

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035972.D
 Acq On : 18 Nov 2020 12:48
 Operator : SY/AP
 Sample : VL1118ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:27:18 PM

Quant Time: Nov 19 08:23:17 2020
 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)
1) Bromochloromethane	5.64	49	1139716	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4243636	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	4312606m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	3162692	10.32	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1656364	7.719	ppbv 100
3) Chlorodifluoromethane	2.96	51	1302913	9.546	ppbv 100
4) Chloromethane	3.11	50	643595	9.707	ppbv 99
5) Vinyl Chloride	3.23	62	812827	9.617	ppbv 99
6) Bromomethane	3.45	94	661576	9.733	ppbv 97
7) Chloroethane	3.53	64	299544	10.070	ppbv 94
8) Dichlorotetrafluoroethane	3.16	85	2310264	9.408	ppbv 97
9) Propene	2.98	41	490397	9.817	ppbv 99
10) Heptane	8.09	43	1441328	10.446	ppbv 98
11) Trichlorofluoromethane	3.92	101	2721188	10.100	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2033659	10.138	ppbv 96
13) Ethanol	3.58	45	90354	8.337	ppbv 97
14) Bromoethene	3.71	108	853756	9.248	ppbv 98
15) Acetone	3.82	43	1156145	9.489	ppbv 99
16) 1,3-Butadiene	3.30	39	513720	9.793	ppbv 99
17) tert-Butyl alcohol	4.26	59	1567962	9.710	ppbv 100
18) 1,1-Dichloroethene	4.26	96	924911	10.042	ppbv 95
19) Isopropyl Alcohol	3.94	45	731079	9.764	ppbv 99
20) Methylene Chloride	4.31	84	762189	8.886	ppbv 99
21) Allyl Chloride	4.38	41	681418	10.341	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	936758	10.033	ppbv 98
23) Vinyl Acetate	5.04	43	1529003	8.952	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1586717	9.751	ppbv 100
25) Ethyl Acetate	5.65	43	2409381	10.037	ppbv 99
26) Hexane	5.65	57	1259964	9.518	ppbv 97
27) Carbon Disulfide	4.52	76	2043055	10.300	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	2121724	8.925	ppbv 100
29) Chloroform	5.72	83	2502187	9.617	ppbv 98
30) Cyclohexane	7.10	84	1332011	9.239	ppbv 98
31) cis-1,2-Dichloroethene	5.52	61	1316299	9.666	ppbv 96
32) 1,1,1-Trichloroethane	6.48	97	2405479	8.859	ppbv 99
34) 2-Butanone	5.21	43	1525162	11.074	ppbv 98
35) Carbon Tetrachloride	6.99	117	2394442	10.560	ppbv 99
36) Benzene	6.86	78	3139361	9.951	ppbv 99
37) 1,2-Dichloroethane	6.28	62	1539622	10.772	ppbv 99
38) Trichloroethene	7.80	130	1467164	9.521	ppbv 95
39) 1,2-Dichloropropane	7.58	63	1112376	10.473	ppbv 98
40) 1,4-Dioxane	7.80	88	506006	10.052	ppbv 91
41) Tetrahydrofuran	6.02	42	883287	11.289	ppbv 99
42) Bromodichloromethane	7.76	83	2583299	10.712	ppbv 99
43) Methyl Methacrylate	7.98	69	1300552	10.808	ppbv 97

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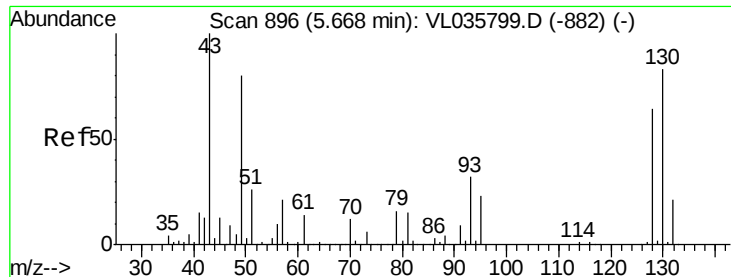
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4383210	10.499	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1383978	10.849	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1717806	10.633	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1482182	10.241	ppbv	98
48) Dibromochloromethane	10.27	129	2400428	10.856	ppbv	99
49) Bromoform	13.01	173	2049831	10.987	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2422052	11.501	ppbv	99
51) 2-Hexanone	10.10	43	2009656	11.879	ppbv #	98
52) Tetrachloroethene	11.19	164	1341609	8.976	ppbv	96
53) Toluene	9.77	91	3844490	10.099	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2244813	10.199	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1883403	9.730	ppbv	98
57) Chlorobenzene	12.11	112	3174653	9.258	ppbv	99
58) Ethyl Benzene	12.68	91	5026900	9.571	ppbv	100
59) m/p-Xylene	12.96	91	8666935m	19.503	ppbv	
60) o-Xylene	13.66	91	4263901	9.863	ppbv	99
61) Styrene	13.50	104	3163204	9.987	ppbv	99
62) Isopropylbenzene	14.64	105	6339932	9.331	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3166386	9.453	ppbv	99
64) n-propylbenzene	15.54	120	1898361	9.666	ppbv	97
65) tert-Butylbenzene	16.72	119	5843107	9.448	ppbv	98
66) Benzyl Chloride	16.96	91	2207309	10.798	ppbv	98
67) sec-Butylbenzene	17.27	105	7941795	9.529	ppbv	99
69) p-Isopropyltoluene	17.63	119	6671328	9.700	ppbv	99
70) n-Butylbenzene	18.52	91	6808545	10.280	ppbv	99
71) 2-Chlorotoluene	15.43	91	4885039	9.829	ppbv	98
72) 4-Ethyltoluene	15.81	105	5189547	9.898	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4801042	10.006	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	5089212	9.899	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3171249	9.688	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	3105624	9.835	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3097651	9.707	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1744101	11.714	ppbv	99
79) Naphthalene	22.16	128	4503586	12.566	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	906252	15.517	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2252499	11.249	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

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VL1118ABS01

Tot Ion: 49 Resp: 1139716

Ion Ratio Lower Upper

49 100

128 79.4 41.5 124.6

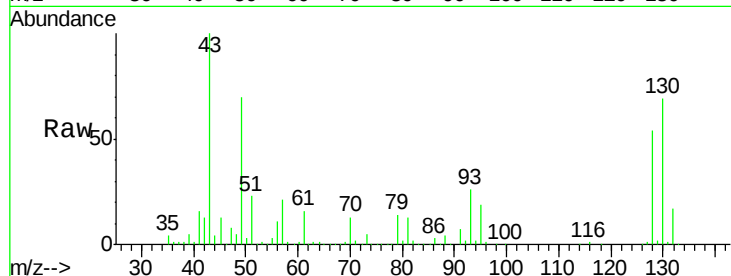
130 101.6 53.7 161.1

Manual Integrations

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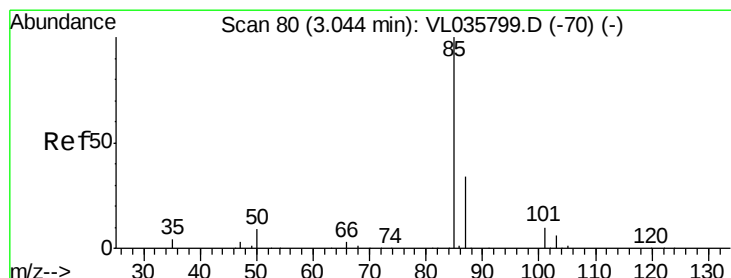
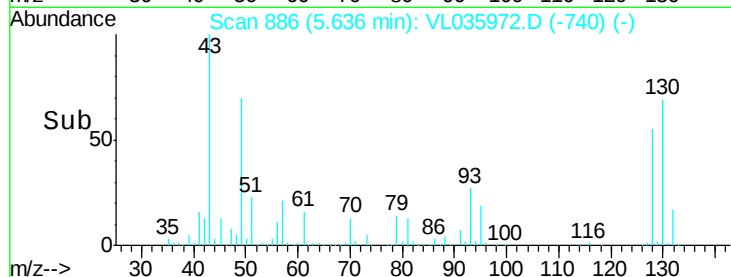
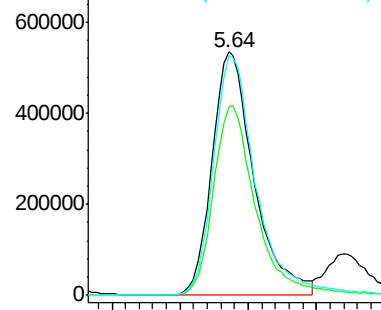
11/20/2020 12:27:18 PM



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: 7.719 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035972.D

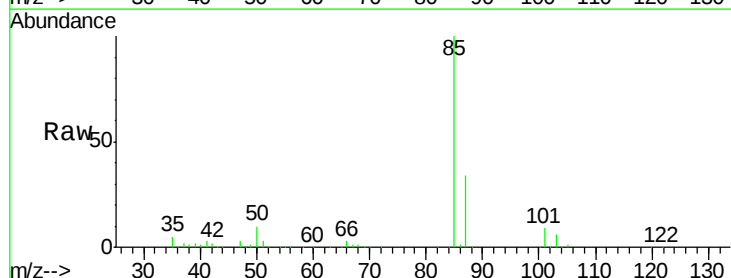
Acq: 18 Nov 2020 12:48

Tgt Ion: 85 Resp: 1656364

Ion Ratio Lower Upper

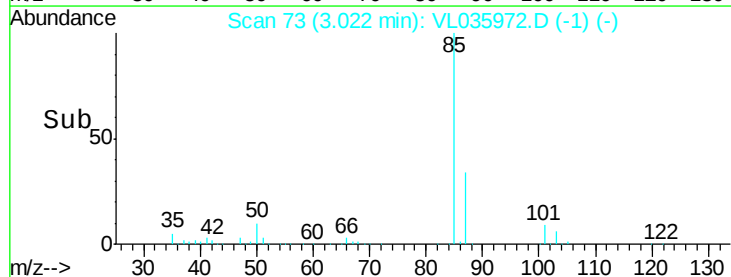
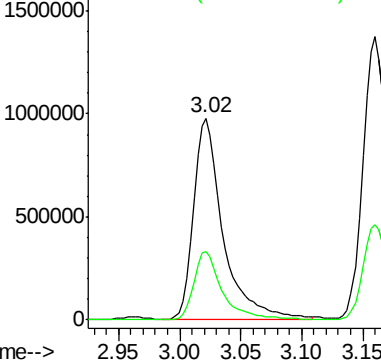
85 100

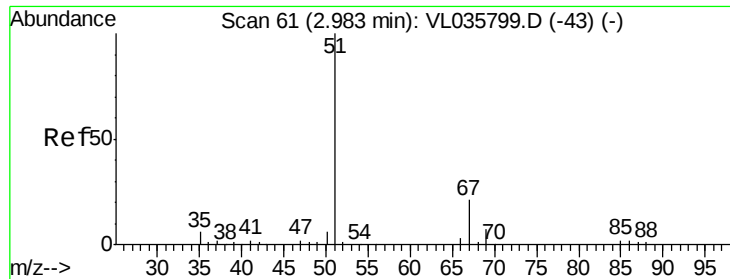
87 34.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.546 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 51 Resp: 1302913

Ion Ratio Lower Upper

51 100

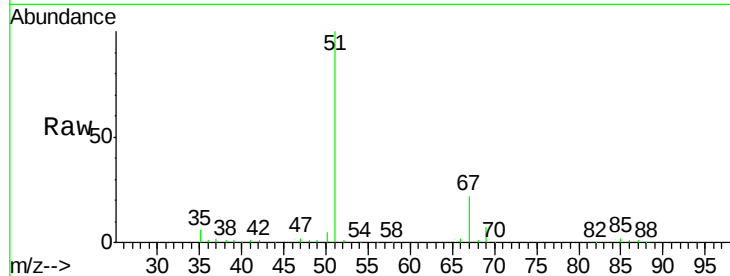
67 21.4 17.0 25.4

Manual Integrations

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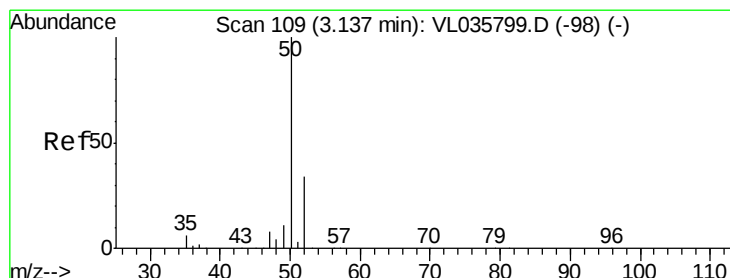
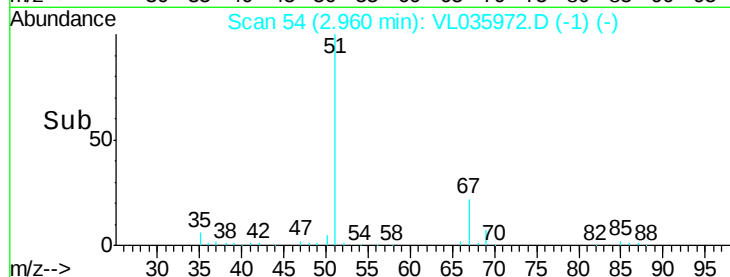
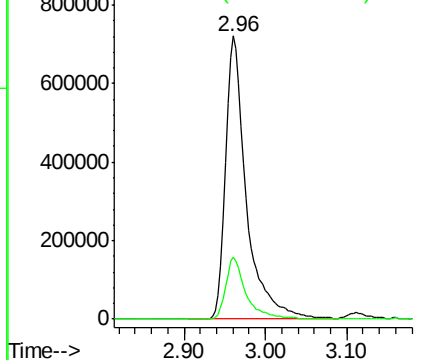
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11/20/2020 12:27:18 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.707 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.03 min

Lab File: VL035972.D

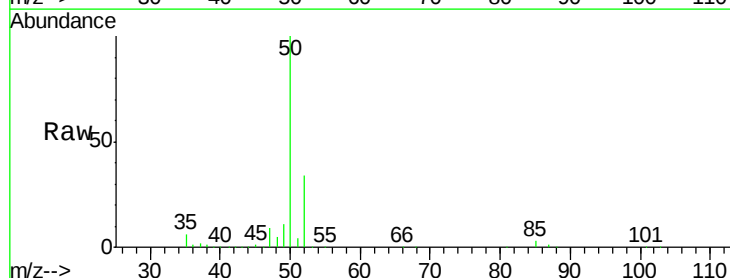
Acq: 18 Nov 2020 12:48

Tgt Ion: 50 Resp: 643595

Ion Ratio Lower Upper

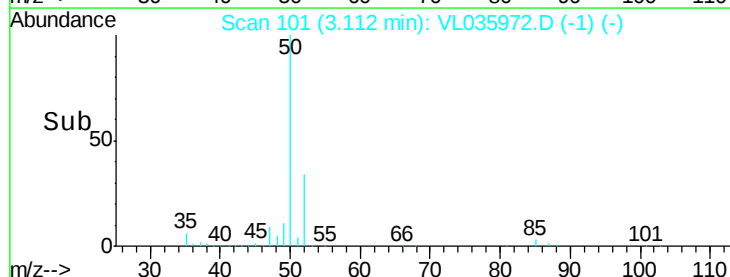
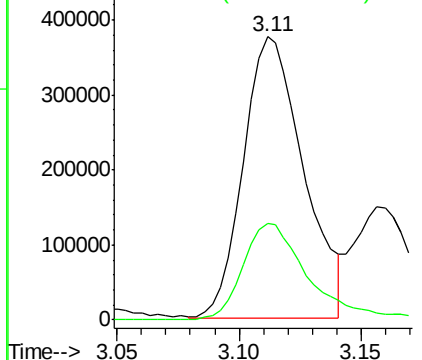
50 100

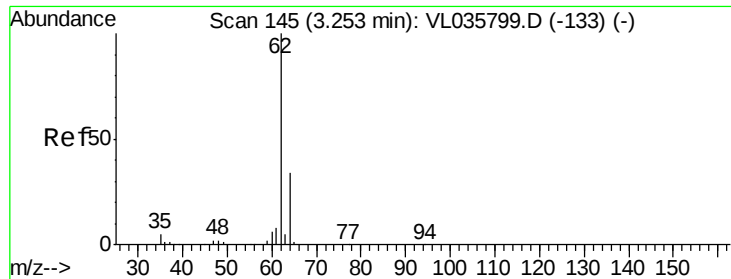
52 34.5 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.617 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleID :

VL1118ABS01

Tot Ion: 62 Resp: 812827

Ion Ratio Lower Upper

62 100

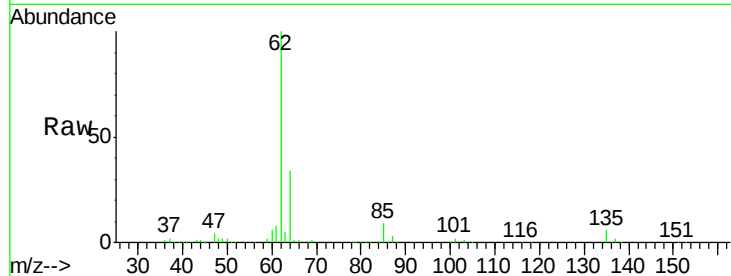
64 33.9 26.9 40.3

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

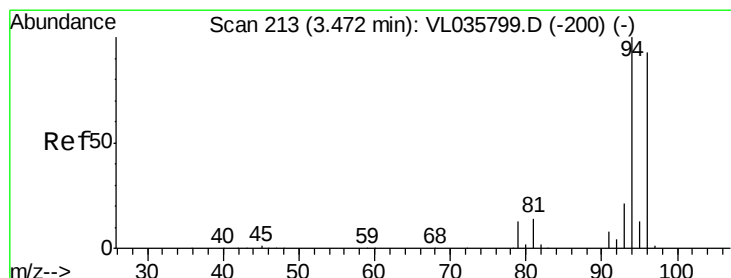
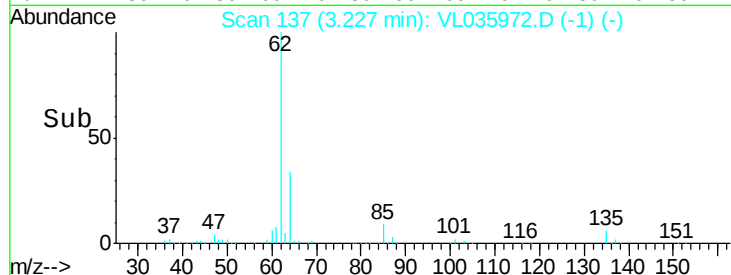
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.733 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035972.D

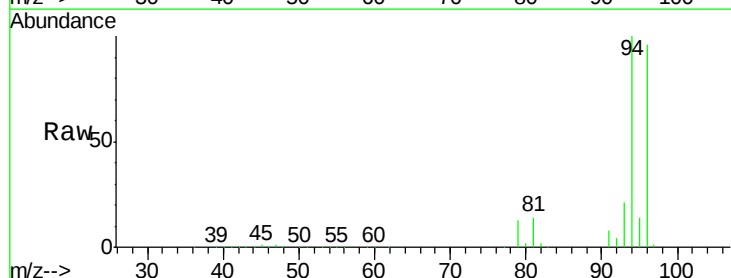
Acq: 18 Nov 2020 12:48

Tgt Ion: 94 Resp: 661576

Ion Ratio Lower Upper

94 100

96 96.0 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

400000

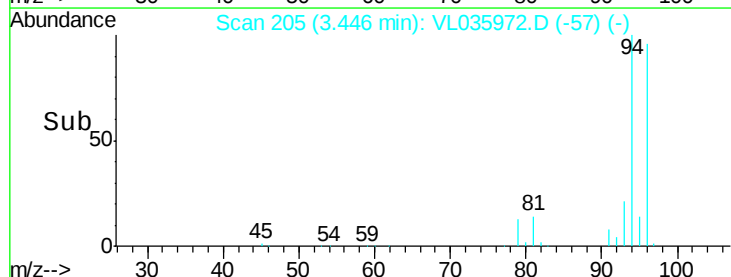
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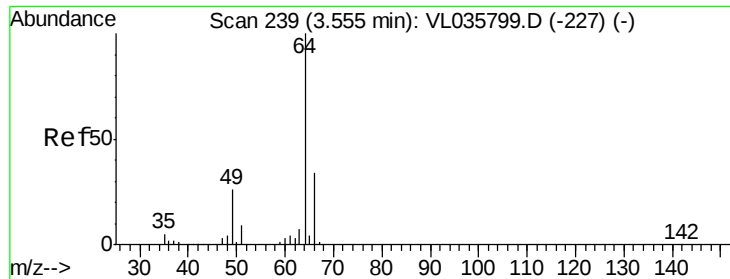
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.070 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 64 Resp: 299544

Ion Ratio Lower Upper

64 100

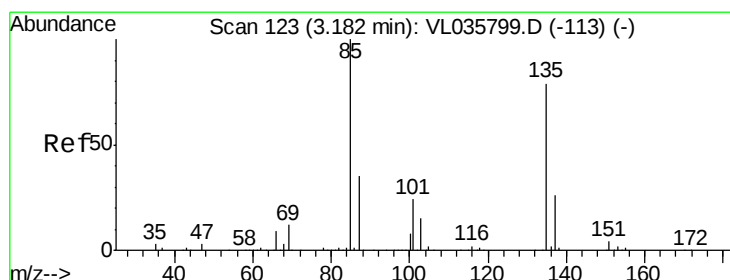
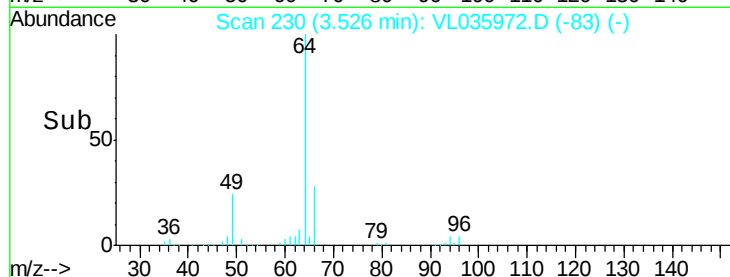
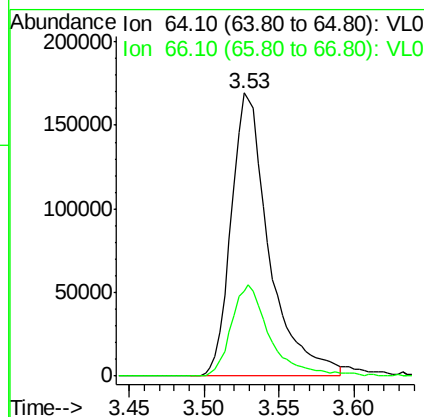
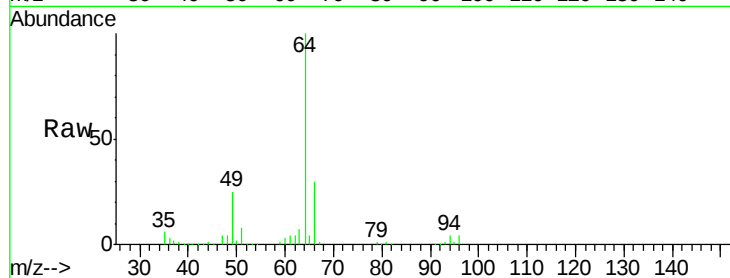
66 30.2 27.0 40.6

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11/20/2020 12:27:18 PM



#8

Dichlorotetrafluoroethane

Concen: 9.408 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.02 min

Lab File: VL035972.D

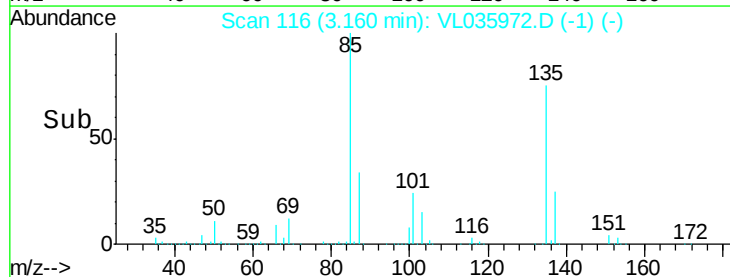
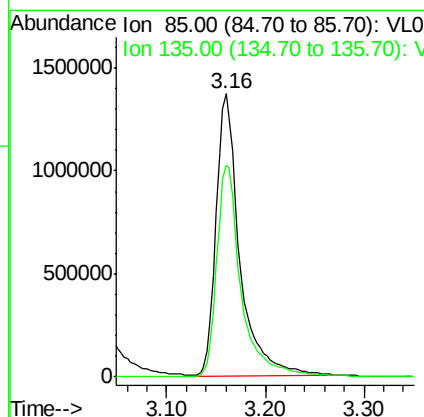
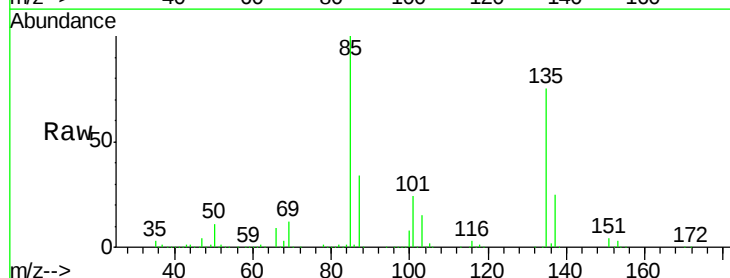
Acq: 18 Nov 2020 12:48

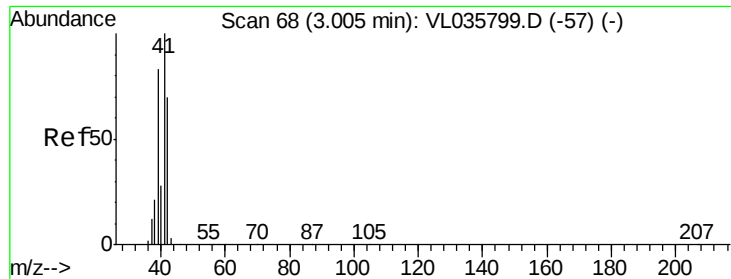
Tgt Ion: 85 Resp: 2310264

Ion Ratio Lower Upper

85 100

135 77.7 64.6 96.8





#9

Propene

Concen: 9.817 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

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ClientSampleId :

