

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035596.D
 Acq On : 14 Sep 2020 10:11
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 5:39:56 PM

Quant Time: Sep 15 06:49:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1109526	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4509345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4720631	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3464441	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1474459	7.668	ppbv	98
3) Chlorodifluoromethane	2.97	51	1161646	9.466	ppbv	99
4) Chloromethane	3.13	50	620106	9.432	ppbv	99
5) Vinyl Chloride	3.24	62	740268	9.133	ppbv	99
6) Bromomethane	3.46	94	650873	9.560	ppbv	99
7) Chloroethane	3.55	64	279431	9.751	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2112014	9.070	ppbv	94
9) Propene	3.00	41	450415	9.521	ppbv	97
10) Heptane	8.13	43	1278698	10.063	ppbv	99
11) Trichlorofluoromethane	3.94	101	2537303	9.049	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1913926	9.043	ppbv	93
13) Ethanol	3.60	45	102376	8.728	ppbv	96
14) Bromoethene	3.73	108	871669	9.569	ppbv	100
15) Acetone	3.84	43	1018257	8.321	ppbv	99
16) 1,3-Butadiene	3.32	39	456180	10.014	ppbv	100
17) tert-Butyl alcohol	4.28	59	1443837	9.693	ppbv	100
18) 1,1-Dichloroethene	4.28	96	902335	9.682	ppbv	95
19) Isopropyl Alcohol	3.96	45	701431	9.608	ppbv	# 97
20) Methylene Chloride	4.34	84	800603	8.784	ppbv	96
21) Allyl Chloride	4.40	41	601718	10.496	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	926013	9.333	ppbv	95
23) Vinyl Acetate	5.07	43	1530692	9.746	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1527449	9.450	ppbv	99
25) Ethyl Acetate	5.67	43	2095973	9.695	ppbv	99
26) Hexane	5.68	57	1205456	9.841	ppbv	98
27) Carbon Disulfide	4.54	76	1955759	11.126	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2031143	9.514	ppbv	99
29) Chloroform	5.75	83	2401581	9.623	ppbv	99
30) Cyclohexane	7.13	84	1324512	10.094	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1256465	9.998	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2338456	9.659	ppbv	98
34) 2-Butanone	5.24	43	1428653	10.676	ppbv	99
35) Carbon Tetrachloride	7.02	117	2460535	10.857	ppbv	100
36) Benzene	6.89	78	3029030	10.377	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1469579	10.560	ppbv	99
38) Trichloroethene	7.84	130	1571592	9.269	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1032214	10.468	ppbv	98
40) 1,4-Dioxane	7.83	88	504755	10.247	ppbv	77
41) Tetrahydrofuran	6.04	42	806000	11.358	ppbv	98
42) Bromodichloromethane	7.80	83	2502449	11.120	ppbv	100
43) Methyl Methacrylate	8.02	69	1273592	11.284	ppbv	98

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Quant Time: Sep 15 06:49:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4004490	10.426	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1413586	12.363	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1693711	11.931	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1504702	10.342	ppbv	98
48) Dibromochloromethane	10.31	129	2558207	11.171	ppbv	100
49) Bromoform	13.05	173	2317683	11.168	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2172782	11.213	ppbv	99
51) 2-Hexanone	10.14	43	1856827	11.681	ppbv #	99
52) Tetrachloroethene	11.23	164	1494098	8.762	ppbv	97
53) Toluene	9.81	91	3844989	10.475	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2371222	10.314	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2001105	10.418	ppbv	99
57) Chlorobenzene	12.16	112	3299489	9.497	ppbv	97
58) Ethyl Benzene	12.72	91	5028872	10.331	ppbv	99
59) m/p-Xylene	13.01	91	8668361m	21.311	ppbv	
60) o-Xylene	13.71	91	4233135	10.333	ppbv	98
61) Styrene	13.54	104	3374572	10.770	ppbv	98
62) Isopropylbenzene	14.68	105	6386604	9.705	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3097268	9.751	ppbv	100
64) n-propylbenzene	15.58	120	2018191	10.049	ppbv	92
65) tert-Butylbenzene	16.76	119	6059030	9.904	ppbv	97
66) Benzyl Chloride	17.00	91	2107939	13.865	ppbv	96
67) sec-Butylbenzene	17.31	105	7961453	9.768	ppbv	97
69) p-Isopropyltoluene	17.67	119	6927951	9.690	ppbv	98
70) n-Butylbenzene	18.57	91	6924589	10.055	ppbv	98
71) 2-Chlorotoluene	15.47	91	4959444	10.349	ppbv	96
72) 4-Ethyltoluene	15.85	105	5297676	10.172	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4970528	10.318	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5234628	9.895	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3588966	9.159	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	3586036	9.279	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3530237	9.299	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	2199012	9.073	ppbv	100
79) Naphthalene	22.22	128	6037199	10.285	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2452469	12.241	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	3340916	9.504	ppbv	100

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

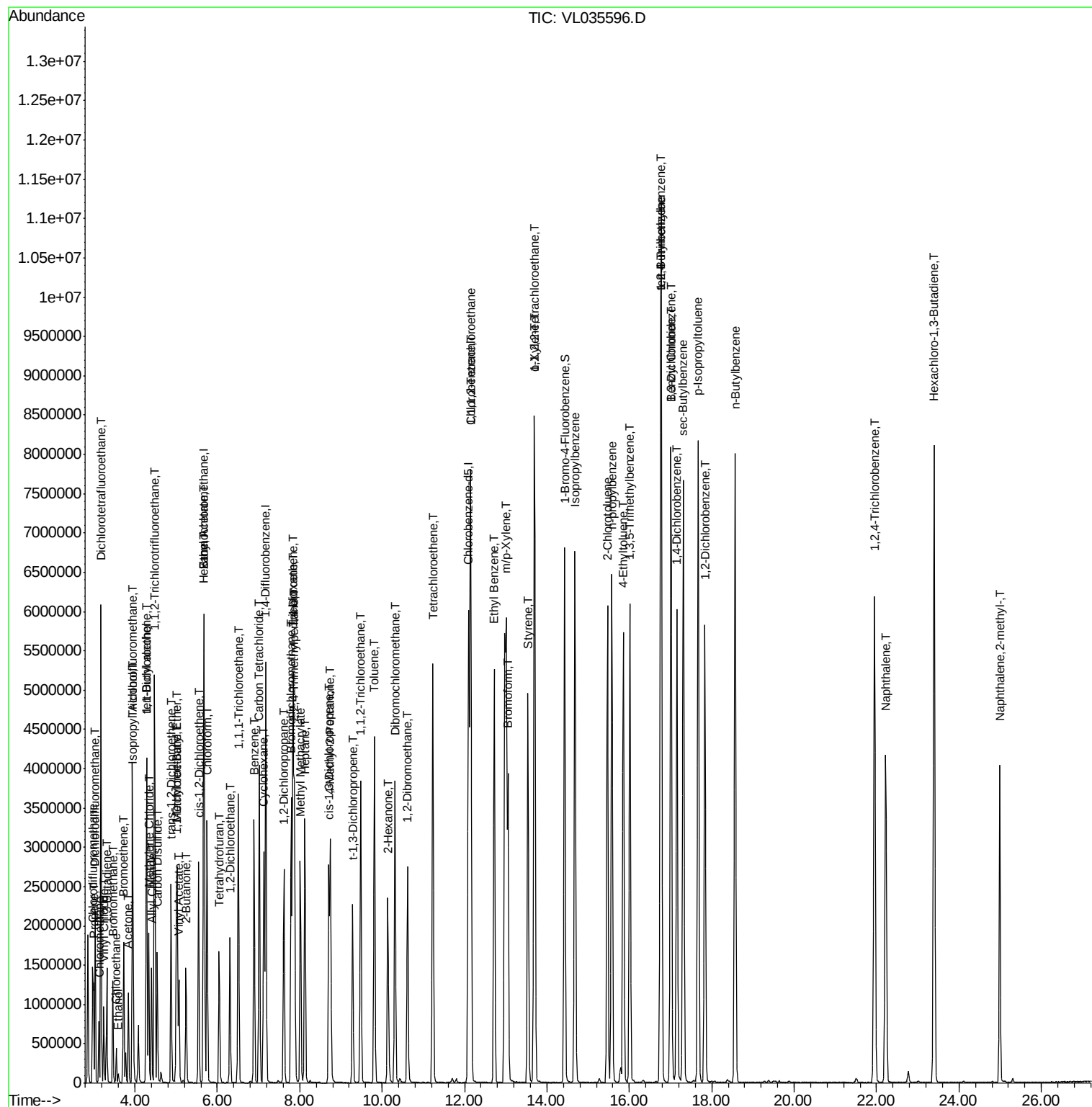
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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1109526

Ion Ratio Lower Upper

49 100

128 90.5 50.0 150.1

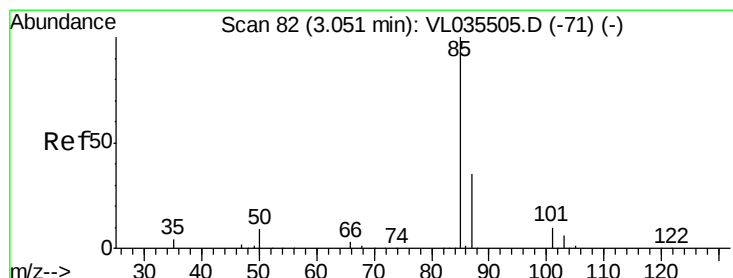
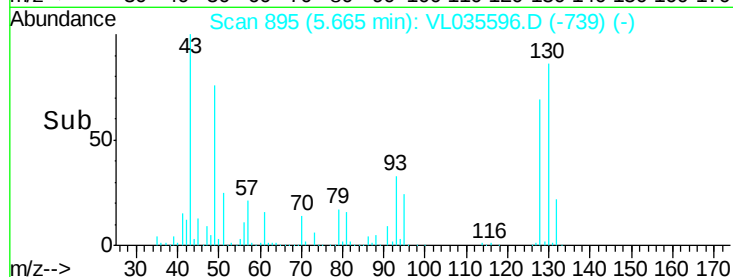
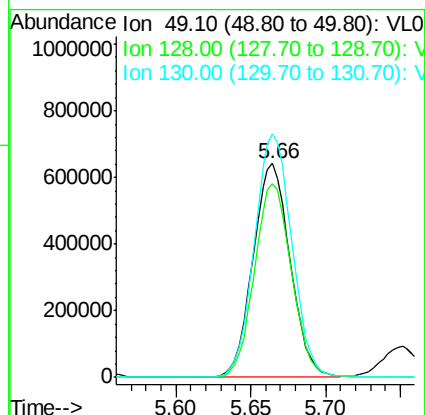
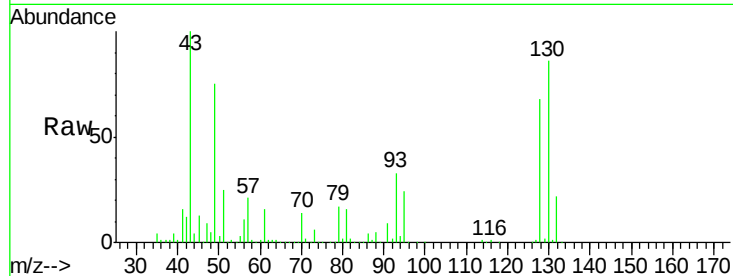
130 115.1 64.4 193.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 7.668 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL035596.D

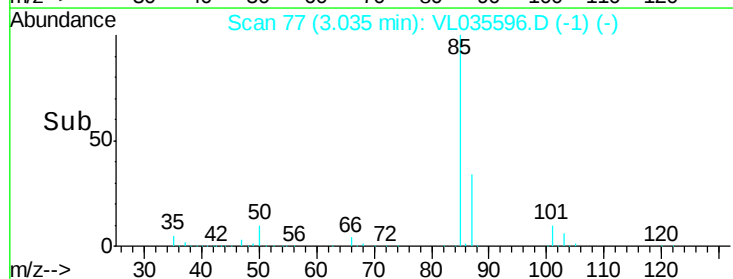
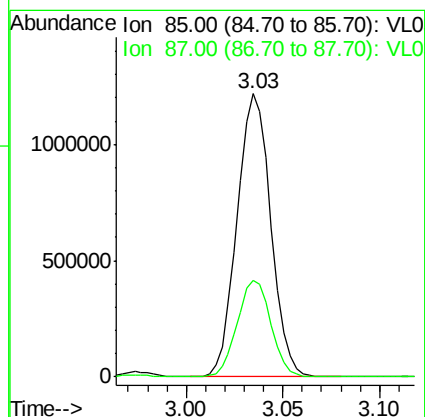
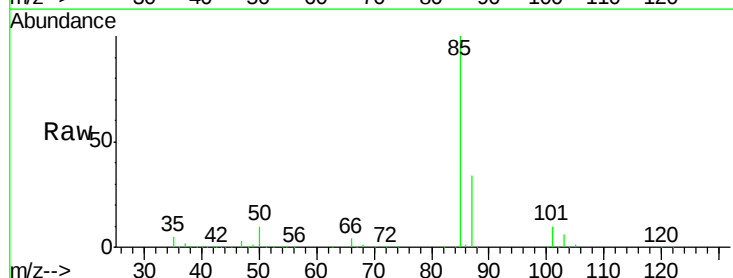
Acq: 14 Sep 2020 10:11

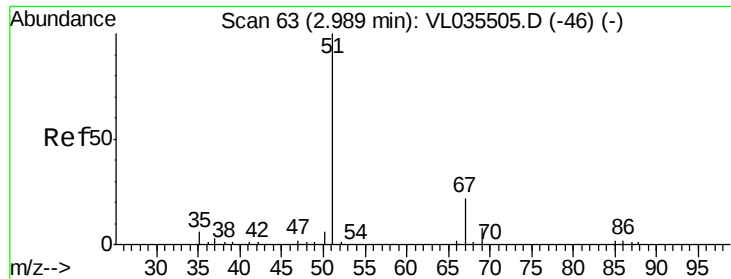
Tgt Ion: 85 Resp: 1474459

Ion Ratio Lower Upper

85 100

87 34.1 28.0 42.0





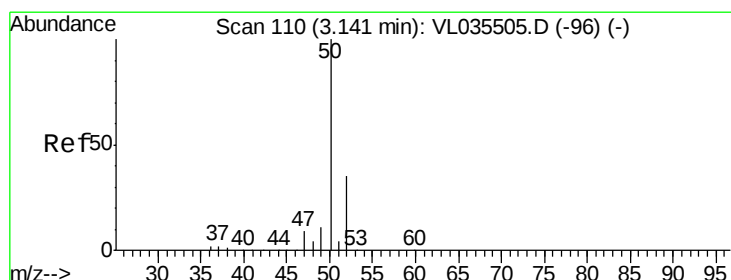
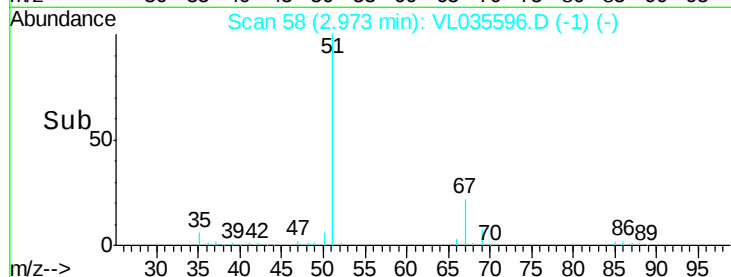
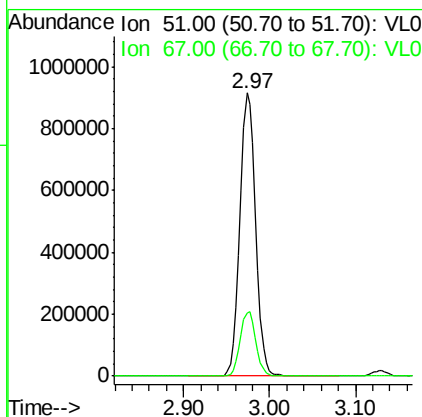
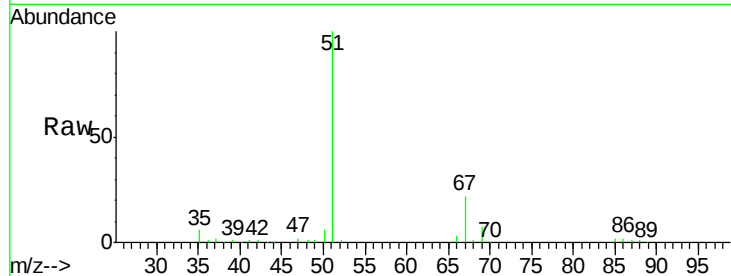
#3
Chlorodifluoromethane
Concen: 9.466 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1161646
Ion Ratio Lower Upper
51 100
67 22.7 17.8 26.8

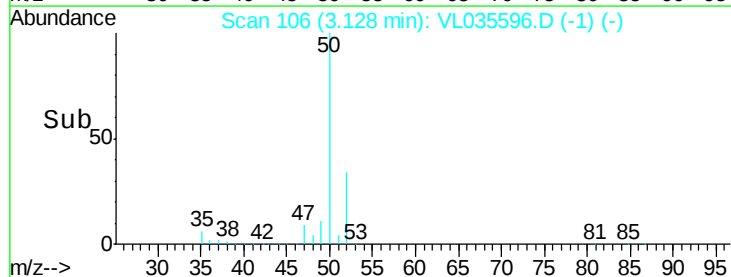
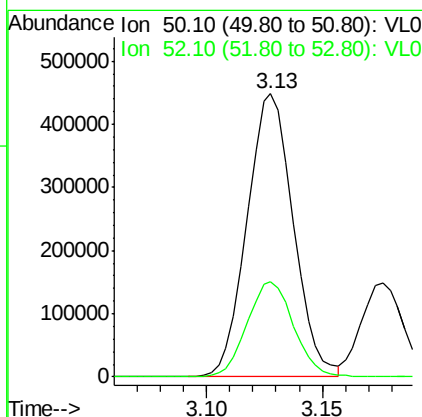
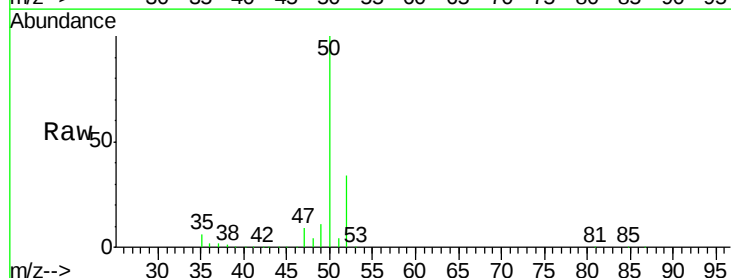
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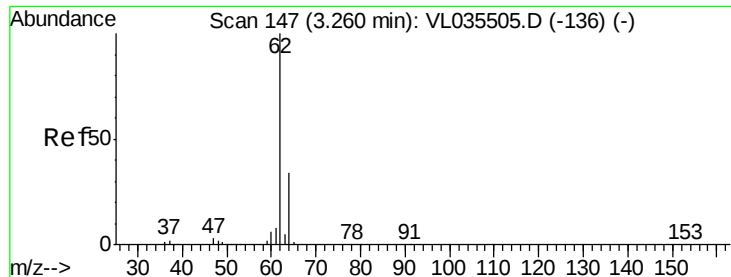
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#4
Chloromethane
Concen: 9.432 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 50 Resp: 620106
Ion Ratio Lower Upper
50 100
52 33.8 27.7 41.5





