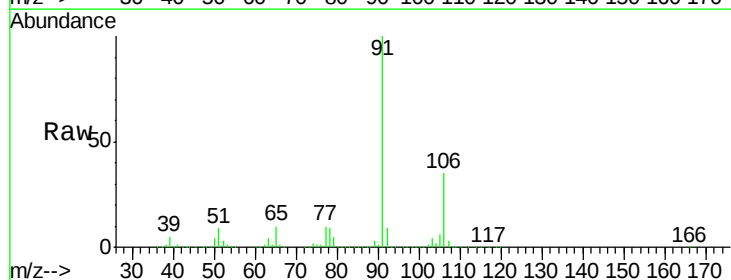
Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 5114005

Ion Ratio Lower Upper

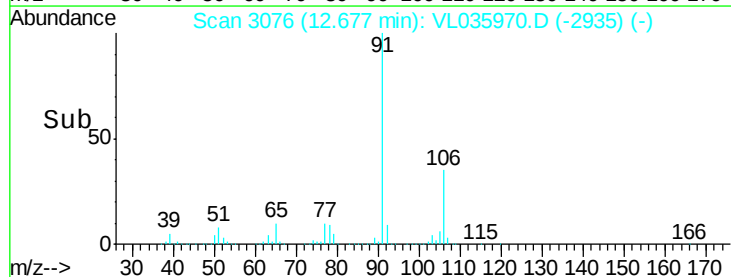
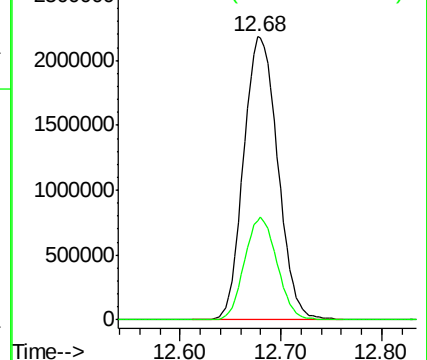
91 100

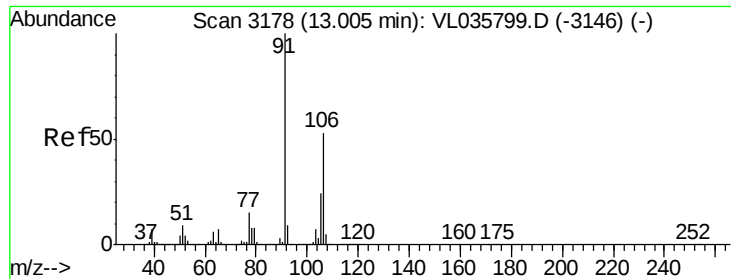
106 35.1 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





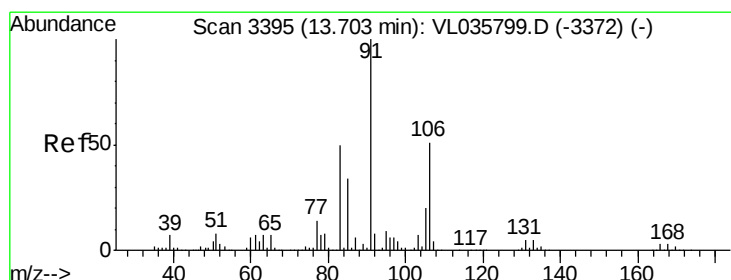
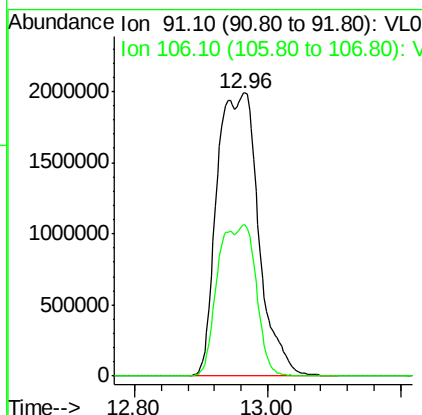
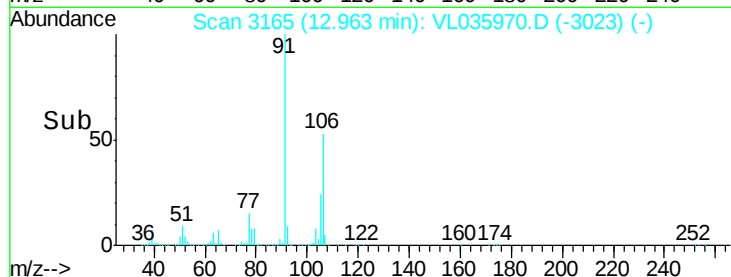
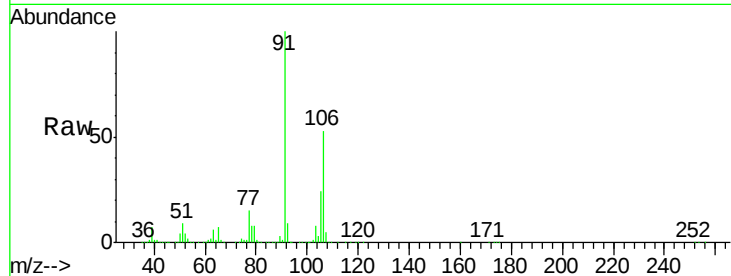
#59
m/p-Xylene
Concen: 18.383 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8672515
Ion Ratio Lower Upper
91 100
106 49.3 39.5 59.3

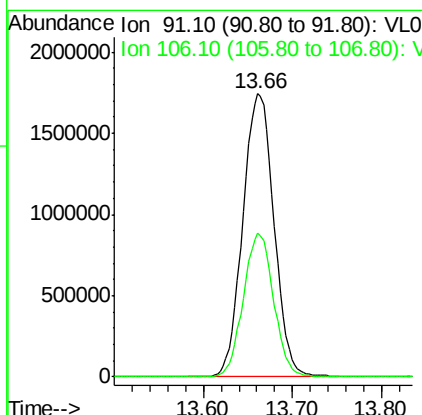
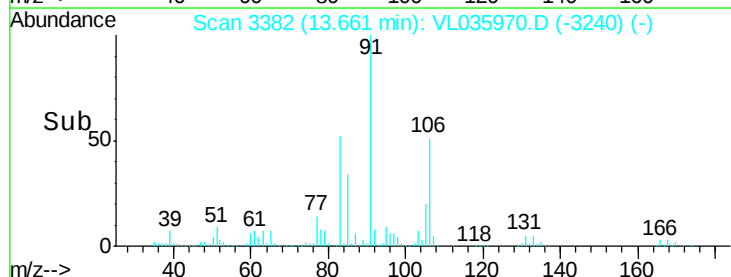
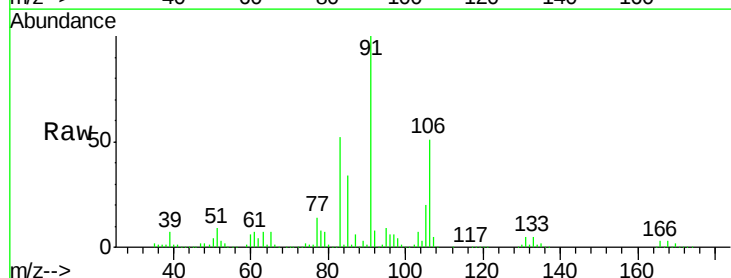
Manual Integrations
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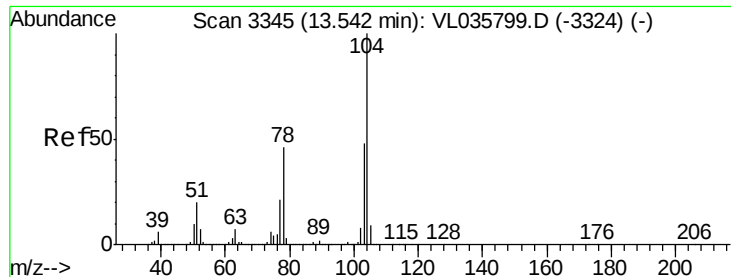
MMDadoda
11/20/2020 12:27:15 PM