VL1118ABS01

Tot Ion: 41 Resp: 490397

Ion Ratio Lower Upper

41 100

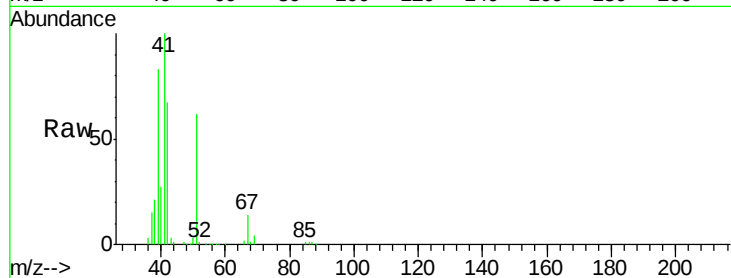
42 69.8 56.2 84.4

Manual Integrations

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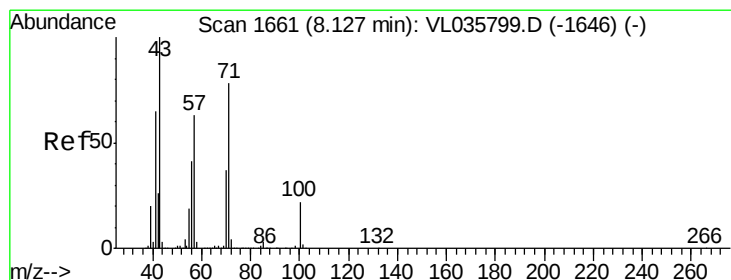
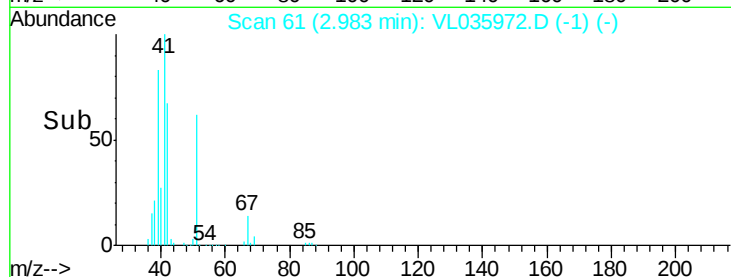
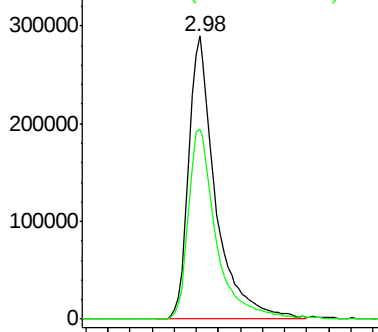
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.446 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.04 min

Lab File: VL035972.D

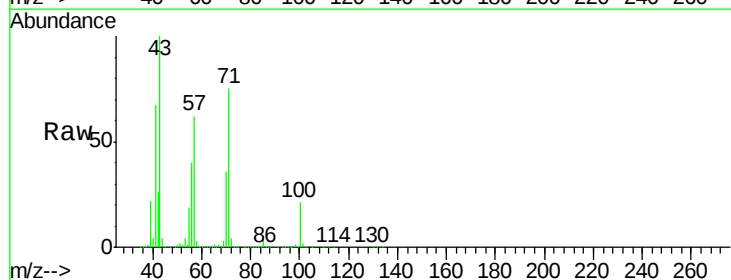
Acq: 18 Nov 2020 12:48

Tgt Ion: 43 Resp: 1441328

Ion Ratio Lower Upper

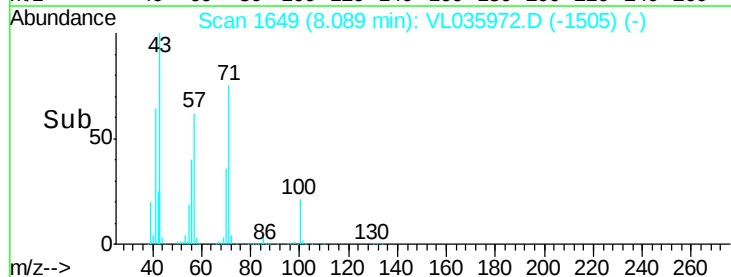
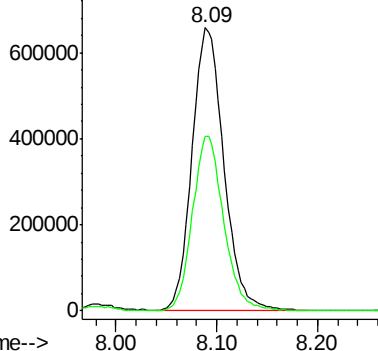
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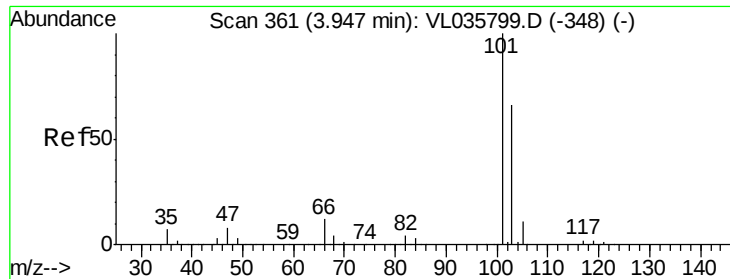
57 61.2 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





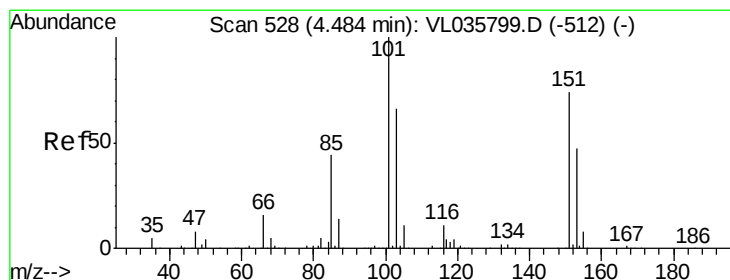
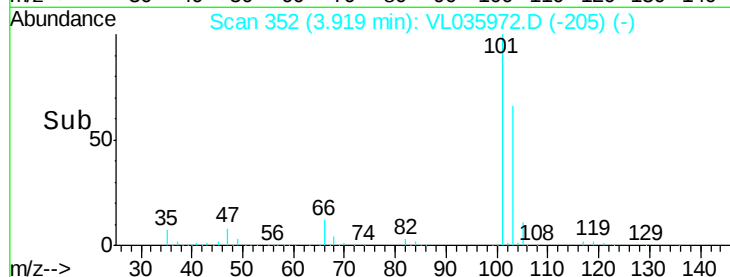
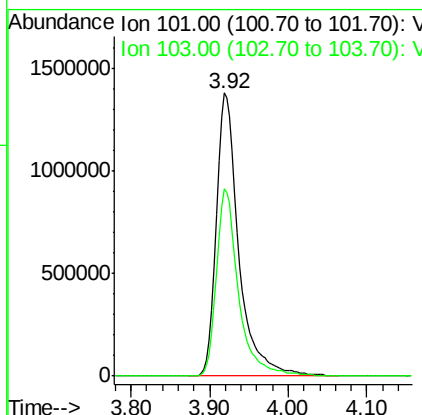
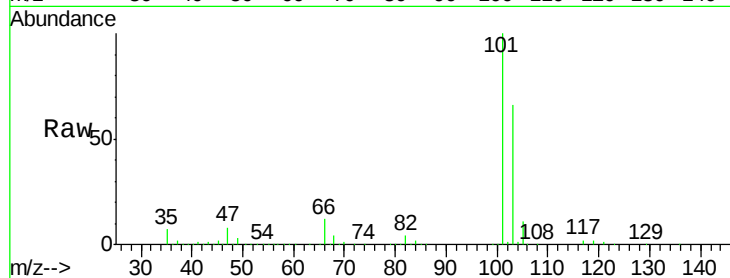
#11
 Trichlorofluoromethane
 Concen: 10.100 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion:101 Resp: 2721188
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

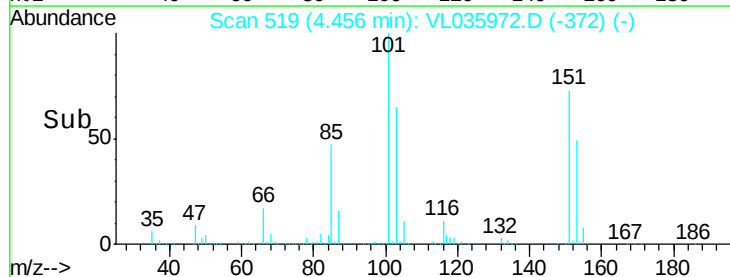
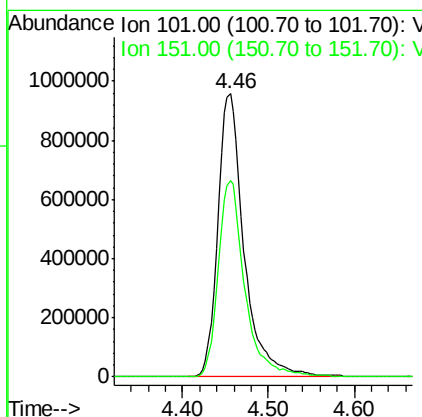
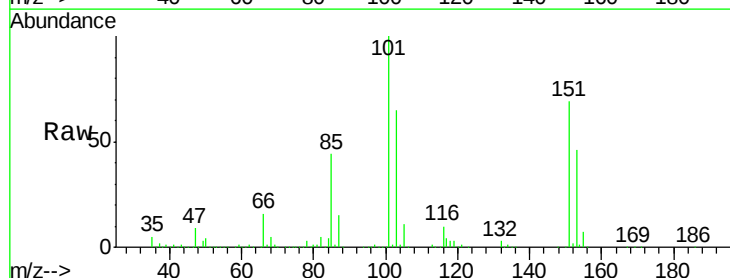
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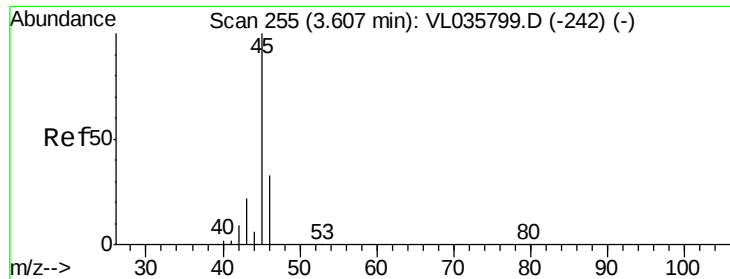
MMDadoda
 11/20/2020 12:27:18 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.138 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:101 Resp: 2033659
 Ion Ratio Lower Upper
 101 100
 151 70.6 58.9 88.3





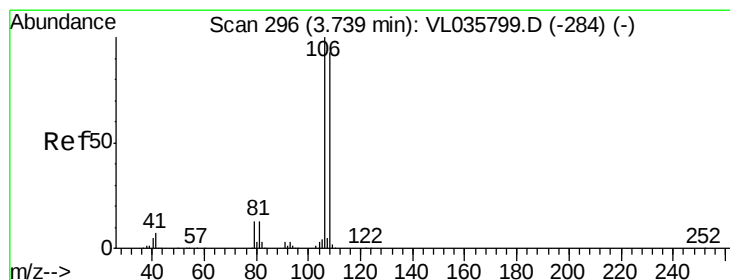
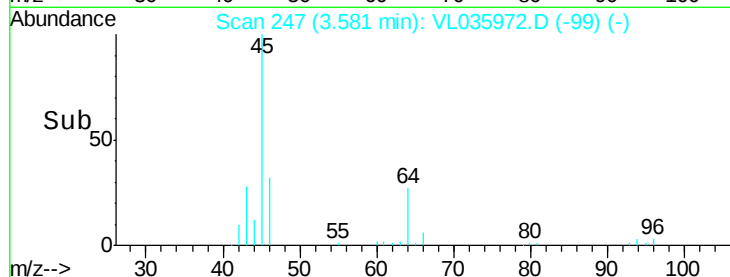
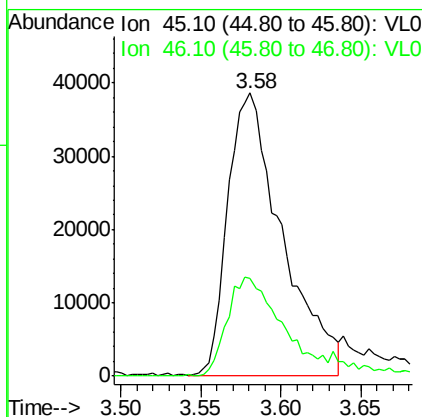
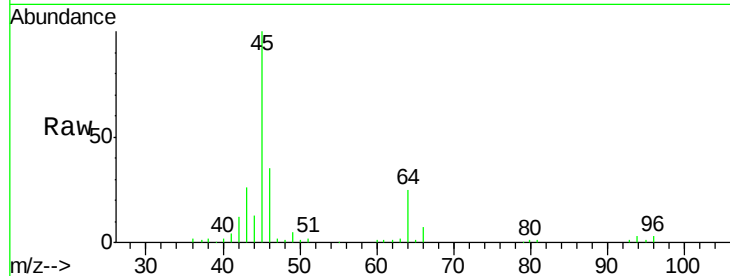
#13
Ethanol
Concen: 8.337 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion	45	46	Ratio	100	38.2	Resp:	90354	Lower	16.1	Upper	64.5
Ion	45	46	Ratio	100	38.2	Resp:	90354	Lower	16.1	Upper	64.5

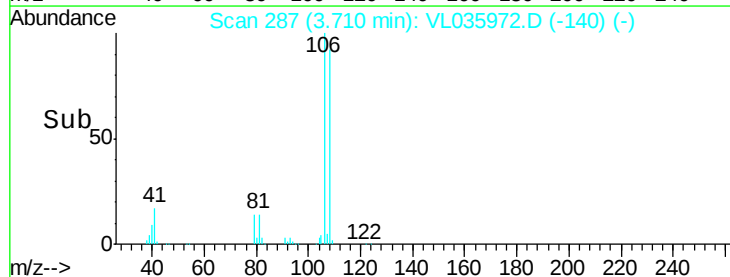
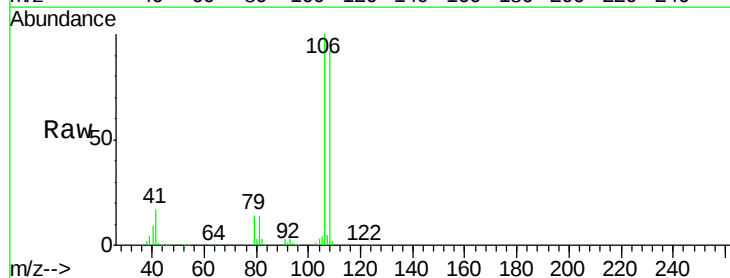
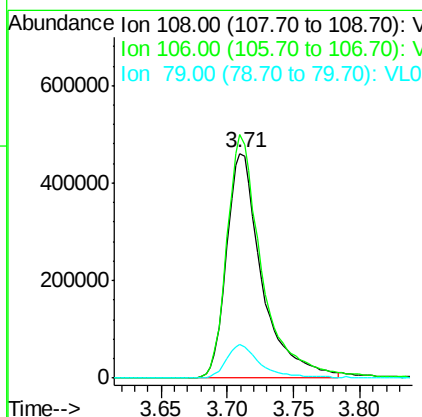
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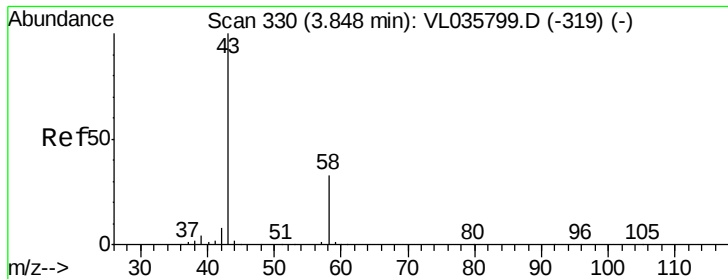
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#14
Bromoethene
Concen: 9.248 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion	108	106	79	Ratio	100	108.8	15.2	Resp:	853756	Lower	85.3	Upper	127.9	17.4
Ion	108	106	79	Ratio	100	108.8	15.2	Resp:	853756	Lower	85.3	Upper	127.9	17.4





#15

Acetone

Concen: 9.489 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 43 Resp: 1156145

Ion Ratio Lower Upper

43 100

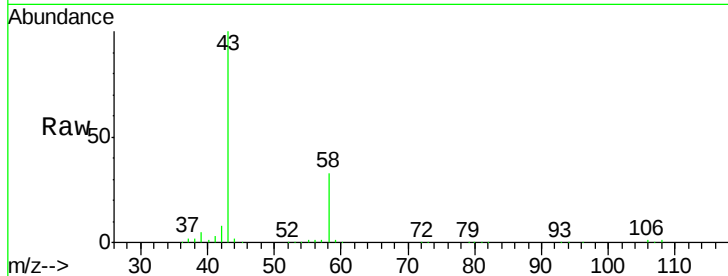
58 34.0 27.5 41.3

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.82

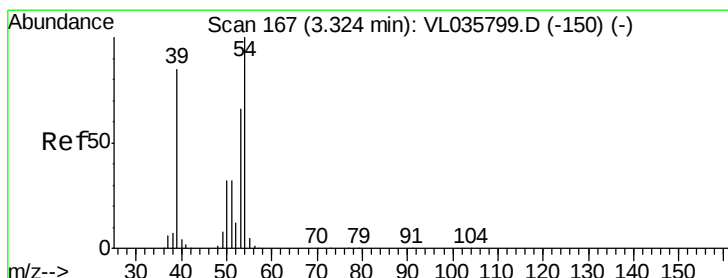
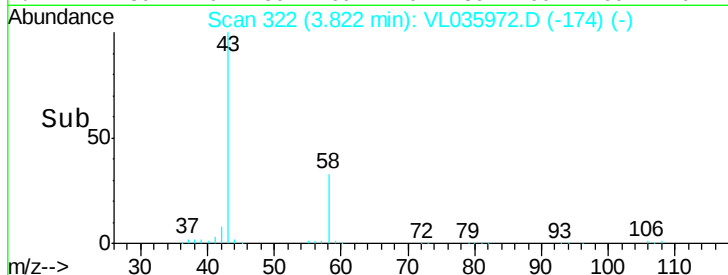
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.793 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL035972.D

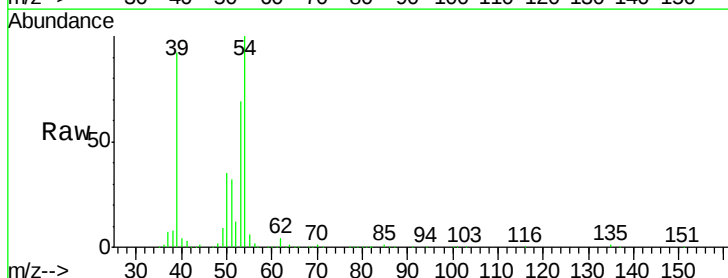
Acq: 18 Nov 2020 12:48

Tgt Ion: 39 Resp: 513720

Ion Ratio Lower Upper

39 100

54 108.0 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.30

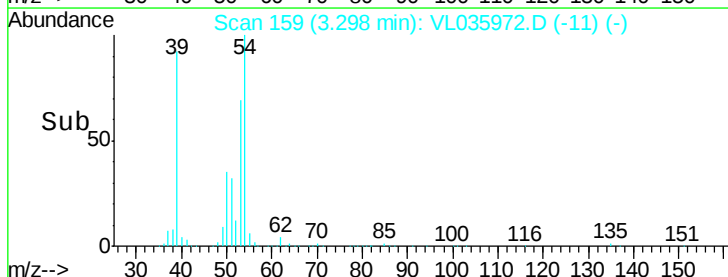
300000

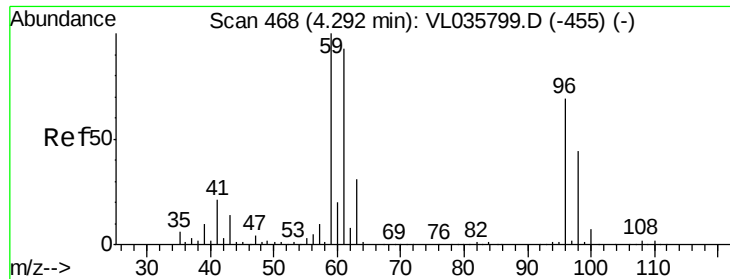
200000

100000

0

Time-->





#17

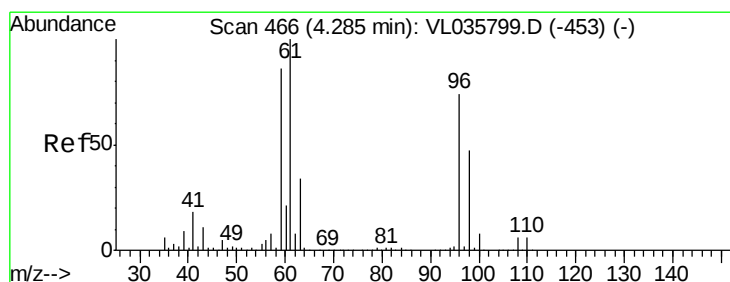
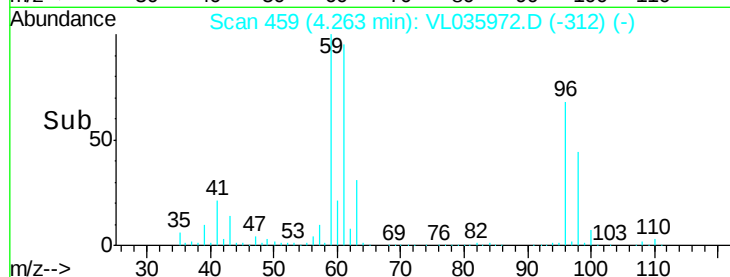
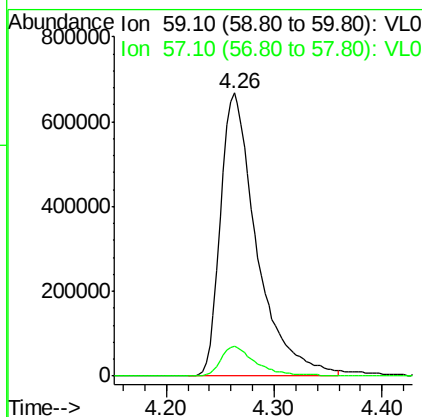
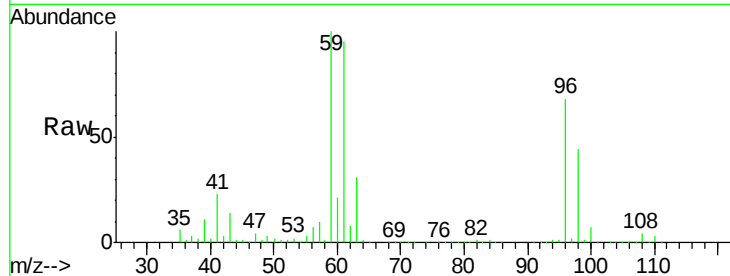
tert-Butyl alcohol
 Concen: 9.710 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 59 Resp: 1567962
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

Manual Integrations
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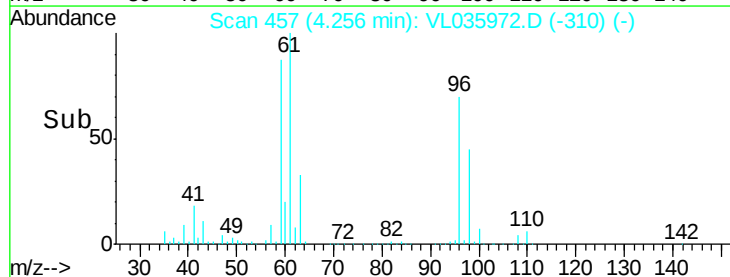
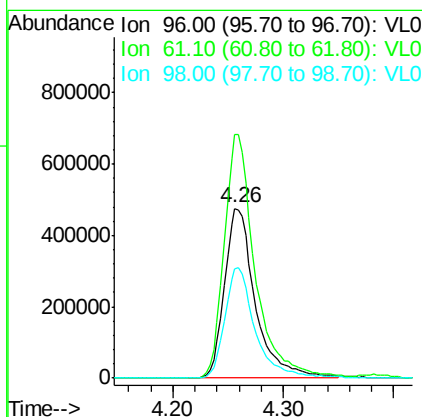
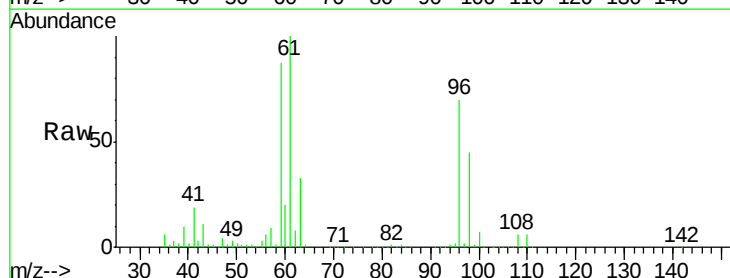
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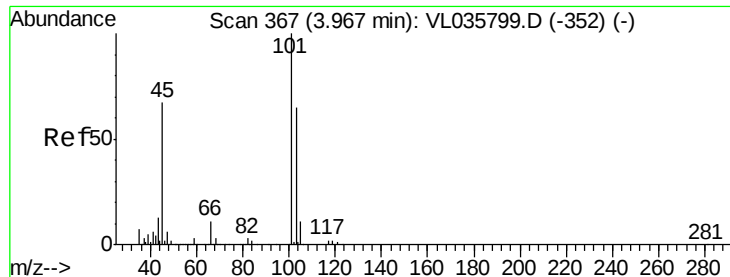


#18

1,1-Dichloroethene
 Concen: 10.042 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 96 Resp: 924911
 Ion Ratio Lower Upper
 96 100
 61 143.6 108.5 162.7
 98 64.2 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.764 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 45 Resp: 731079

Ion Ratio Lower Upper

45 100

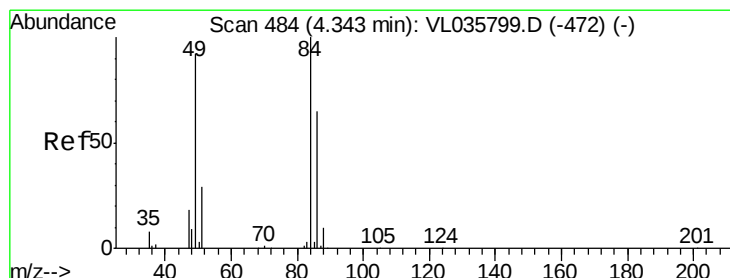
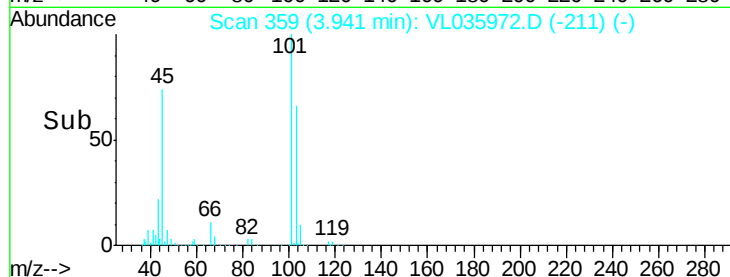
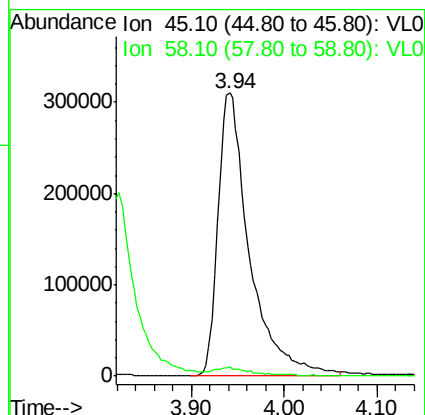
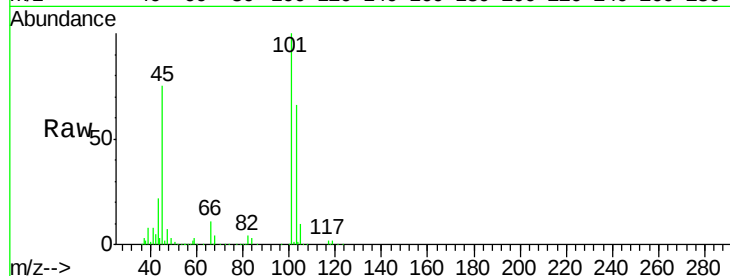
58 3.6 2.6 3.8