#5

Vinyl Chloride

Concen: 9.133 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 740268

Ion Ratio Lower Upper

62 100

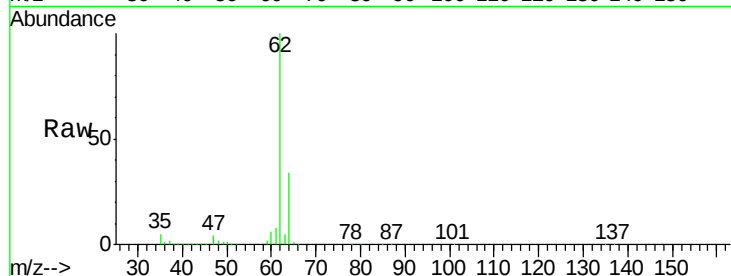
64 33.7 27.4 41.2

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

3.24

600000

500000

400000

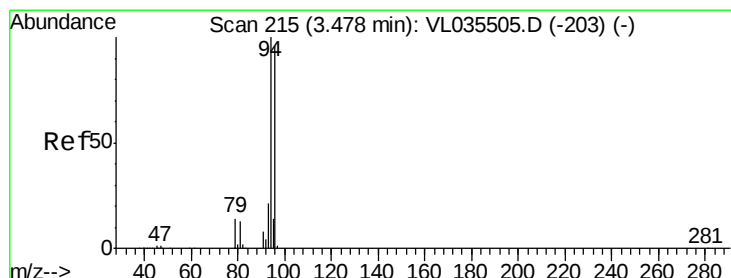
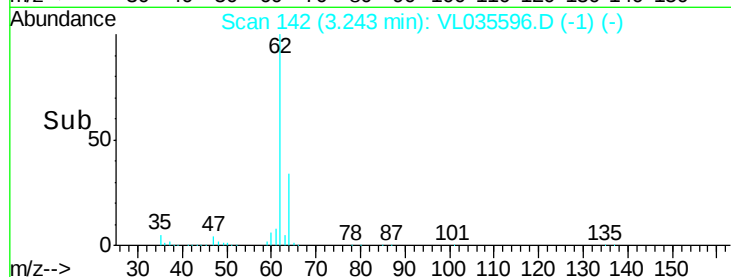
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.560 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL035596.D

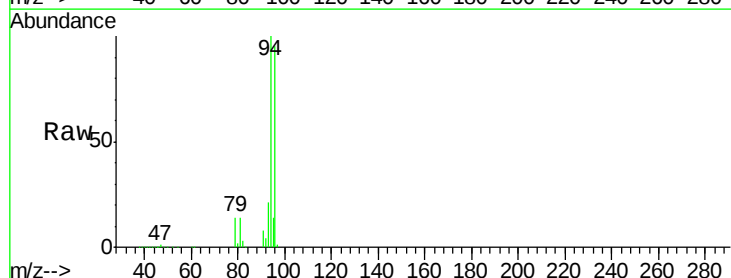
Acq: 14 Sep 2020 10:11

Tgt Ion: 94 Resp: 650873

Ion Ratio Lower Upper

94 100

96 95.2 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

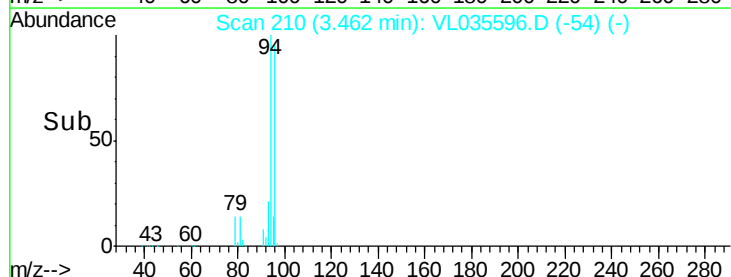
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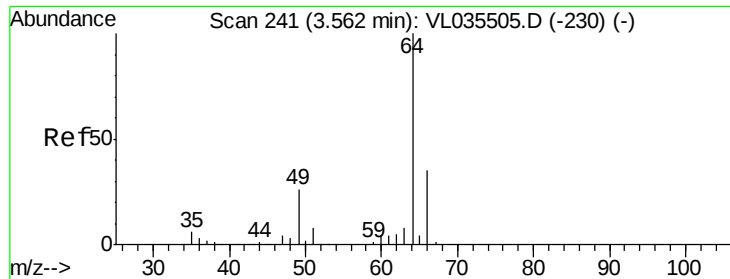
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100000

0

Time-->





#7

Chloroethane

Concen: 9.751 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 279431

Ion Ratio Lower Upper

64 100

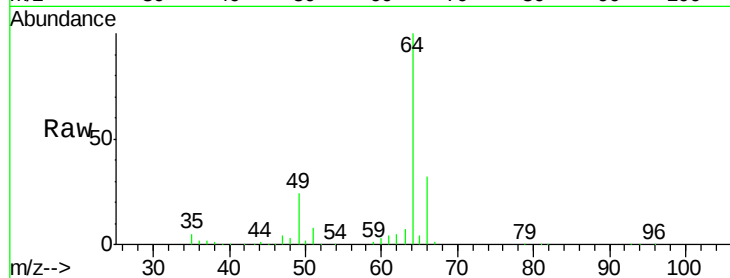
66 31.7 27.7 41.5

Manual Integrations

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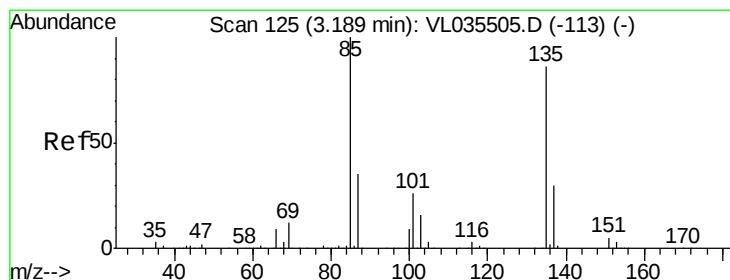
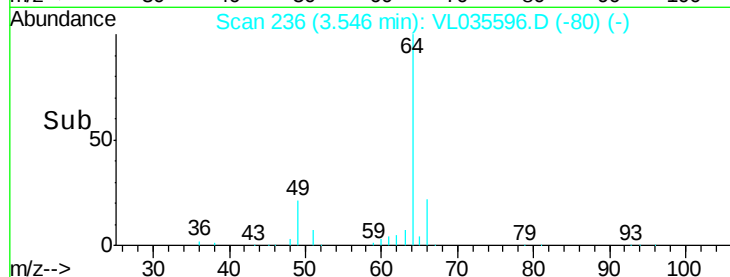
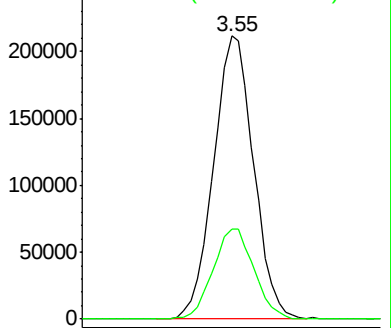
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.070 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL035596.D

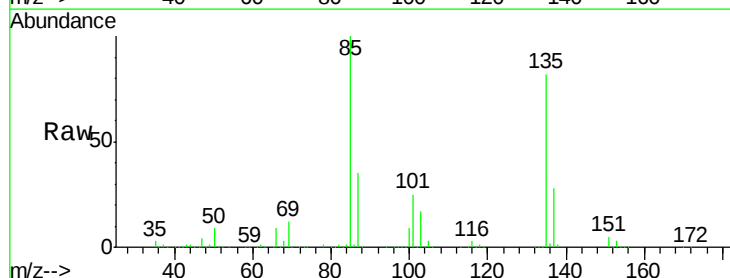
Acq: 14 Sep 2020 10:11

Tgt Ion: 85 Resp: 2112014

Ion Ratio Lower Upper

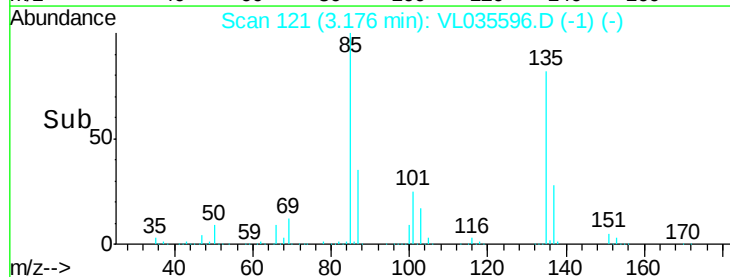
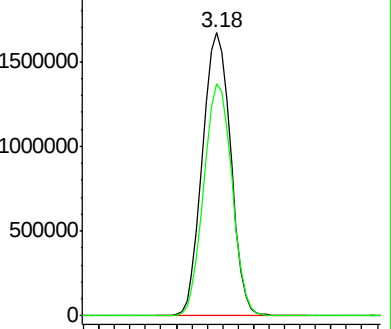
85 100

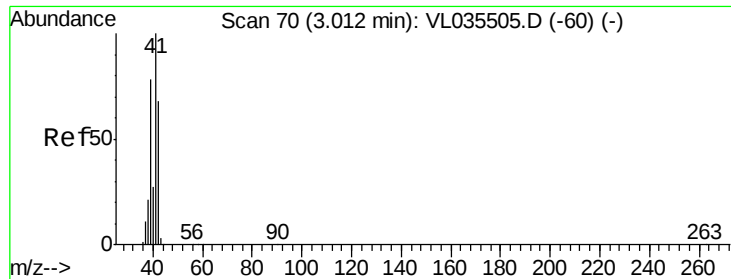
135 82.2 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.521 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 450415

Ion Ratio Lower Upper

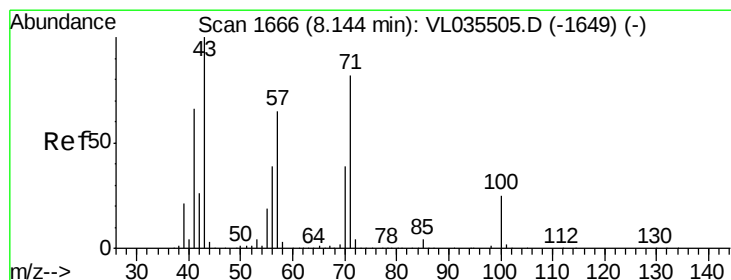
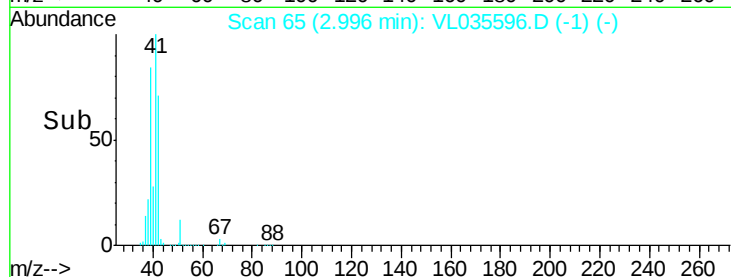
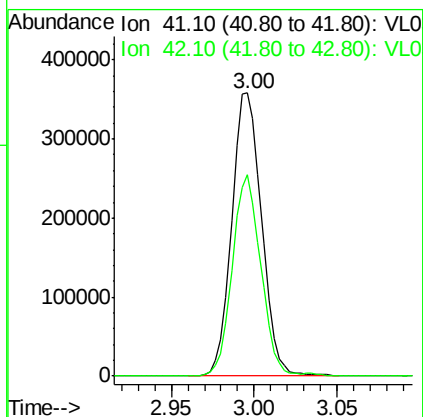
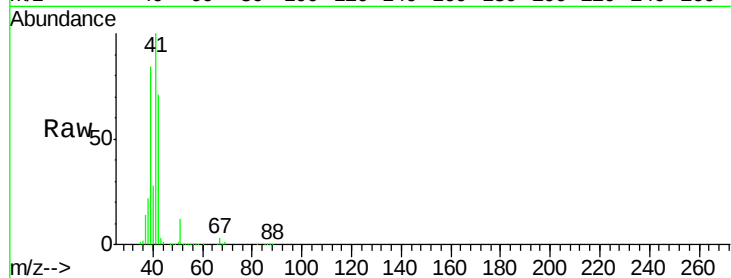
41 100

42 68.3 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 10.063 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035596.D

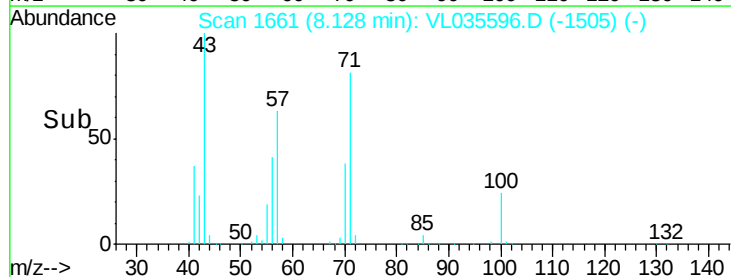
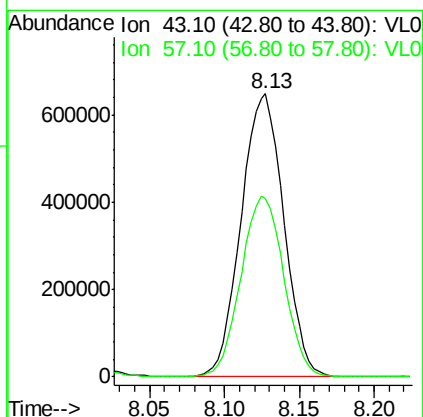
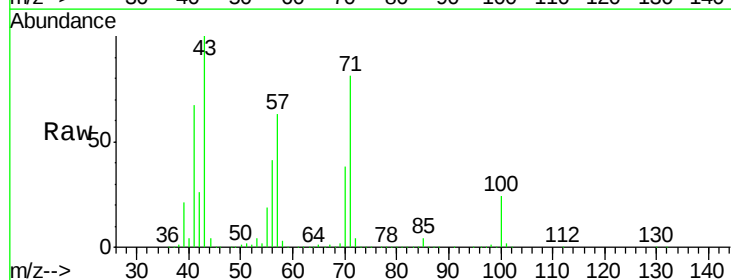
Acq: 14 Sep 2020 10:11

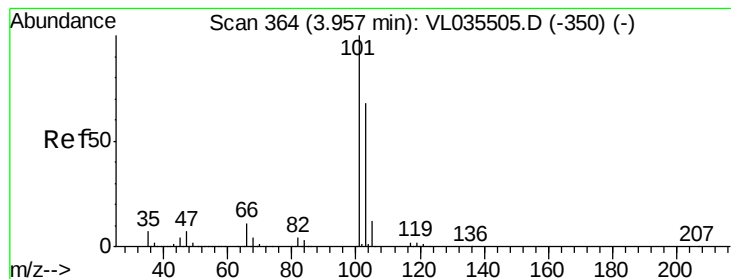
Tgt Ion: 43 Resp: 1278698

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.049 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2537303

Ion Ratio Lower Upper

101 100

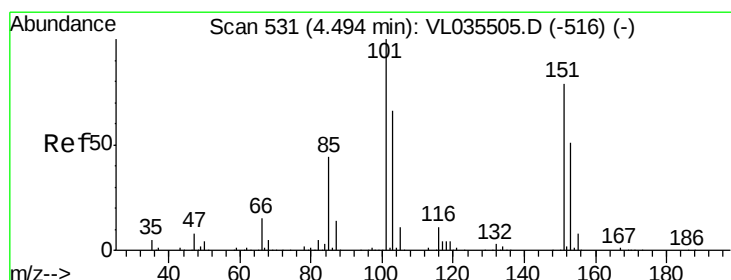
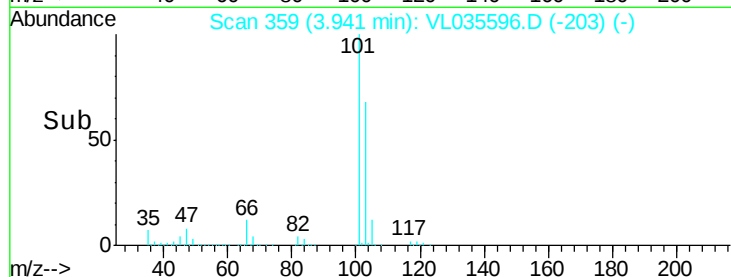
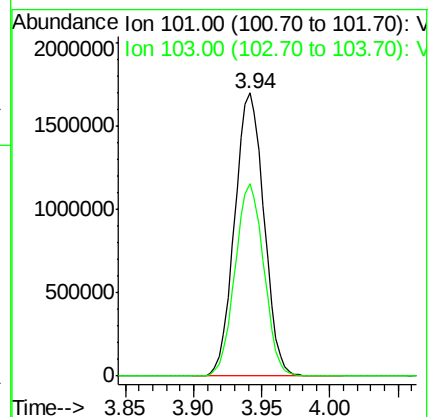
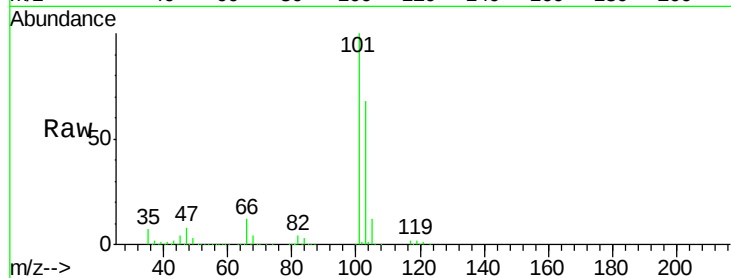
103 67.8 54.5 81.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.043 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL035596.D

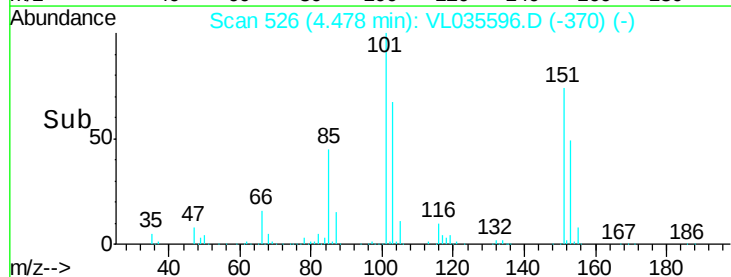
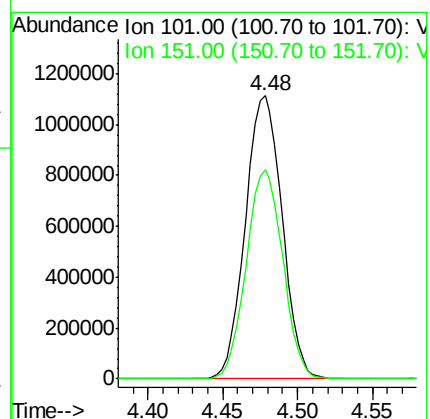
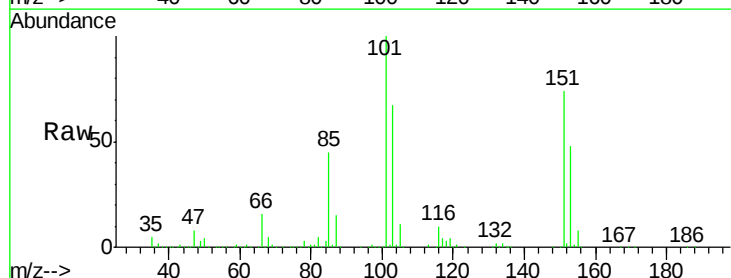
Acq: 14 Sep 2020 10:11