#60
o-Xylene
Concen: 9.213 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 4228086
Ion Ratio Lower Upper
91 100
106 49.4 24.8 74.4





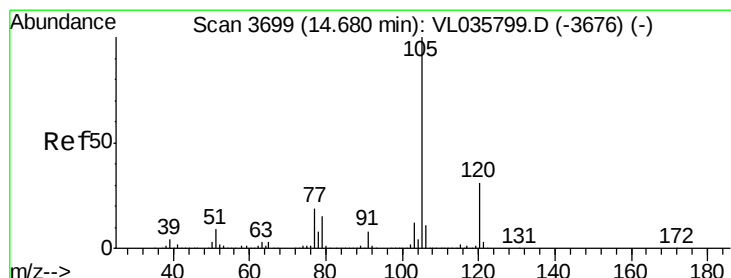
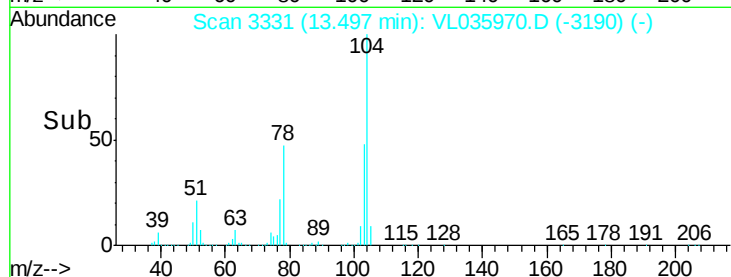
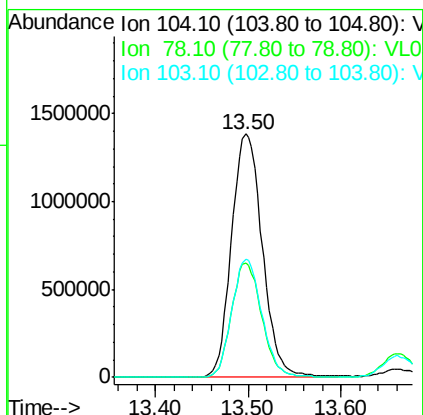
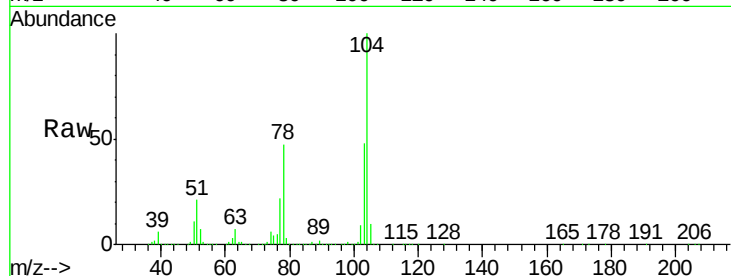
#61
Stvrene
Concen: 9.511 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.05 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	37.1	55.7
103	47.4	37.9	56.9

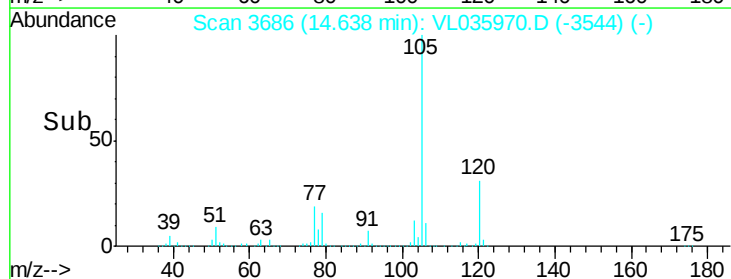
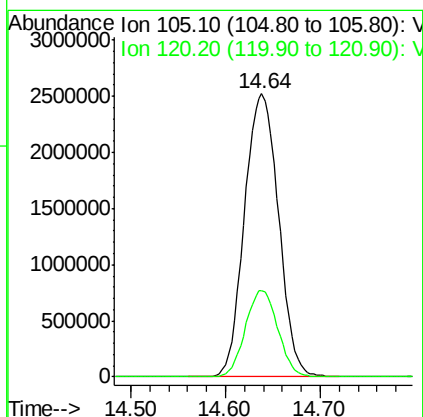
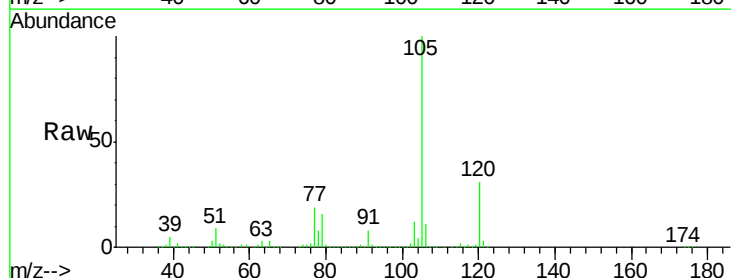
Manual Integrations
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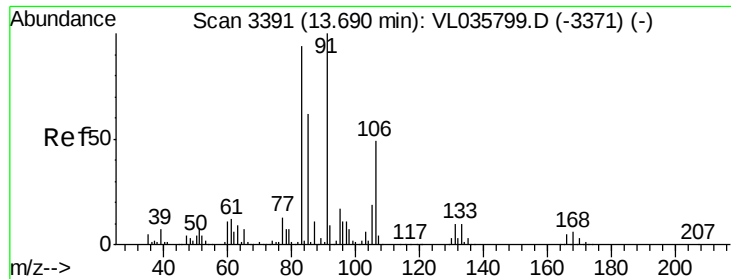
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#62
Isopropylbenzene
Concen: 8.742 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.5	35.3





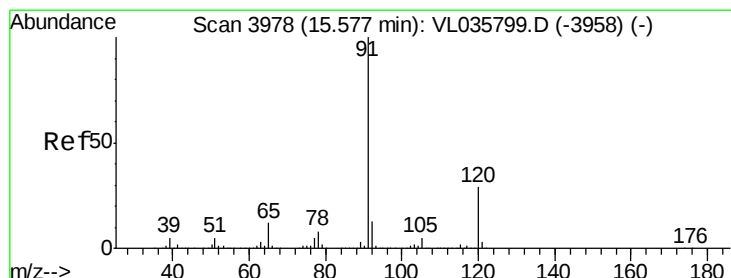
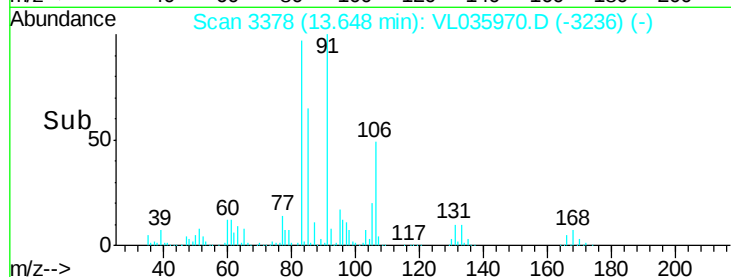
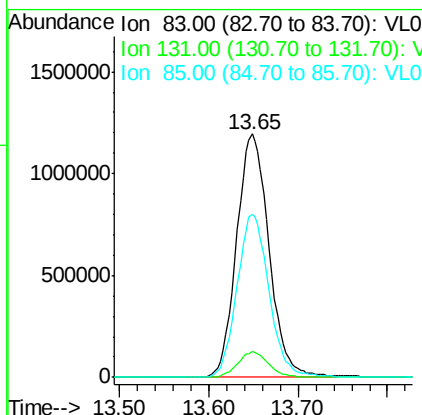
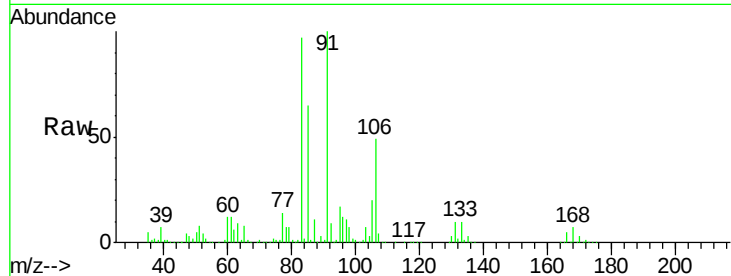
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.500 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3022579
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.3 15.8
 85 66.7 33.5 100.4