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#20

Methylene Chloride

Concen: 8.886 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion: 84 Resp: 762189

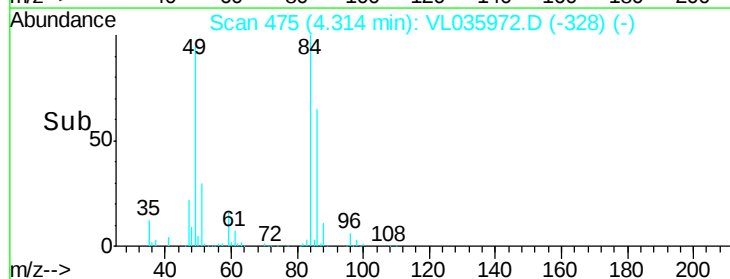
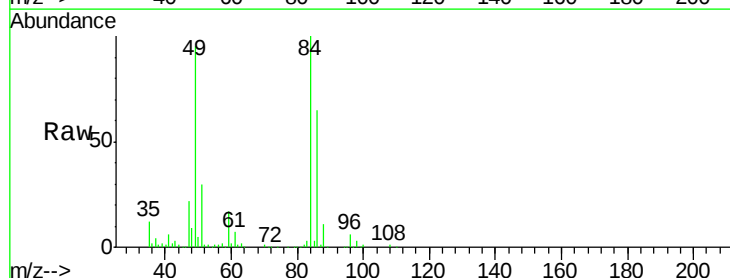
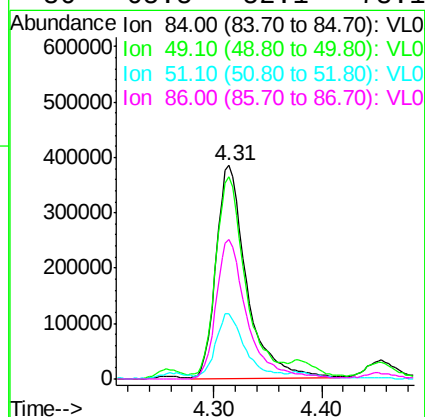
Ion Ratio Lower Upper

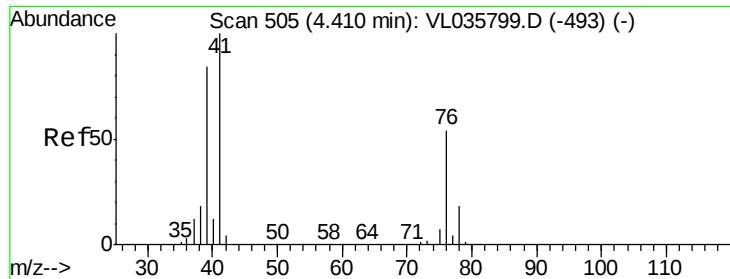
84 100

49 93.7 73.8 110.8

51 29.9 23.0 34.4

86 65.5 52.1 78.1





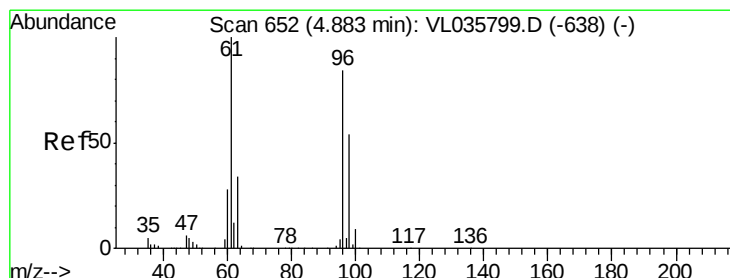
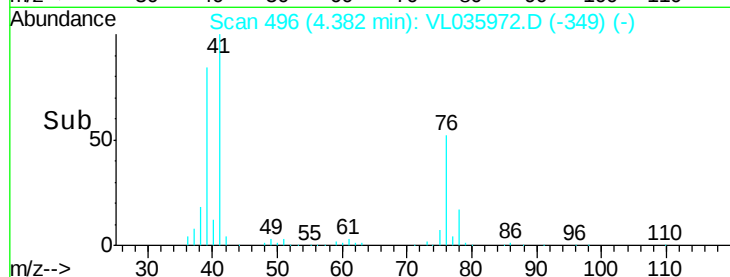
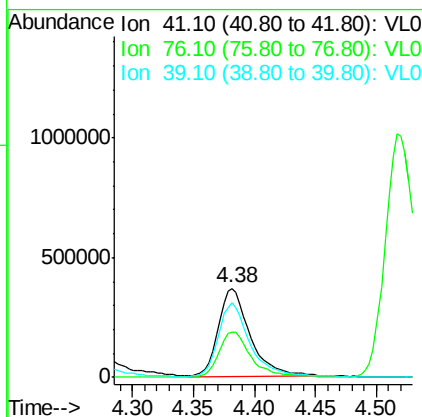
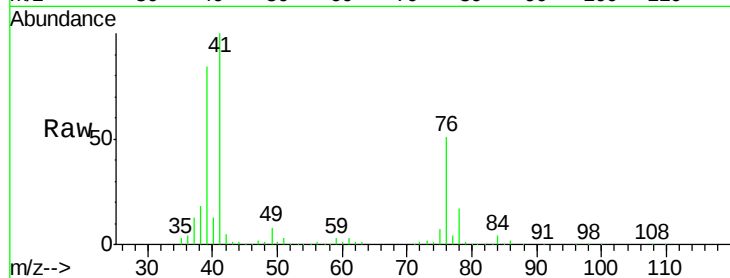
#21
Allvl Chloride
Concen: 10.341 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampled :
VL1118ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	52.8	42.6	63.8
39	84.1	67.0	100.4

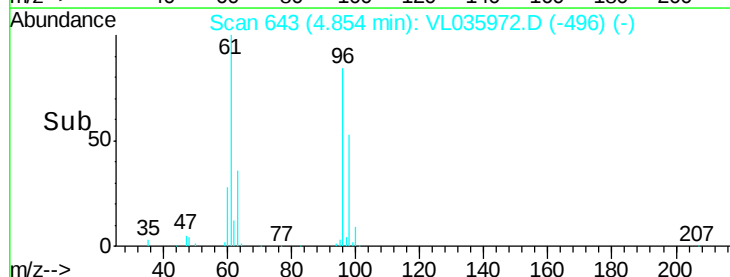
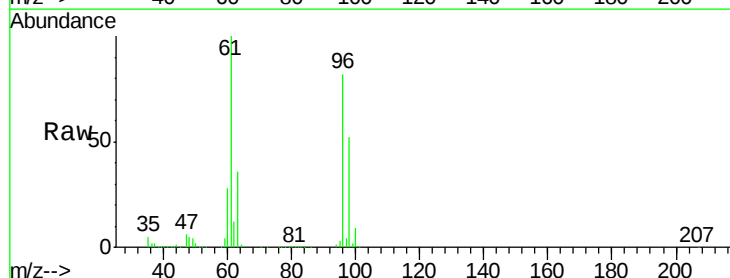
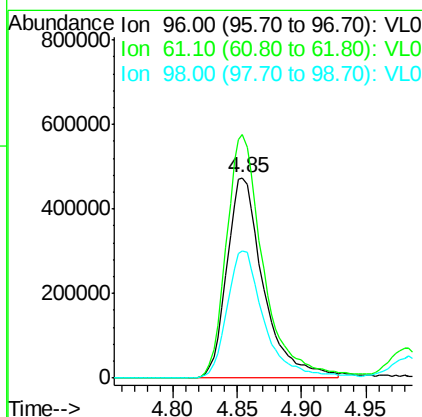
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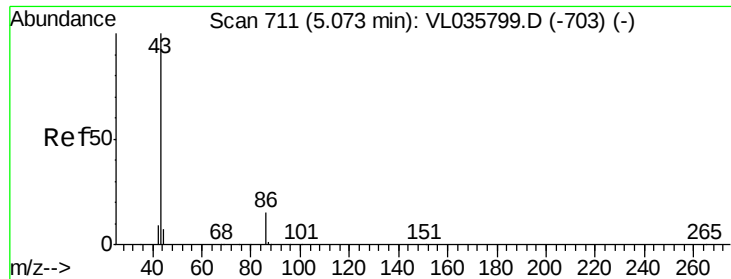
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#22
trans-1,2-Dichloroethene
Concen: 10.033 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.4	95.4	143.0
98	63.2	51.8	77.6





#23

Vinyl Acetate

Concen: 8.952 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 43 Resp: 1529003

Ion Ratio Lower Upper

43 100

86 12.1 9.8 14.6

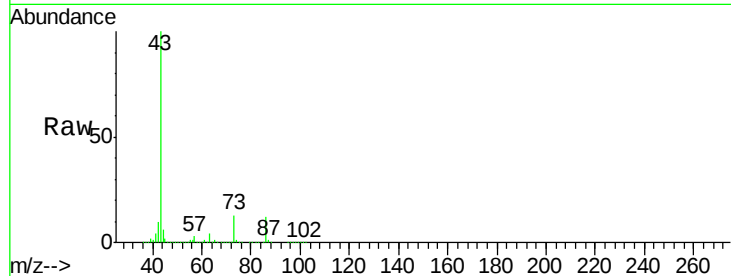
42 9.8 8.1 12.1

44 5.9 4.2 6.4

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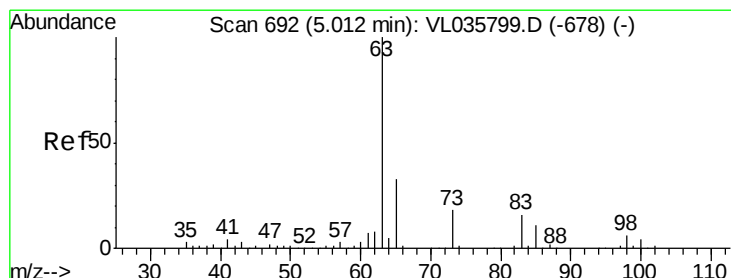
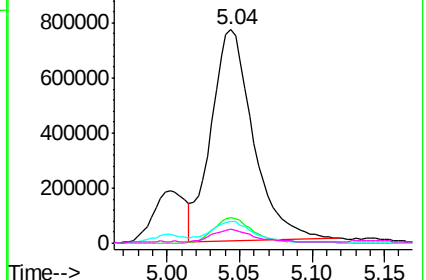
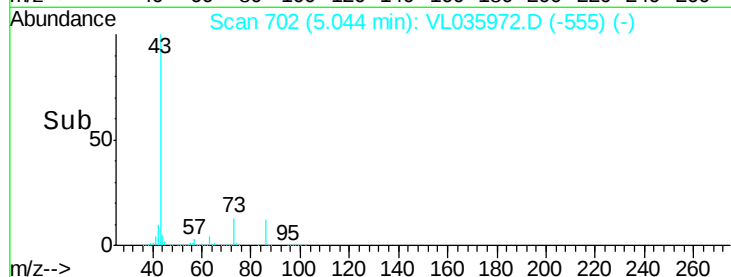


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.751 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

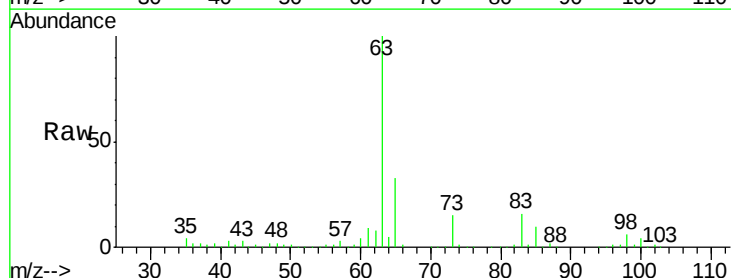
Tgt Ion: 63 Resp: 1586717

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

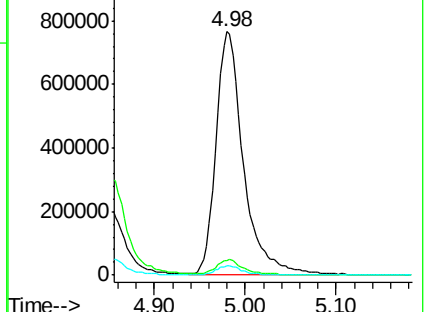
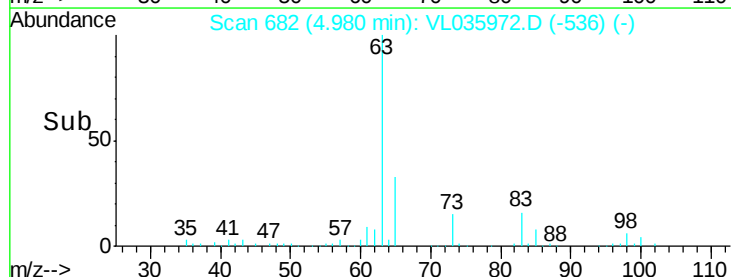
100 3.8 1.8 5.4



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: 10.037 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 43 Resp: 2409381

Ion Ratio Lower Upper

43 100

45 10.9 8.5 12.7

61 13.3 10.7 16.1

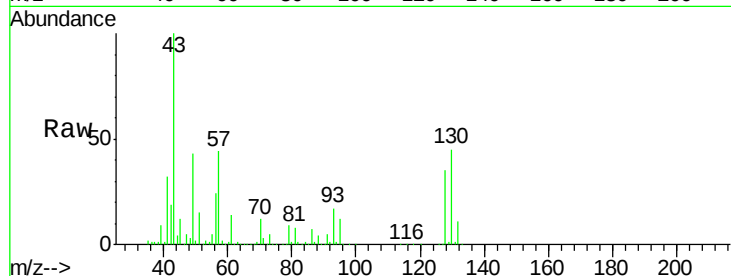
70 10.3 8.6 12.8

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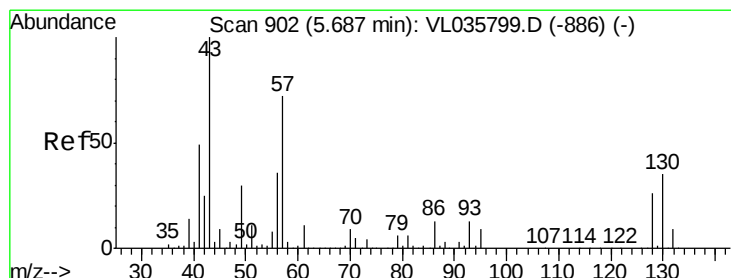
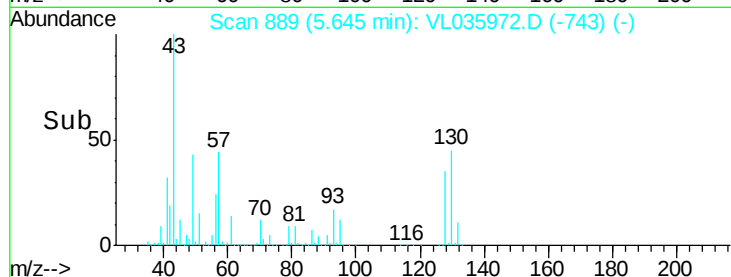
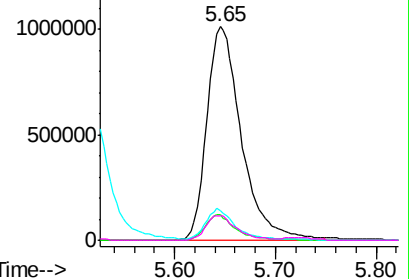
Abundance

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: 9.518 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion: 57 Resp: 1259964

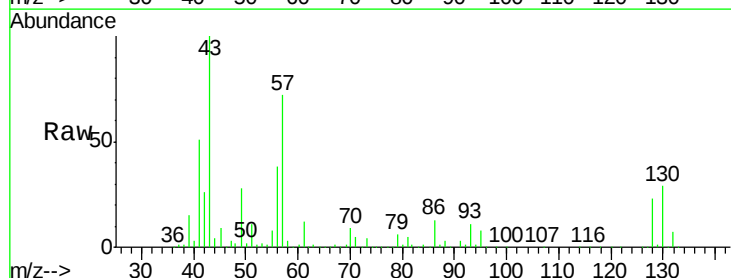
Ion Ratio Lower Upper

57 100

41 75.8 58.9 88.3

43 193.1 150.2 225.2

56 54.5 42.4 63.6



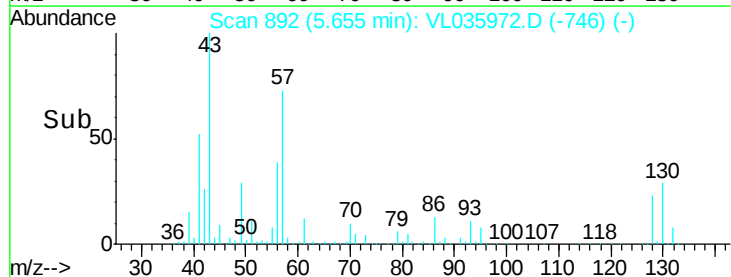
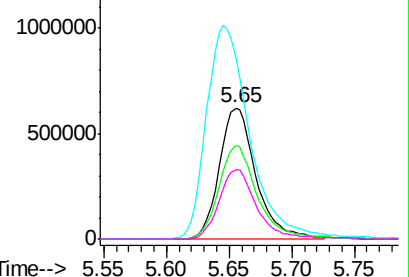
Abundance

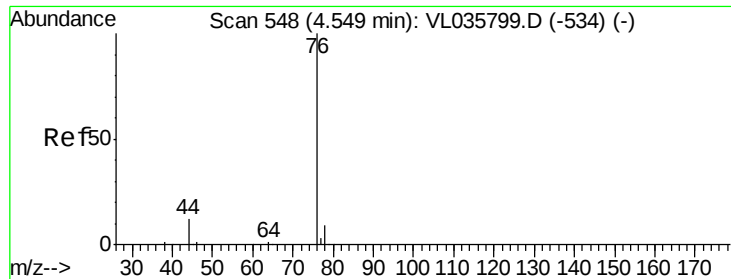
Ion 57.10 (56.80 to 57.80): VL0

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: 10.300 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 76 Resp: 2043055

Ion Ratio Lower Upper

76 100

44 12.1 9.9 14.9

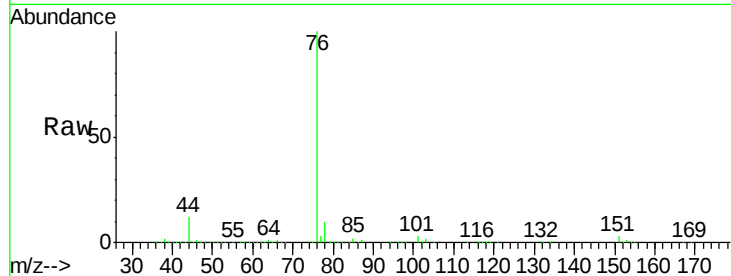
78 10.0 8.1 12.1

Manual Integrations

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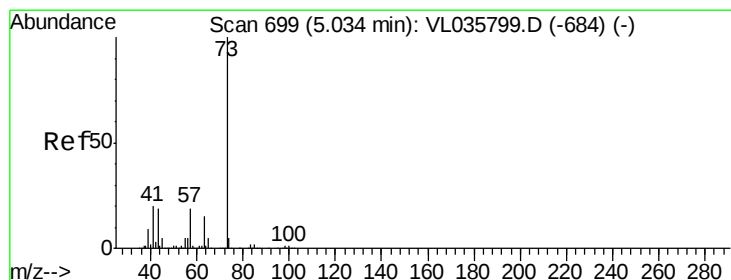
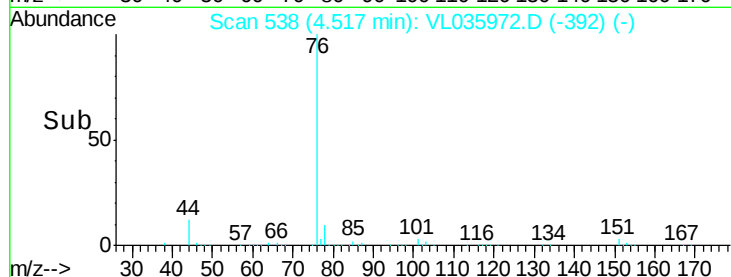
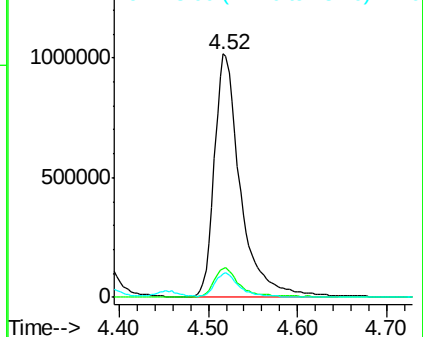
11/20/2020 12:27:18 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.925 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.03 min

Lab File: VL035972.D

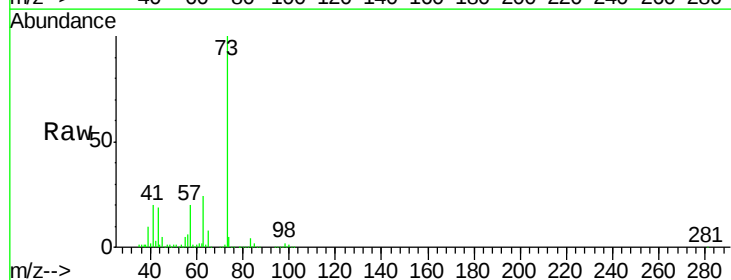
Acq: 18 Nov 2020 12:48

Tgt Ion: 73 Resp: 2121724

Ion Ratio Lower Upper

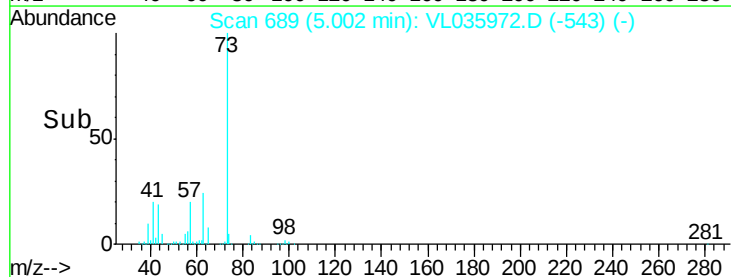
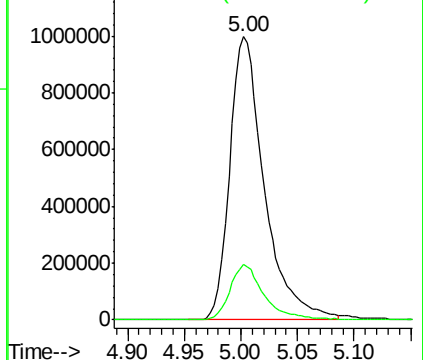
73 100

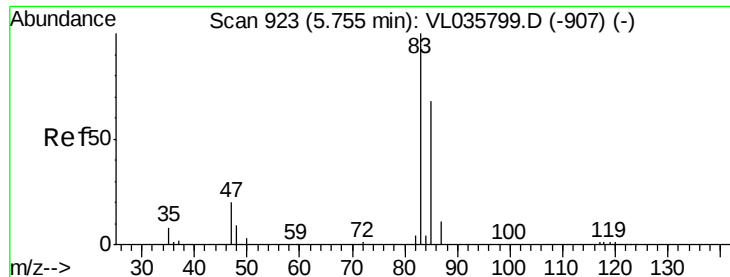
57 19.4 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





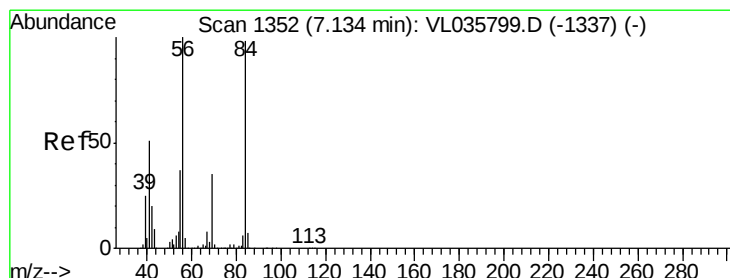
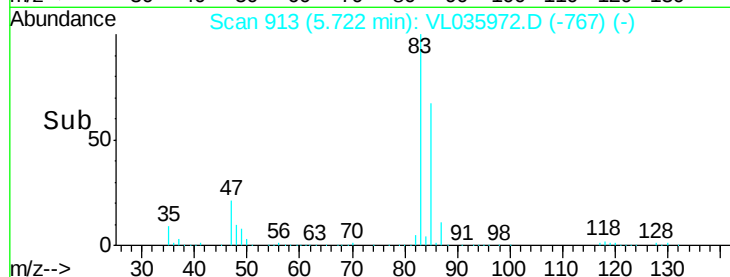
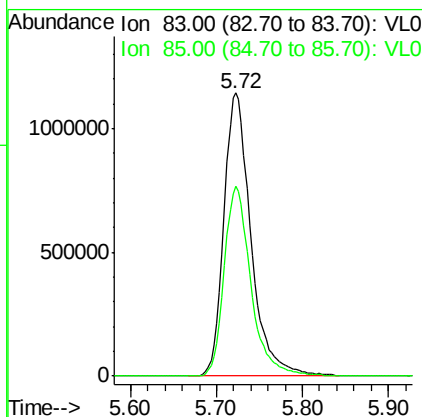
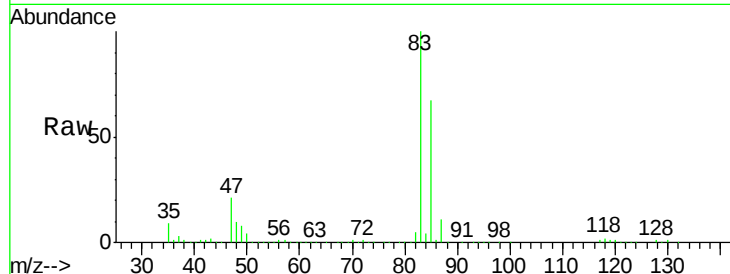
#29
Chloroform
Concen: 9.617 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 83 Resp: 2502187
Ion Ratio Lower Upper
83 100
85 66.7 54.6 81.8

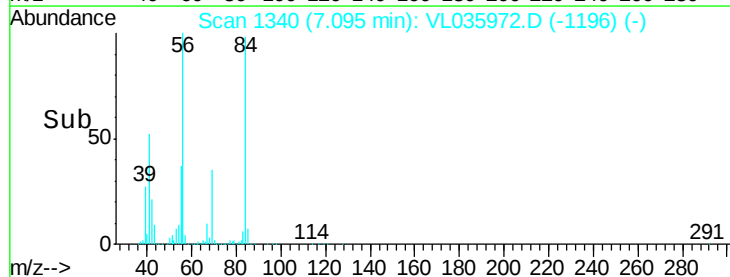
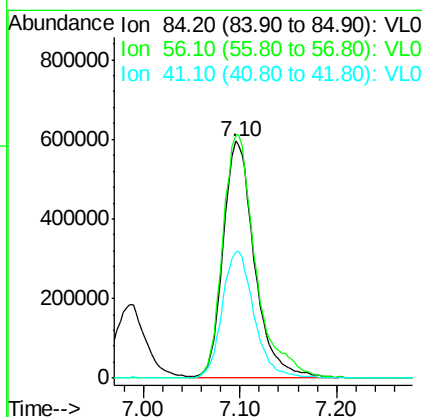
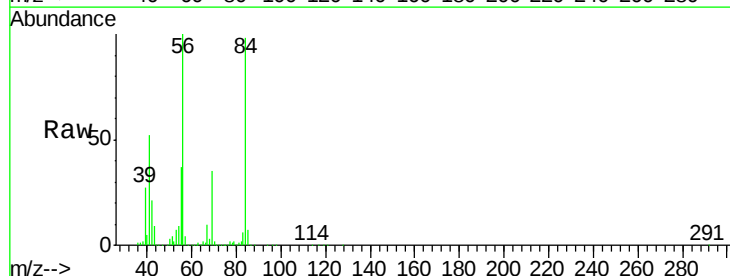
Manual Integrations
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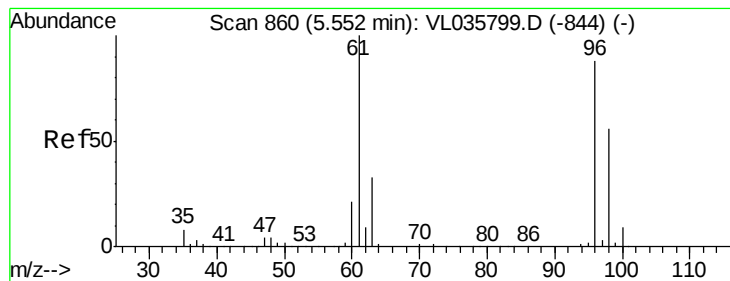
MMDadoda
11/20/2020 12:27:18 PM