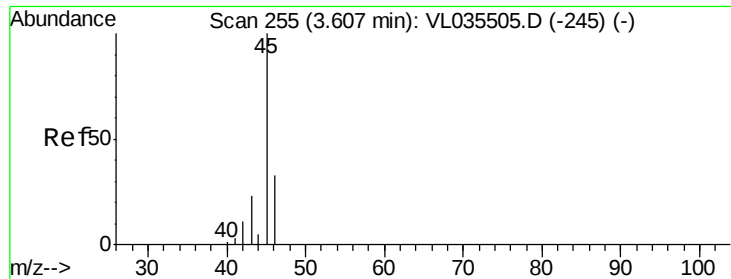
Tgt Ion:101 Resp: 1913926

Ion Ratio Lower Upper

101 100

151 73.3 63.5 95.3





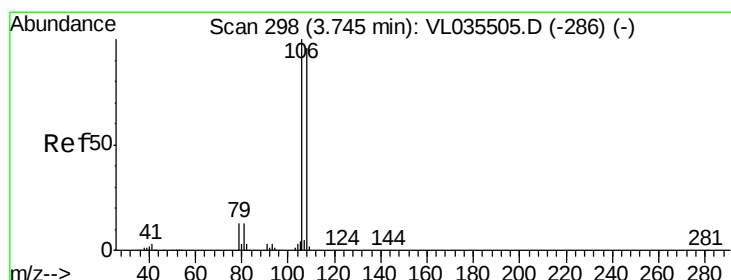
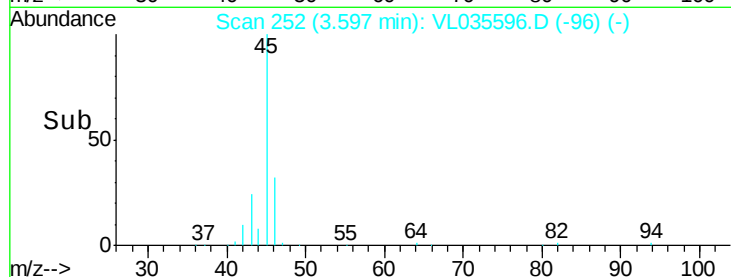
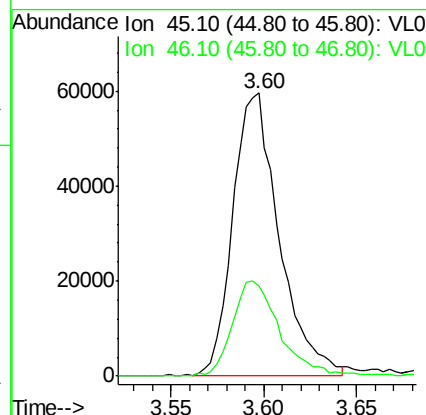
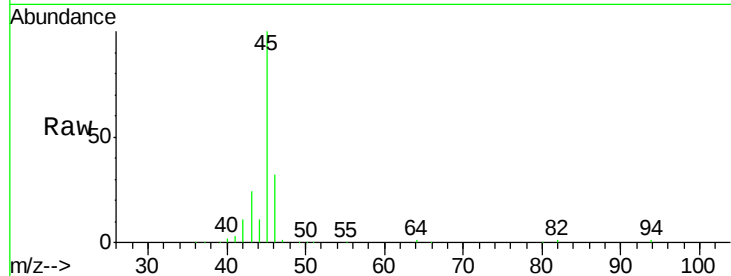
#13
Ethanol
Concen: 8.728 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 102376
Ion Ratio Lower Upper
45 100
46 35.2 15.2 60.6

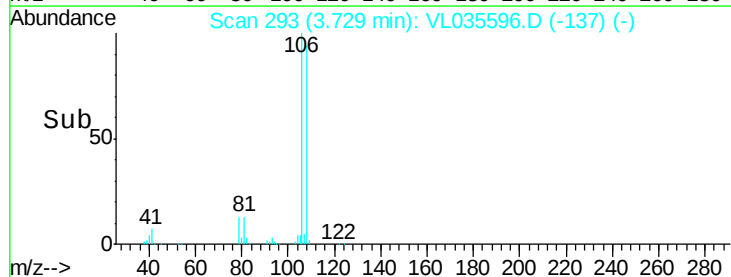
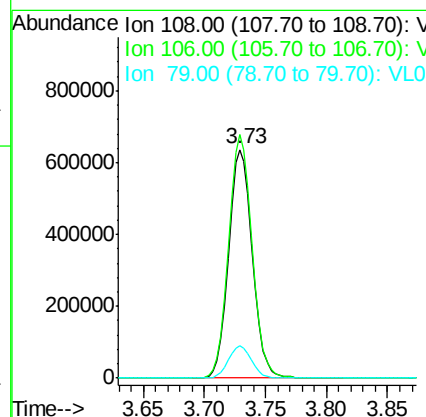
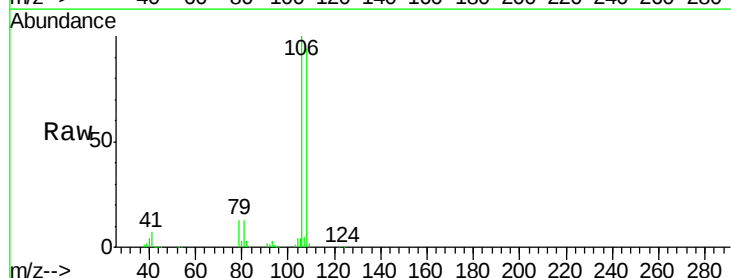
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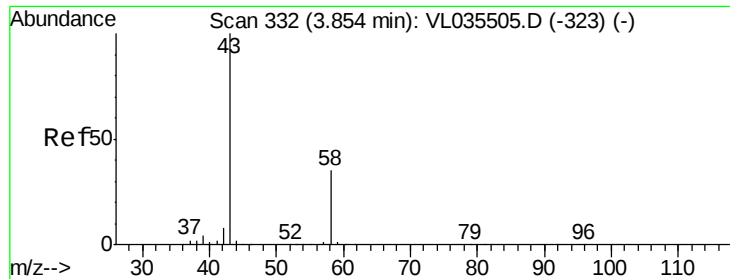
MMDadoda
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#14
Bromoethene
Concen: 9.569 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 108 Resp: 871669
Ion Ratio Lower Upper
108 100
106 105.9 84.9 127.3
79 14.1 10.8 16.2





#15

Acetone

Concen: 8.321 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1018257

Ion Ratio Lower Upper

43 100

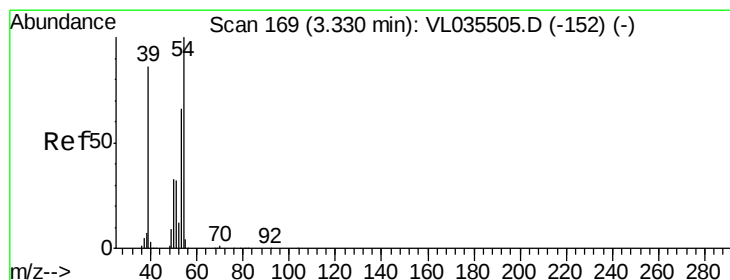
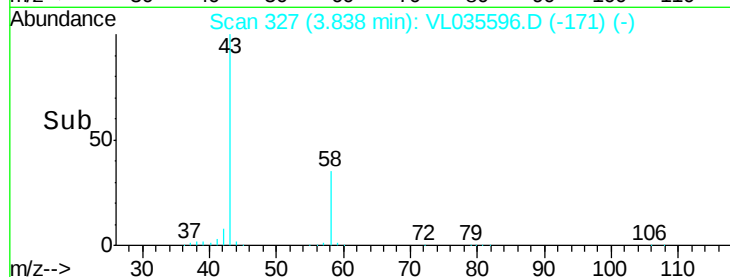
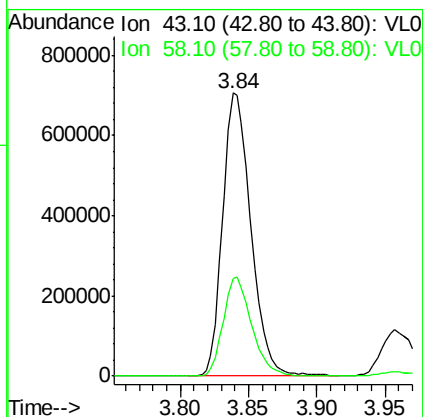
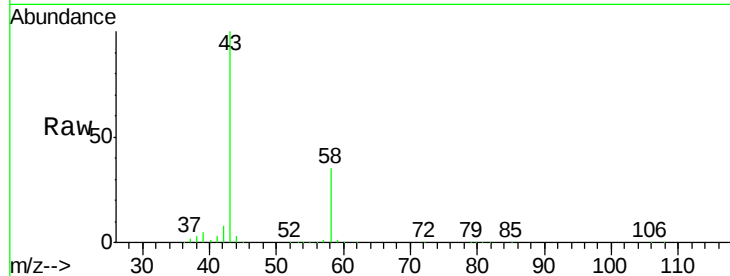
58 35.2 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.014 ppbv

RT: 3.32 min Scan# 165

Delta R.T. 0.00 min

Lab File: VL035596.D

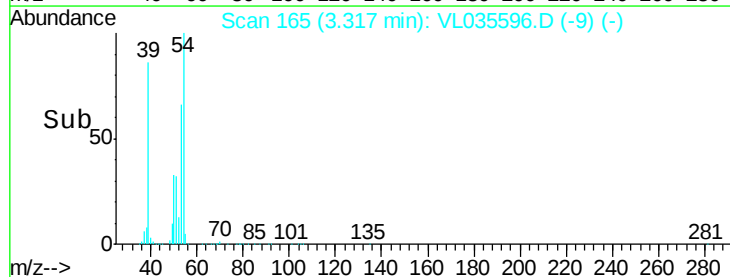
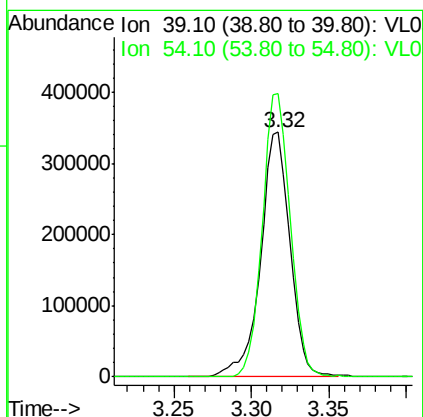
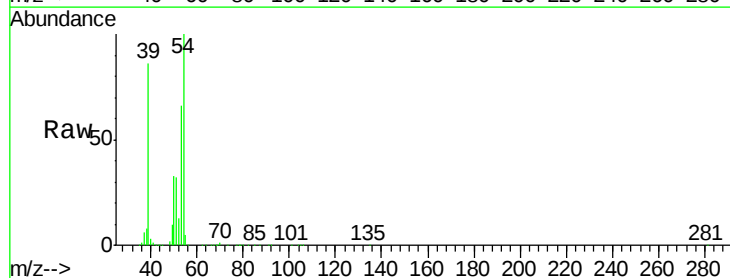
Acq: 14 Sep 2020 10:11

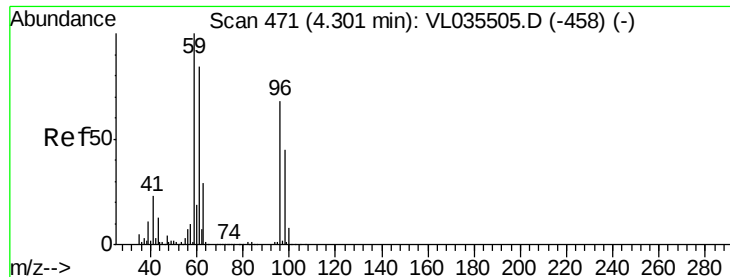
Tgt Ion: 39 Resp: 456180

Ion Ratio Lower Upper

39 100

54 110.1 88.4 132.6





#17

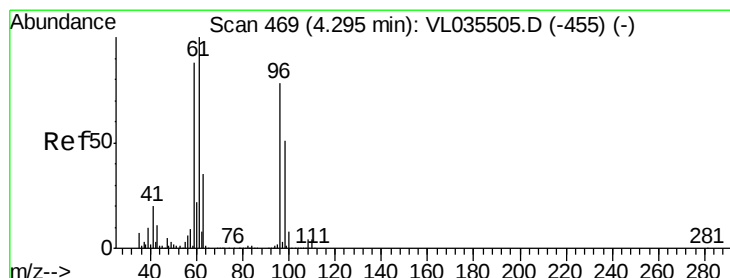
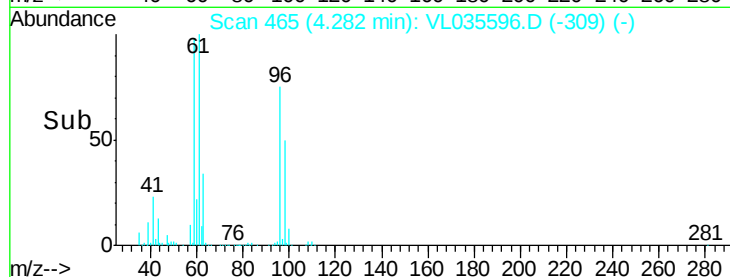
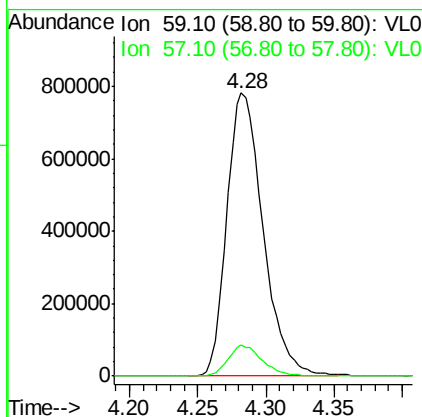
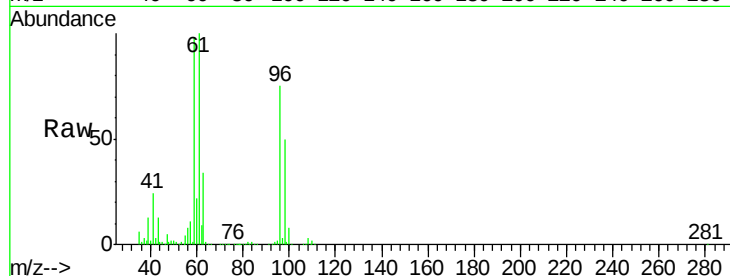
tert-Butyl alcohol
Concen: 9.693 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1443837
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

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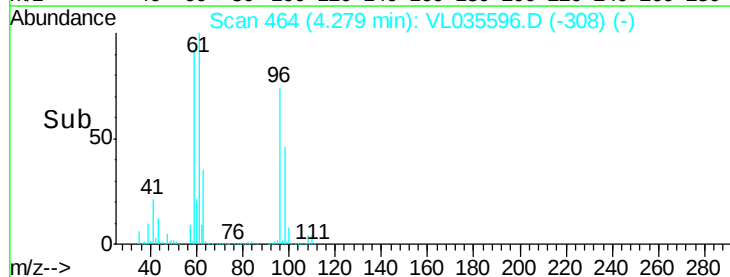
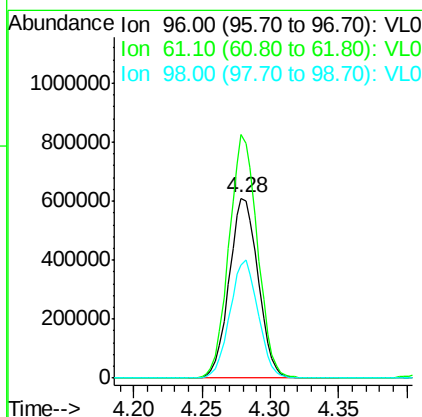
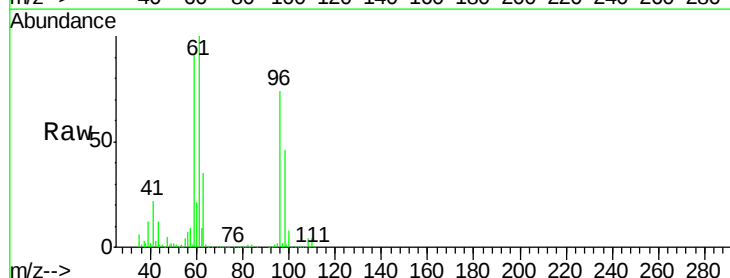
MMDadoda
9/17/2020 5:39:56 PM

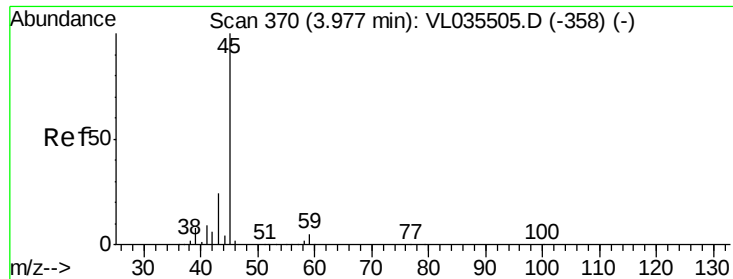


#18

1,1-Dichloroethene
Concen: 9.682 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 96 Resp: 902335
Ion Ratio Lower Upper
96 100
61 135.2 103.0 154.6
98 62.8 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.608 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 701431

Ion Ratio Lower Upper

45 100

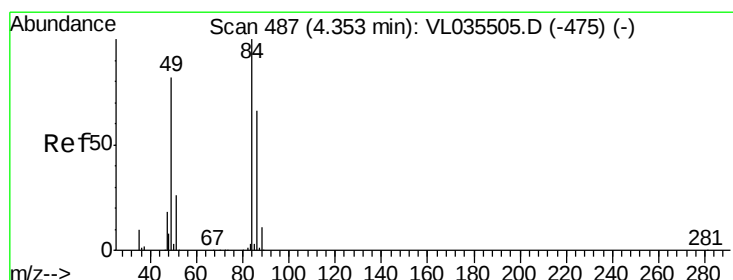
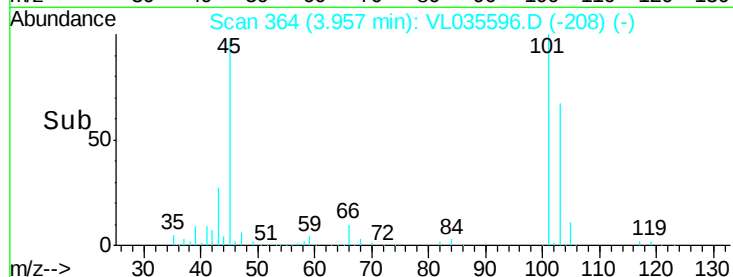
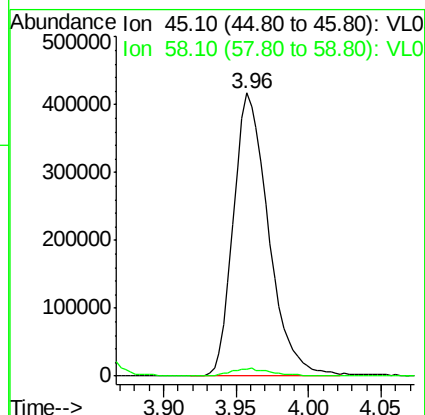
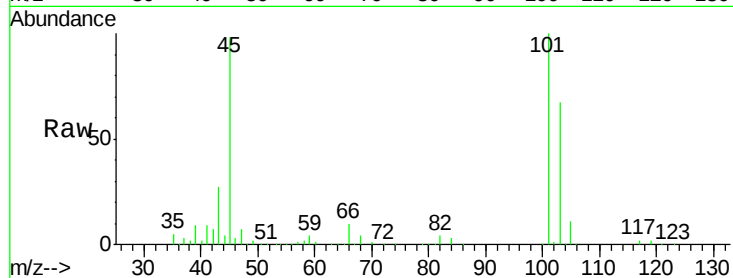
58 3.5 2.0 3.0#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.784 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion: 84 Resp: 800603

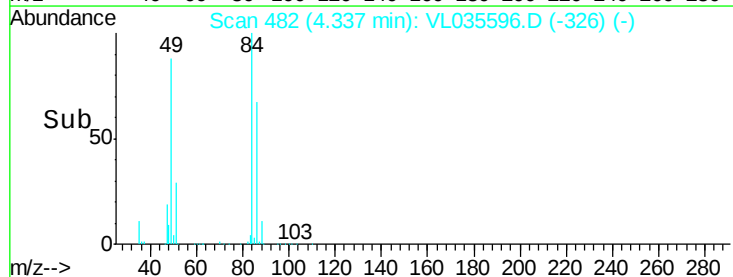
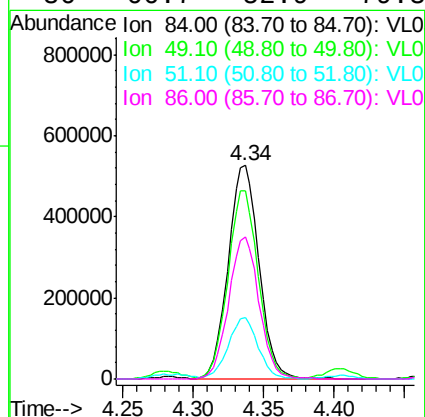
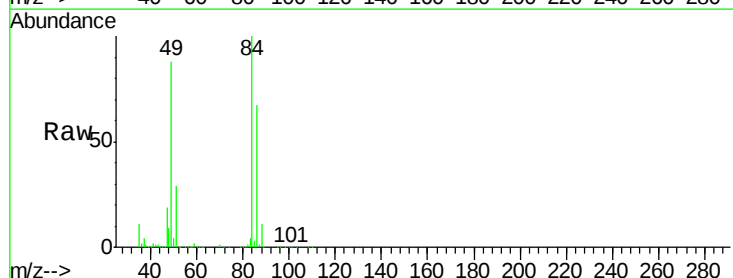
Ion Ratio Lower Upper