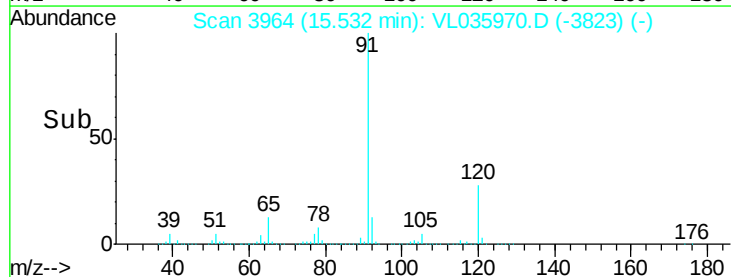
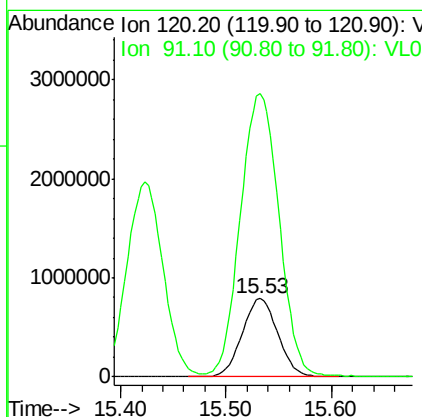
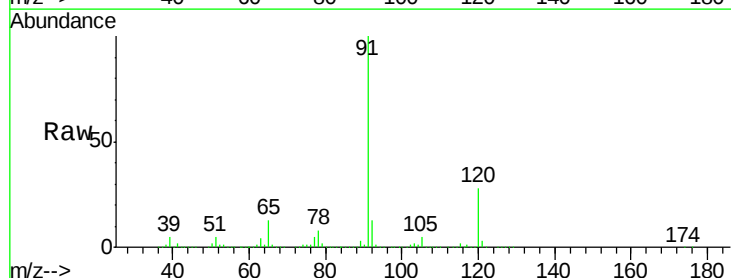
Manual Integrations
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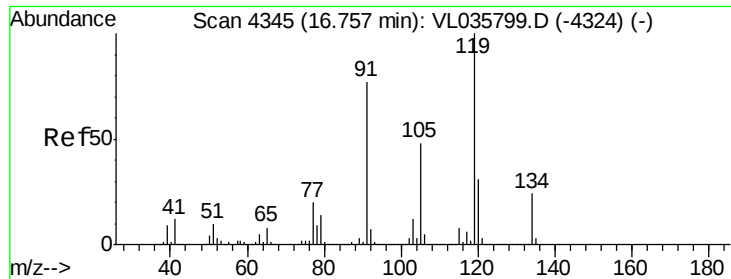
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.915 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.05 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion:120 Resp: 1858704
 Ion Ratio Lower Upper
 120 100
 91 394.3 311.1 466.7





#65

tert-Butylbenzene

Concen: 8.500 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 5580931

Ion Ratio Lower Upper

119 100

91 77.8 62.0 93.0

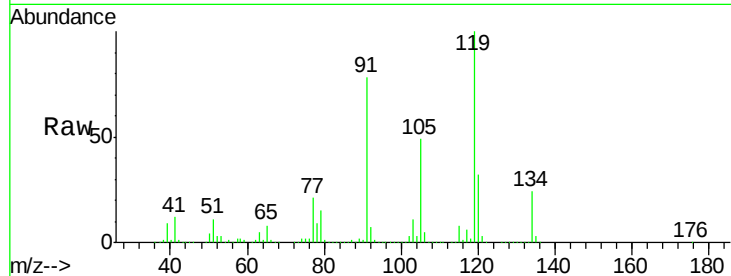
134 22.0 17.8 26.8

Manual Integrations

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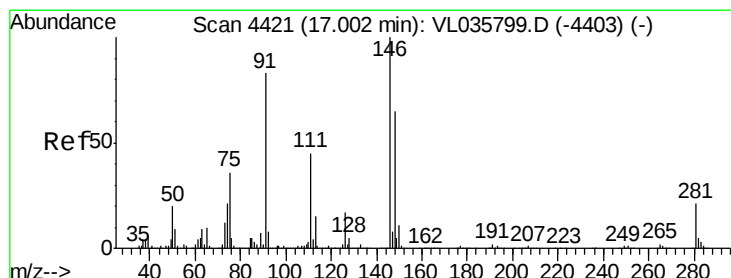
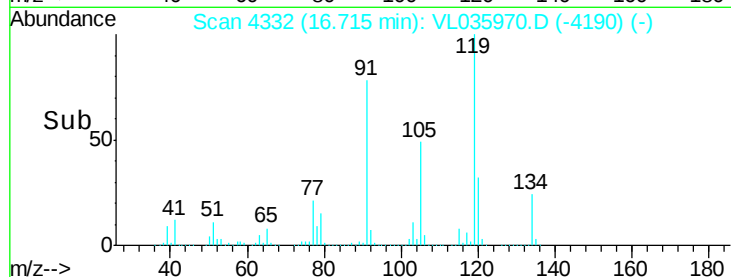
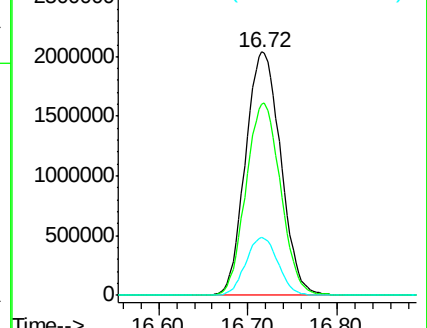
11/20/2020 12:27:15 PM



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: 9.042 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

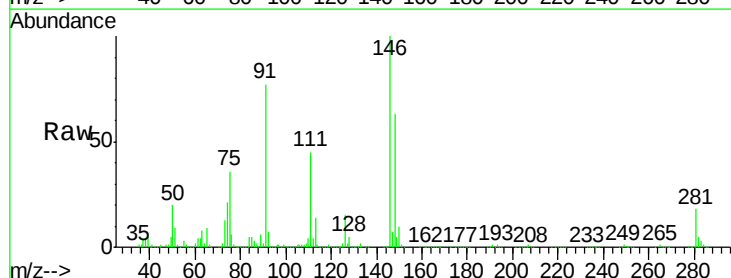
Tgt Ion: 91 Resp: 1962324

Ion Ratio Lower Upper

91 100

126 19.2 16.0 24.0

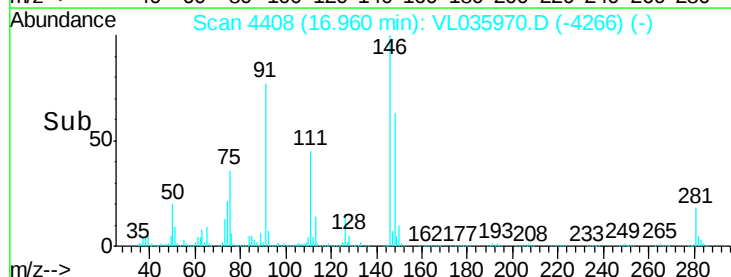
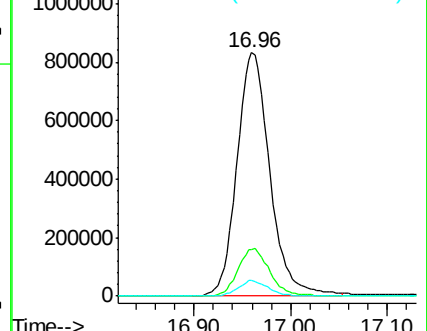
128 6.1 5.0 7.4