#30
Cyclohexane
Concen: 9.239 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 84 Resp: 1332011
Ion Ratio Lower Upper
84 100
56 109.4 86.4 129.6
41 55.2 42.1 63.1





#31

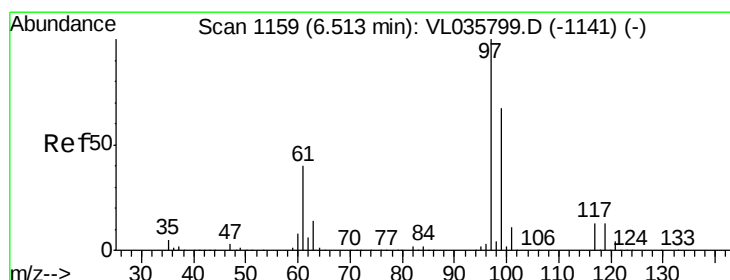
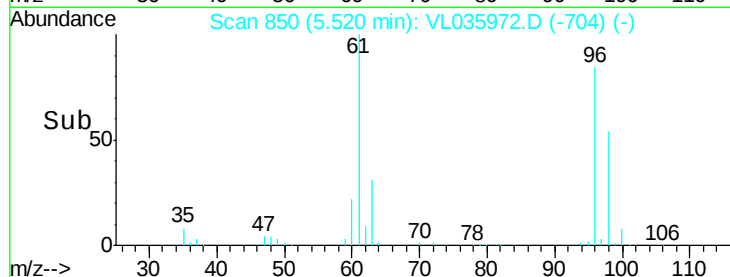
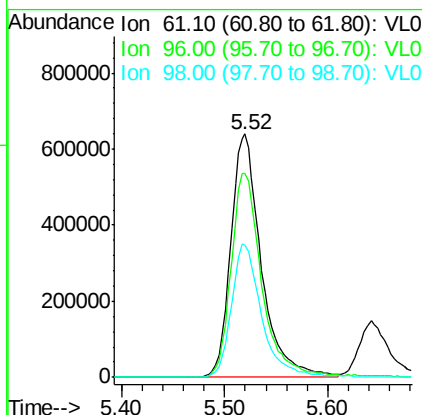
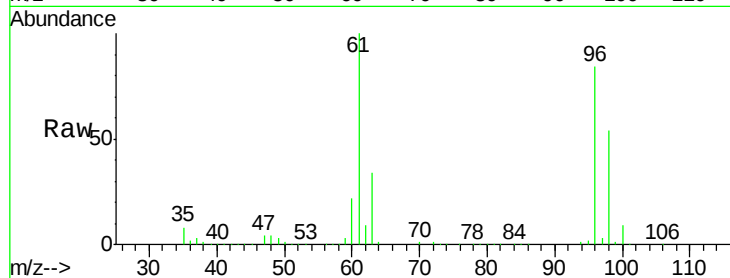
cis-1,2-Dichloroethene
Concen: 9.666 ppbv
RT: 5.52 min Scan# 850
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	83.5	70.3	105.5
98	54.1	45.0	67.6

Manual Integrations
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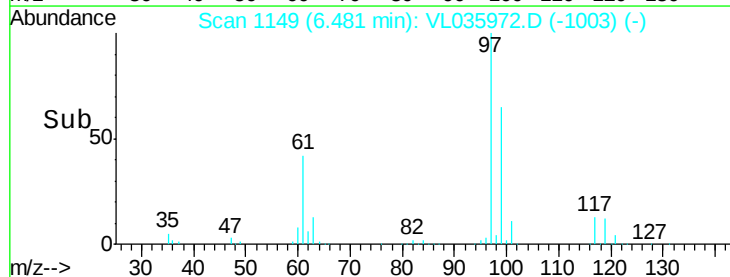
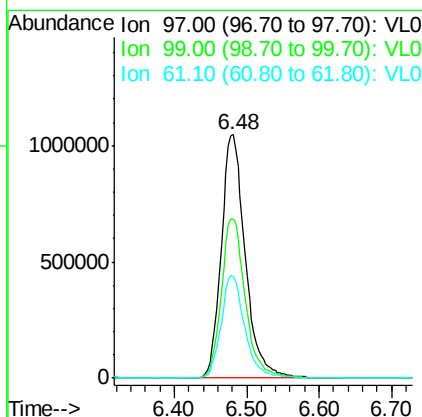
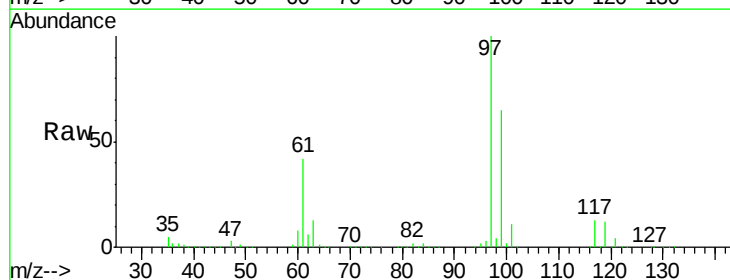
MMDadoda
11/20/2020 12:27:18 PM

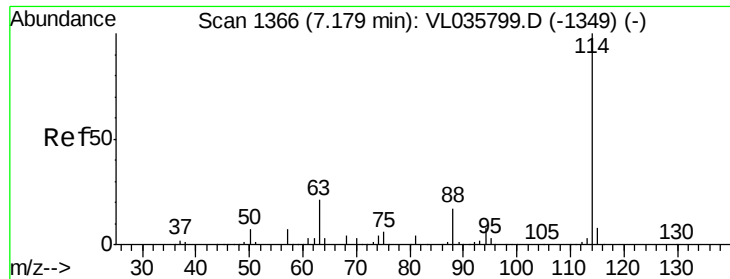


#32

1,1,1-Trichloroethane
Concen: 8.859 ppbv
RT: 6.48 min Scan# 1149
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	41.7	32.0	48.0





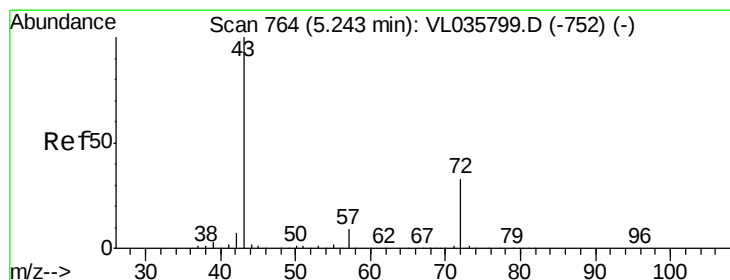
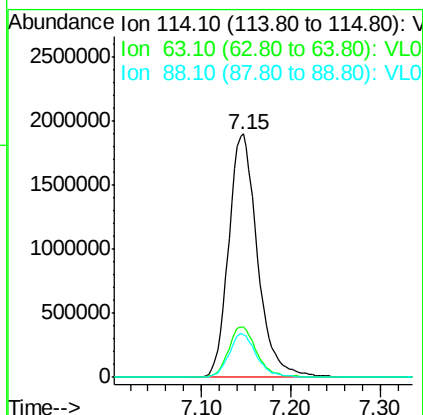
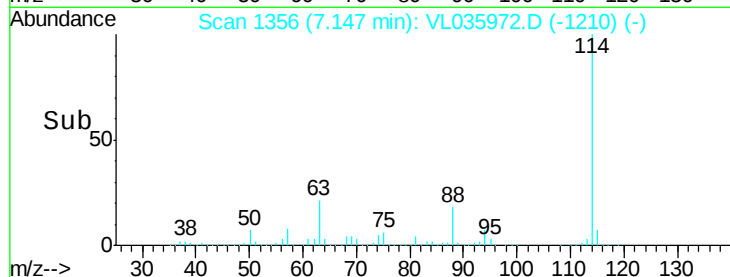
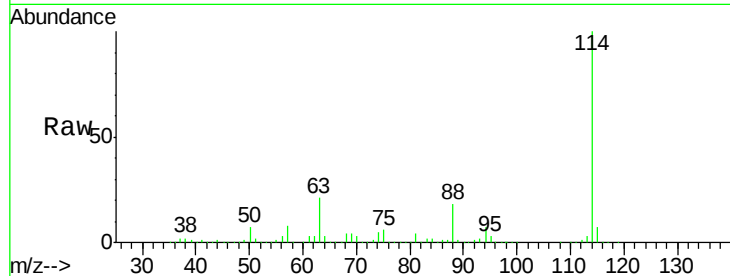
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion:114 Resp: 4243636
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.1 24.1
 88 17.3 13.7 20.5

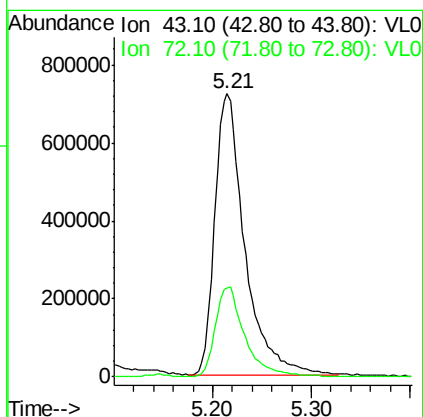
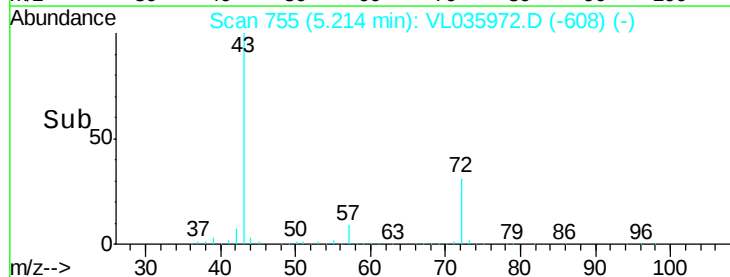
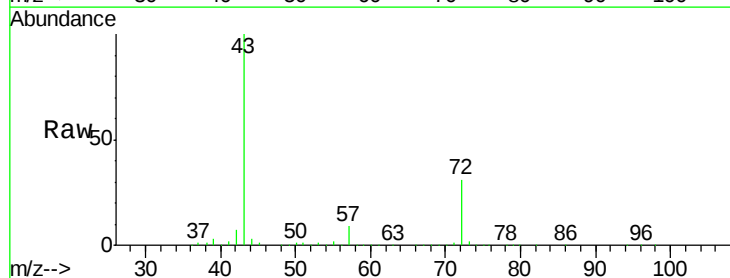
Manual Integrations
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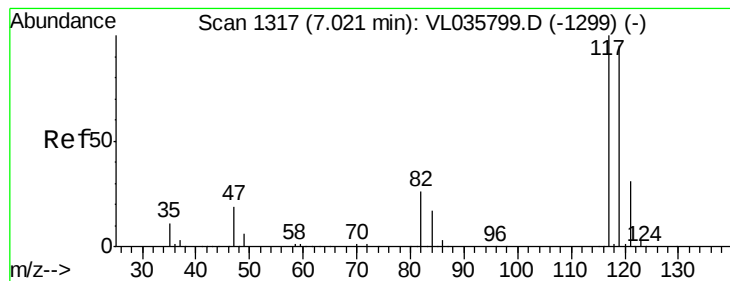
MMDadoda
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#34
 2-Butanone
 Concen: 11.074 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 43 Resp: 1525162
 Ion Ratio Lower Upper
 43 100
 72 32.1 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.560 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion:117 Resp: 2394442

Ion Ratio Lower Upper

117 100

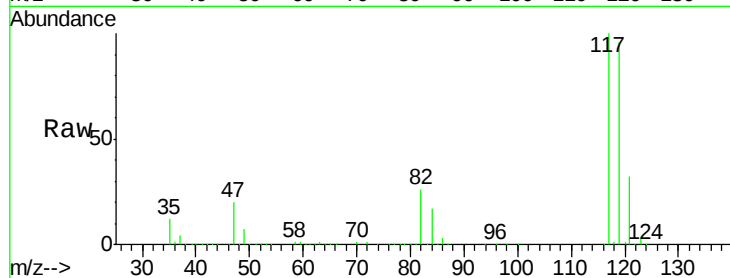
119 95.7 75.6 113.4

121 32.1 25.1 37.7

Manual Integrations
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MMDadoda

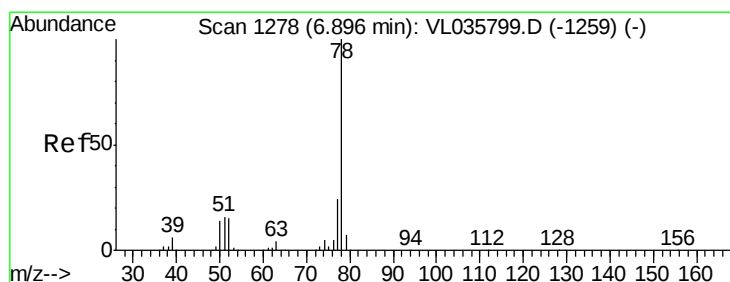
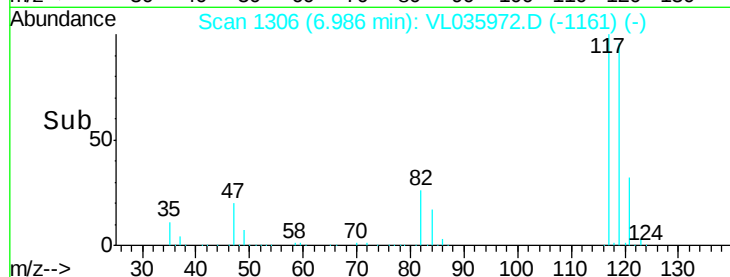
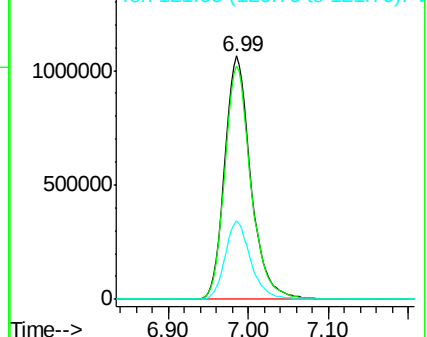
11/20/2020 12:27:18 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.951 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

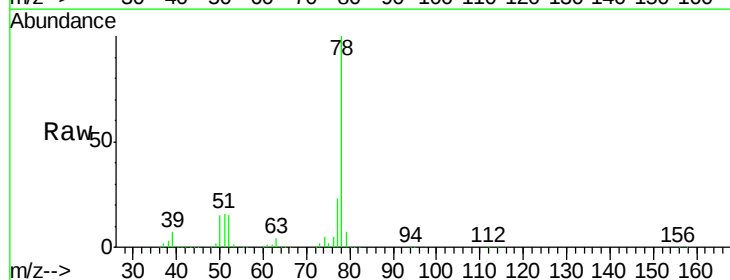
Tgt Ion: 78 Resp: 3139361

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

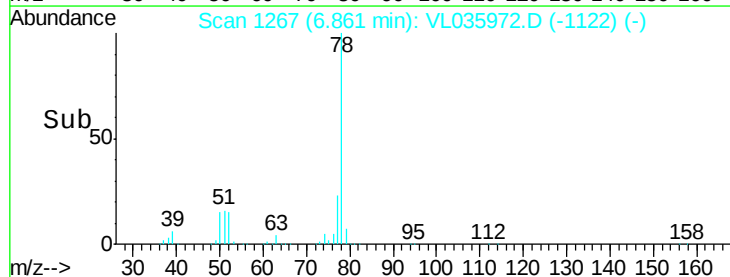
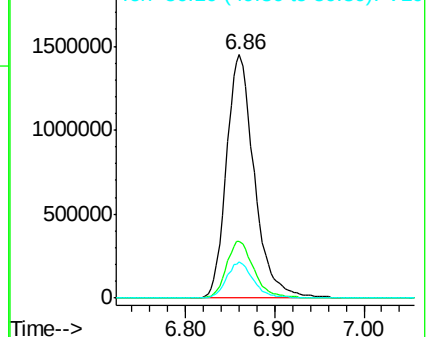
50 14.8 11.4 17.2

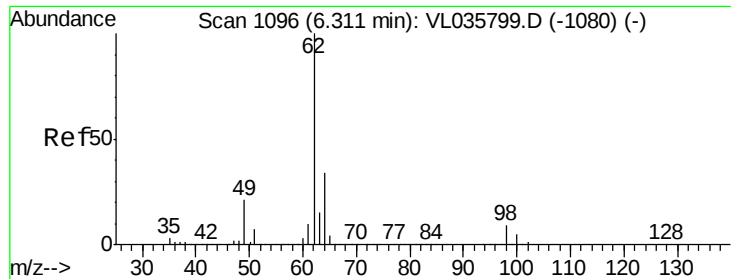


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





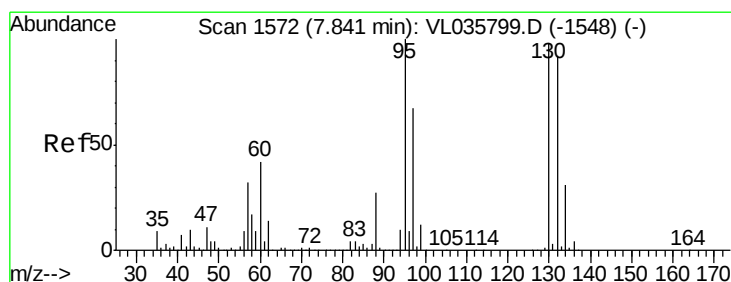
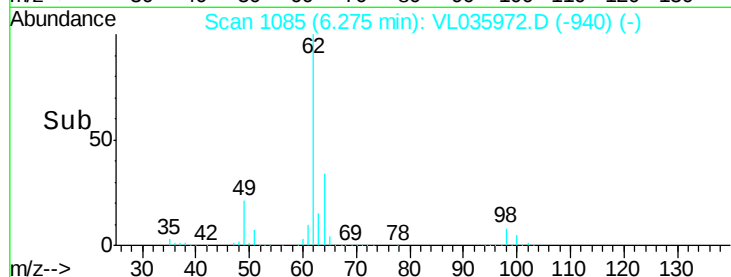
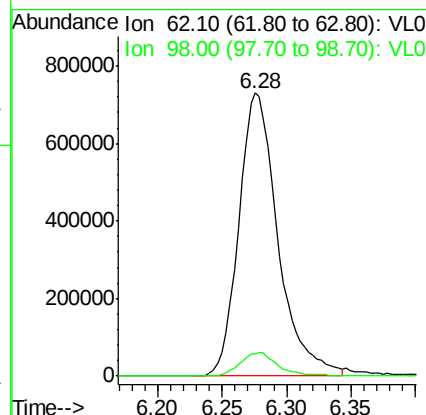
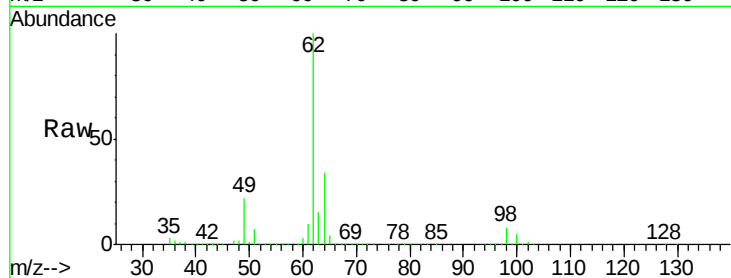
#37
 1,2-Dichloroethane
 Concen: 10.772 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 62 Resp: 1539622
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.9 10.3

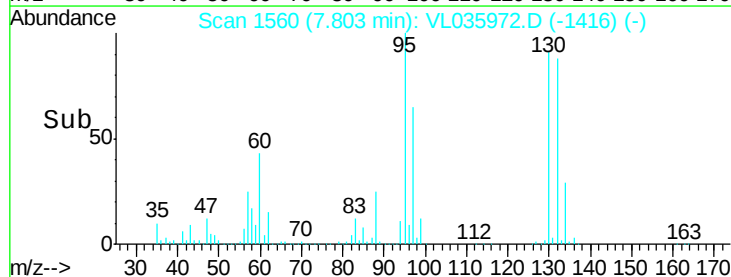
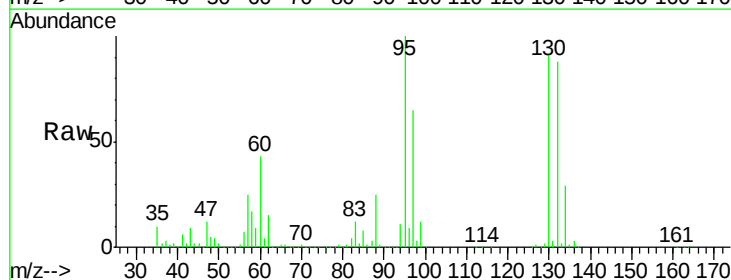
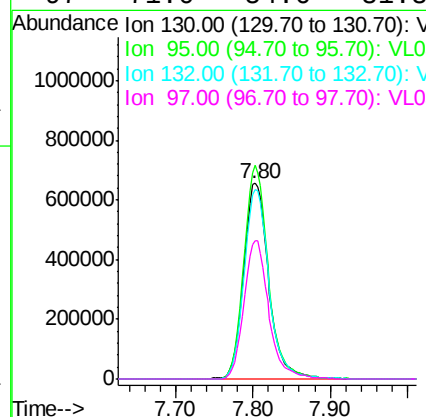
Manual Integrations
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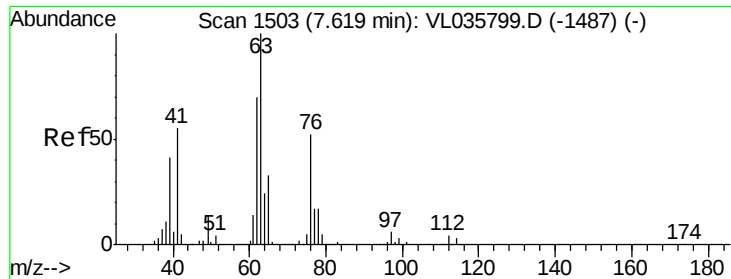
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#38
 Trichloroethene
 Concen: 9.521 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 130 Resp: 1467164
 Ion Ratio Lower Upper
 130 100
 95 109.3 81.6 122.4
 132 96.7 75.1 112.7
 97 71.0 54.6 81.8





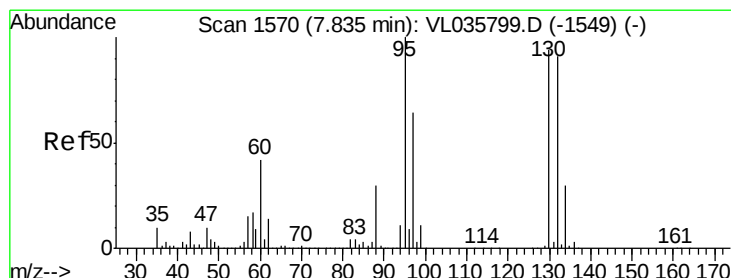
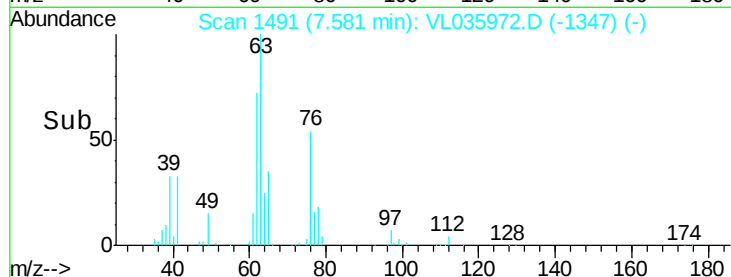
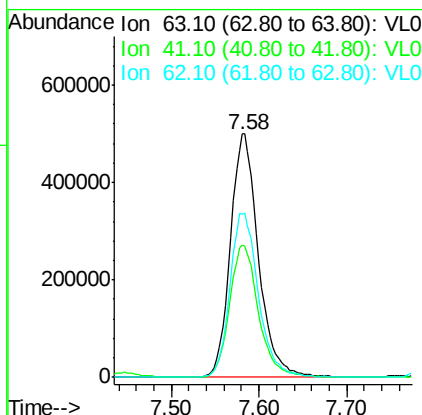
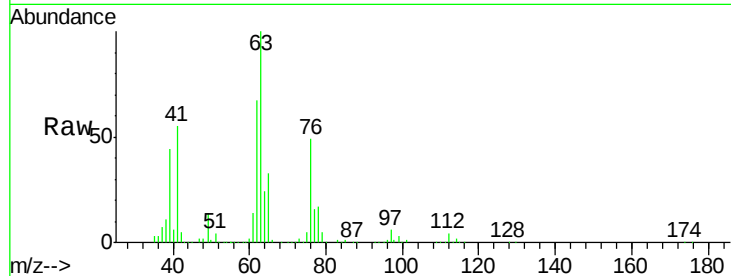
#39
 1,2-Dichloropropane
 Concen: 10.473 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	54.4	43.8	65.6
62	67.0	56.2	84.2