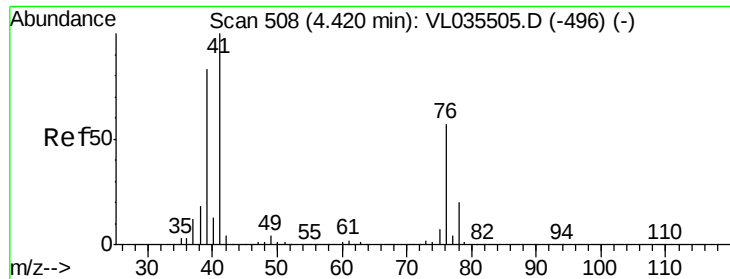
84 100

49 87.7 65.4 98.0

51 27.9 21.5 32.3

86 66.7 52.9 79.3





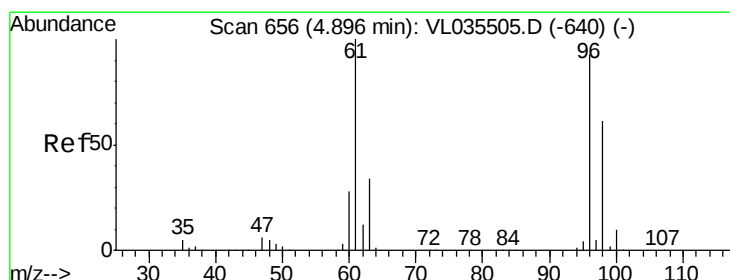
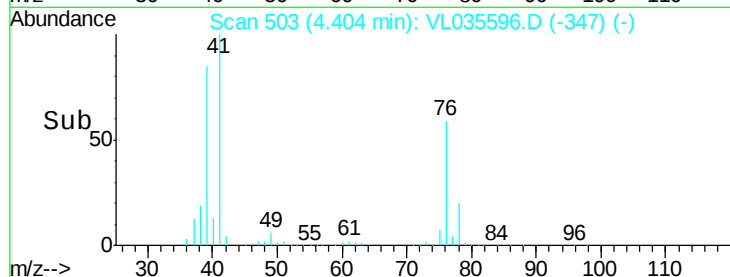
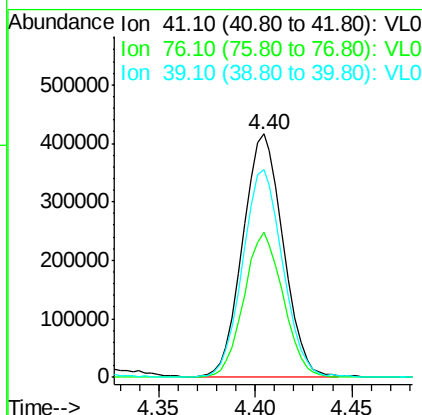
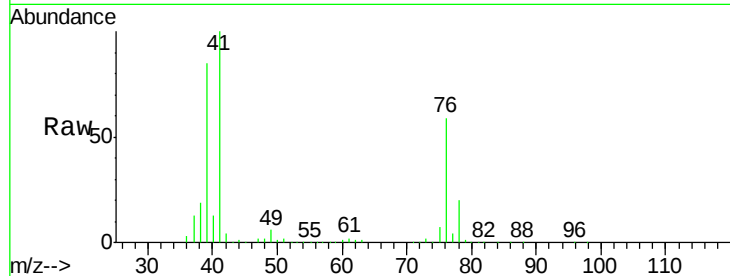
#21
Allvl Chloride
Concen: 10.496 ppbv
RT: 4.40 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.4	46.2	69.2
39	85.6	67.8	101.6

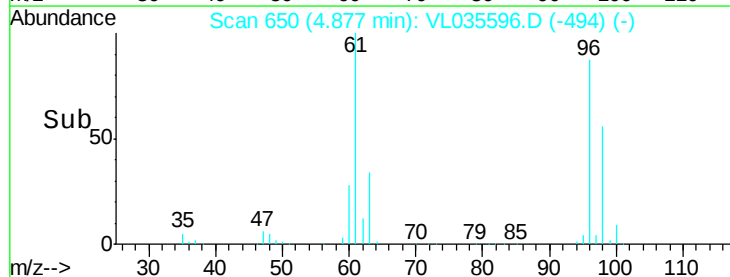
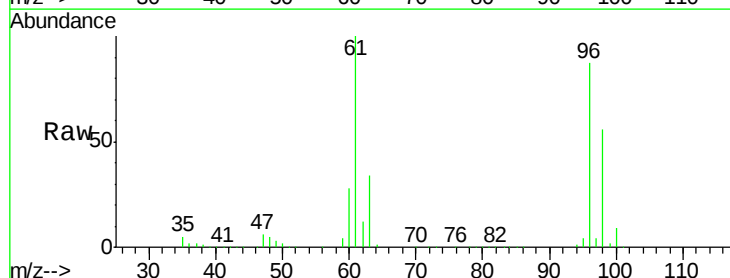
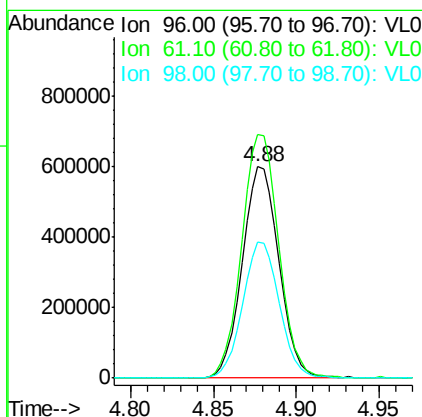
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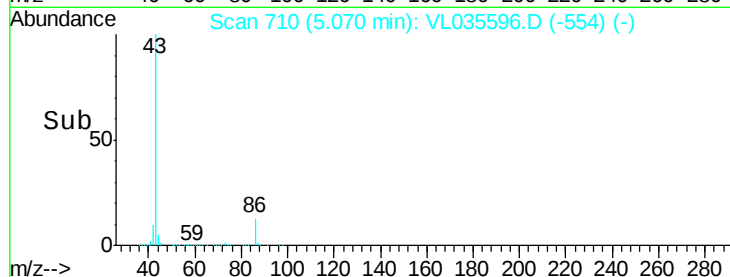
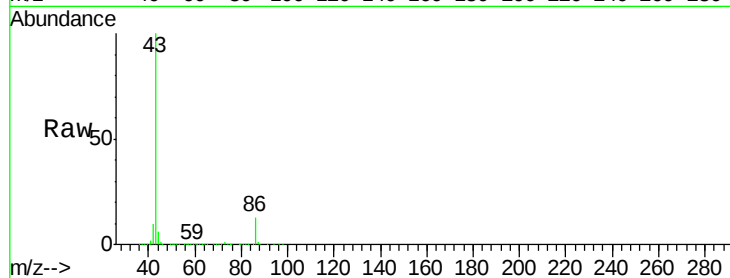
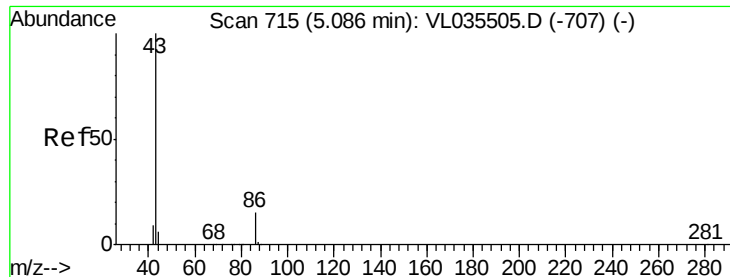
MMDadoda
9/17/2020 5:39:56 PM



#22
trans-1,2-Dichloroethene
Concen: 9.333 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	115.3	86.0	129.0
98	64.2	52.3	78.5





#23

Vinyl Acetate

Concen: 9.746 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tot Ion: 43 Resp: 1530692

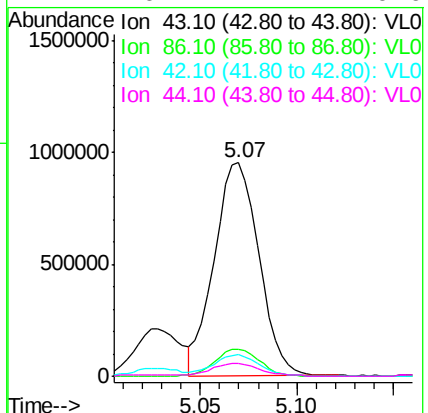
Ion Ratio Lower Upper

43 100

86 12.9 10.6 16.0

42 10.1 7.5 11.3

44 6.1 4.4 6.6



Instrument :

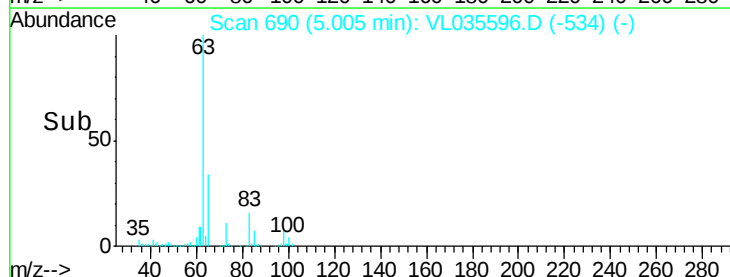
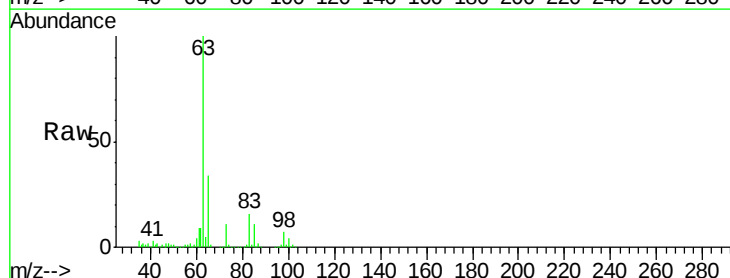
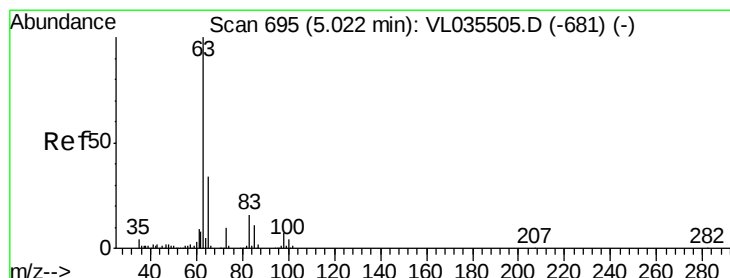
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 9.450 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

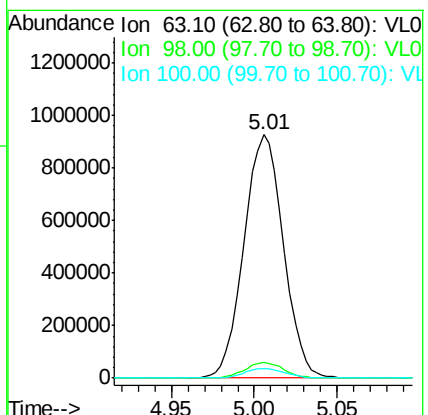
Tgt Ion: 63 Resp: 1527449

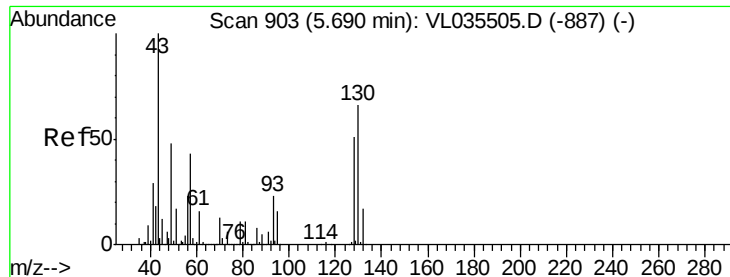
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.0 2.1 6.5





#25

Ethyl Acetate

Concen: 9.695 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2095973

Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

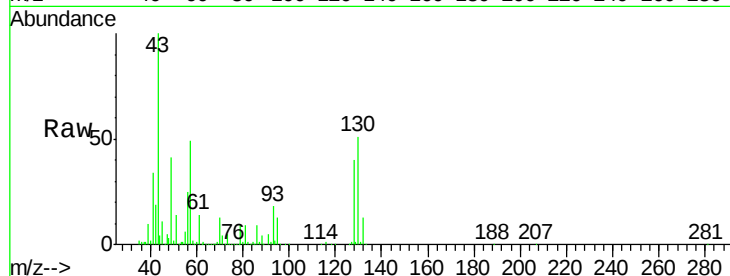
61 13.1 10.6 16.0

70 11.3 9.4 14.2

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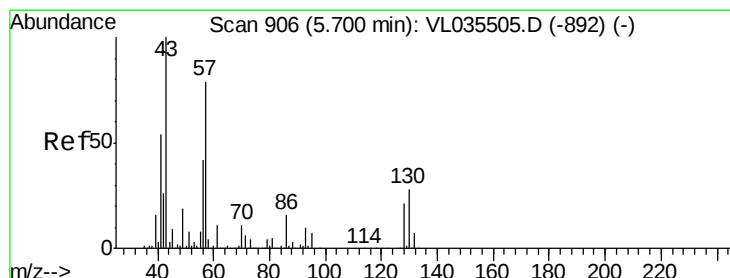
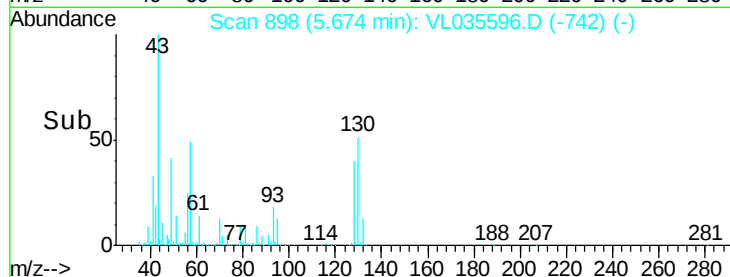
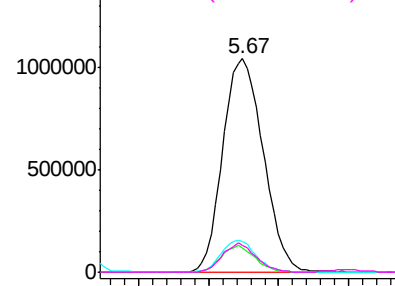


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.841 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion: 57 Resp: 1205456

Ion Ratio Lower Upper

57 100

41 71.6 55.9 83.9

43 174.7 141.8 212.8

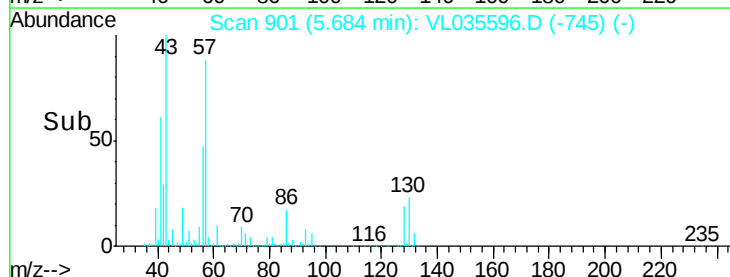
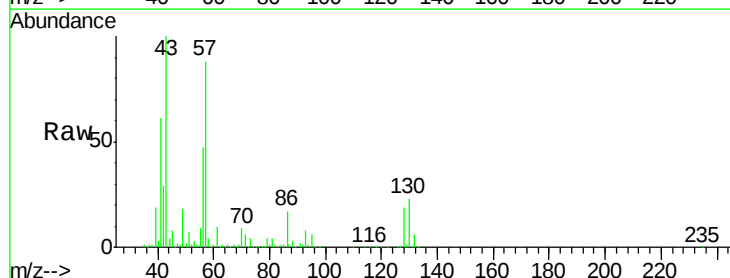
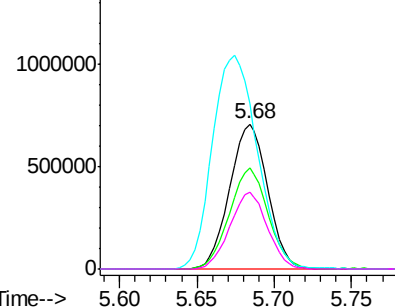
56 52.8 41.8 62.8

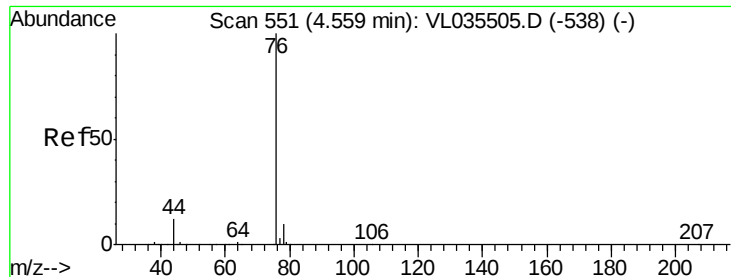
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.126 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1955759

Ion Ratio Lower Upper

76 100

44 11.7 9.3 13.9

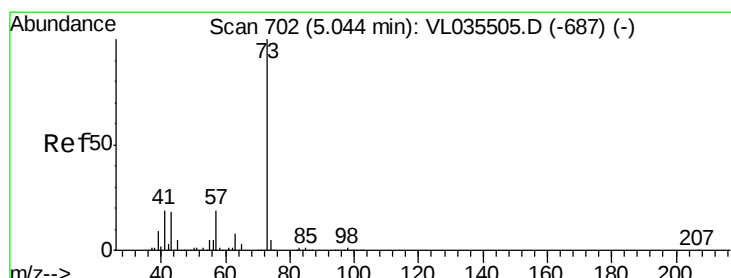
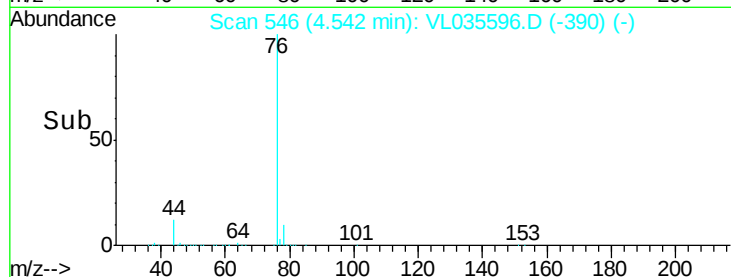
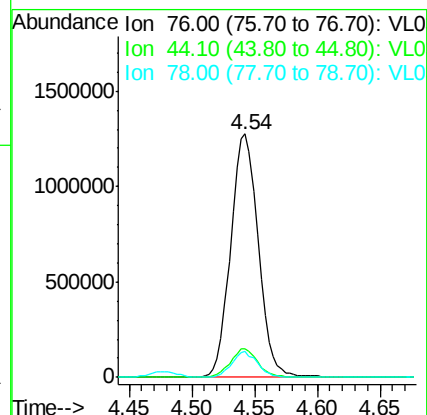
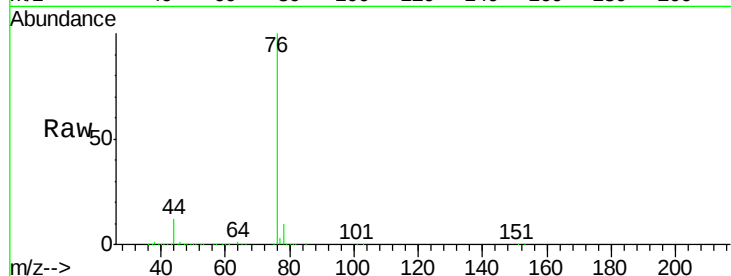
78 9.6 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.514 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL035596.D