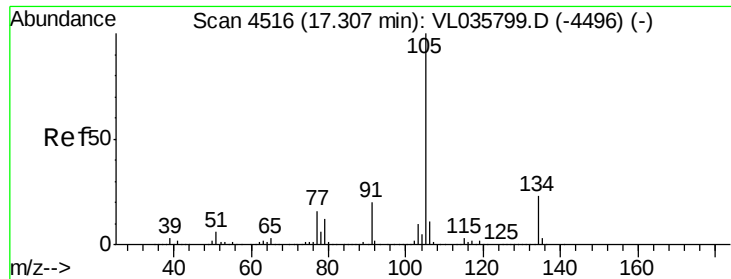


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





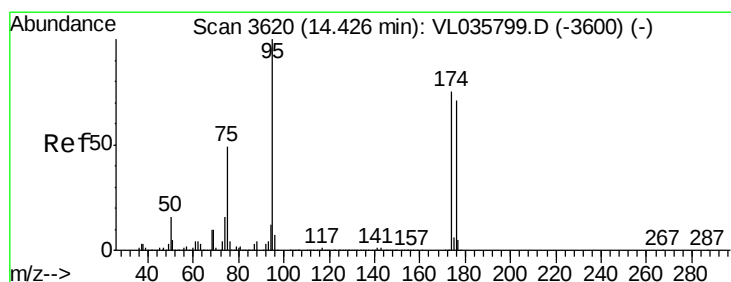
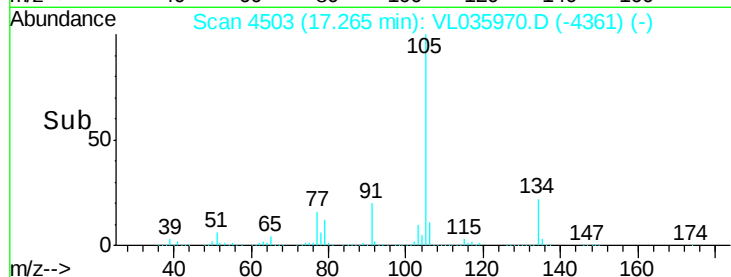
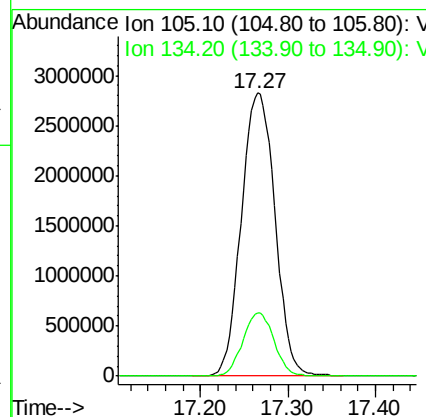
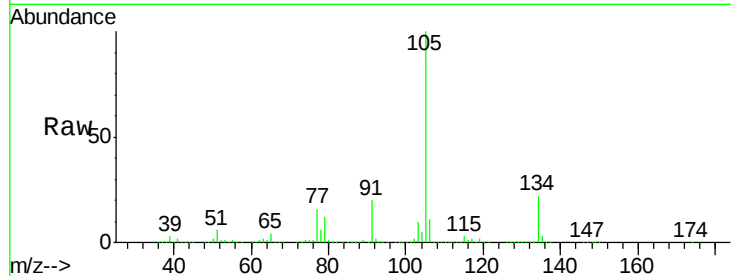
#67
 sec-Butylbenzene
 Concen: 8.526 ppbv
 RT: 17.27 min Scan# 4503
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 7543871
 Ion Ratio Lower Upper
 105 100
 134 20.8 17.0 25.6

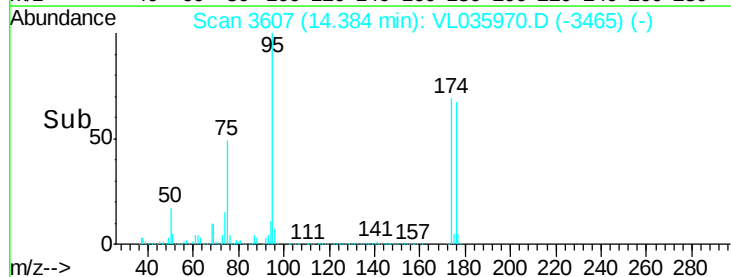
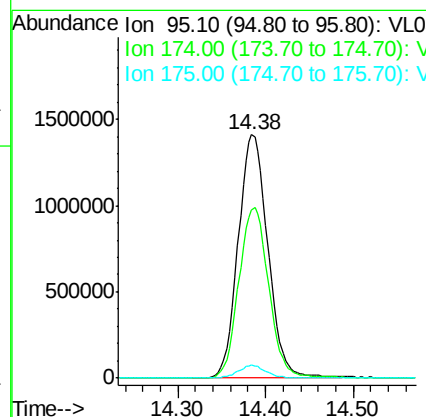
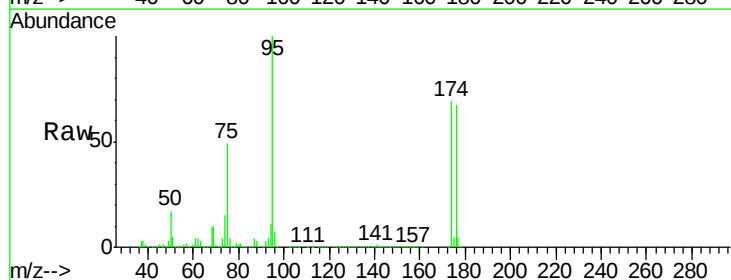
Manual Integrations
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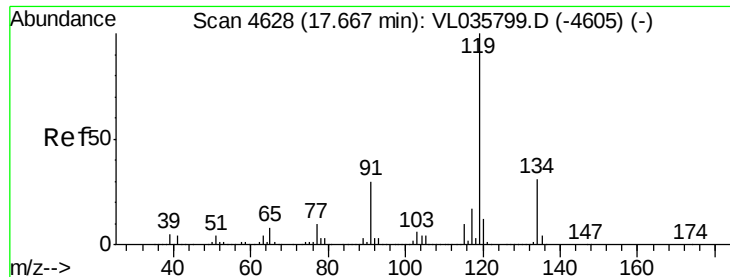
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.233 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 95 Resp: 3328712
 Ion Ratio Lower Upper
 95 100
 174 71.3 59.8 89.6
 175 5.1 4.3 6.5





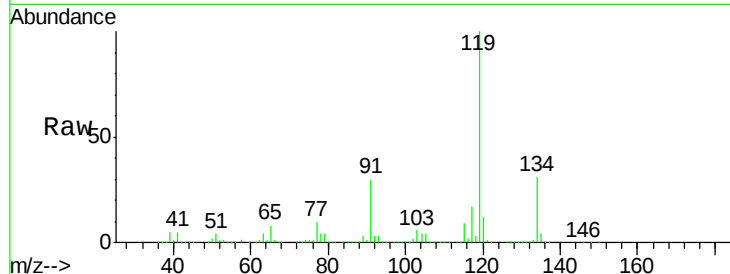
#69
p-Isopropyltoluene
Concen: 8.476 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.04 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

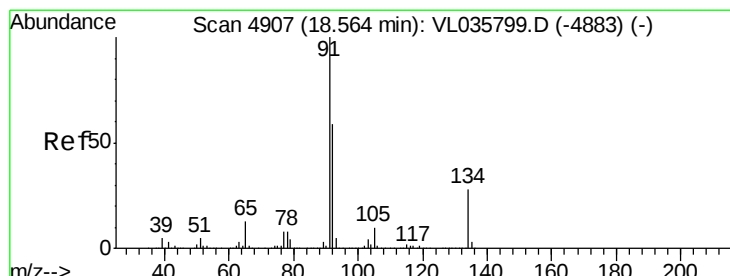
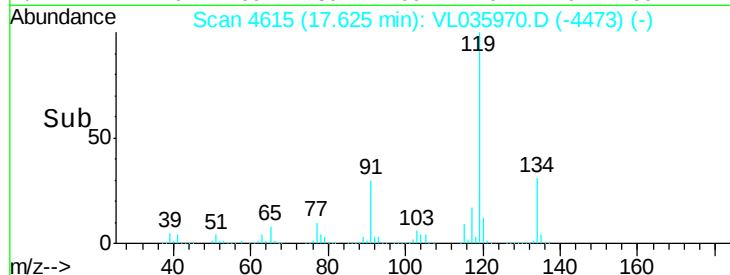
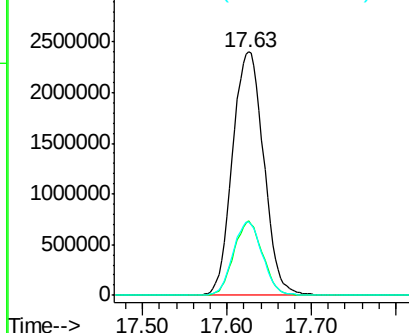
Tot Ion: 119 Resp: 6189021
Ion Ratio Lower Upper
119 100
134 28.3 23.0 34.6
91 28.5 22.8 34.2