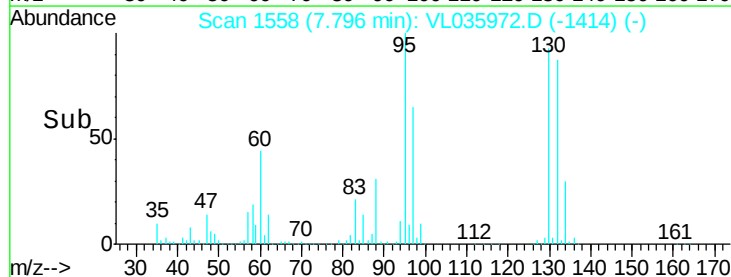
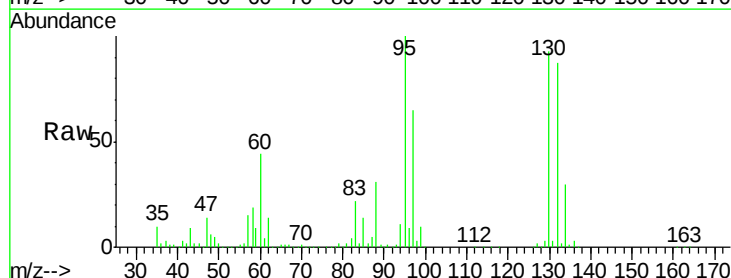
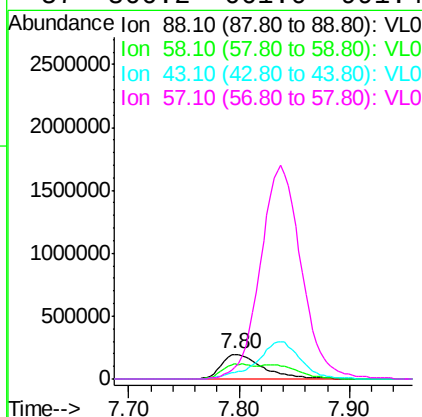
Manual Integrations
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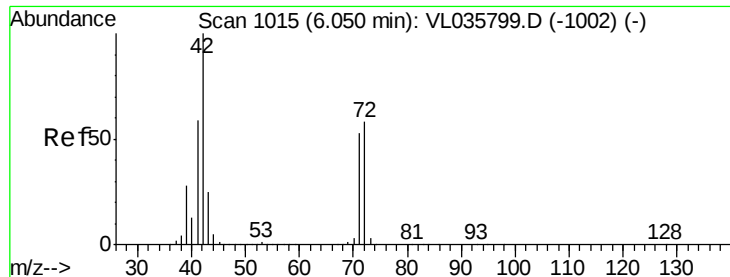
MMDadoda
 11/20/2020 12:27:18 PM



#40
 1,4-Dioxane
 Concen: 10.052 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	101.3	76.2	114.2
43	162.8	123.1	184.7
57	866.2	661.0	991.4





#41

Tetrahydrofuran

Concen: 11.289 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

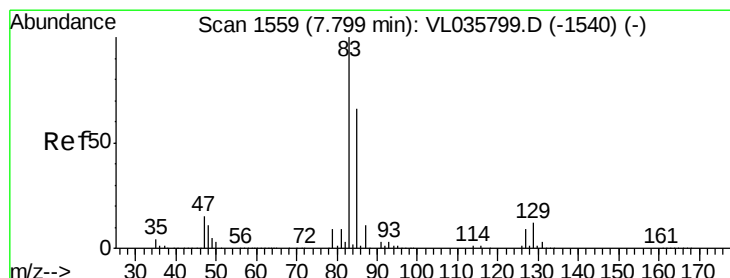
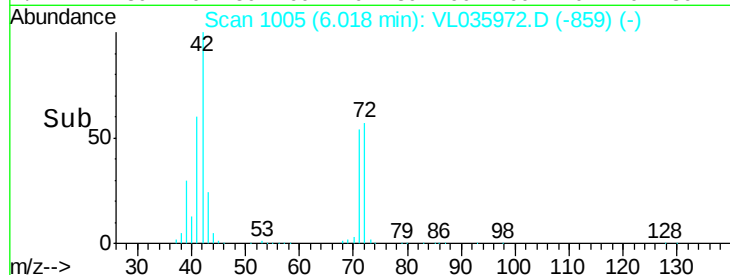
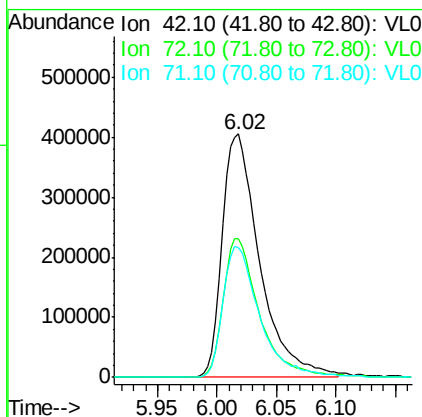
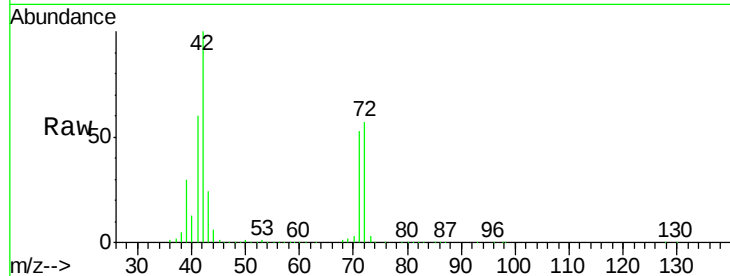
ClientSampleId :

VL1118ABS01

Tot Ion:	42	Resp:	883287
Ion Ratio	Lower	Upper	
42	100		
72	55.5	45.4	68.0
71	53.4	43.4	65.2

Manual Integrations
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MMDadoda
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#42

Bromodichloromethane

Concen: 10.712 ppbv

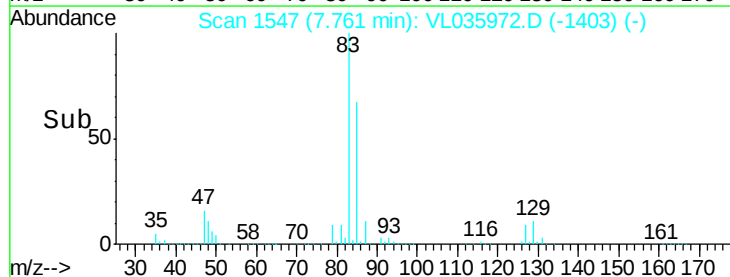
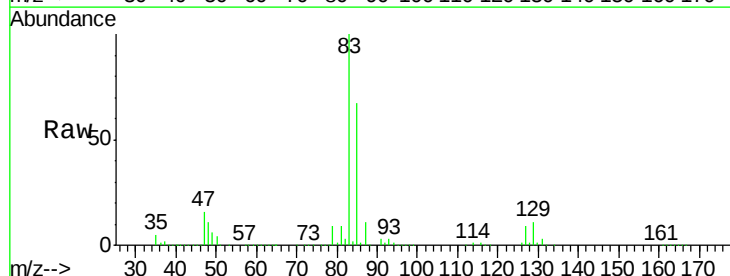
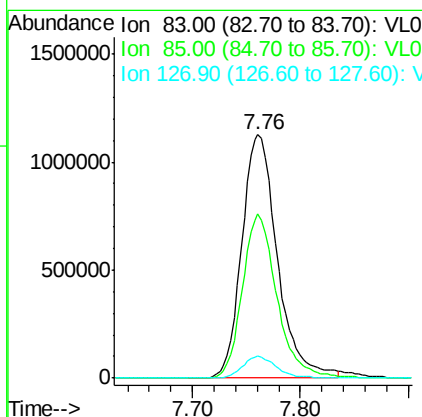
RT: 7.76 min Scan# 1547

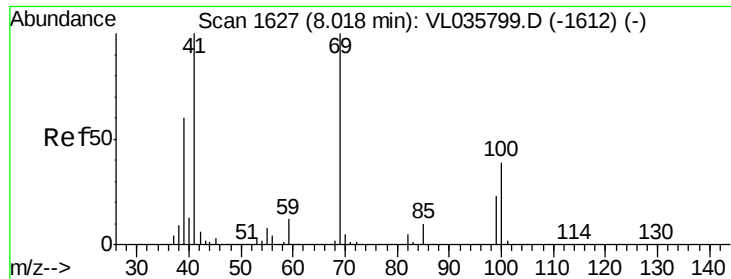
Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion:	83	Resp:	2583299
Ion Ratio	Lower	Upper	
83	100		
85	67.5	53.1	79.7
127	9.2	7.3	10.9





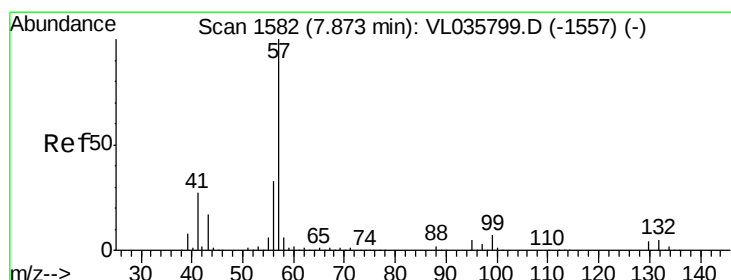
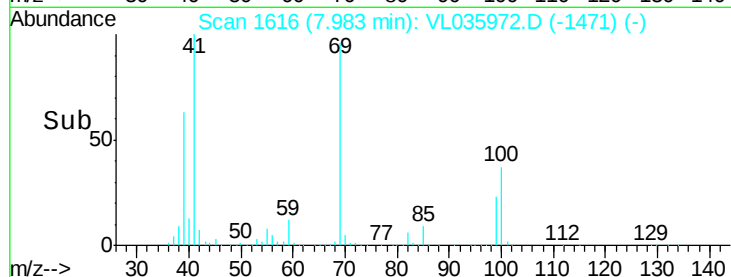
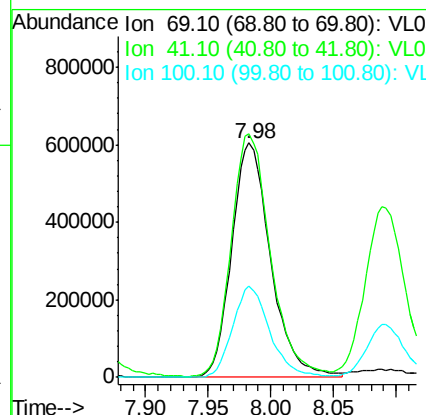
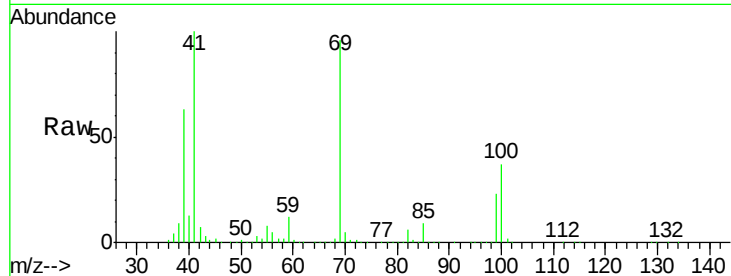
#43
Methvl Methacrylate
Concen: 10.808 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 69 Resp: 1300552
Ion Ratio Lower Upper
69 100
41 104.9 81.1 121.7
100 37.2 31.0 46.4

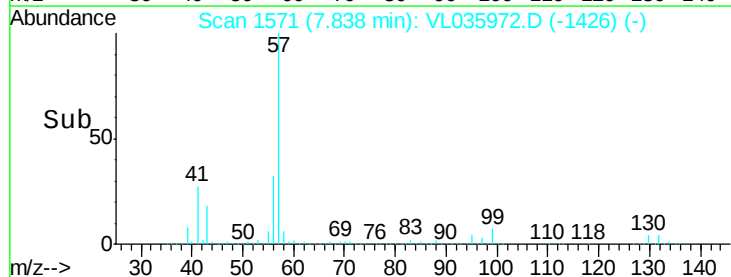
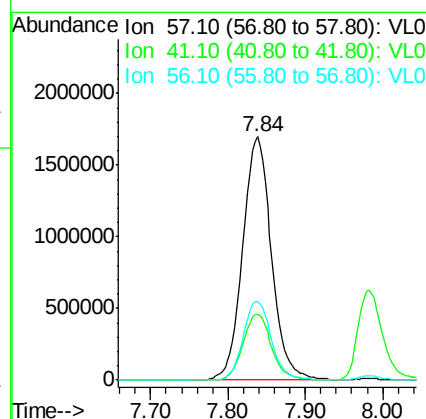
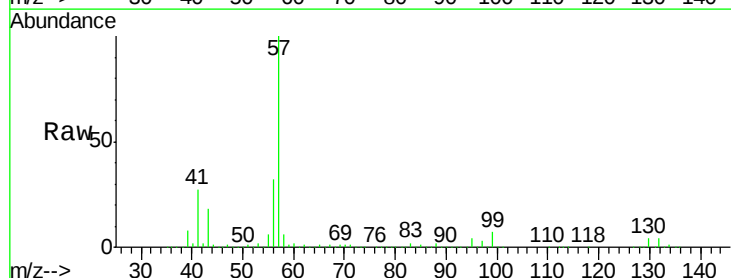
Manual Integrations
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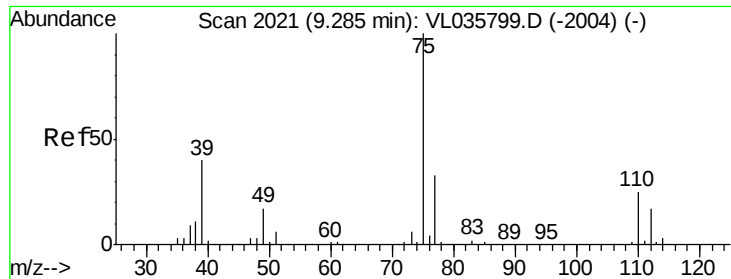
MMDadoda
11/20/2020 12:27:18 PM



#44
2,2,4-Trimethylpentane
Concen: 10.499 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 57 Resp: 4383210
Ion Ratio Lower Upper
57 100
41 26.8 21.0 31.4
56 31.8 25.4 38.0





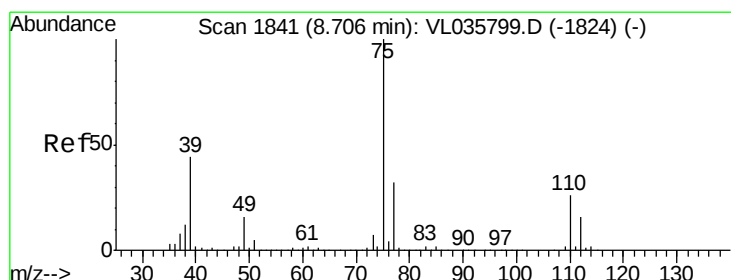
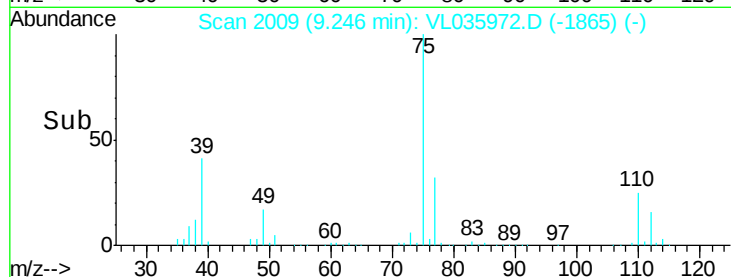
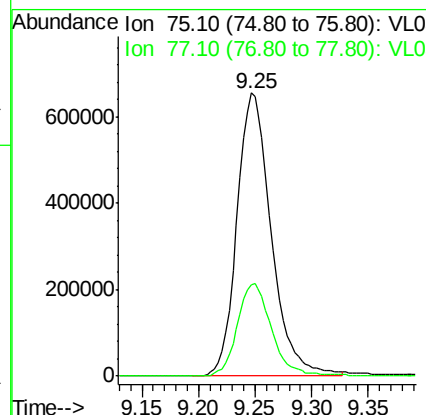
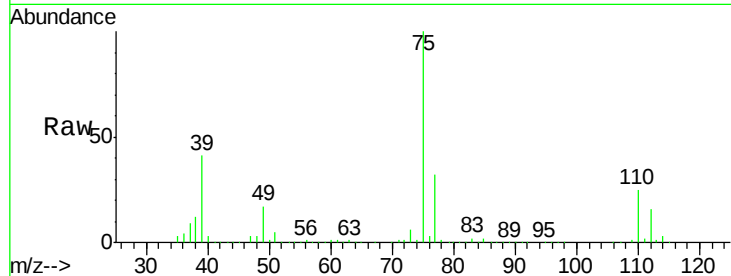
#45
t-1,3-Dichloropropene
Concen: 10.849 ppbv
RT: 9.25 min Scan# 2009
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 75 Resp: 1383978
Ion Ratio Lower Upper
75 100
77 32.4 26.4 39.6

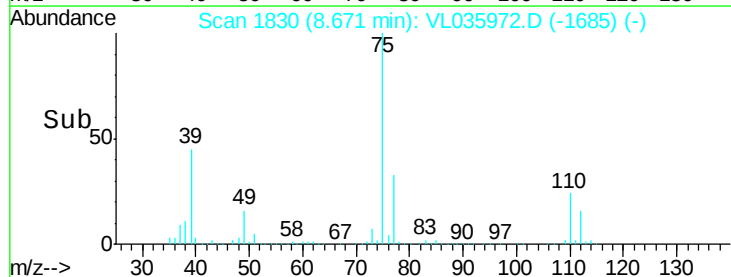
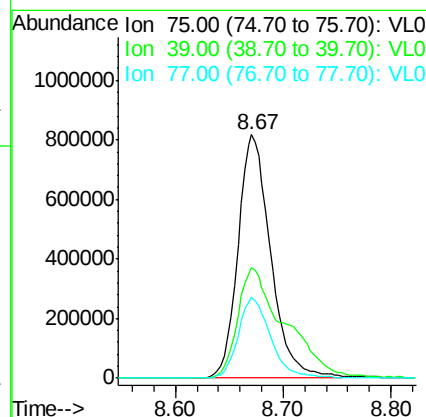
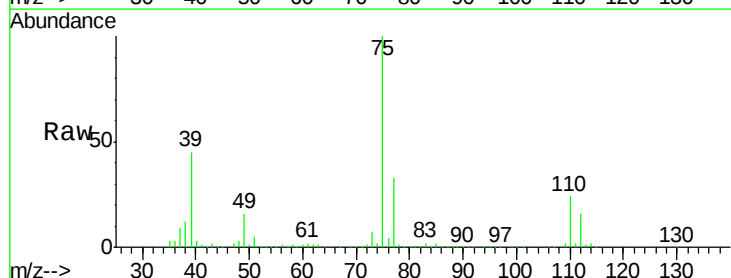
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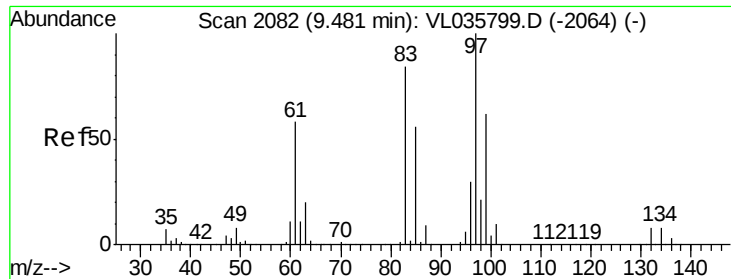
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.633 ppbv
RT: 8.67 min Scan# 1830
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 75 Resp: 1717806
Ion Ratio Lower Upper
75 100
39 45.3 35.1 52.7
77 33.0 25.7 38.5





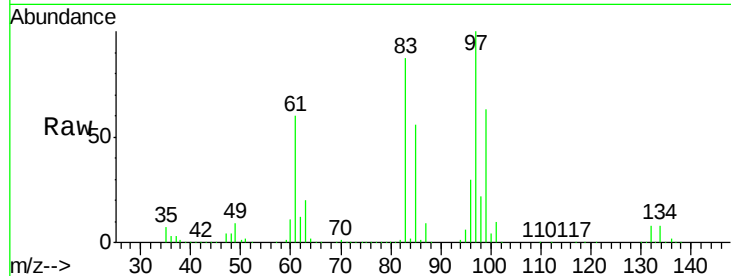
#47
 1,1,2-Trichloroethane
 Concen: 10.241 ppbv
 RT: 9.44 min Scan# 2070
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.1	100.7
85	56.3	44.7	67.1
99	62.7	49.7	74.5

Manual Integrations
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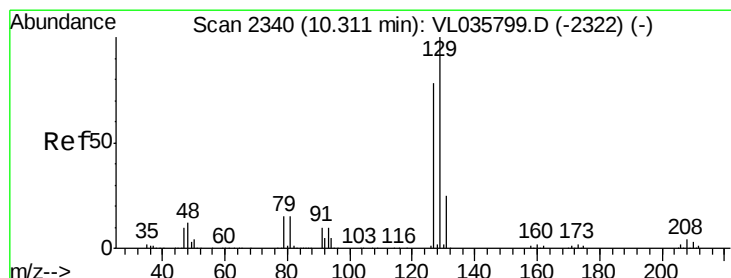
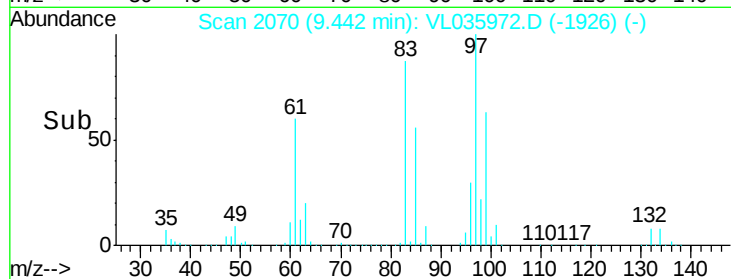
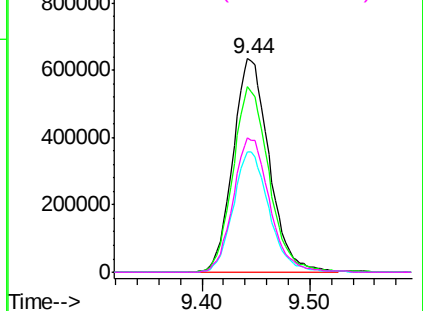
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

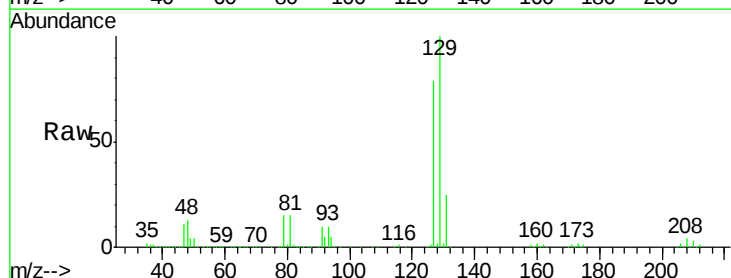
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.856 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

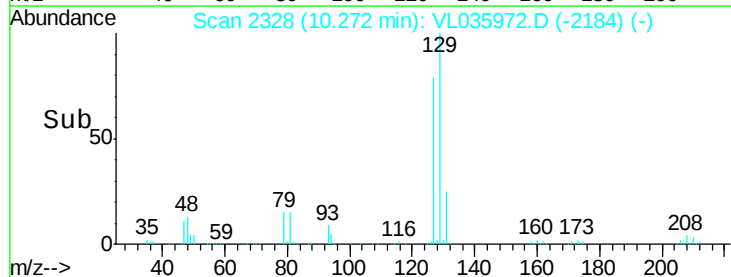
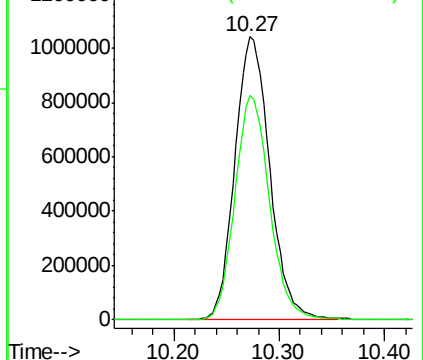
Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6

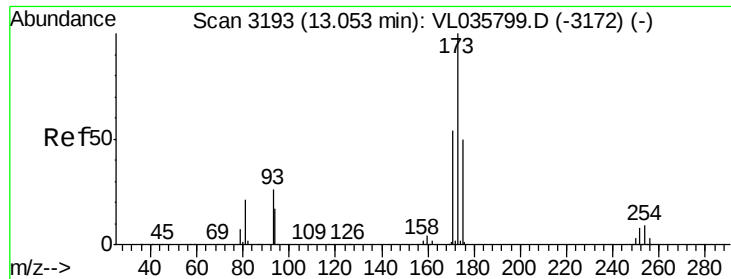


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





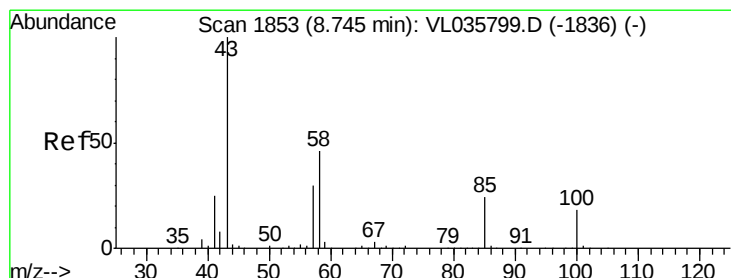
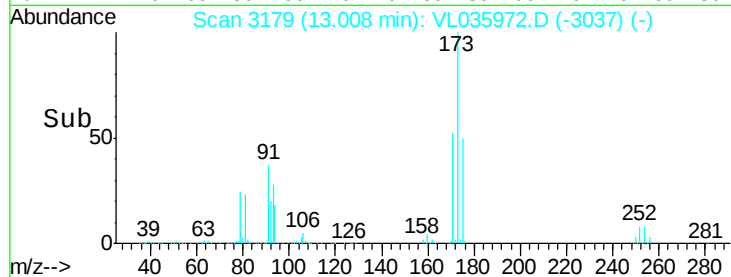
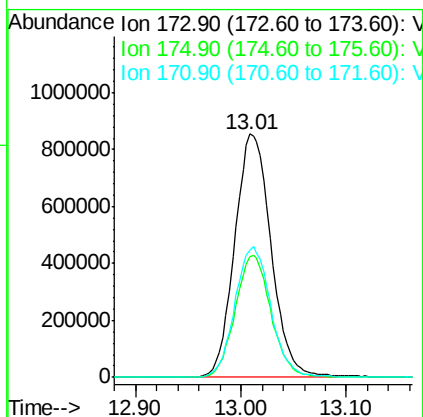
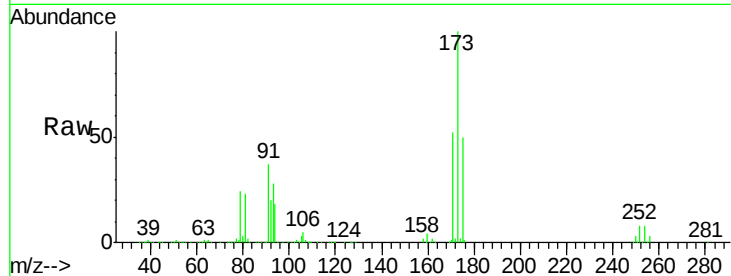
#49
Bromoform
Concen: 10.987 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.1	60.1
171	53.4	42.6	63.8