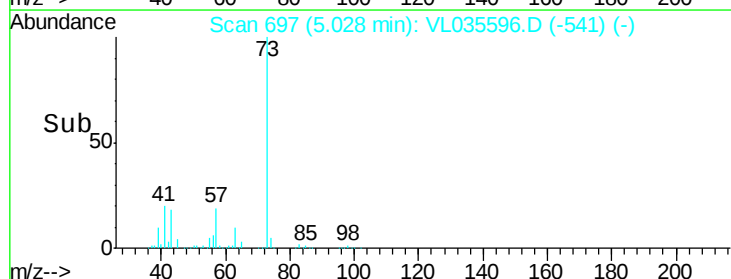
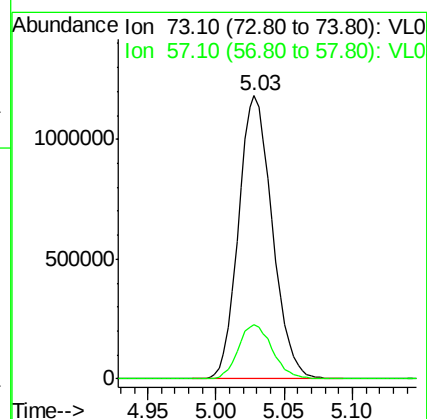
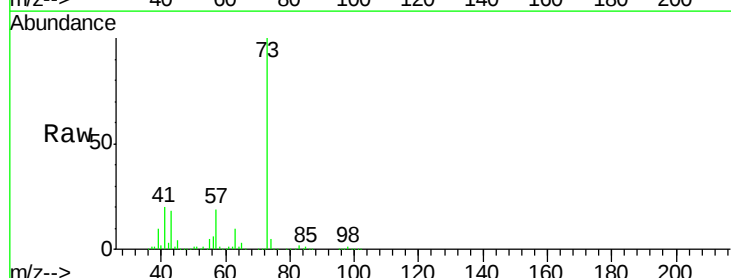
Acq: 14 Sep 2020 10:11

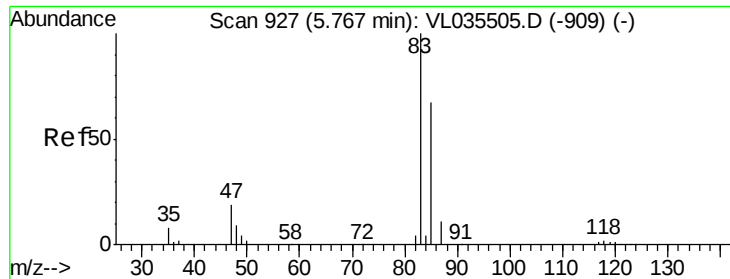
Tgt Ion: 73 Resp: 2031143

Ion Ratio Lower Upper

73 100

57 19.4 15.2 22.8





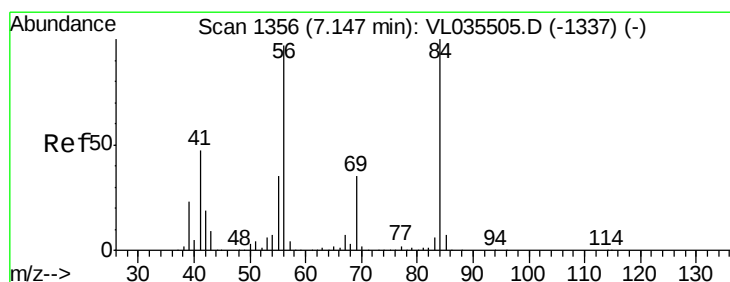
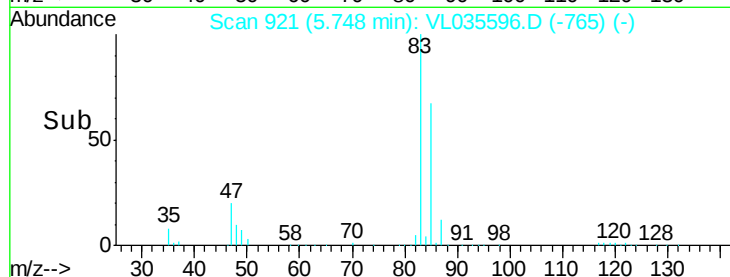
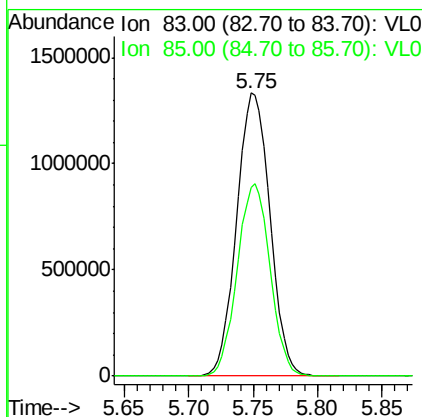
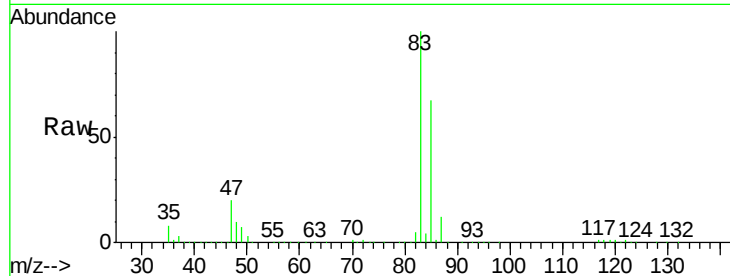
#29
Chloroform
Concen: 9.623 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2401581
Ion Ratio Lower Upper
83 100
85 66.4 53.9 80.9

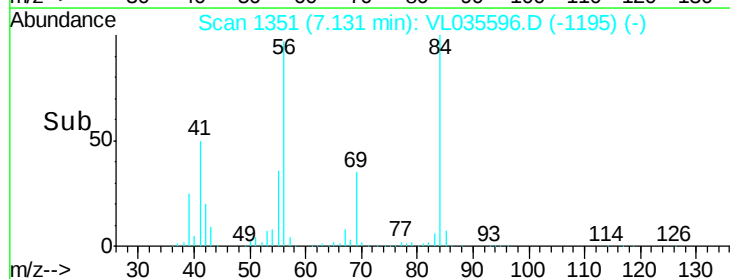
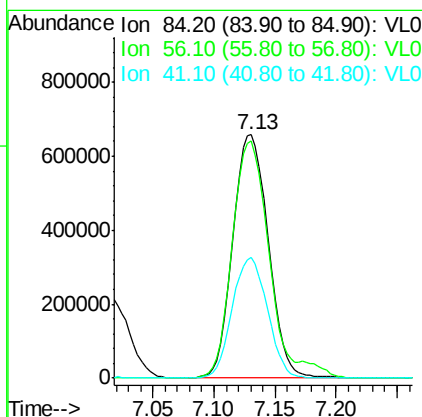
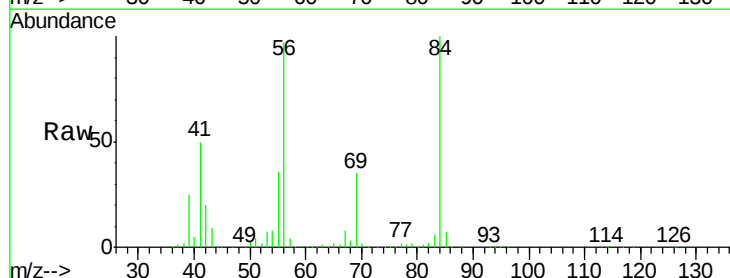
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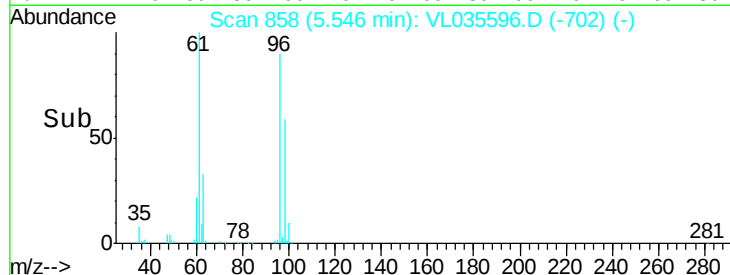
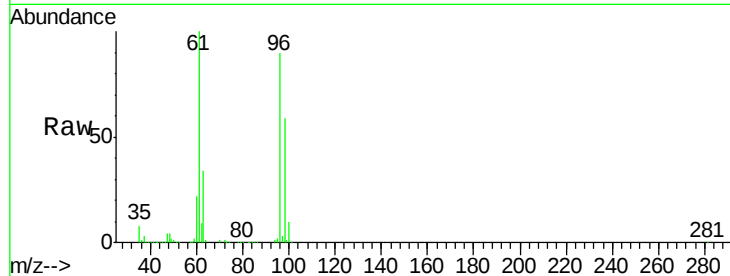
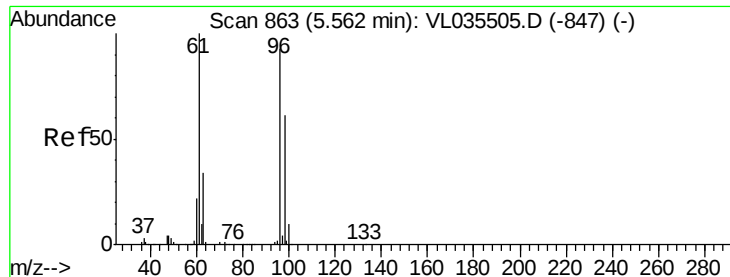
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#30
Cyclohexane
Concen: 10.094 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 84 Resp: 1324512
Ion Ratio Lower Upper
84 100
56 102.7 80.1 120.1
41 49.5 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 9.998 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tot Ion	61	Resp	1256465
Ion	Ratio	Lower	Upper
61	100		
96	89.8	74.4	111.6
98	59.0	49.2	73.8

Instrument :

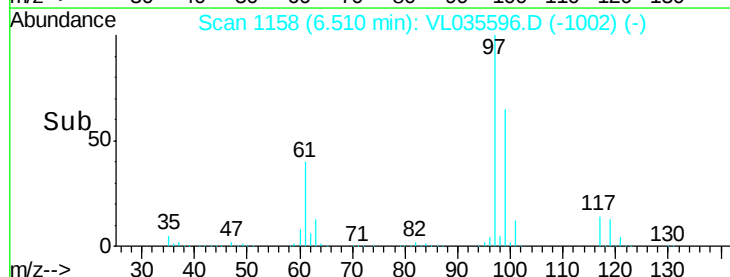
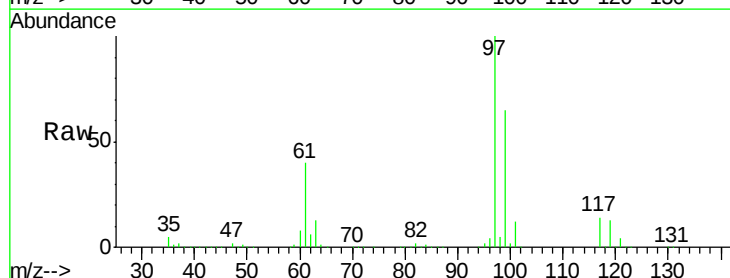
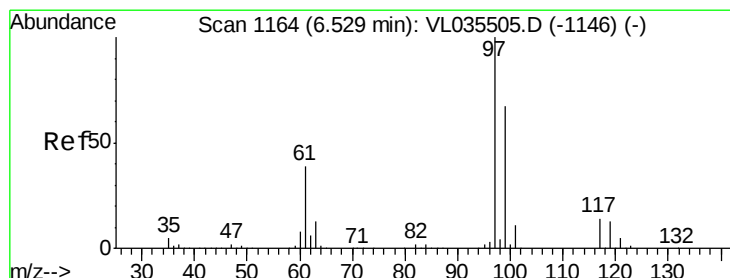
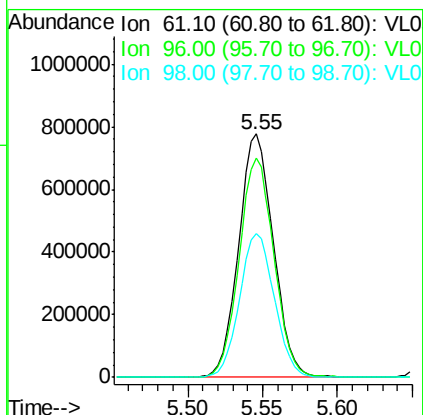
MSVOA_L

ClientSampleId :

VSTDCCC010

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#32

1,1,1-Trichloroethane

Concen: 9.659 ppbv

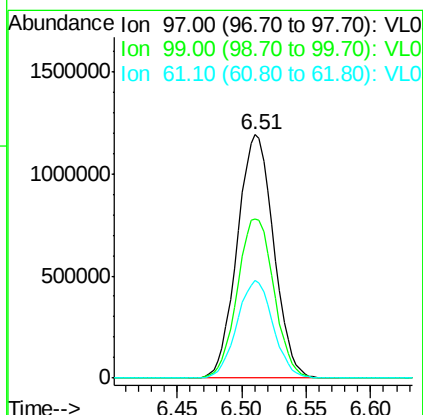
RT: 6.51 min Scan# 1158

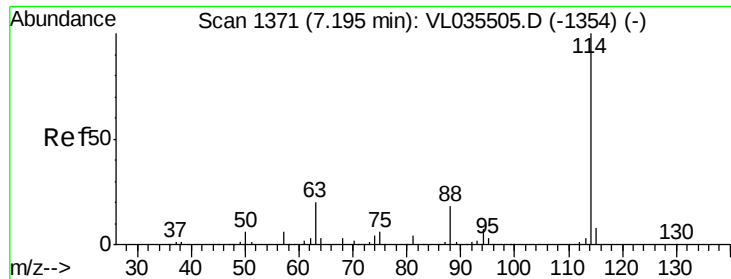
Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion	97	Resp	2338456
Ion	Ratio	Lower	Upper
97	100		
99	65.9	53.3	79.9
61	39.9	30.6	46.0





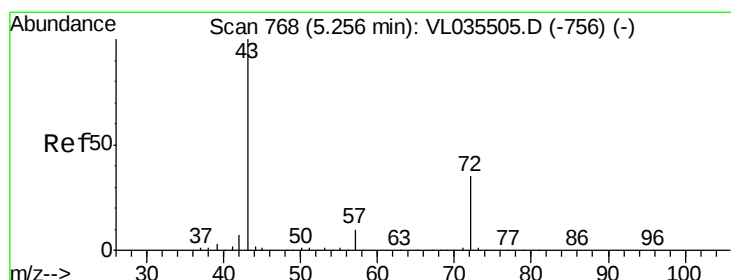
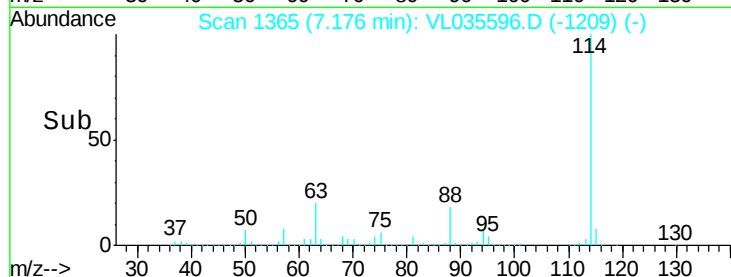
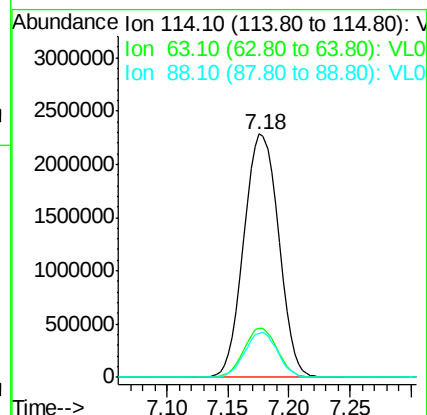
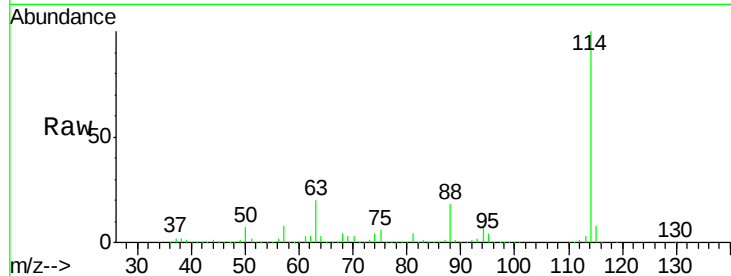
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4509345
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.7 22.1
 88 17.3 13.4 20.2

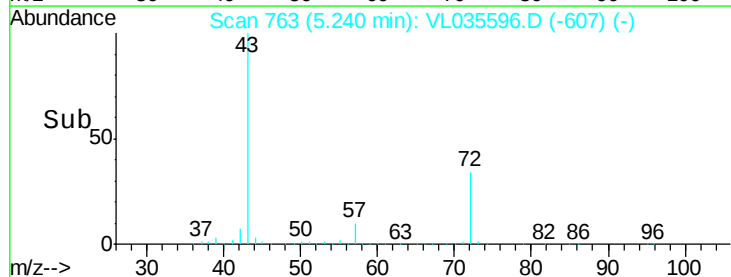
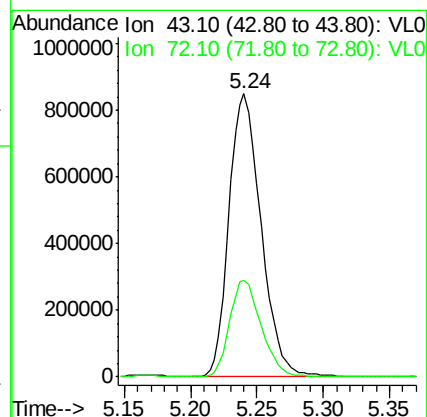
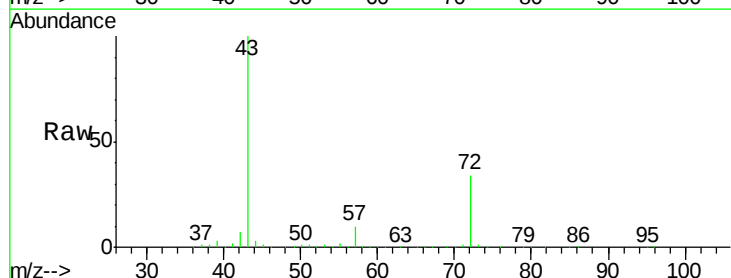
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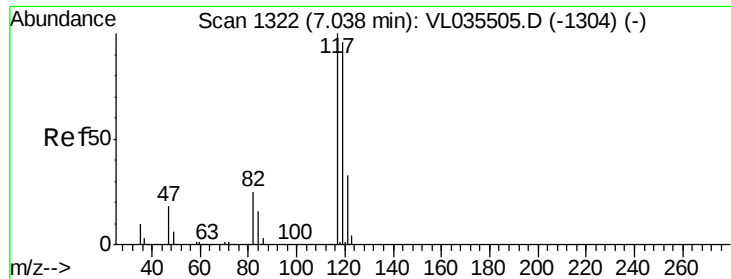
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#34
 2-Butanone
 Concen: 10.676 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Tgt Ion: 43 Resp: 1428653
 Ion Ratio Lower Upper
 43 100
 72 33.8 27.7 41.5