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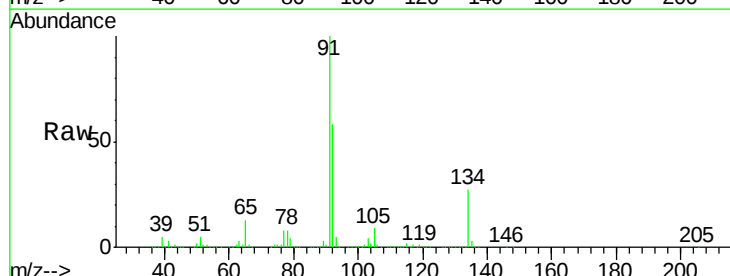


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

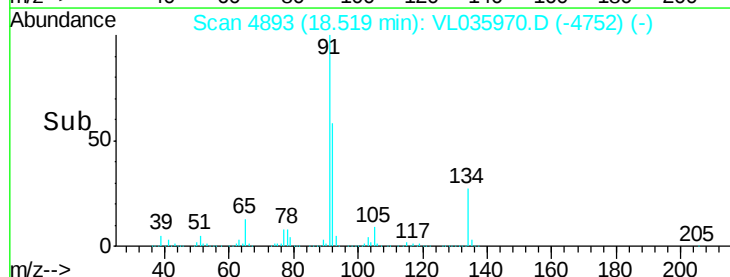
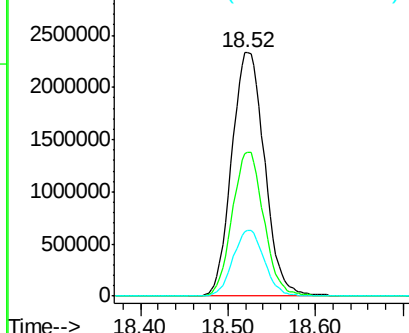


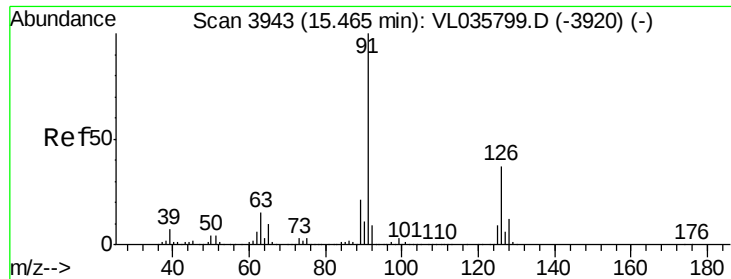
#70
n-Butylbenzene
Concen: 8.656 ppbv
RT: 18.52 min Scan# 4893
Delta R.T. -0.05 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion: 91 Resp: 6086542
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5
134 25.8 21.0 31.4



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





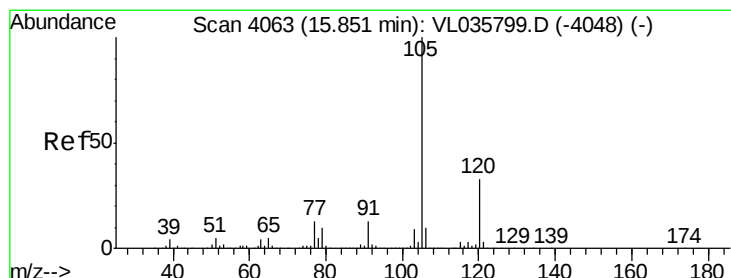
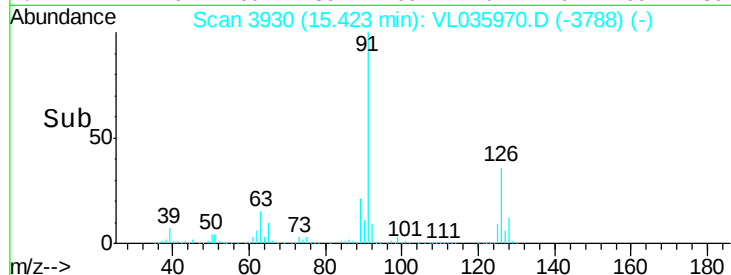
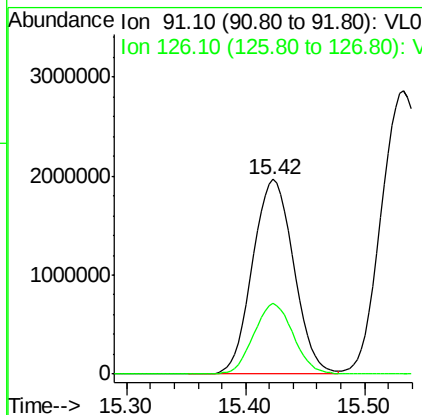
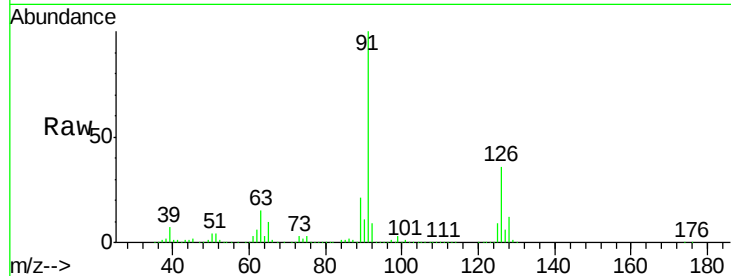
#71
 2-Chlorotoluene
 Concen: 8.957 ppbv
 RT: 15.42 min Scan# 3930
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4725792
 Ion Ratio Lower Upper
 91 100
 126 34.9 14.3 57.1

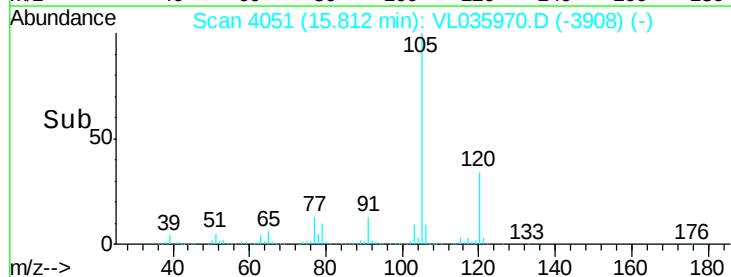
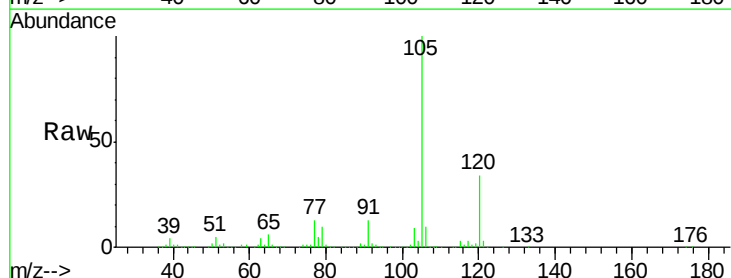
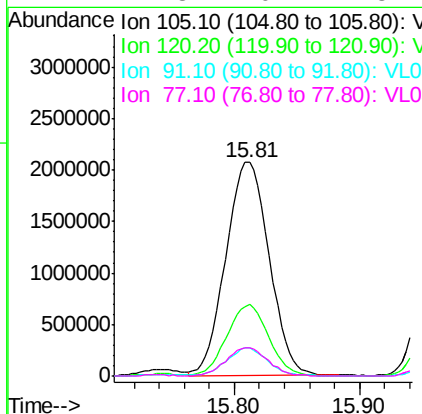
Manual Integrations
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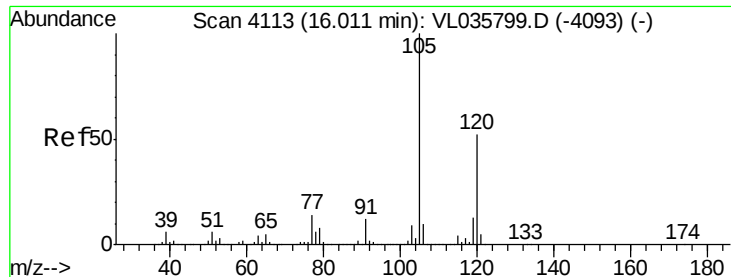
MMDadoda
 11/20/2020 12:27:15 PM