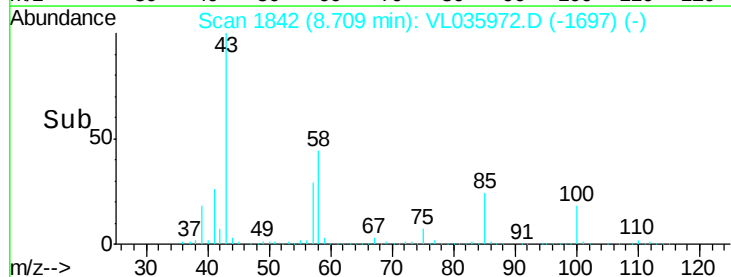
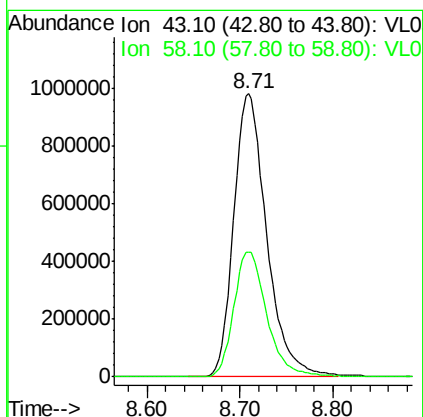
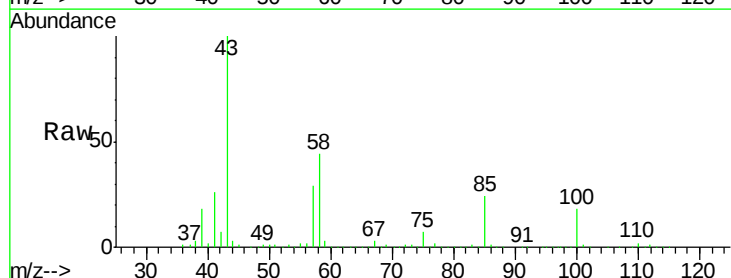
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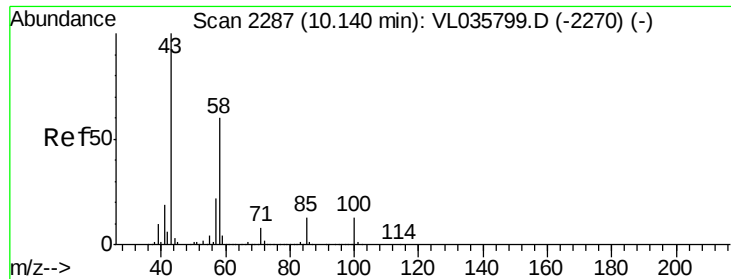
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11/20/2020 12:27:18 PM



#50
4-Methyl-2-Pentanone
Concen: 11.501 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.2	36.0	54.0





#51

2-Hexanone

Concen: 11.879 ppbv

RT: 10.10 min Scan# 2276

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 43 Resp: 2009656

Ion Ratio Lower Upper

43 100

58 58.9 48.3 72.5

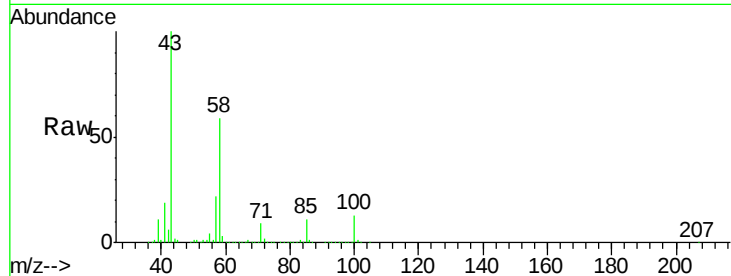
98 0.9 0.6 0.8#

Manual Integrations

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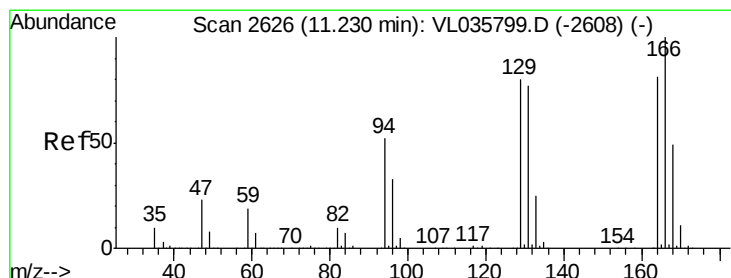
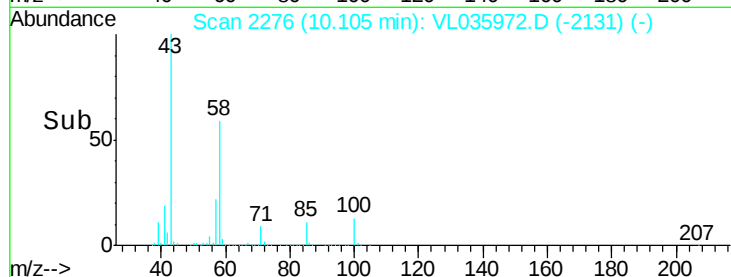
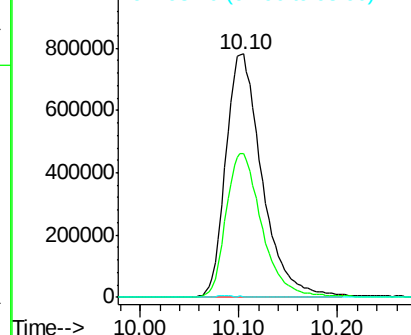


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.976 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion:164 Resp: 1341609

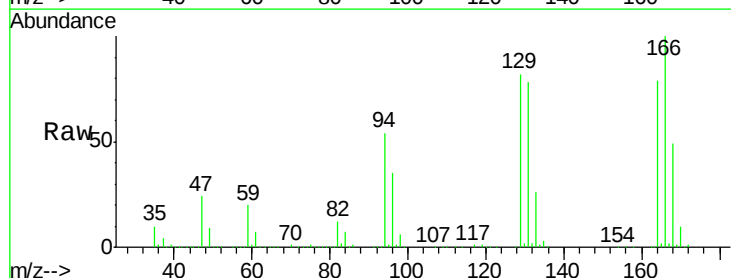
Ion Ratio Lower Upper

164 100

166 127.3 99.3 148.9

129 104.9 79.3 118.9

131 99.7 76.5 114.7



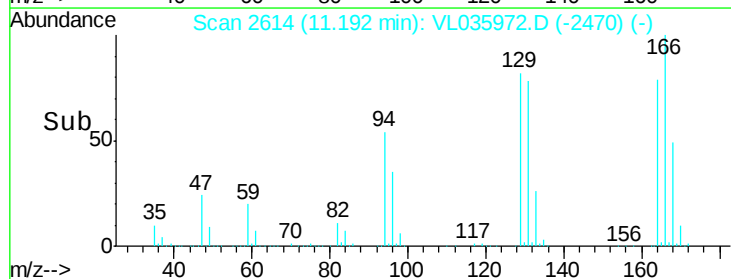
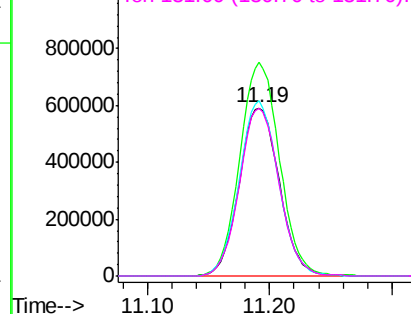
Abundance

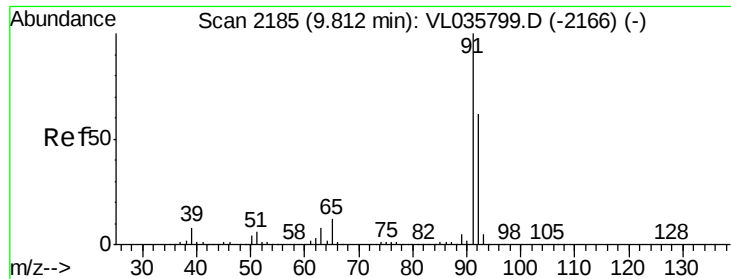
Ion 163.90 (163.60 to 164.60): V

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





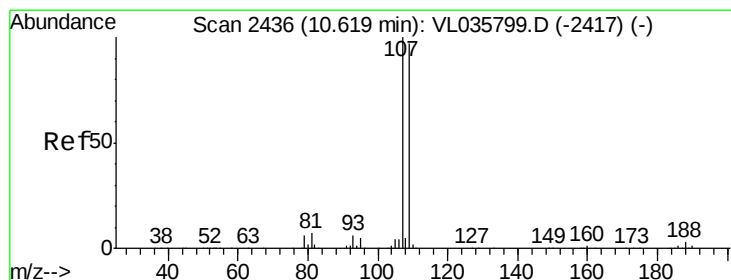
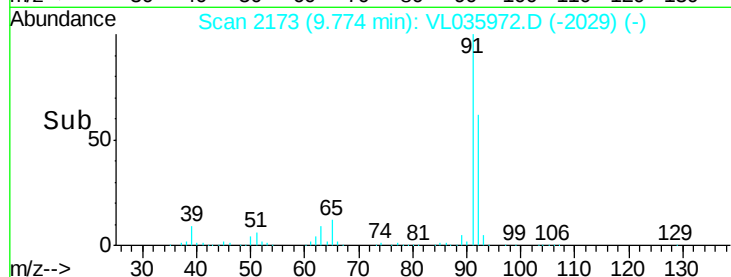
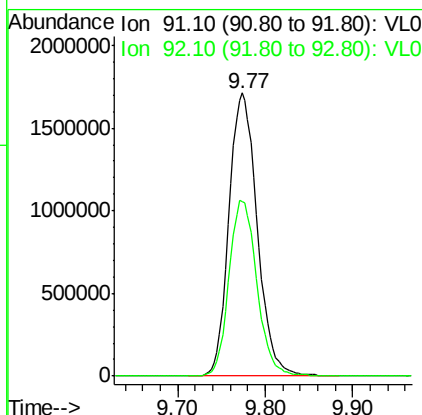
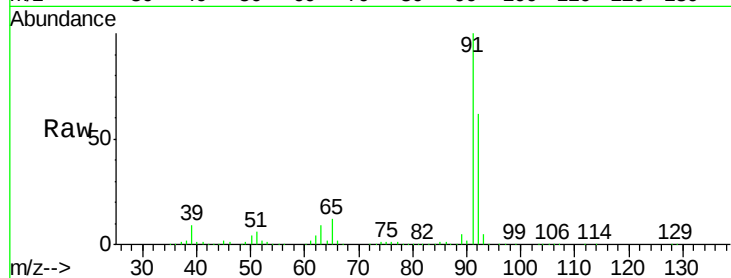
#53
Toluene
Concen: 10.099 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 91 Resp: 3844490
Ion Ratio Lower Upper
91 100
92 61.5 49.8 74.6

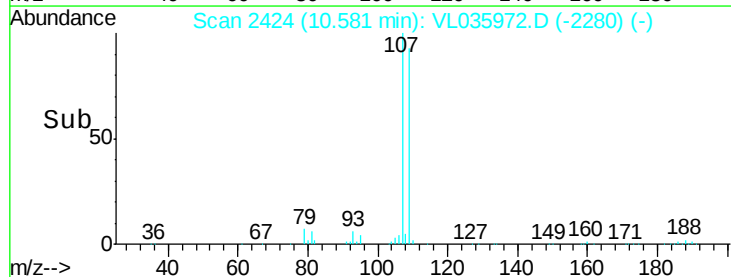
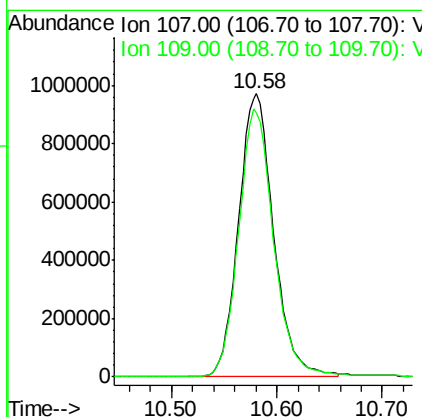
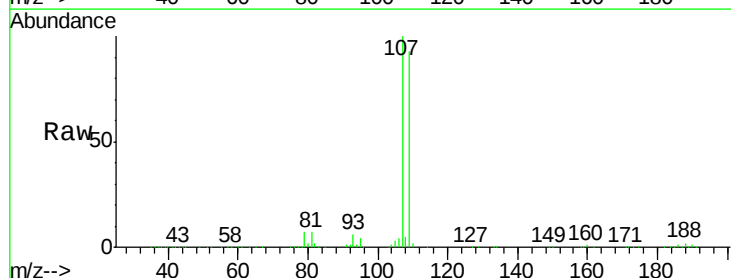
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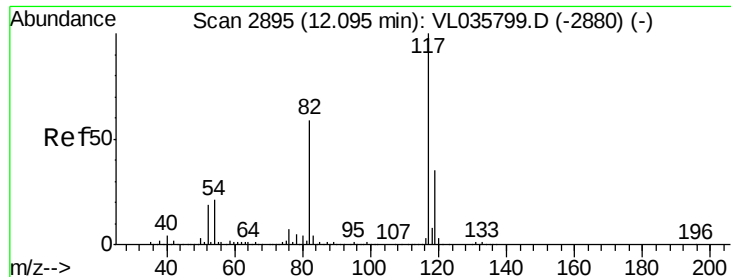
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#54
1,2-Dibromoethane
Concen: 10.199 ppbv
RT: 10.58 min Scan# 2424
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 107 Resp: 2244813
Ion Ratio Lower Upper
107 100
109 93.4 77.2 115.8





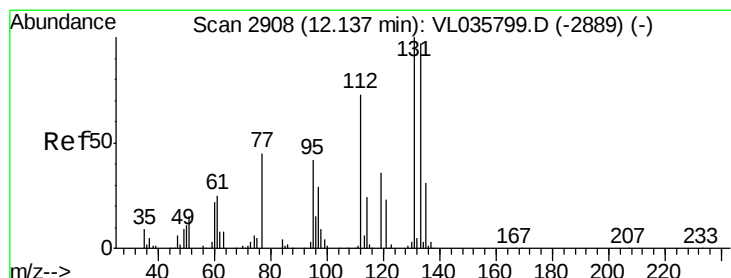
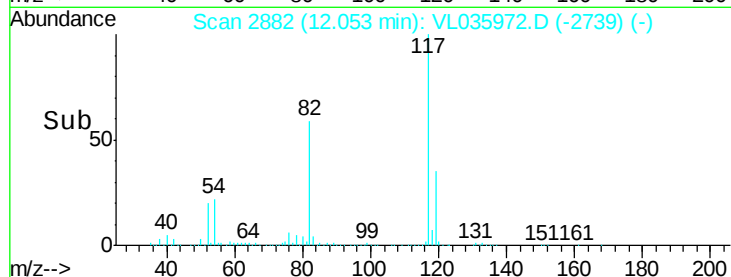
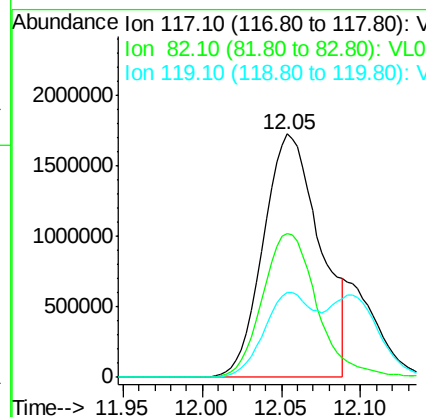
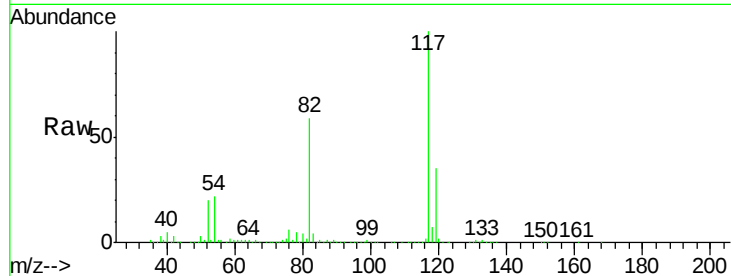
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion:117 Resp: 4312606
Ion Ratio Lower Upper
117 100
82 57.6 50.6 76.0
119 29.6 52.6 78.8#

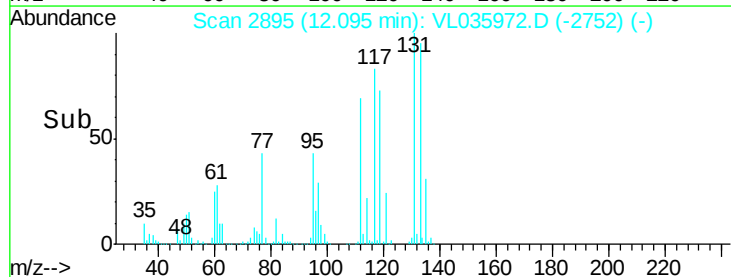
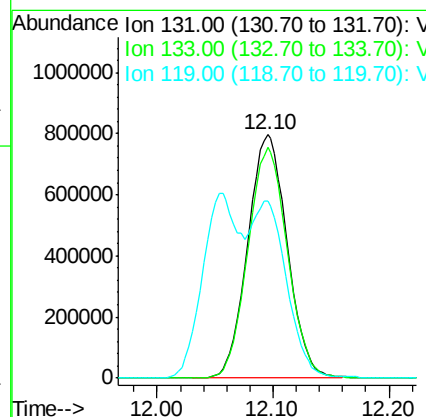
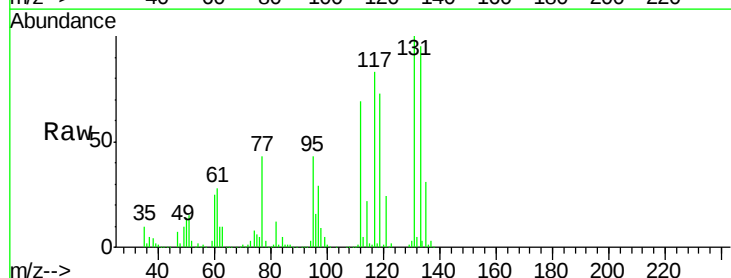
Manual Integrations
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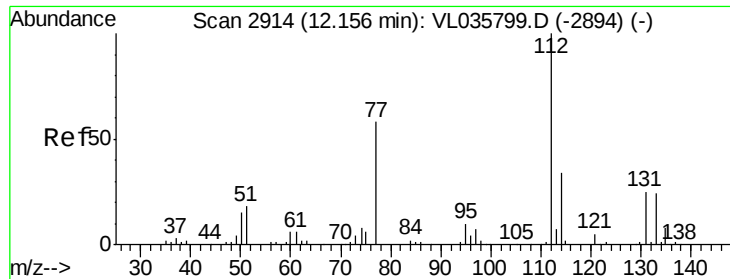
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.730 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion:131 Resp: 1883403
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 62.4 47.4 71.0





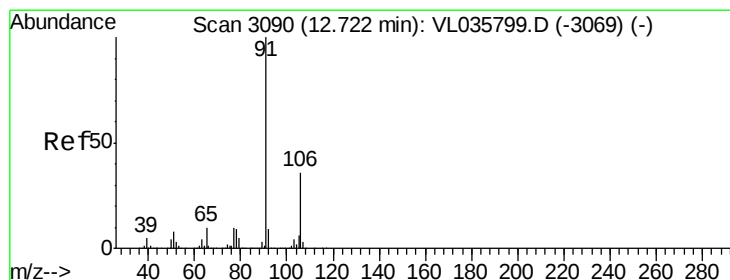
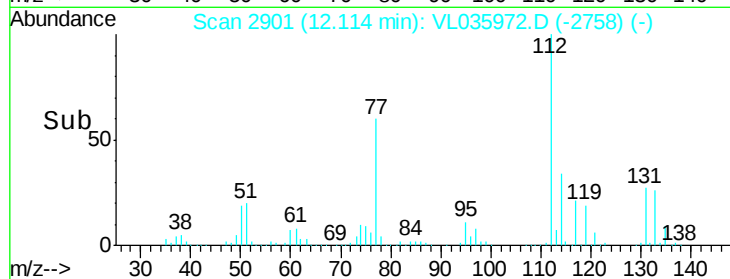
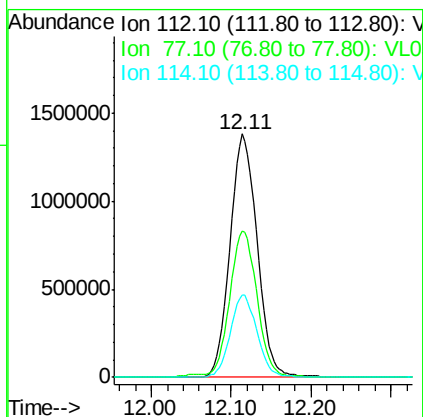
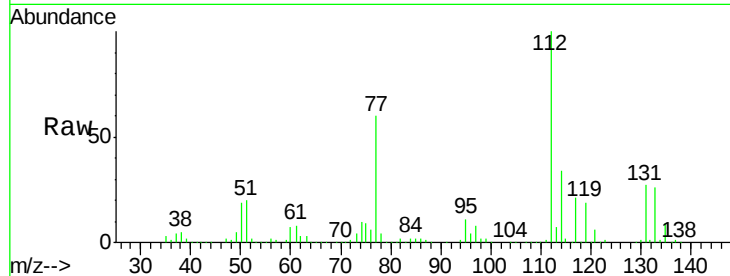
#57
Chlorobenzene
Concen: 9.258 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 112 Resp: 3174653
Ion Ratio Lower Upper
112 100
77 59.9 47.5 71.3
114 33.5 30.3 37.1

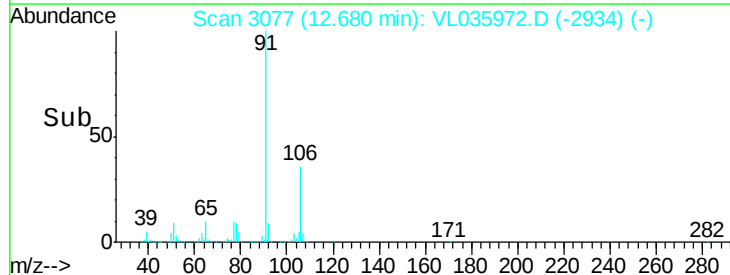
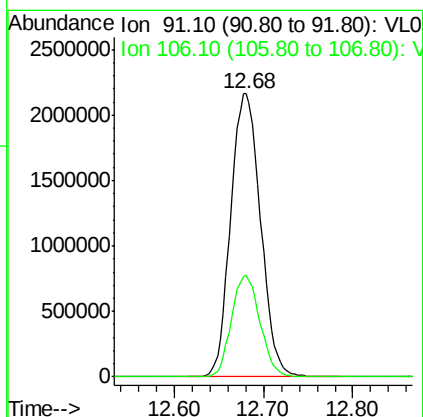
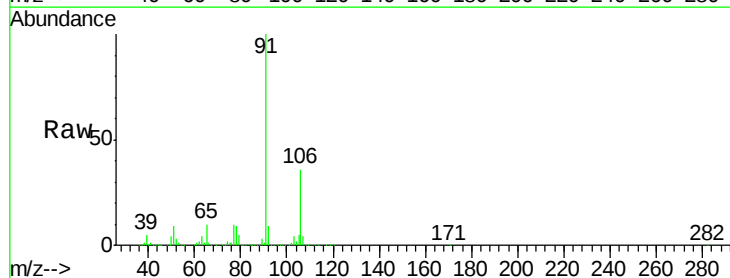
Manual Integrations
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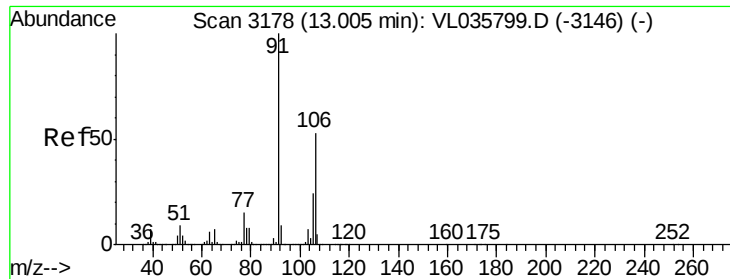
MMDadoda
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#58
Ethyl Benzene
Concen: 9.571 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 5026900
Ion Ratio Lower Upper
91 100
106 36.0 28.6 43.0





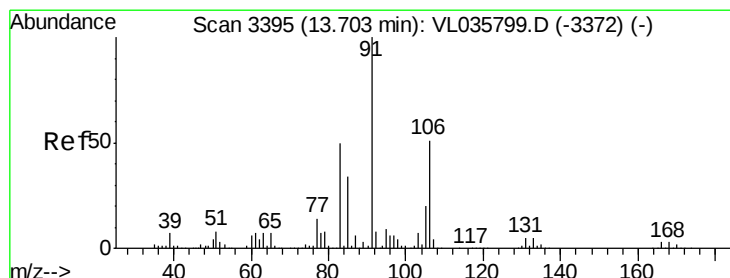
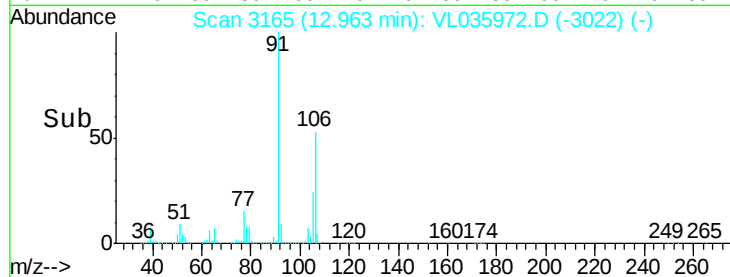
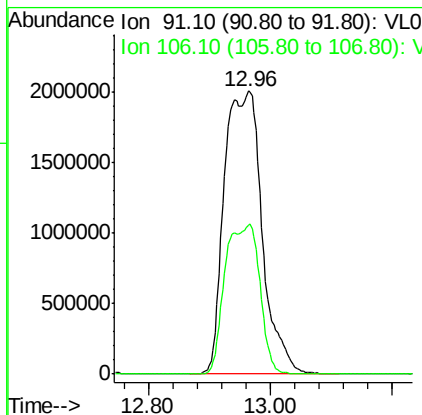
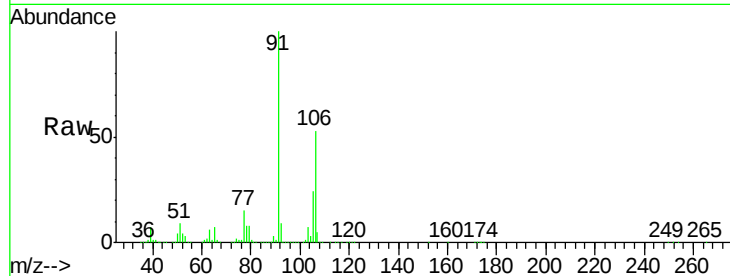
#59
m/p-Xylene
Concen: 19.503 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 91 Resp: 8666935
Ion Ratio Lower Upper
91 100
106 48.7 39.5 59.3

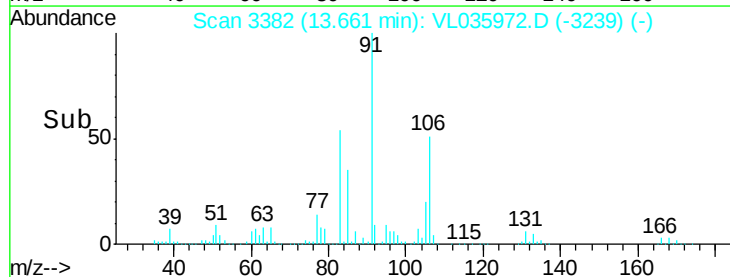
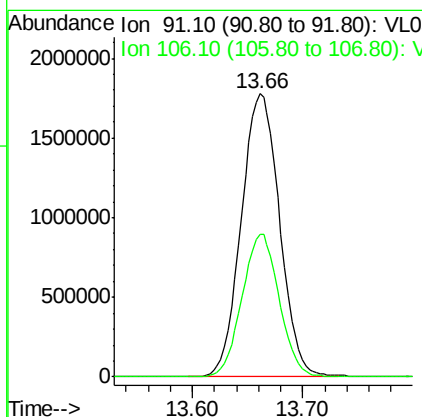
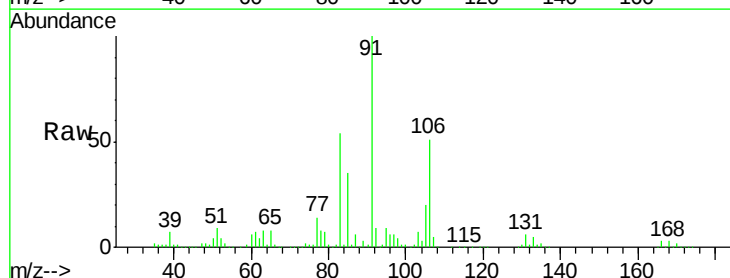
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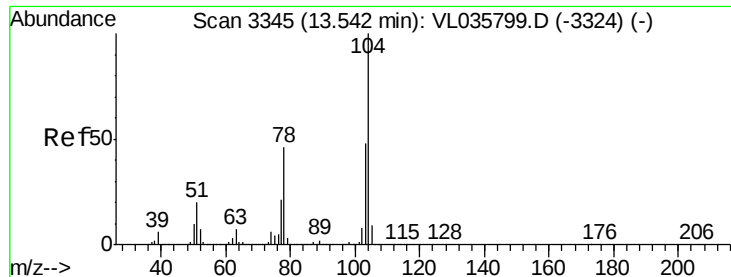
MMDadoda
11/20/2020 12:27:18 PM