#35

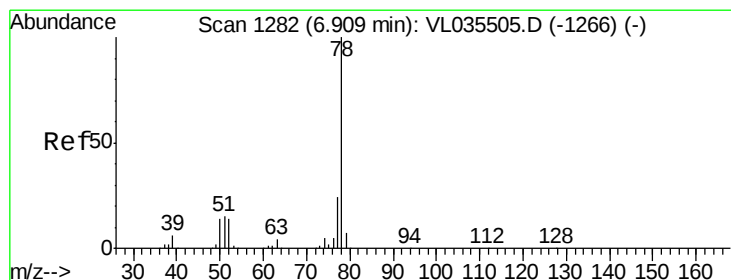
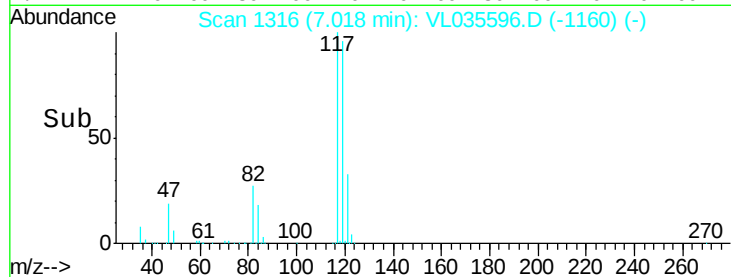
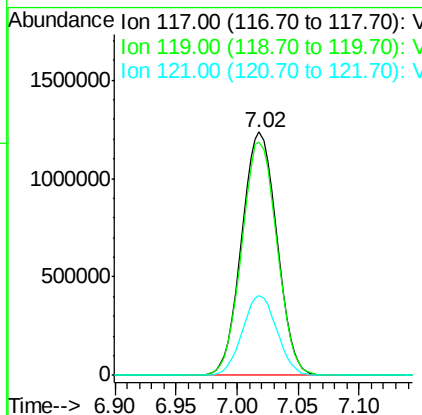
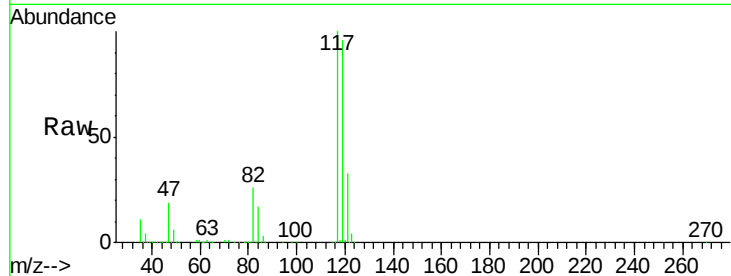
Carbon Tetrachloride
Concen: 10.857 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2460535
Ion Ratio Lower Upper
117 100
119 96.0 77.2 115.8
121 32.5 26.1 39.1

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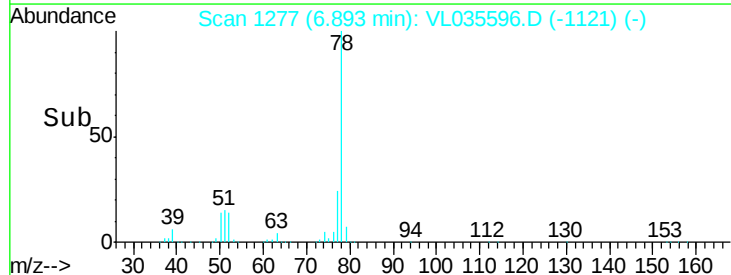
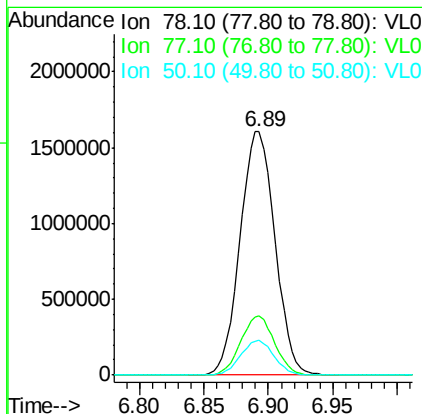
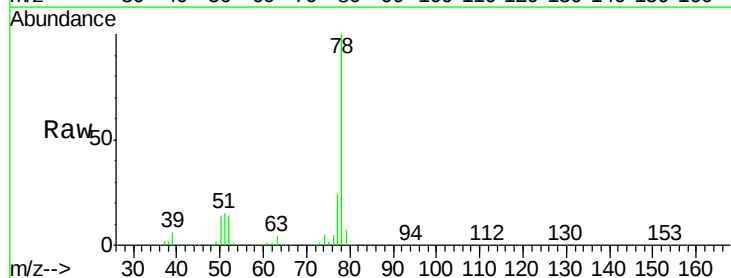
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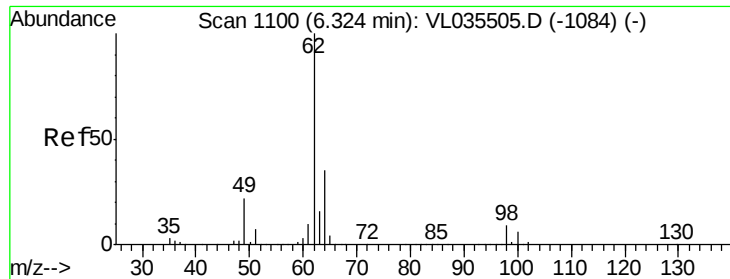


#36

Benzene
Concen: 10.377 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 78 Resp: 3029030
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9
50 14.2 11.0 16.6





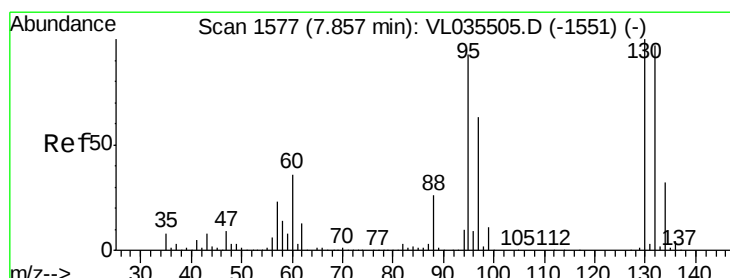
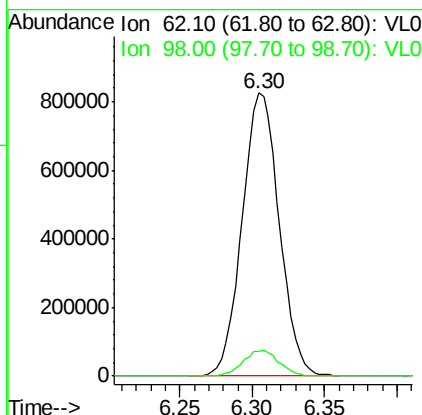
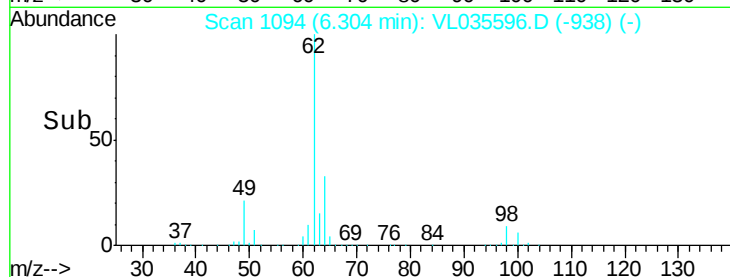
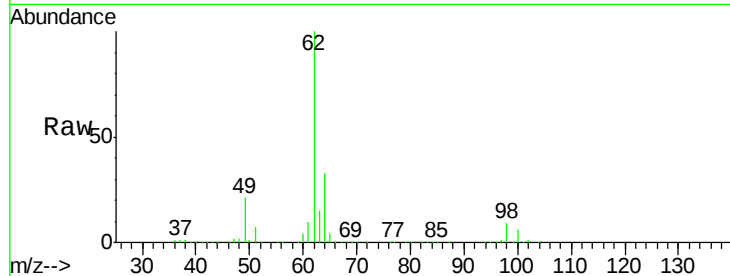
#37
 1,2-Dichloroethane
 Concen: 10.560 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1469579
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.4 11.0

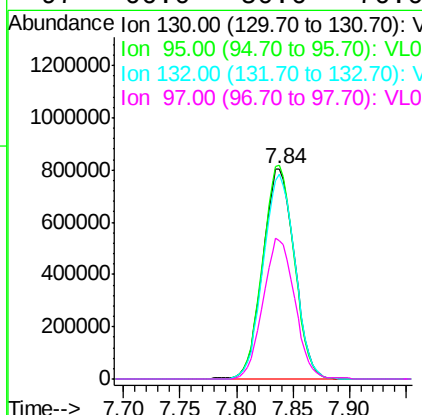
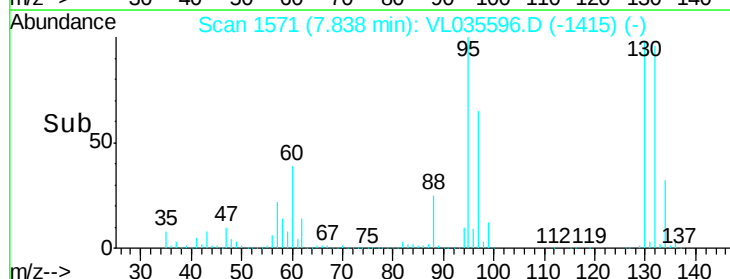
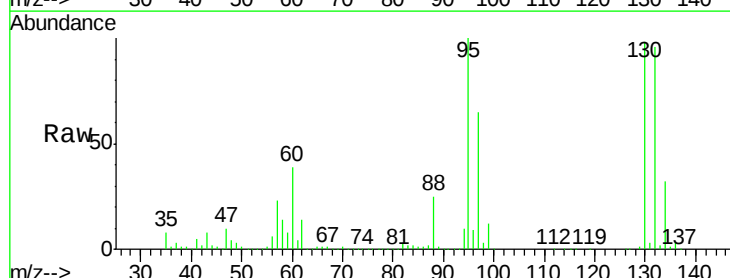
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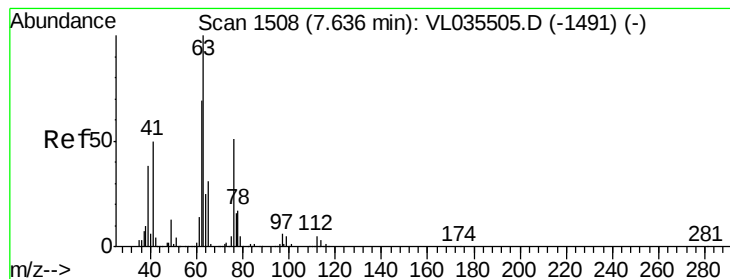
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#38
 Trichloroethene
 Concen: 9.269 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Tgt Ion: 130 Resp: 1571592
 Ion Ratio Lower Upper
 130 100
 95 101.6 74.6 112.0
 132 97.6 77.6 116.4
 97 66.0 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.468 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1032214

Ion Ratio Lower Upper

63 100

41 53.0 40.0 60.0

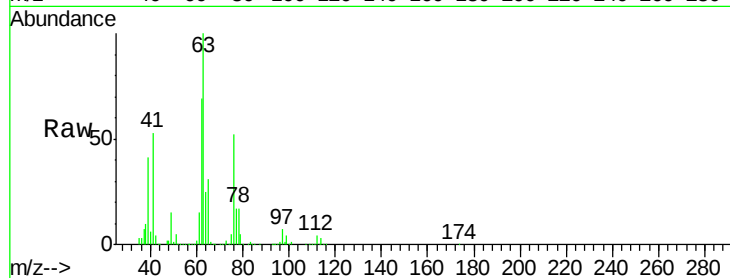
62 68.7 55.4 83.0

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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

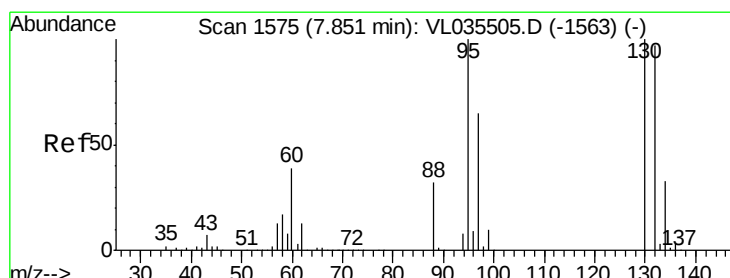
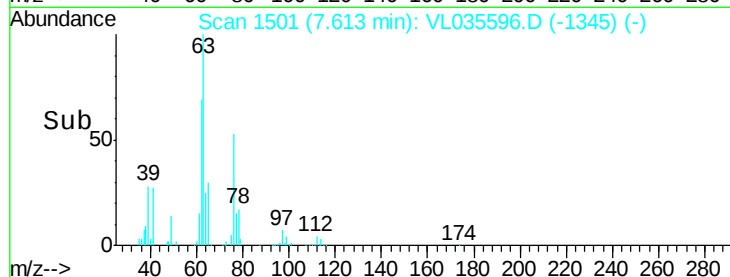
600000

400000

200000

0

Time-->



#40

1,4-Dioxane

Concen: 10.247 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion: 88 Resp: 504755

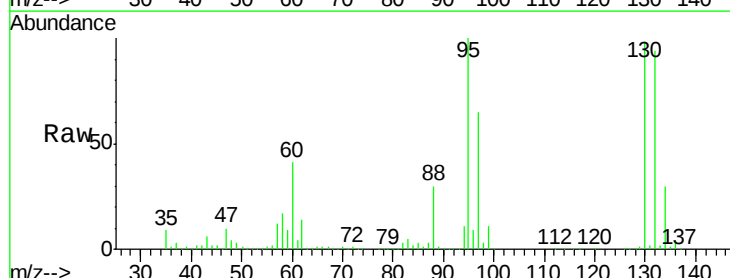
Ion Ratio Lower Upper

88 100

58 93.6 68.7 103.1

43 146.7 104.3 156.5

57 794.3 560.7 841.1



Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

2500000

2000000

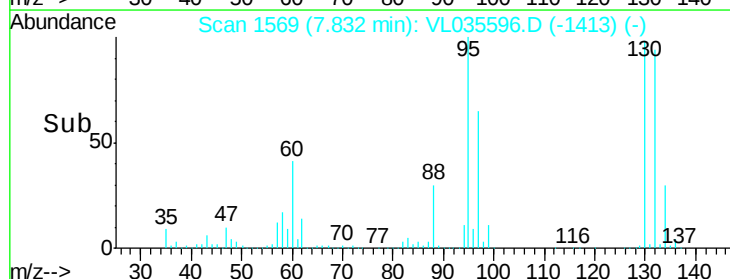
1500000

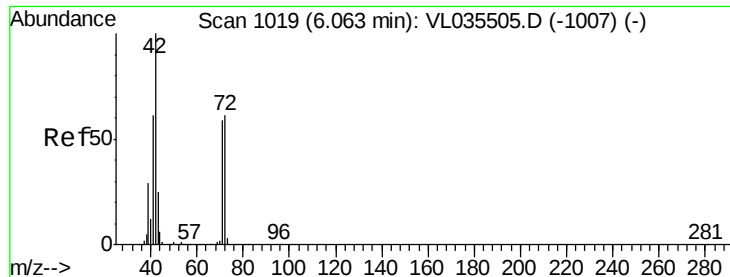
1000000

500000

0

Time-->





#41

Tetrahydrofuran

Concen: 11.358 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

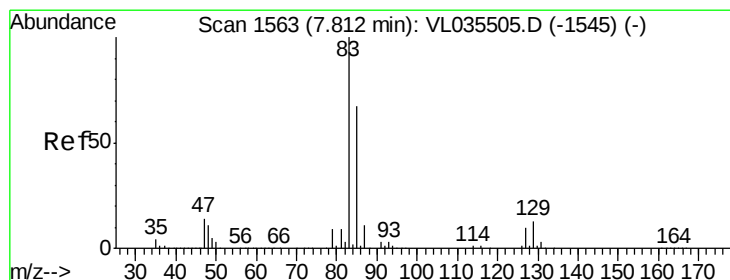
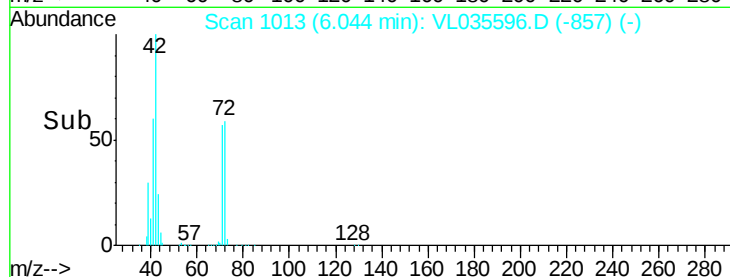
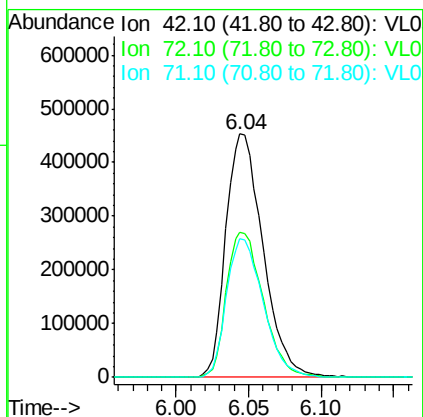
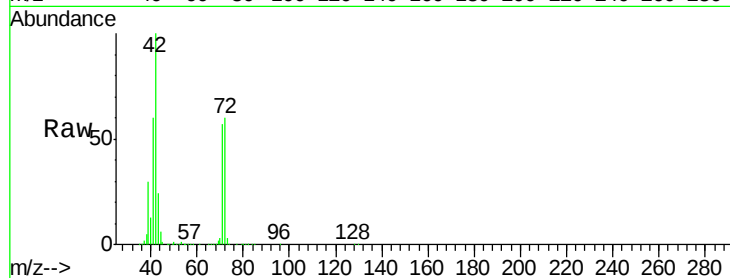
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	806000
Ion	Ratio	Lower	Upper
42	100		
72	59.3	48.6	73.0
71	56.6	46.1	69.1

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#42

Bromodichloromethane

Concen: 11.120 ppbv

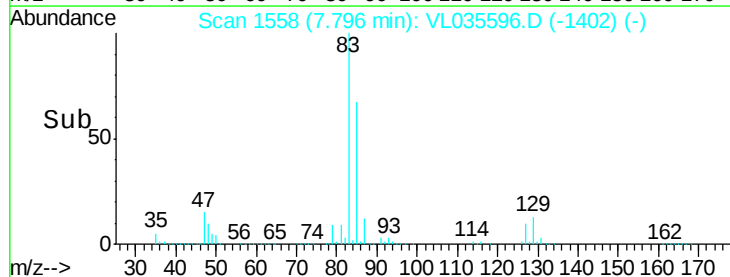
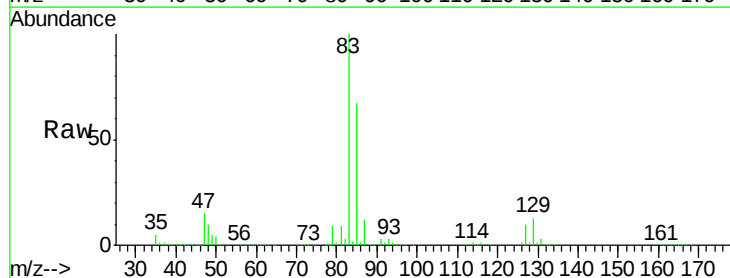
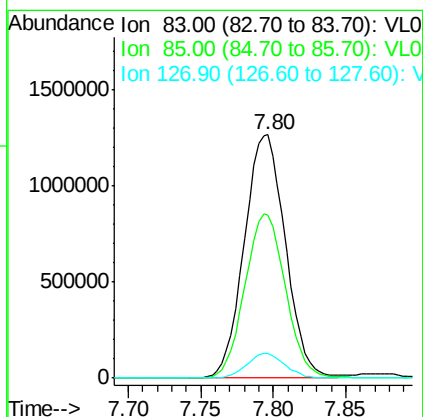
RT: 7.80 min Scan# 1558

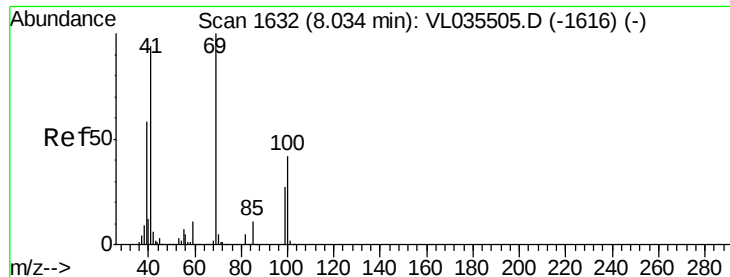
Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion:	83	Resp:	2502449
Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.7	80.5
127	10.0	8.1	12.1