#72
 4-Ethyltoluene
 Concen: 8.904 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Tgt Ion: 105 Resp: 4955735
 Ion Ratio Lower Upper
 105 100
 120 32.4 25.9 38.9
 91 12.4 9.9 14.9
 77 12.8 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.966 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4567017

Ion Ratio Lower Upper

105 100

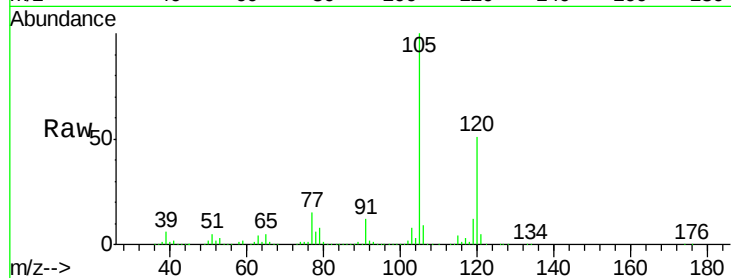
120 50.7 41.4 62.2

Manual Integrations

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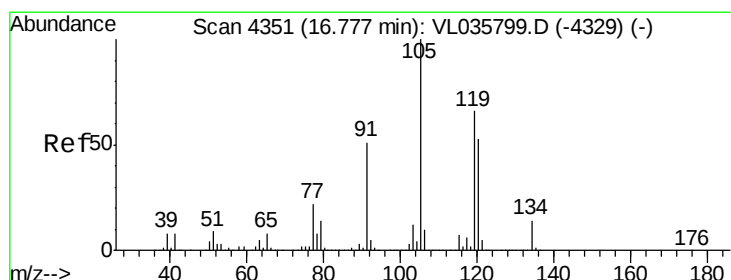
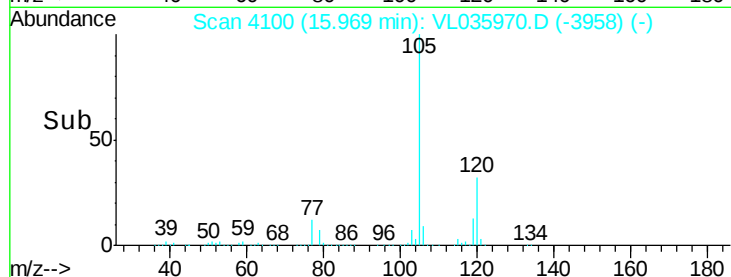
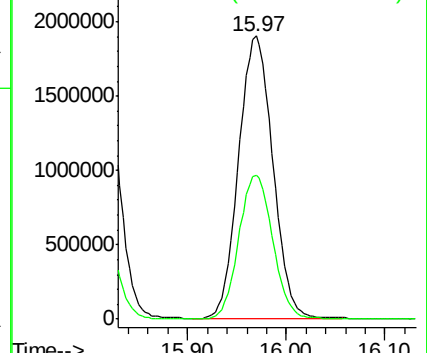
MMDadoda

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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: 8.672 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Tgt Ion:105 Resp: 4732928

Ion Ratio Lower Upper

105 100

120 53.1 42.0 63.0

91 51.6 41.0 61.6

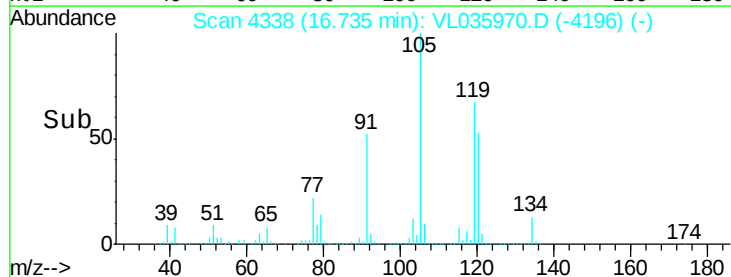
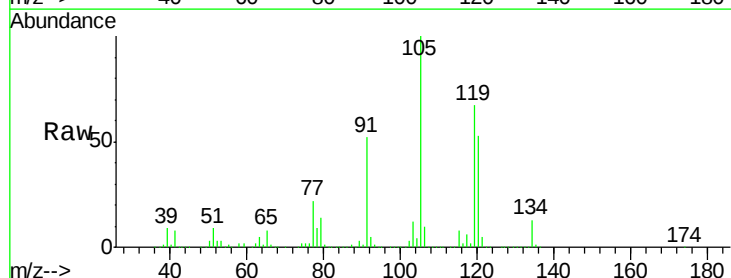
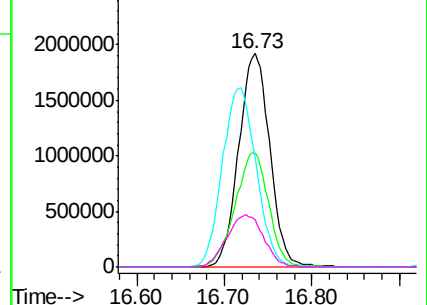
77 22.0 17.3 25.9

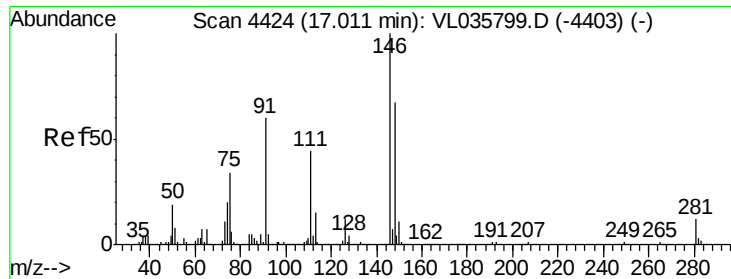
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.405 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2921026