#60
o-Xylene
Concen: 9.863 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 4263901
Ion Ratio Lower Upper
91 100
106 49.1 24.8 74.4





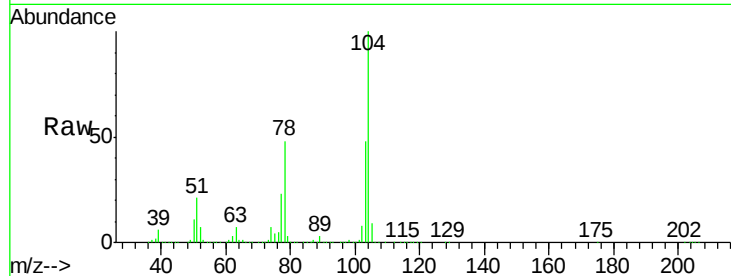
#61
Stvrene
Concen: 9.987 ppbv
RT: 13.50 min Scan# 3331
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

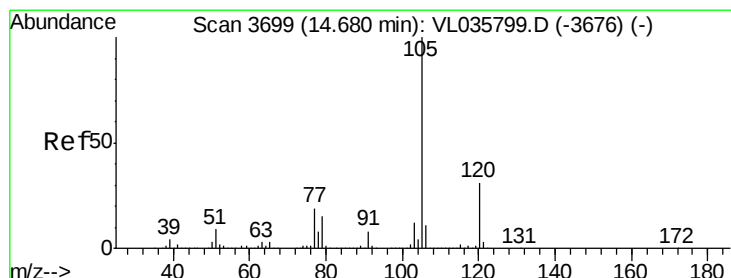
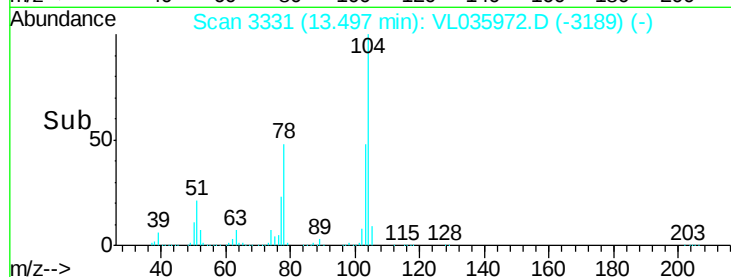
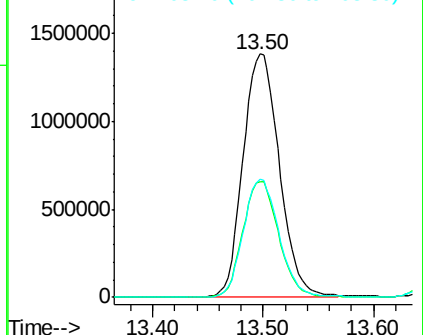
Tot Ion:104 Resp: 3163204
Ion Ratio Lower Upper
104 100
78 47.3 37.1 55.7
103 47.8 37.9 56.9

Manual Integrations
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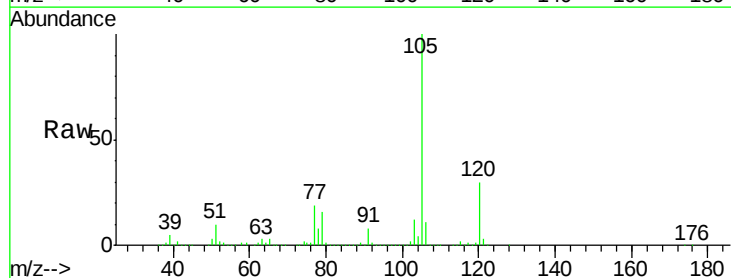


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

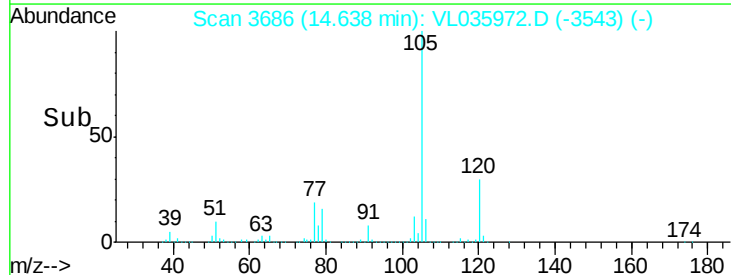
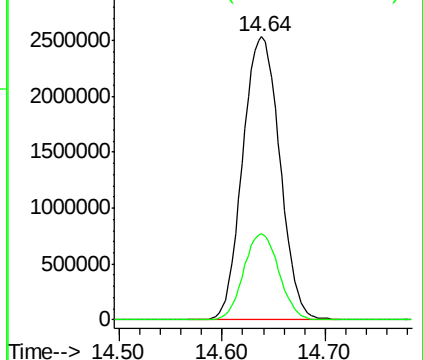


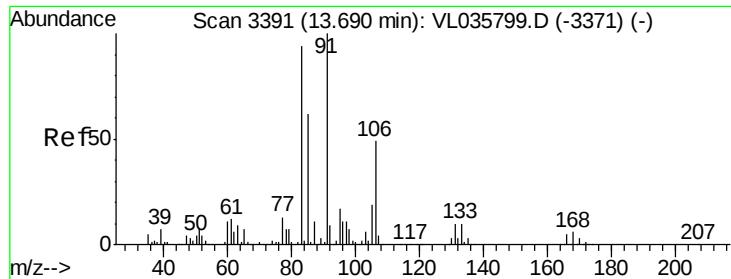
#62
Isopropylbenzene
Concen: 9.331 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion:105 Resp: 6339932
Ion Ratio Lower Upper
105 100
120 29.0 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





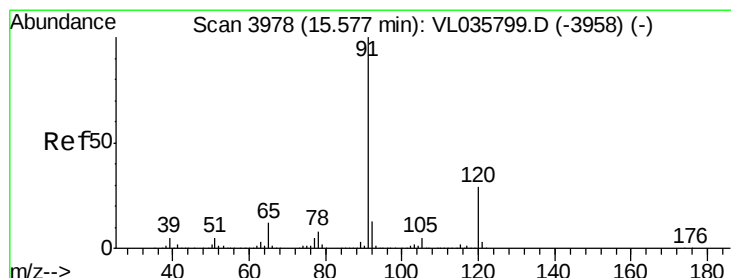
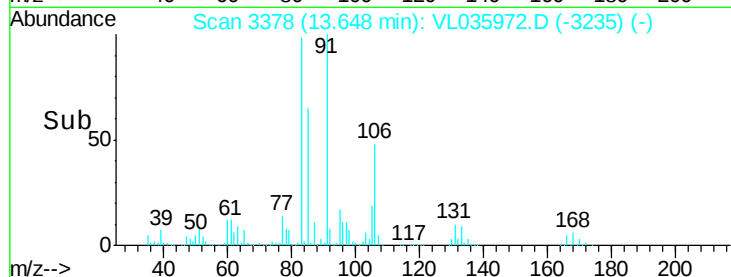
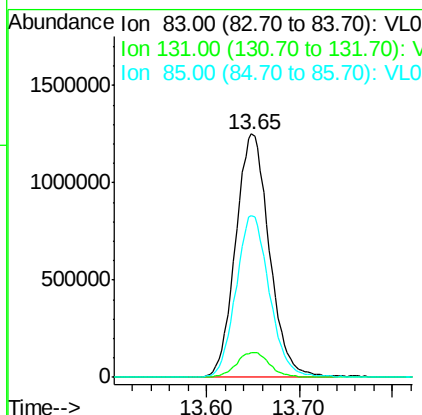
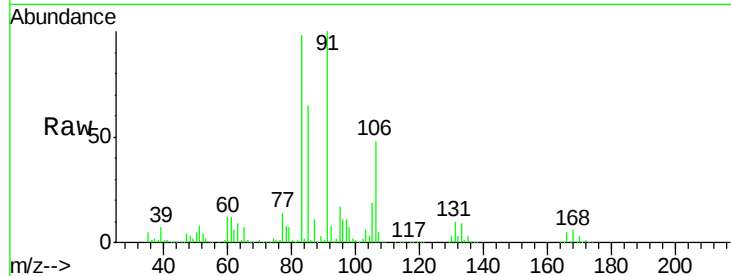
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.453 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion	83	Resp	3166386
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	66.4	33.5	100.4

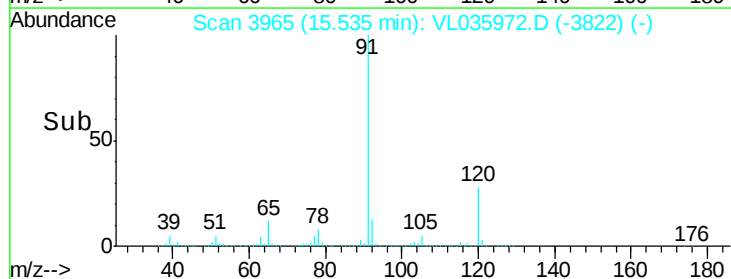
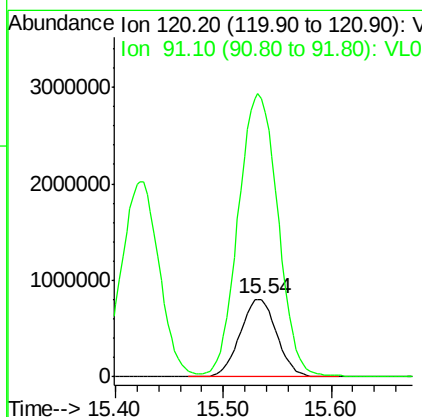
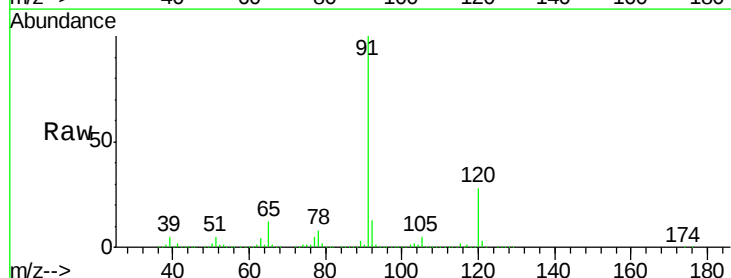
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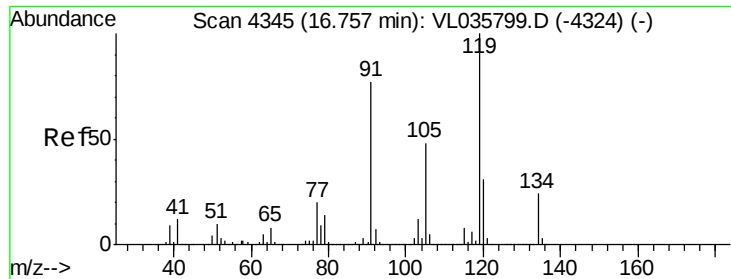
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#64
 n-propylbenzene
 Concen: 9.666 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion	120	Resp	1898361
Ion Ratio	Lower	Upper	
120	100		
91	396.0	311.1	466.7





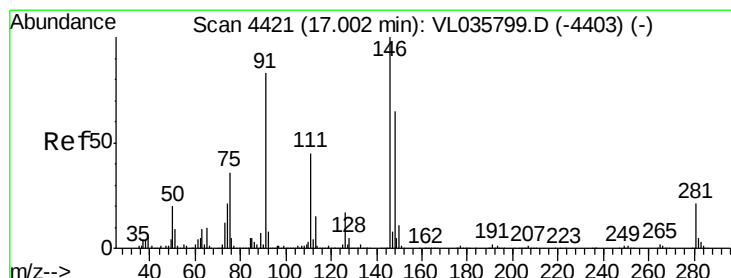
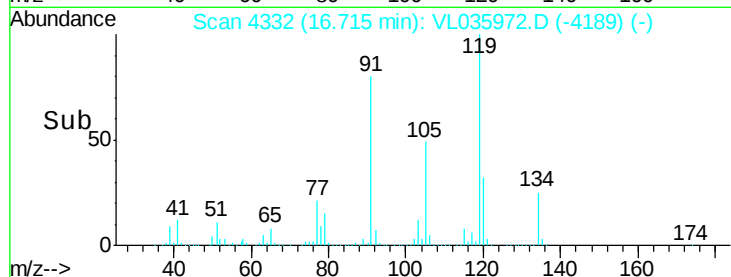
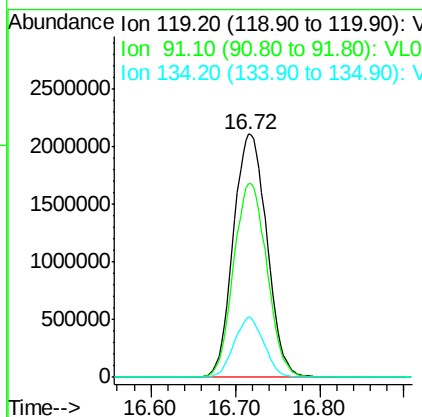
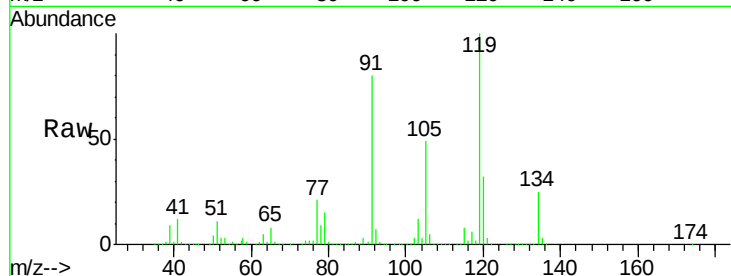
#65
tert-Butylbenzene
Concen: 9.448 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion:119 Resp: 5843107
Ion Ratio Lower Upper
119 100
91 79.2 62.0 93.0
134 22.0 17.8 26.8

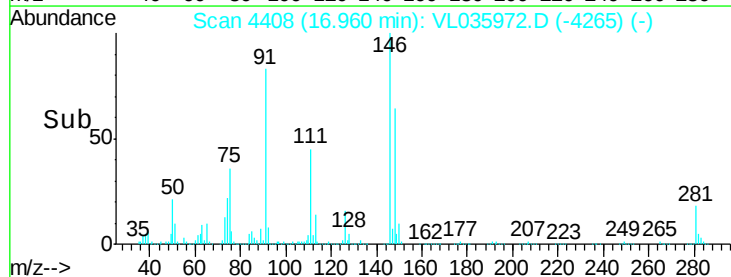
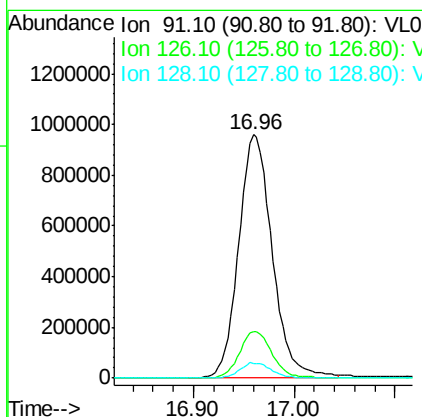
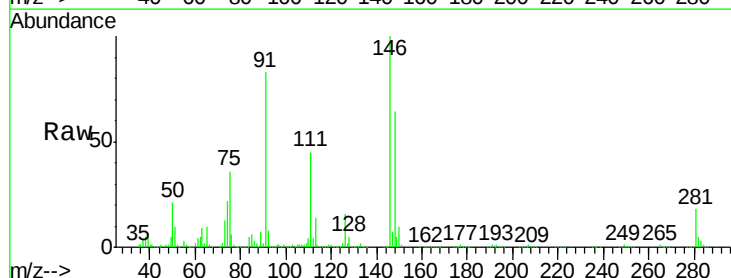
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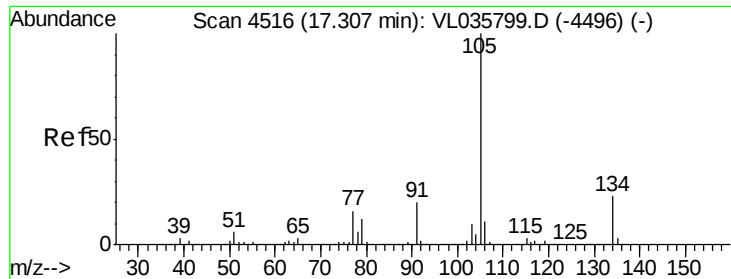
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#66
Benzyl Chloride
Concen: 10.798 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 2207309
Ion Ratio Lower Upper
91 100
126 19.0 16.0 24.0
128 6.1 5.0 7.4





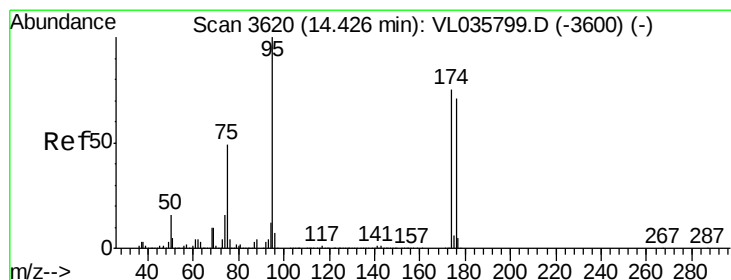
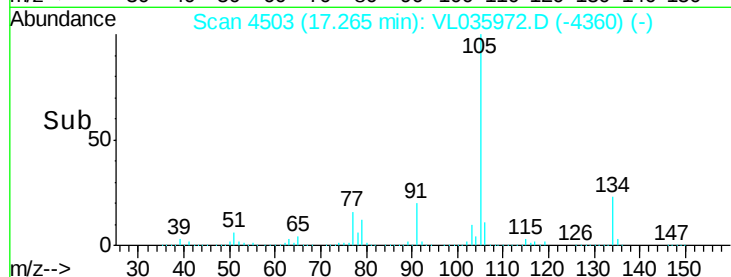
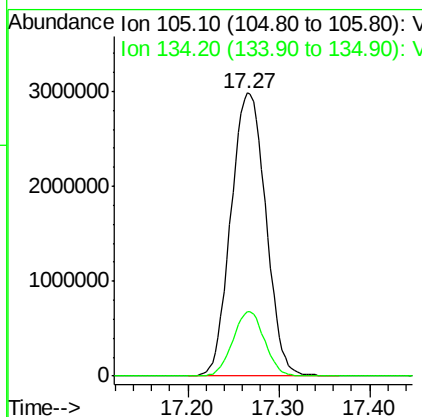
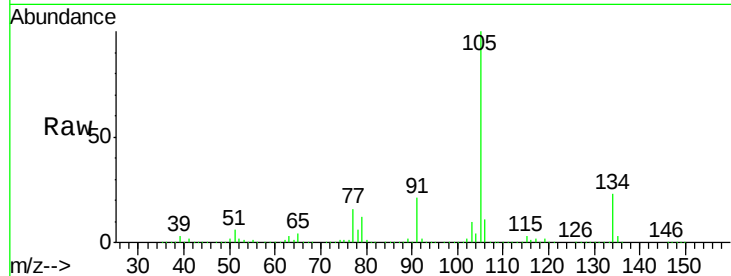
#67
 sec-Butylbenzene
 Concen: 9.529 ppbv
 RT: 17.27 min Scan# 4503
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 105 Resp: 7941795
 Ion Ratio Lower Upper
 105 100
 134 20.9 17.0 25.6

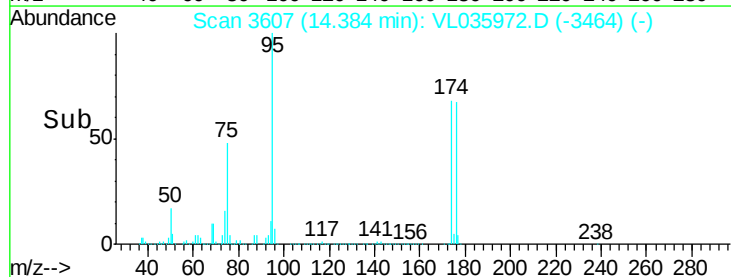
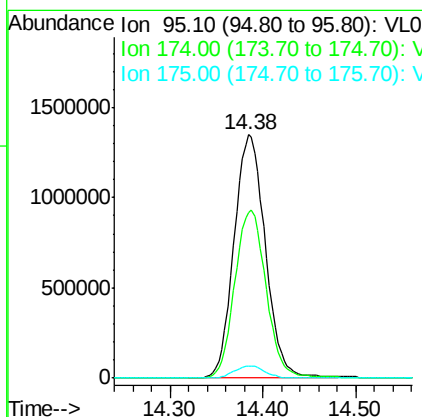
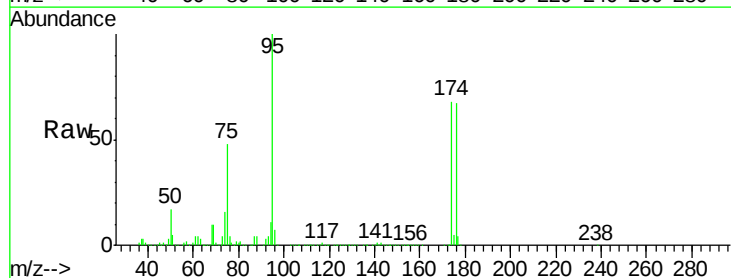
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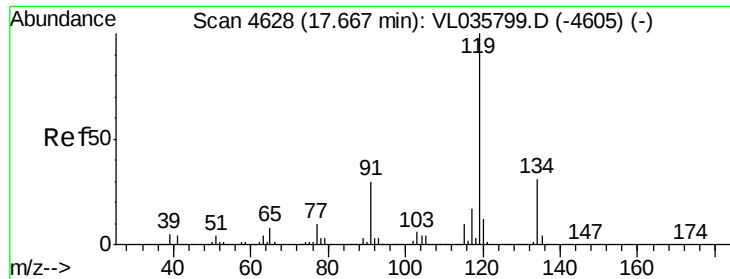
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.322 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 95 Resp: 3162692
 Ion Ratio Lower Upper
 95 100
 174 69.8 59.8 89.6
 175 5.0 4.3 6.5





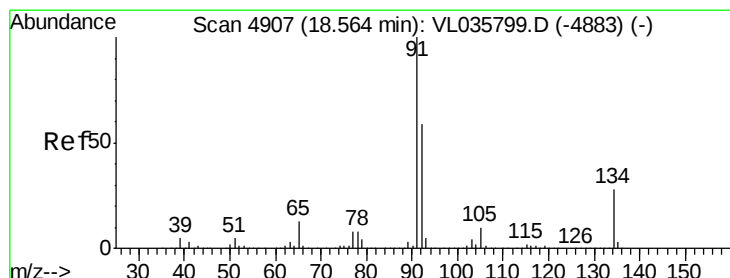
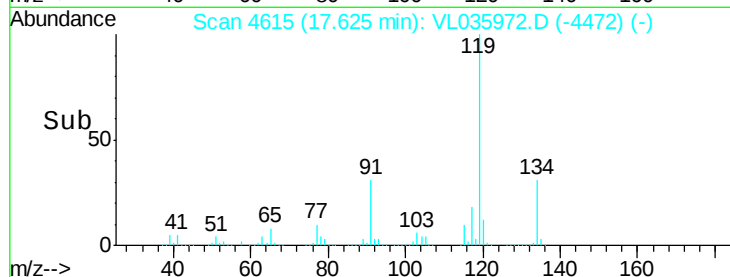
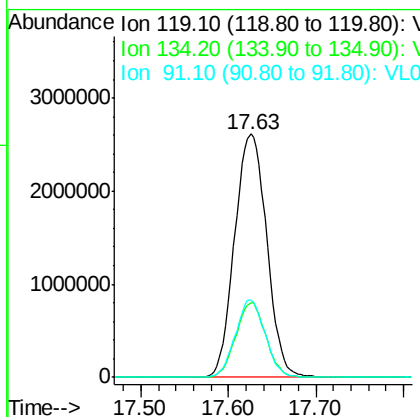
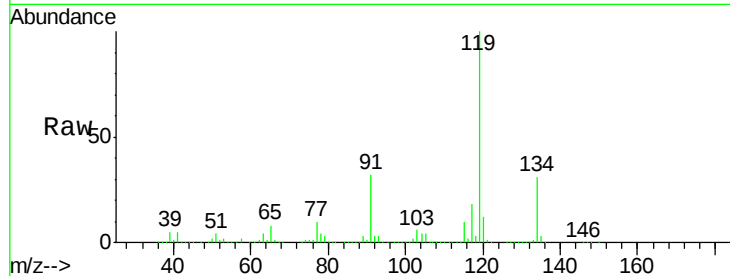
#69
 p-Isopropyltoluene
 Concen: 9.700 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 119 Resp: 6671328
 Ion Ratio Lower Upper
 119 100
 134 28.7 23.0 34.6
 91 29.5 22.8 34.2

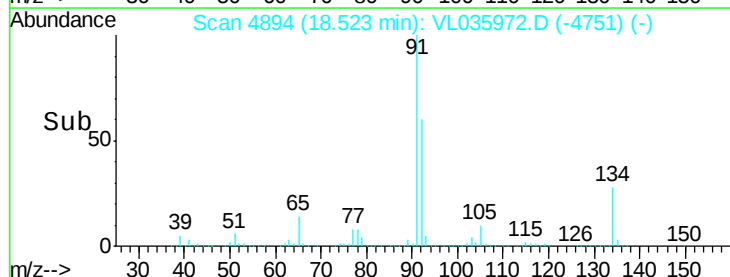
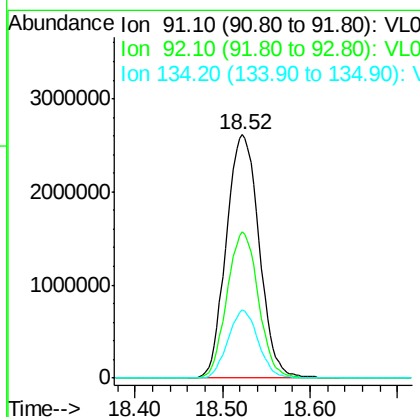
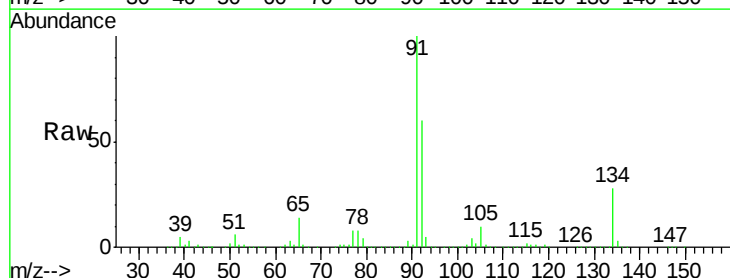
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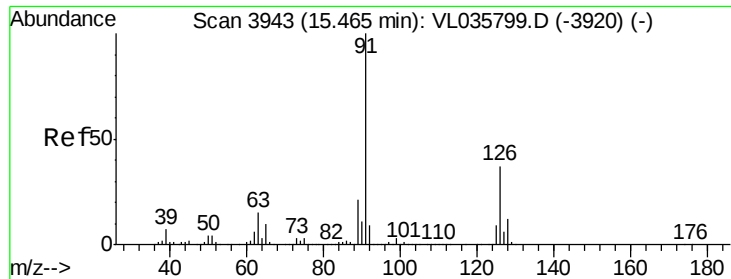
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#70
 n-Butylbenzene
 Concen: 10.280 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 6808545
 Ion Ratio Lower Upper
 91 100
 92 57.6 45.7 68.5
 134 26.0 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.829 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 91 Resp: 4885039