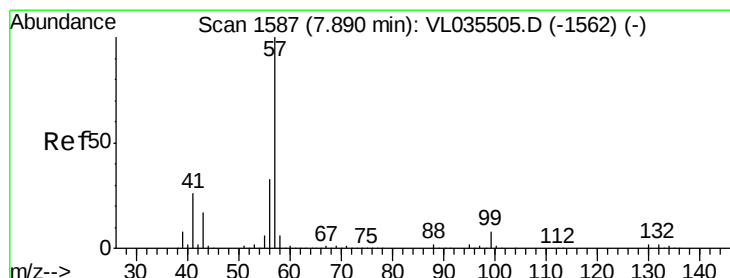
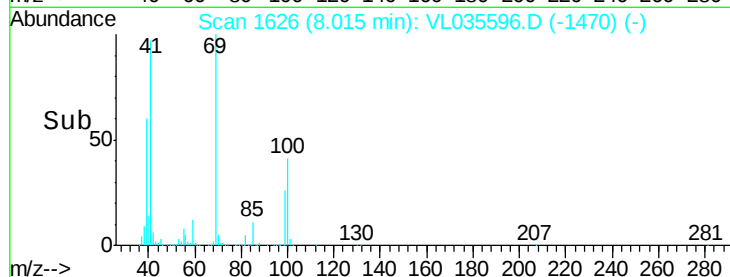
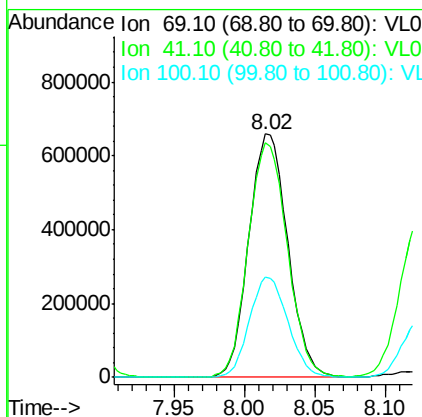
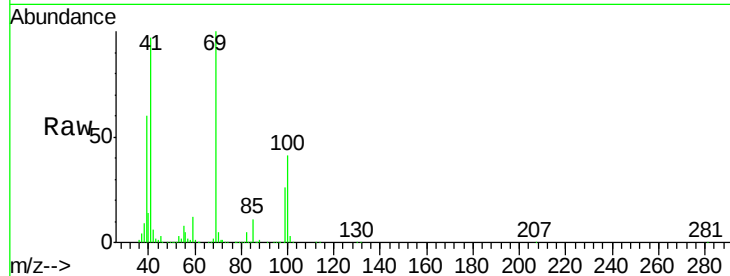
#43
Methvl Methacrilate
Concen: 11.284 ppbv
RT: 8.02 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1273592
Ion Ratio Lower Upper
69 100
41 97.3 76.6 114.8
100 40.7 33.8 50.6

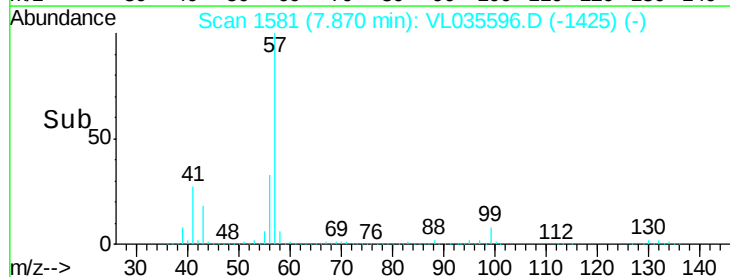
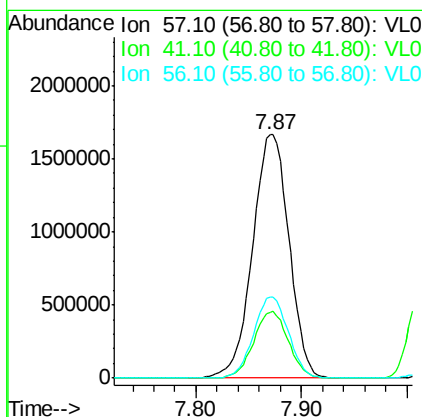
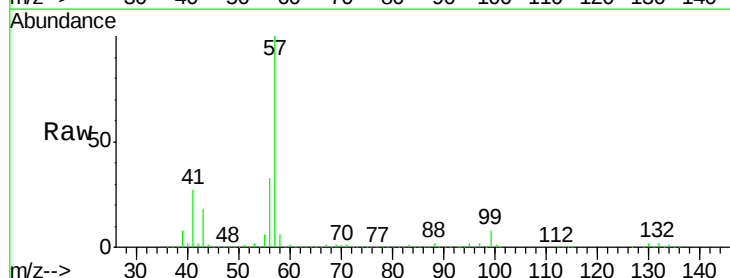
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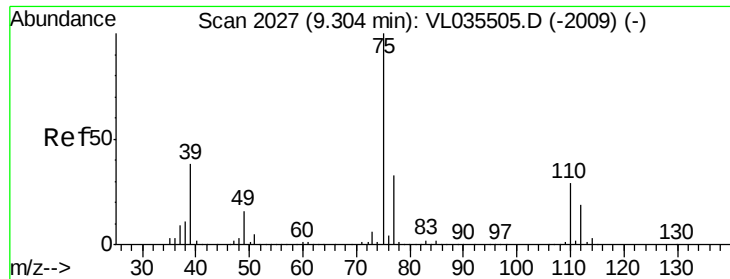
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.426 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 57 Resp: 4004490
Ion Ratio Lower Upper
57 100
41 26.2 20.5 30.7
56 31.8 25.3 37.9





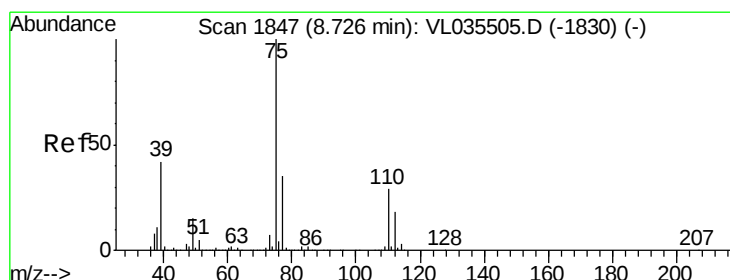
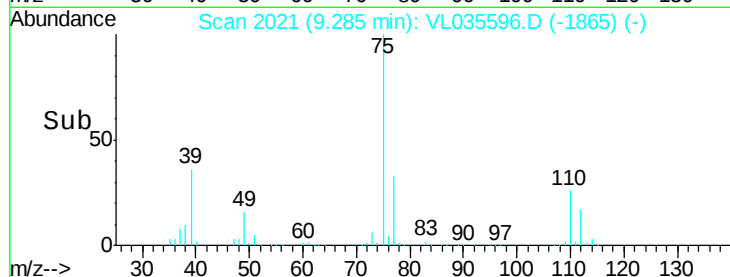
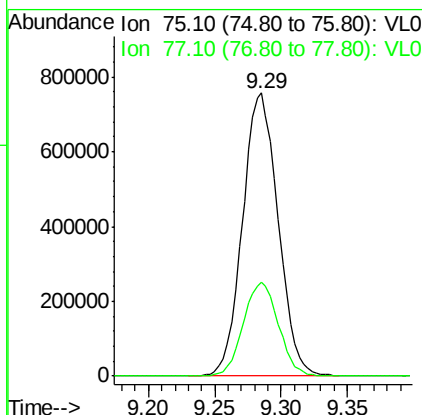
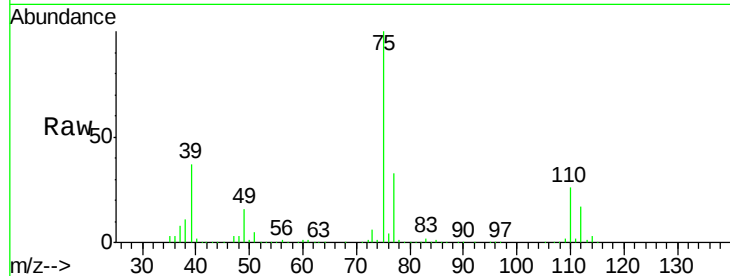
#45
t-1,3-Dichloropropene
Concen: 12.363 ppbv
RT: 9.29 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1413586
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7

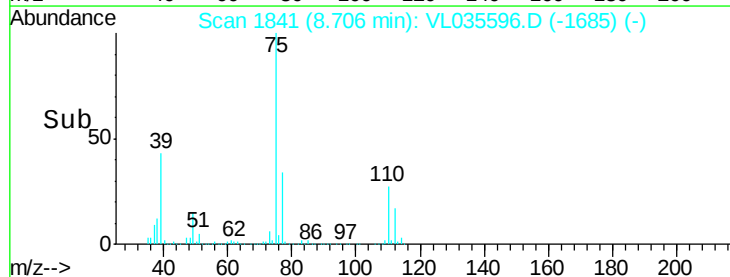
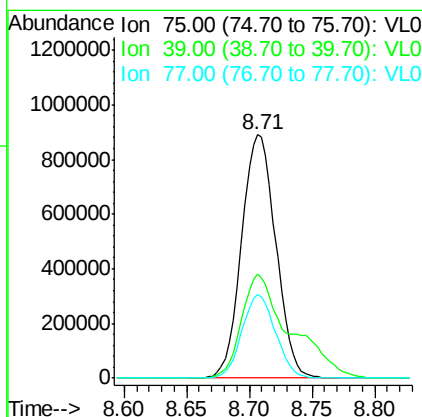
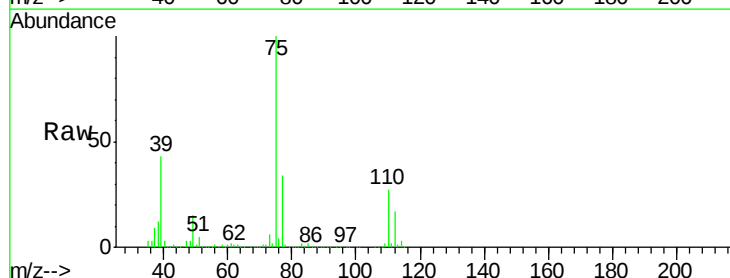
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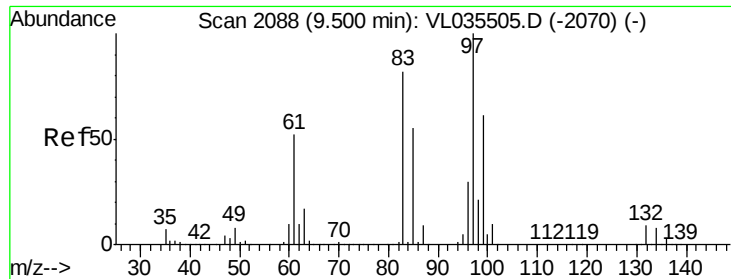
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#46
cis-1,3-Dichloropropene
Concen: 11.931 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 75 Resp: 1693711
Ion Ratio Lower Upper
75 100
39 42.6 33.7 50.5
77 34.3 27.8 41.6





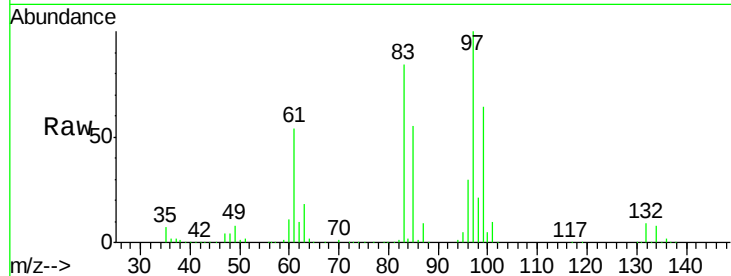
#47
 1,1,2-Trichloroethane
 Concen: 10.342 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

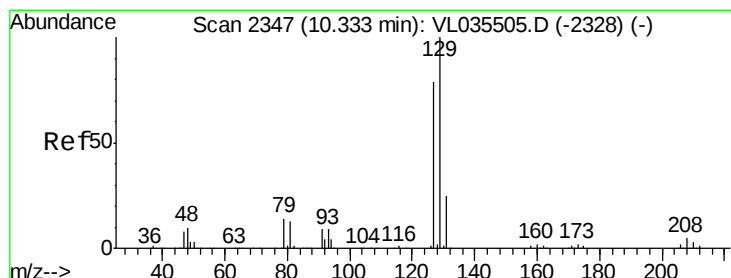
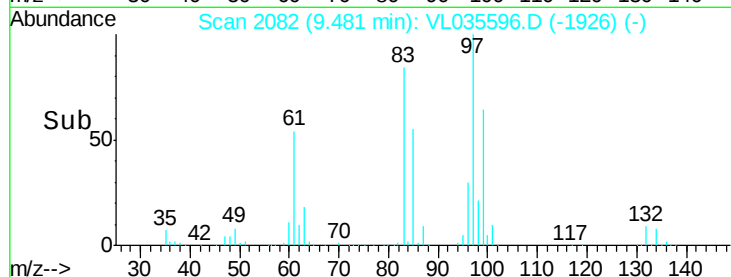
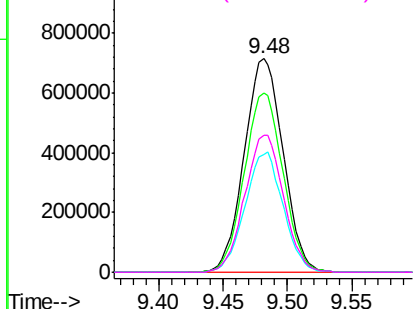
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.1	65.4	98.2
85	55.3	43.7	65.5
99	64.2	49.1	73.7

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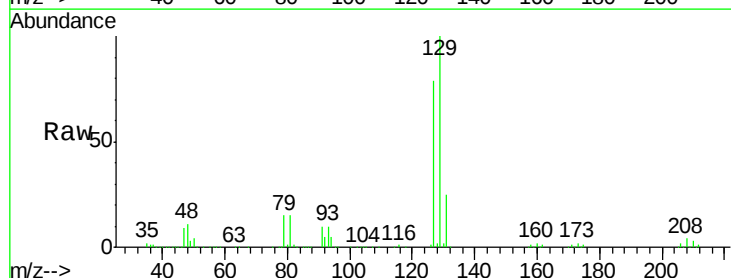


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

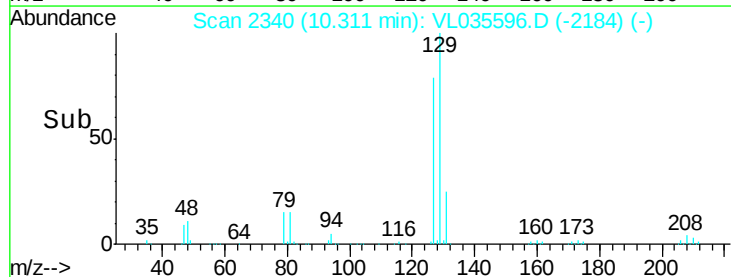
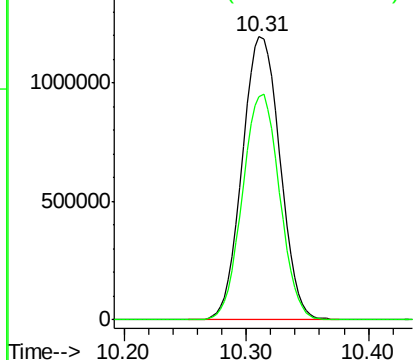


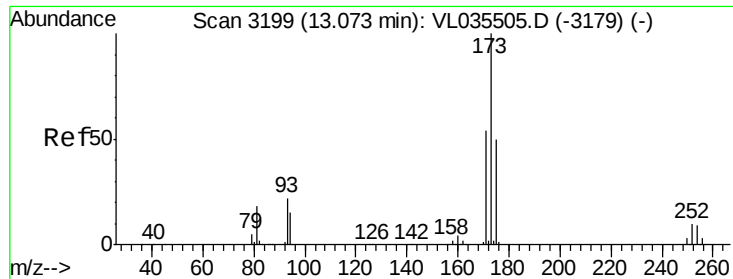
#48
 Dibromochloromethane
 Concen: 11.171 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





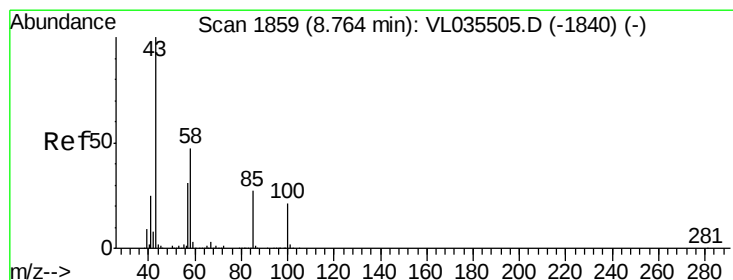
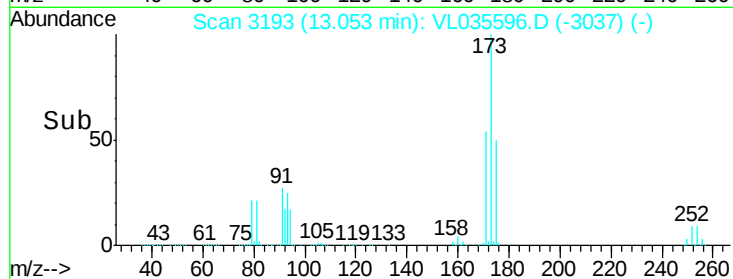
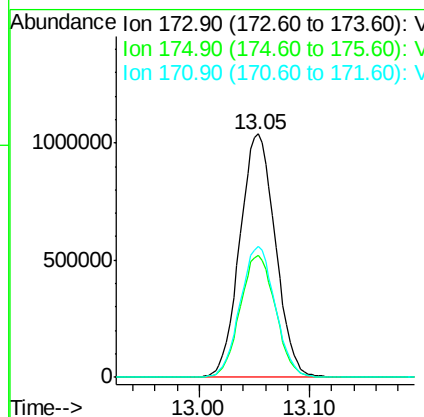
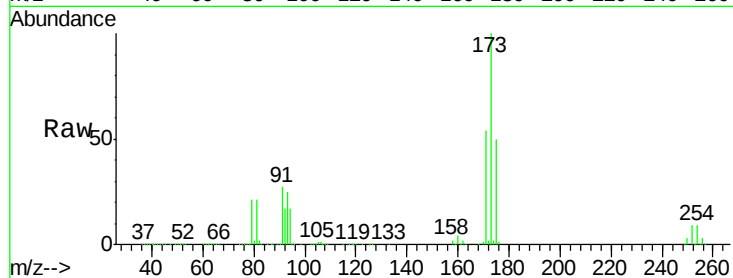
#49
Bromoform
Concen: 11.168 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2317683
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.8
171 53.3 42.4 63.6