Ion Ratio Lower Upper

146 100

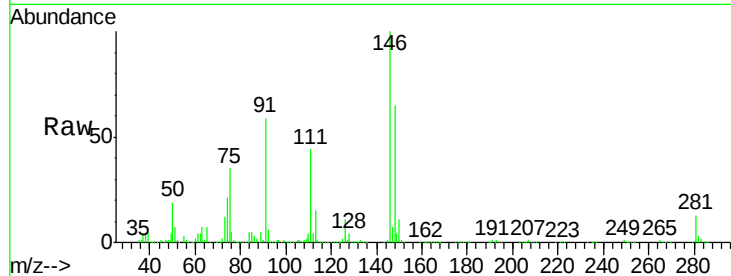
111 44.5 21.8 65.4

148 64.8 32.5 97.5

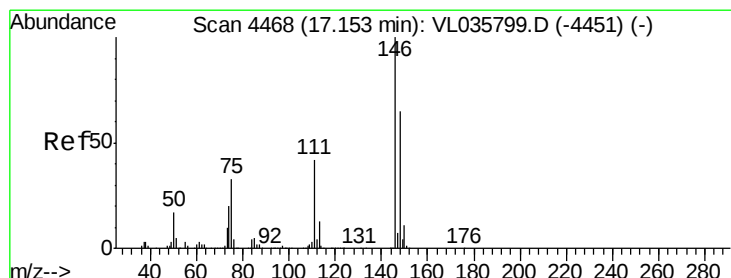
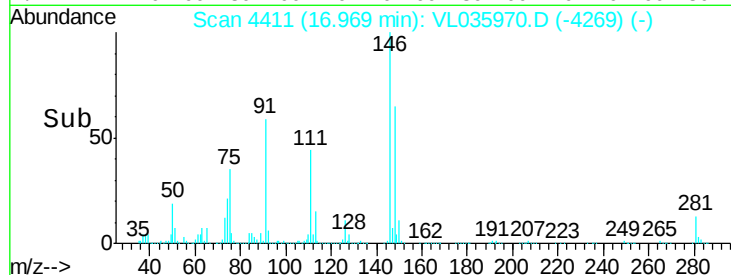
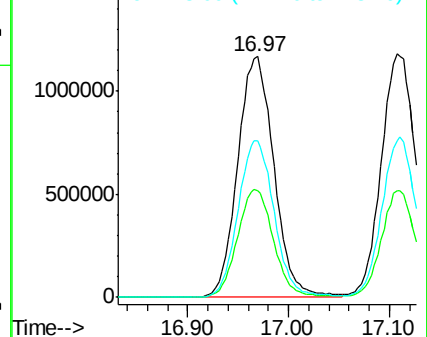
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.571 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.05 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

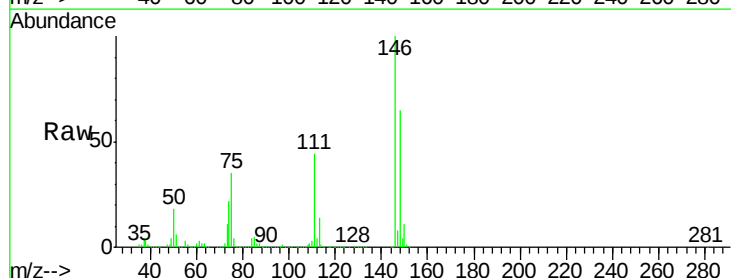
Tgt Ion:146 Resp: 2873497

Ion Ratio Lower Upper

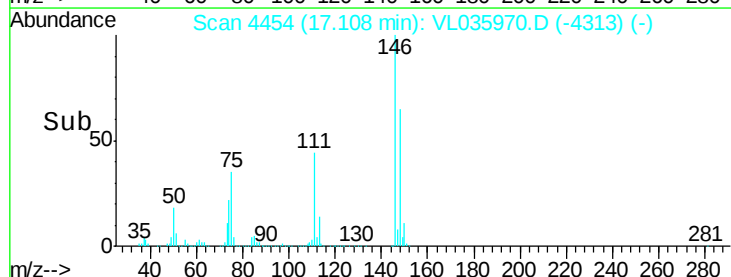
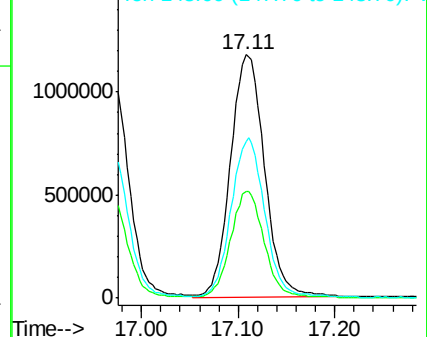
146 100

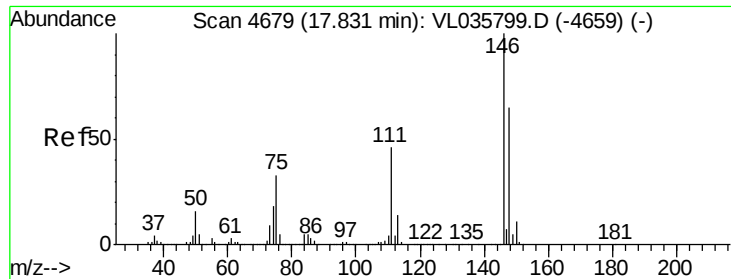
111 43.4 21.3 63.7

148 65.5 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.318 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.04 min

Lab File: VL035970.D

Acq: 18 Nov 2020 10:19

Instrument :

MSVOA_L

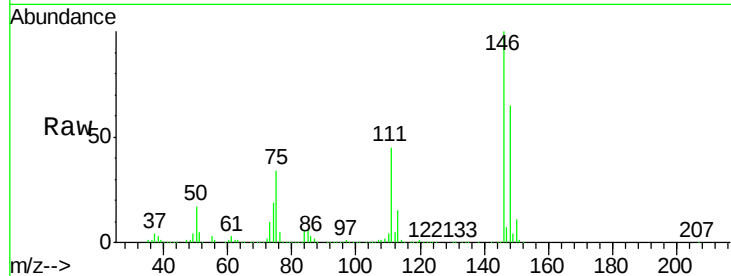
ClientSampled :

VSTDCCC010

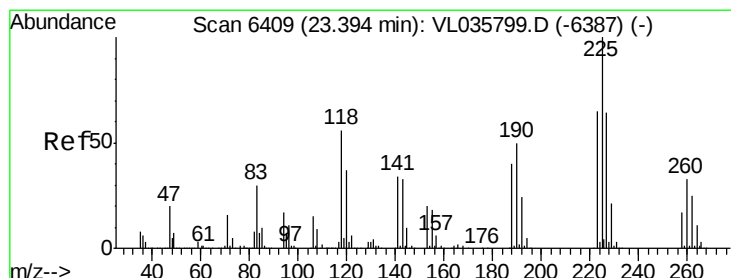
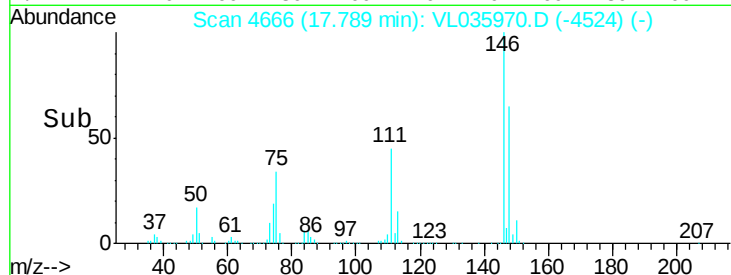
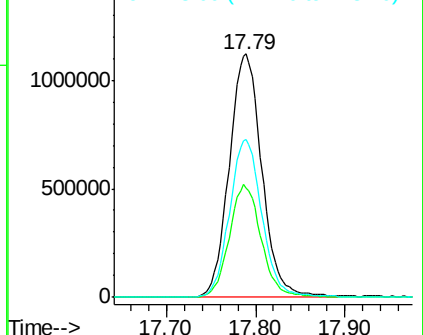
Tot Ion:	146	Resp:	2817939
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.0
148	65.1	32.5	97.5

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.101 ppbv

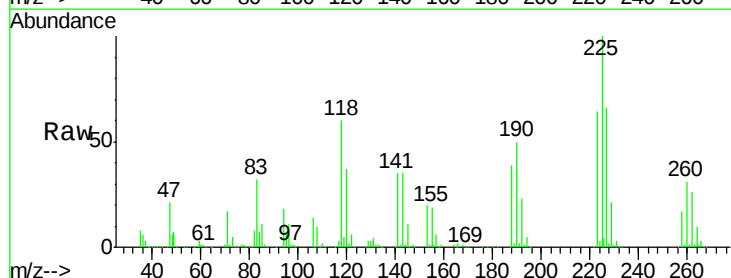
RT: 23.35 min Scan# 6396

Delta R.T. -0.04 min

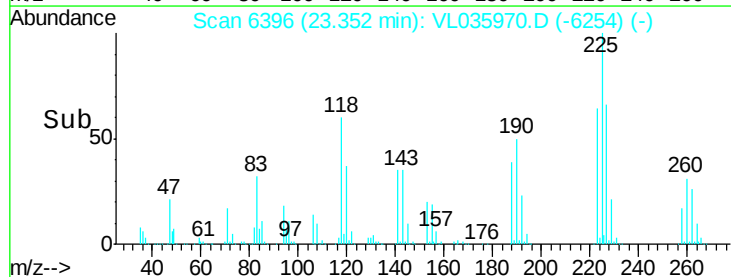
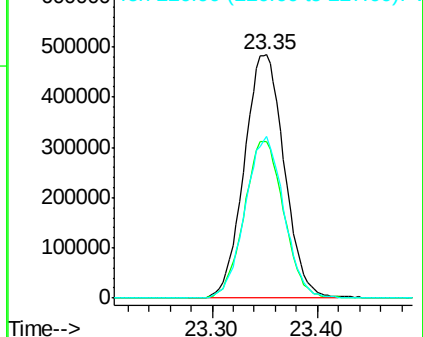
Lab File: VL035970.D