Ion Ratio Lower Upper

91 100

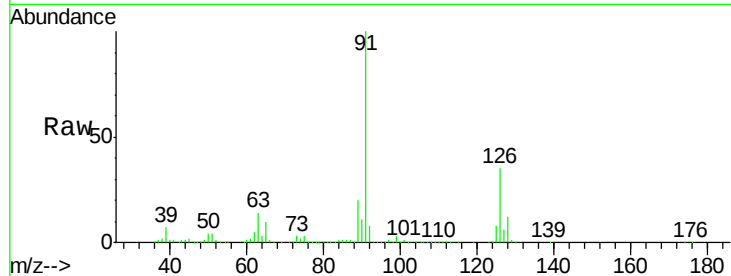
126 34.6 14.3 57.1

Manual Integrations

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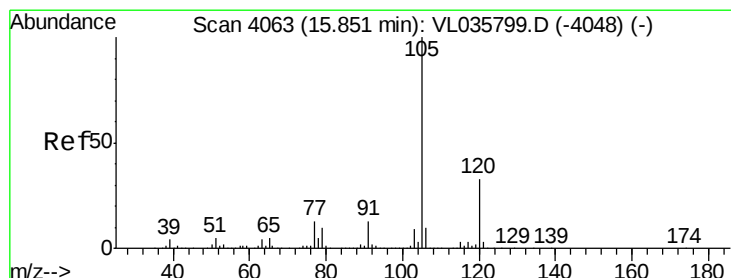
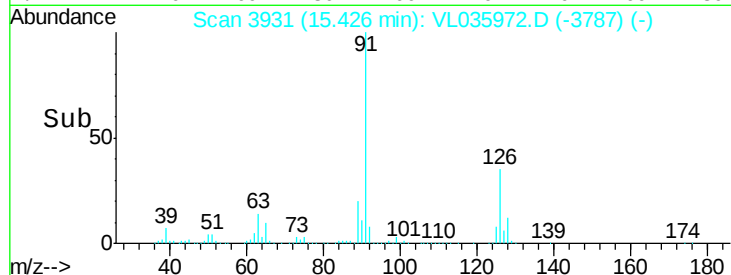
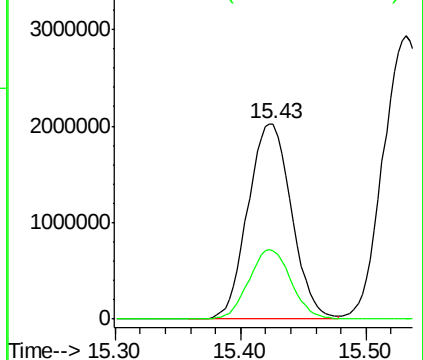
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.898 ppbv

RT: 15.81 min Scan# 4050

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion: 105 Resp: 5189547

Ion Ratio Lower Upper

105 100

120 32.1 25.9 38.9

91 12.6 9.9 14.9

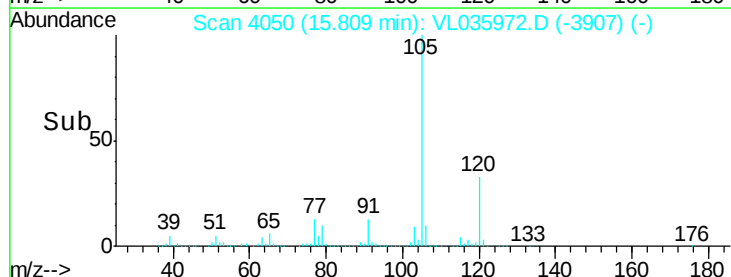
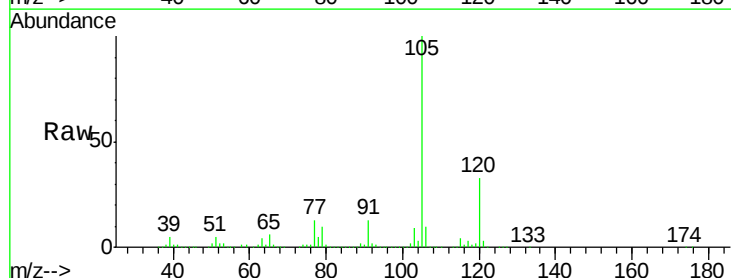
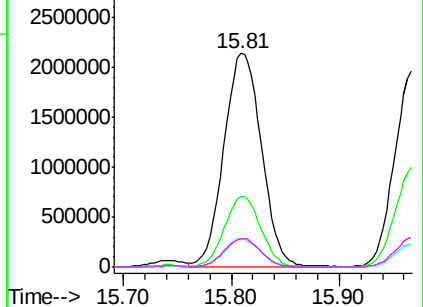
77 13.0 10.2 15.2

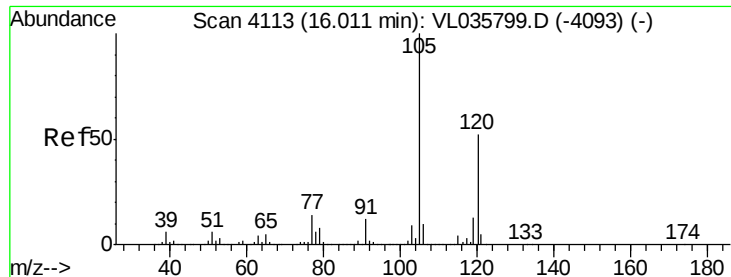
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.006 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion:105 Resp: 4801042

Ion Ratio Lower Upper

105 100

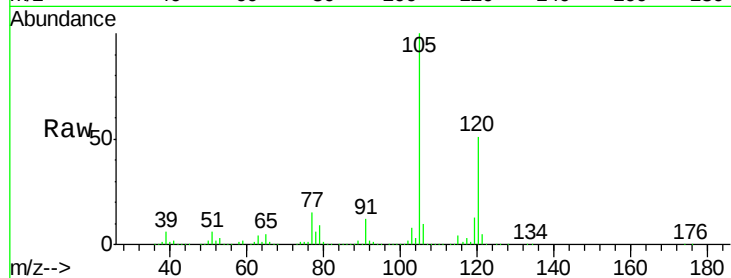
120 51.2 41.4 62.2

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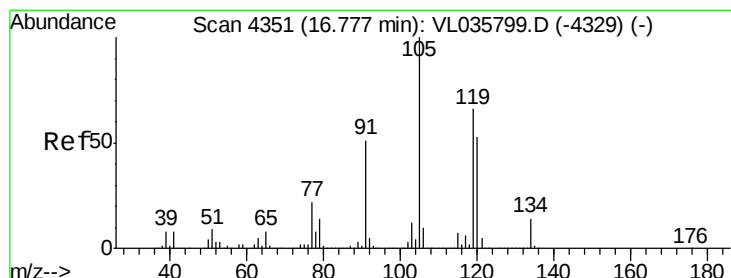
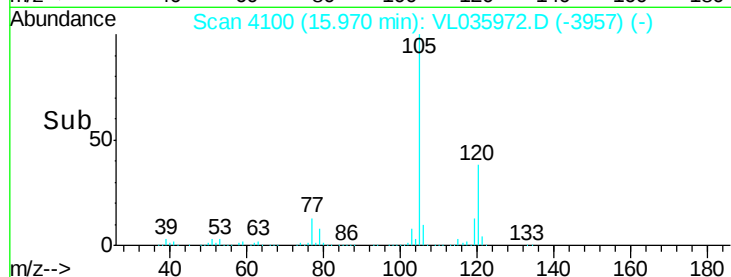
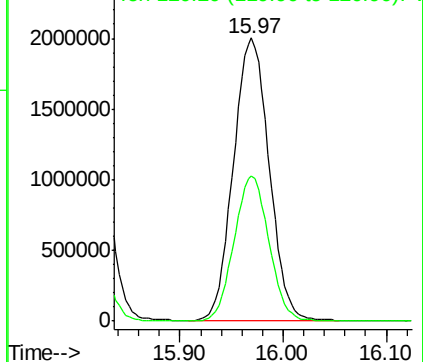
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.899 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion:105 Resp: 5089212

Ion Ratio Lower Upper

105 100

120 53.2 42.0 63.0

91 53.4 41.0 61.6

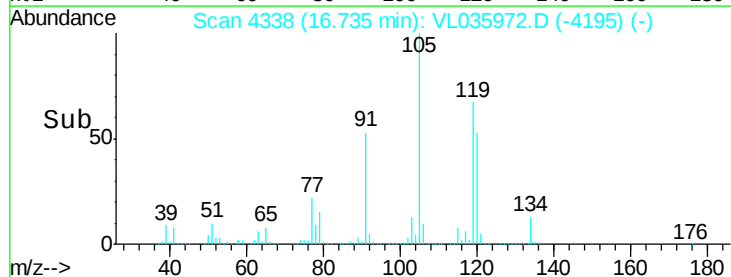
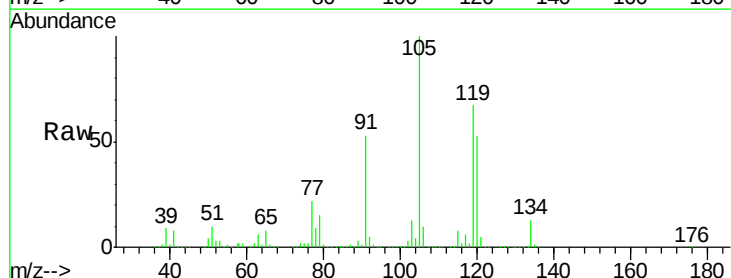
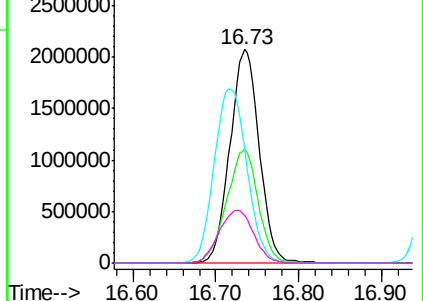
77 22.0 17.3 25.9

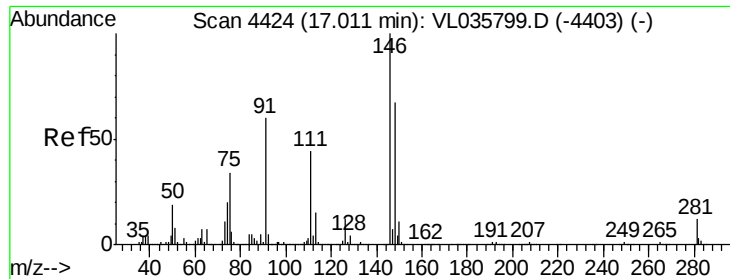
Abundance Ion 105.10 (104.80 to 105.80): V

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





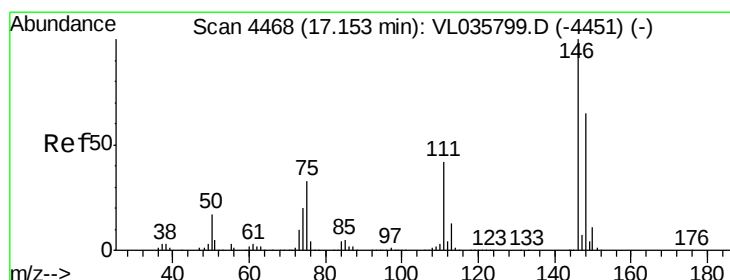
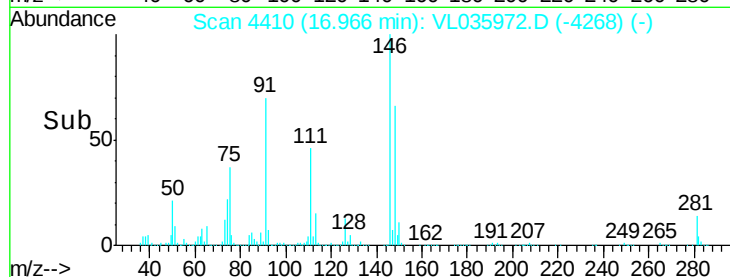
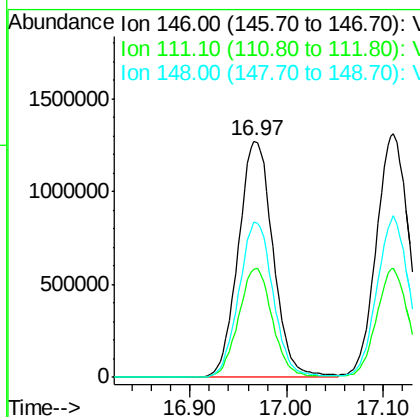
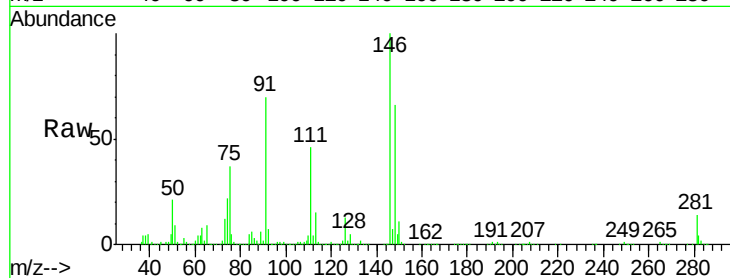
#75
 1,3-Dichlorobenzene
 Concen: 9.688 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion:146 Resp: 3171249
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.8 65.4
 148 65.0 32.5 97.5

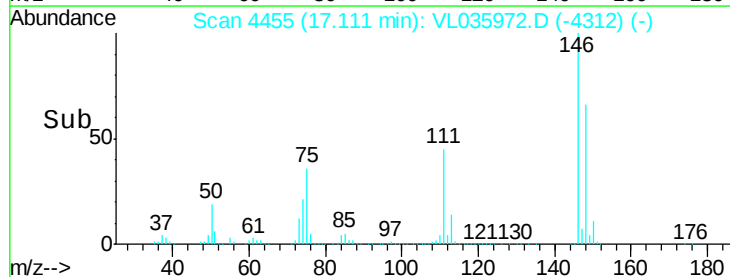
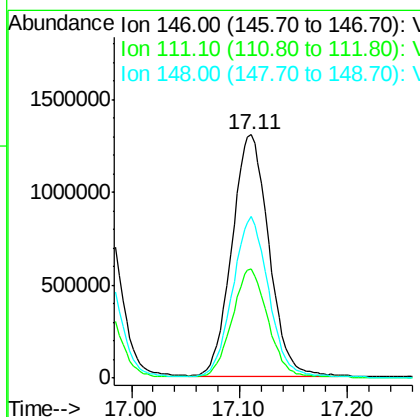
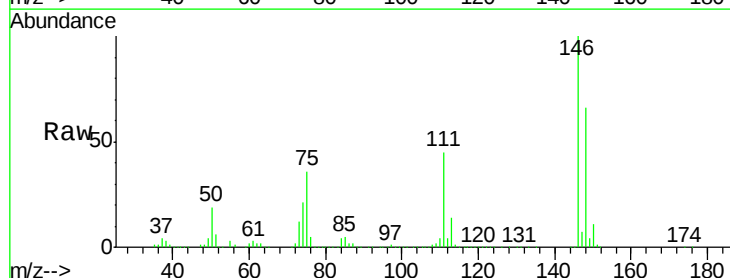
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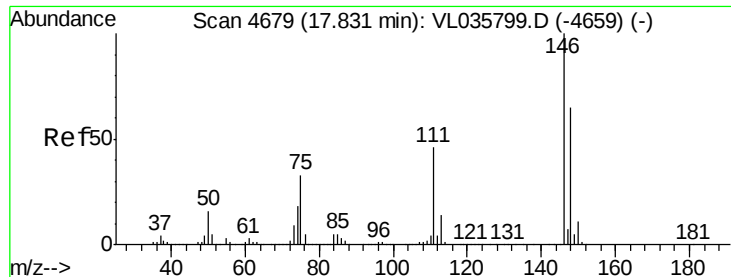
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 11/20/2020 12:27:18 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.835 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:146 Resp: 3105624
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.3 63.7
 148 65.6 33.0 99.0





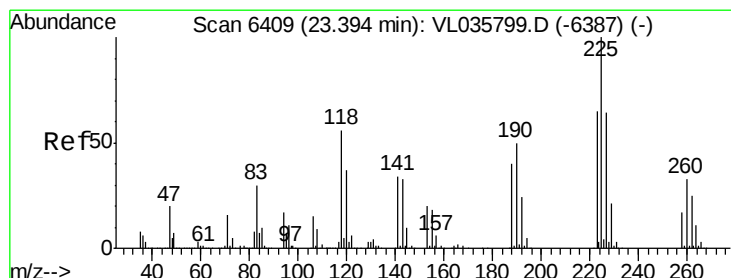
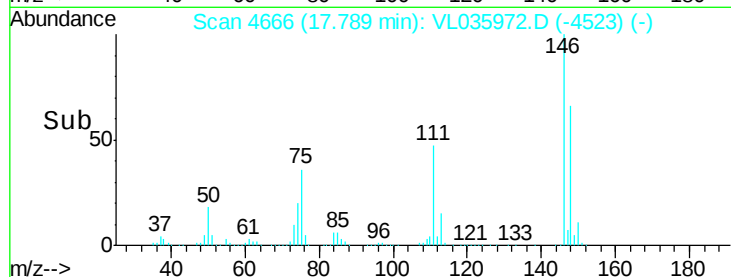
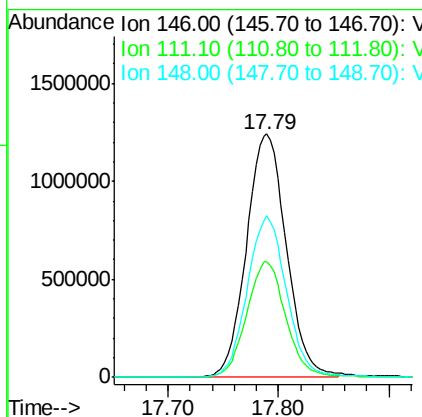
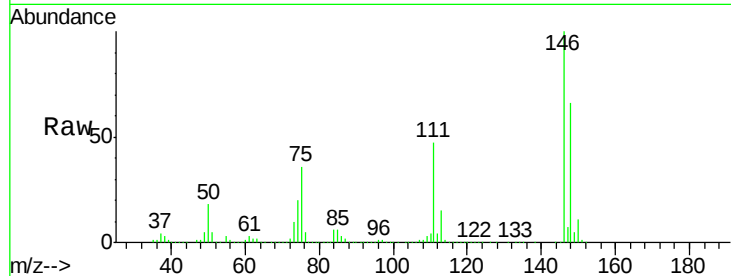
#77
 1,2-Dichlorobenzene
 Concen: 9.707 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	22.4	67.0
148	65.6	32.5	97.5

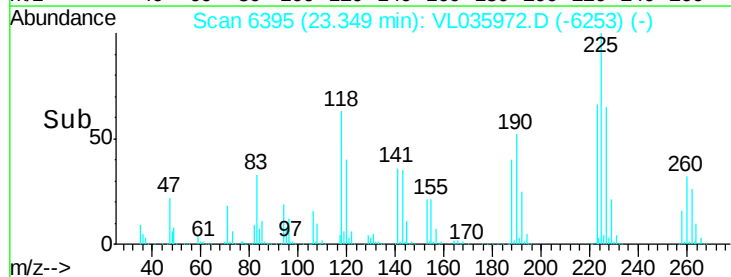
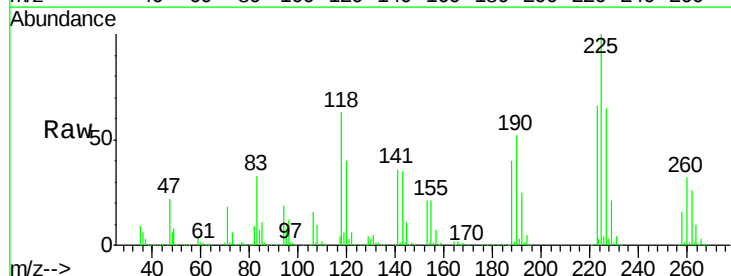
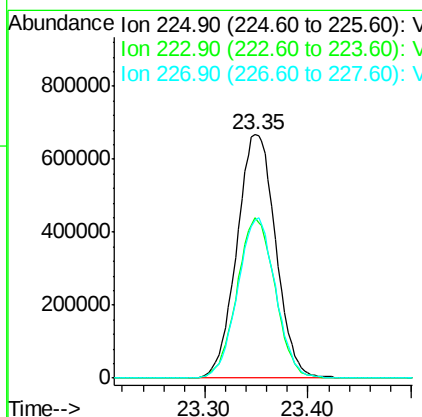
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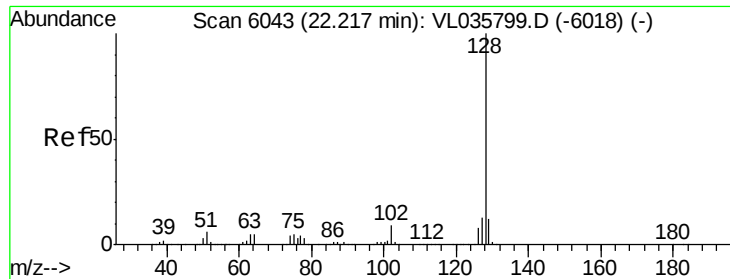
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 11/20/2020 12:27:18 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.714 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.0	76.6
227	64.5	51.2	76.8





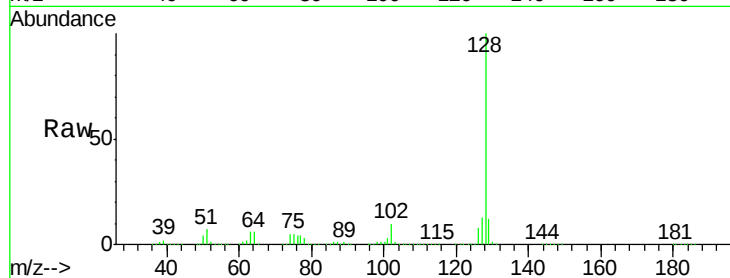
#79
Naphthalene
Concen: 12.566 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.05 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.9	9.2	13.8

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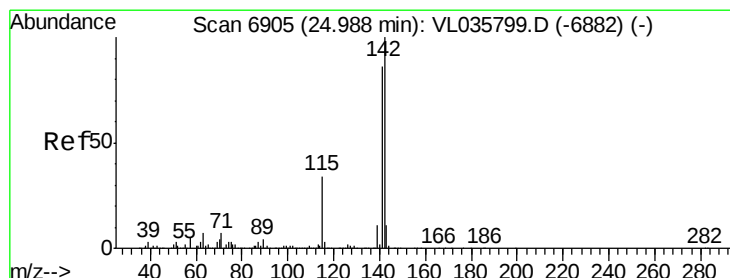
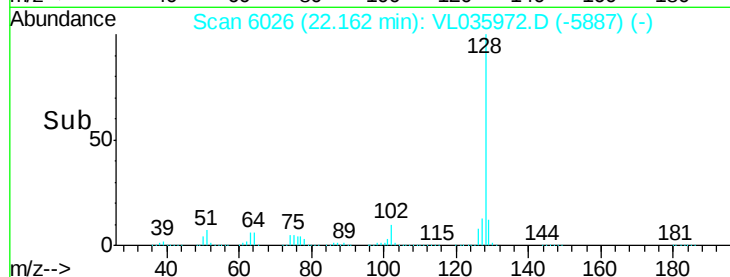
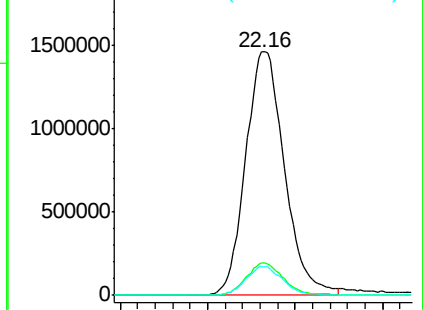


Abundance

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: 15.517 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

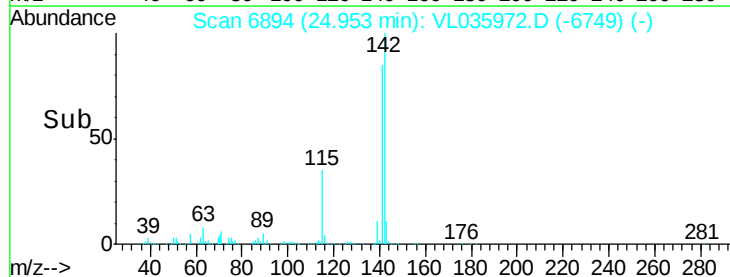
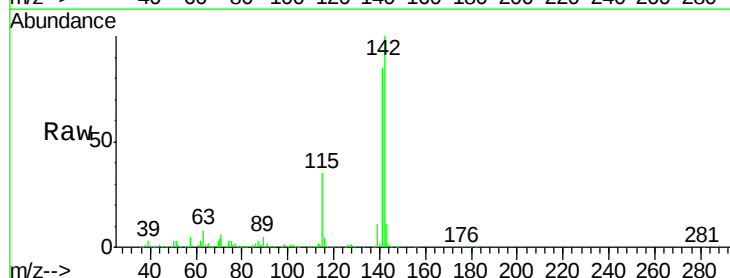
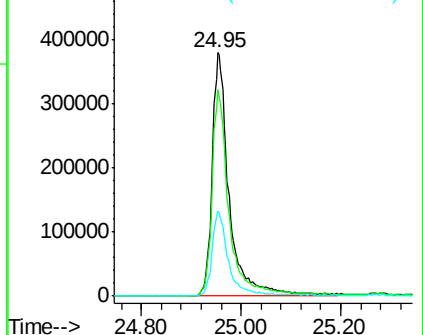
Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.8	101.8
115	33.5	28.1	42.1

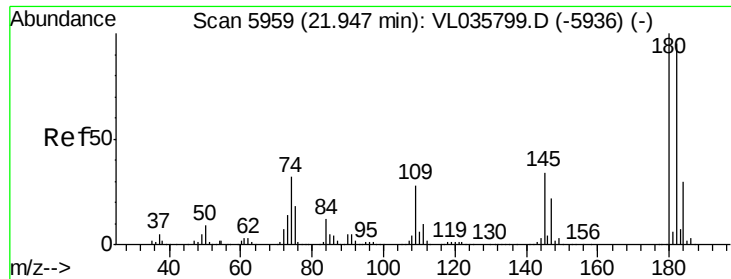
Abundance

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: 11.249 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.05 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.2	115.8
184	32.1	24.7	37.1

Manual Integrations
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