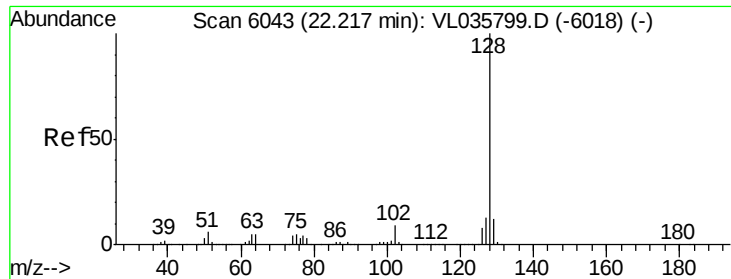
Acq: 18 Nov 2020 10:19

Tgt Ion:	225	Resp:	1280574
Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.6
227	64.5	51.2	76.8



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





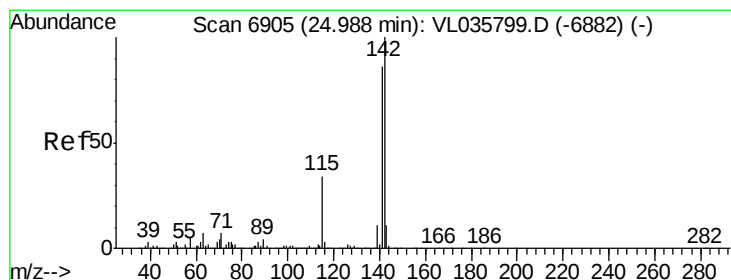
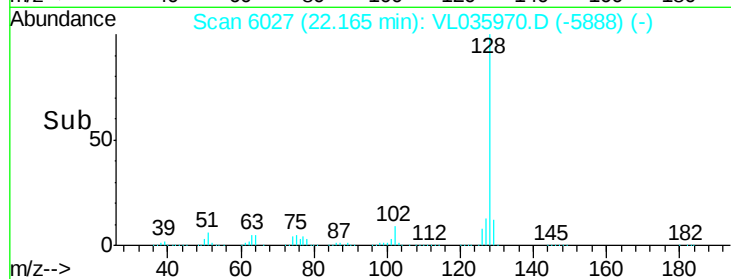
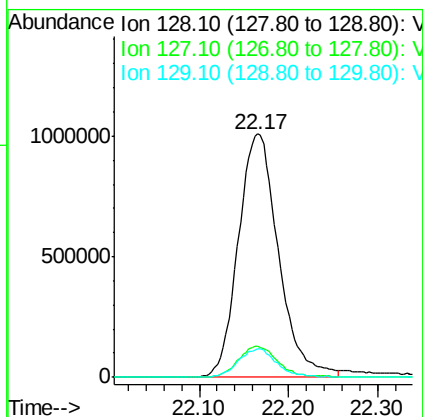
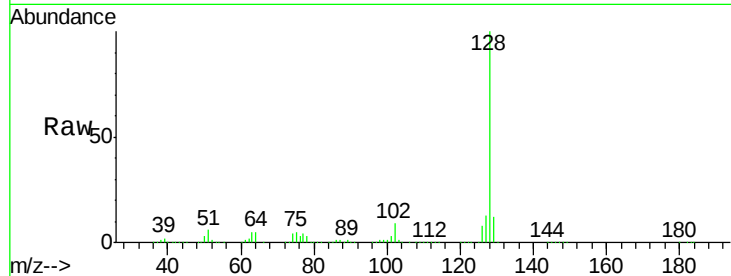
#79
Naphthalene
Concen: 8.316 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. -0.05 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.6	9.2	13.8

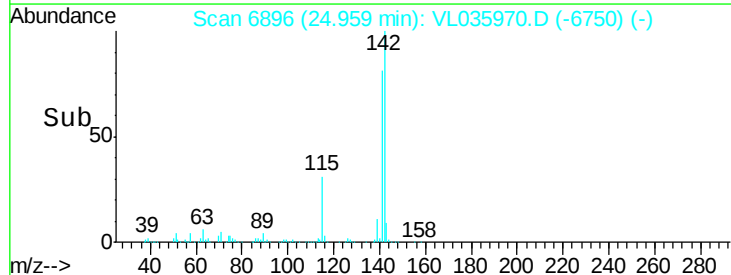
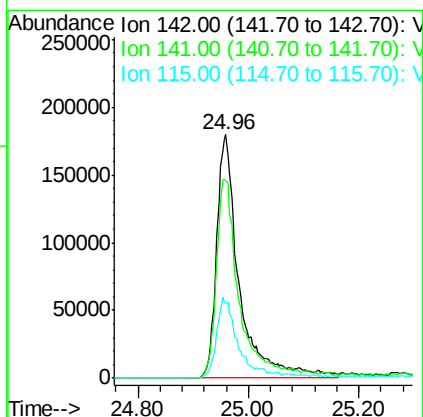
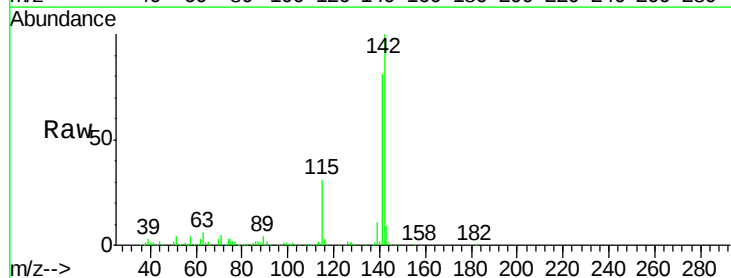
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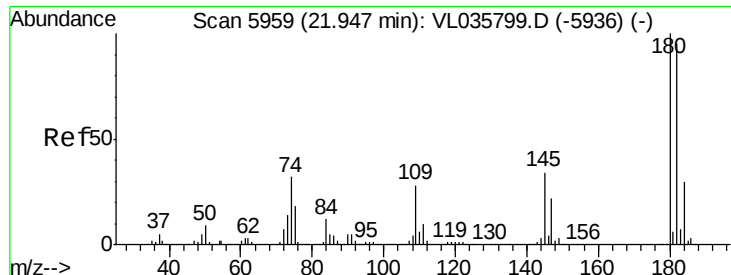
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#80
Naphthalene, 2-methyl-
Concen: 8.265 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.03 min
Lab File: VL035970.D
Acq: 18 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.8	101.8
115	32.3	28.1	42.1





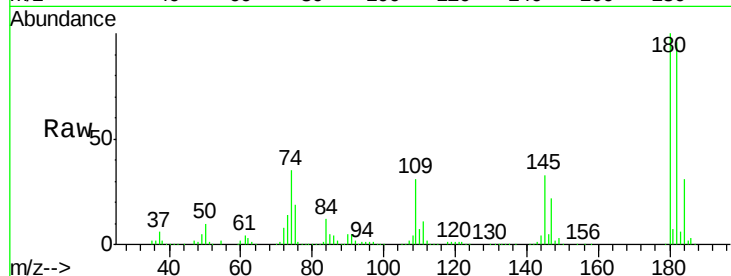
#81
 1,2,4-Trichlorobenzene
 Concen: 7.839 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.05 min
 Lab File: VL035970.D
 Acq: 18 Nov 2020 10:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	77.2	115.8
184	31.8	24.7	37.1

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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