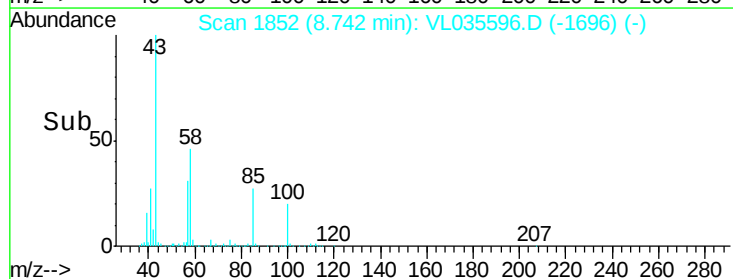
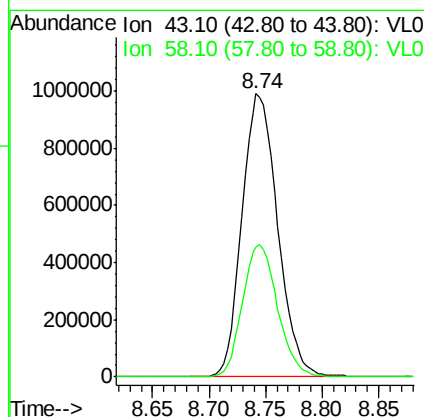
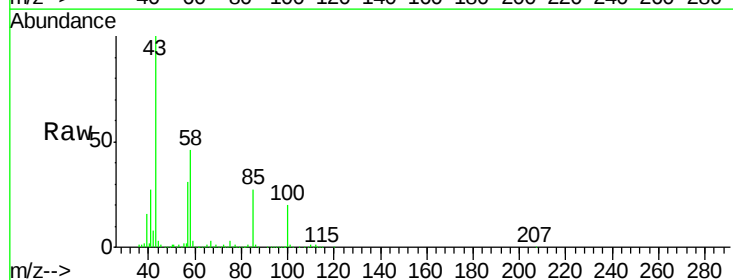
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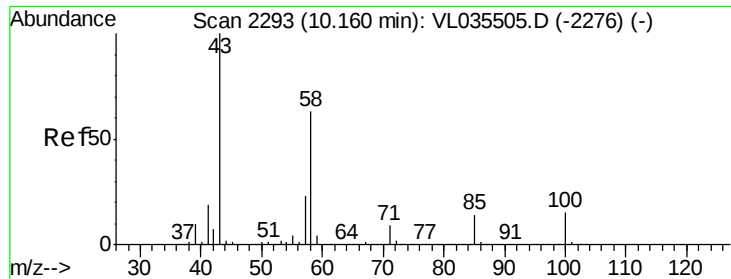
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#50
4-Methyl-2-Pentanone
Concen: 11.213 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 43 Resp: 2172782
Ion Ratio Lower Upper
43 100
58 46.2 37.4 56.0





#51

2-Hexanone

Concen: 11.681 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1856827

Ion Ratio Lower Upper

43 100

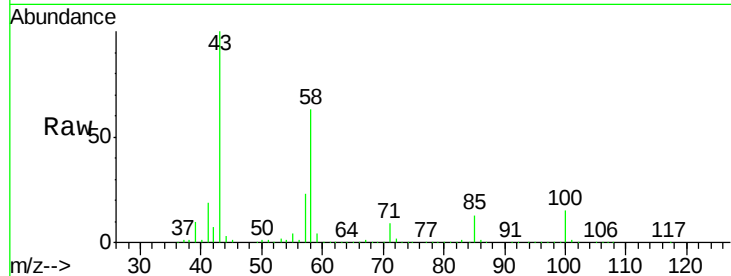
58 61.9 50.2 75.4

98 0.7 0.4 0.6#

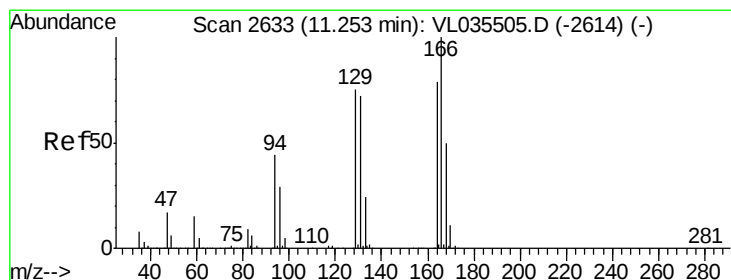
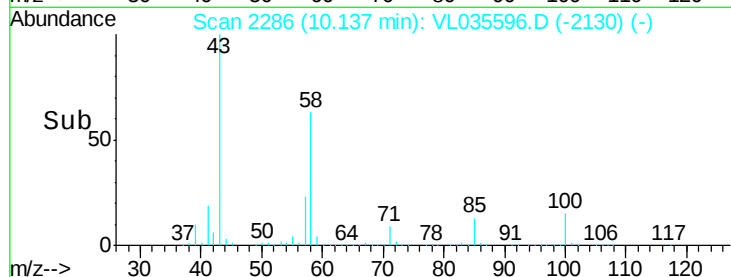
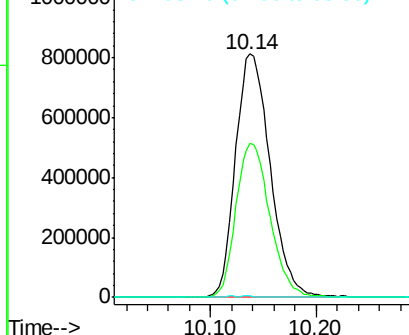
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.762 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion: 164 Resp: 1494098

Ion Ratio Lower Upper

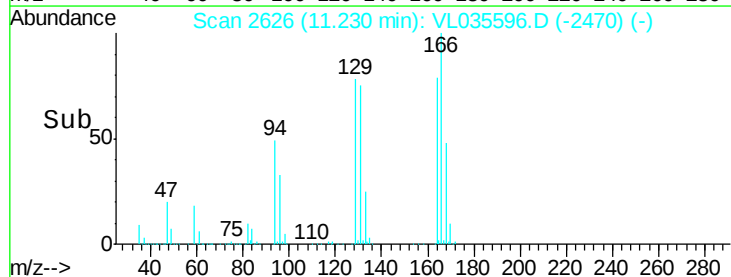
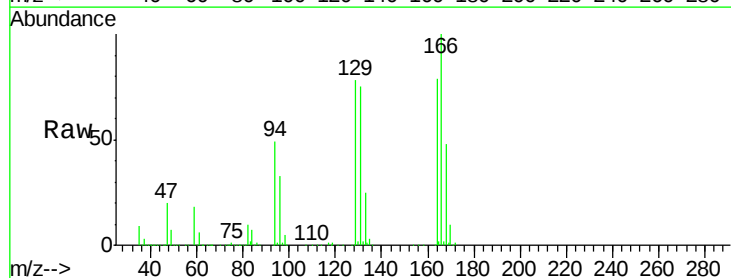
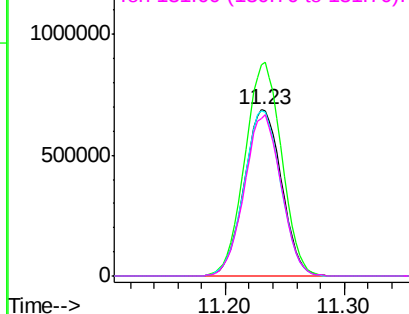
164 100

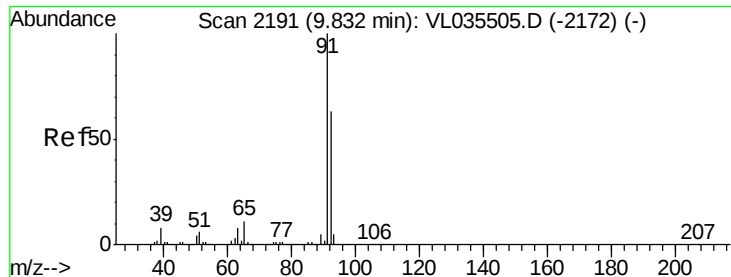
166 127.3 100.9 151.3

129 99.0 75.3 112.9

131 95.0 73.0 109.4

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





#53

Toluene

Concen: 10.475 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3844989

Ion Ratio Lower Upper

91 100

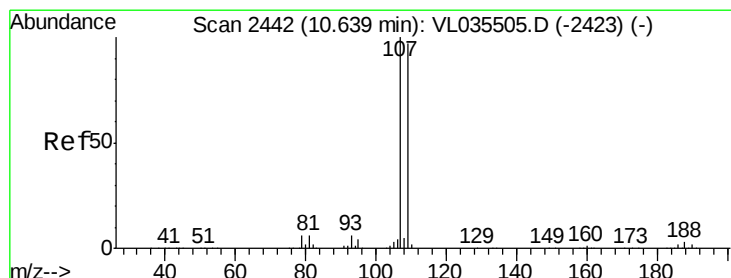
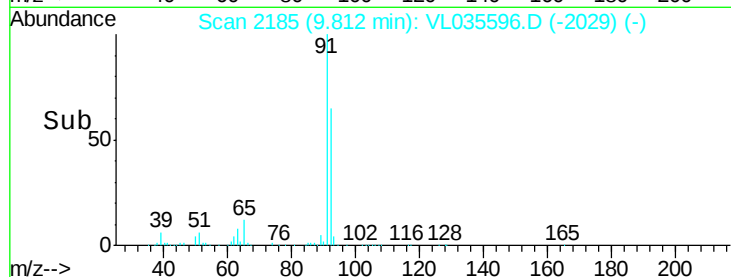
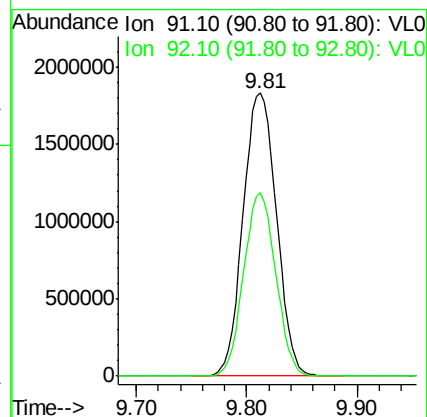
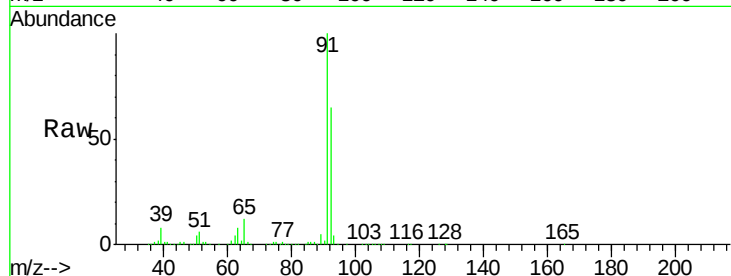
92 62.5 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.314 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL035596.D

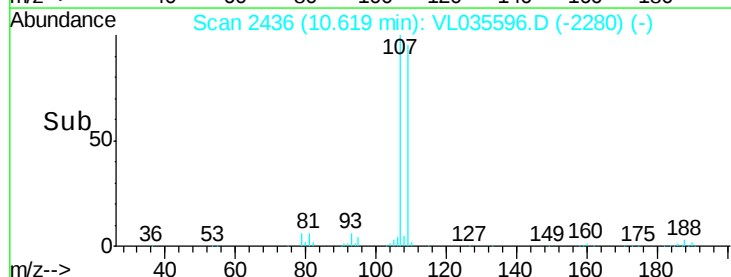
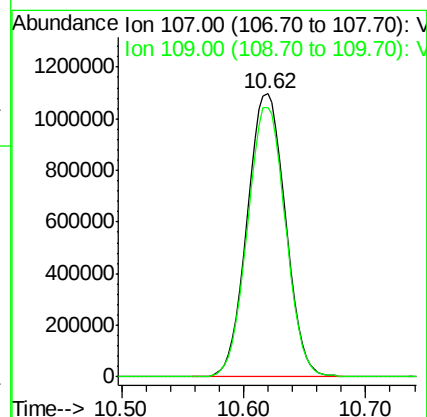
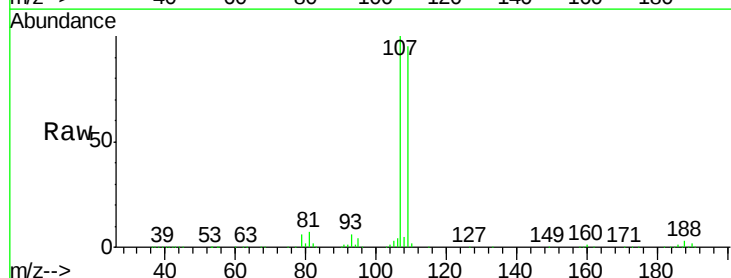
Acq: 14 Sep 2020 10:11

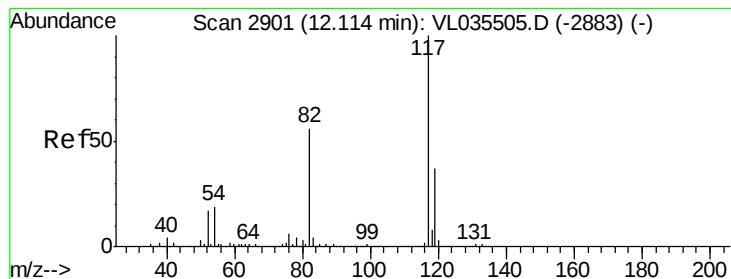
Tgt Ion: 107 Resp: 2371222

Ion Ratio Lower Upper

107 100

109 95.1 77.8 116.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 4720631

Ion Ratio Lower Upper

117 100

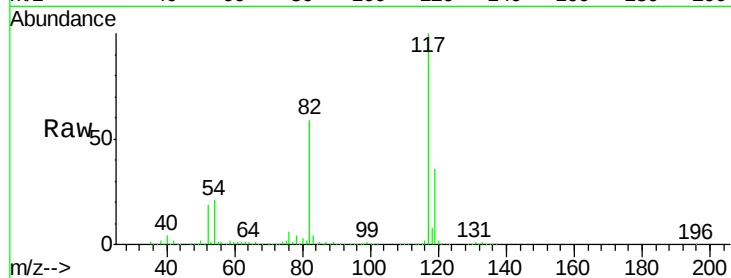
82 55.2 41.6 62.4

119 31.6 29.3 43.9

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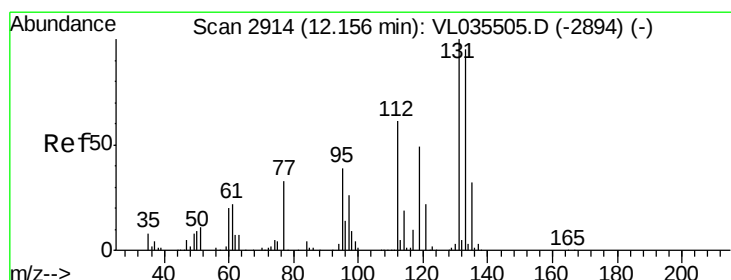
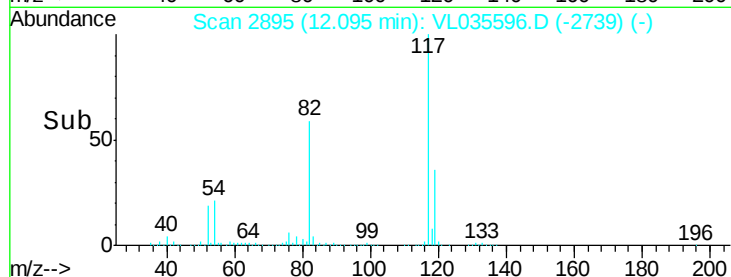
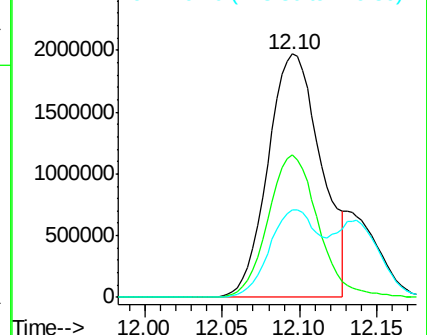
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 10.418 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

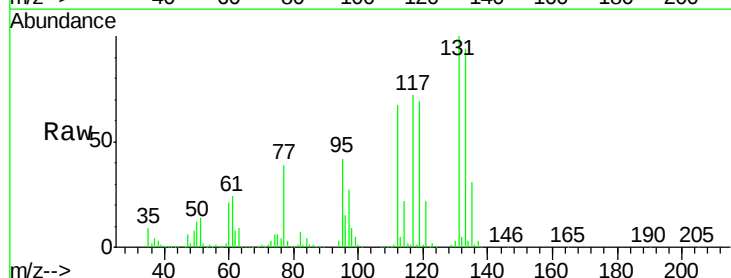
Tgt Ion:131 Resp: 2001105

Ion Ratio Lower Upper

131 100

133 95.5 76.6 115.0

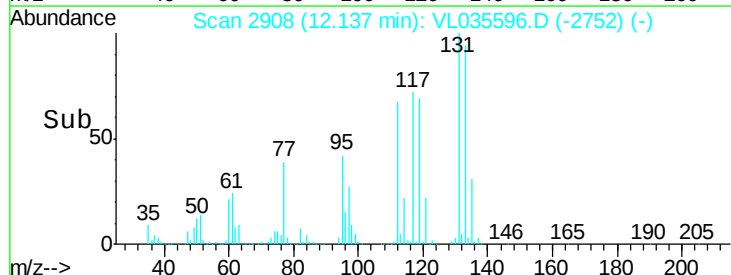
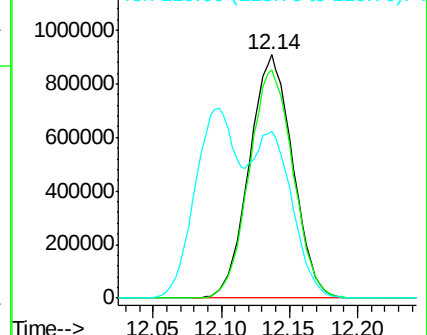
119 63.6 51.6 77.4

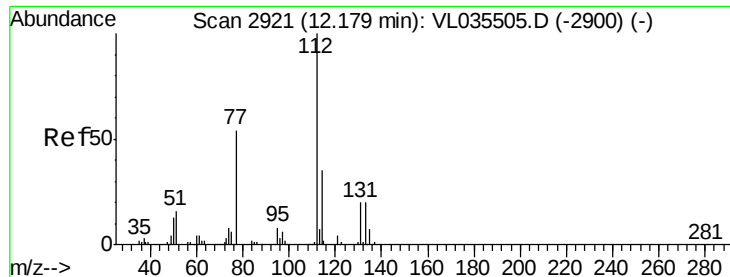


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





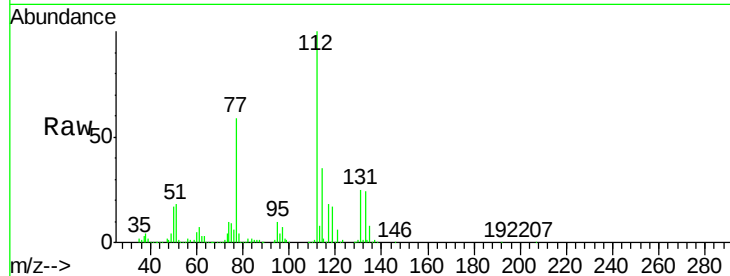
#57
Chlorobenzene
Concen: 9.497 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

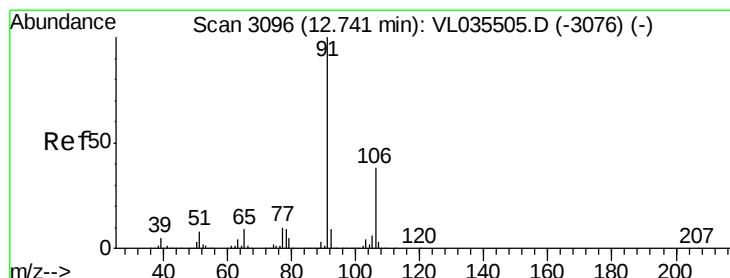
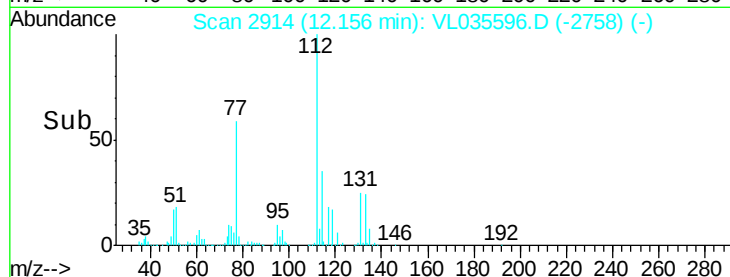
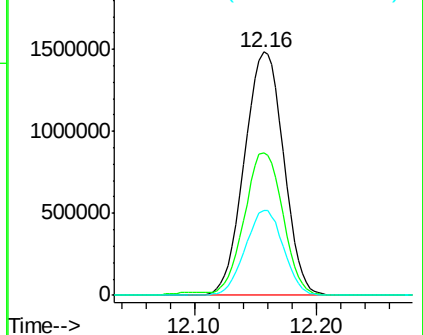
Tot Ion	Ratio	Lower	Upper
112	100		
77	58.6	44.2	66.4
114	35.0	31.6	38.6

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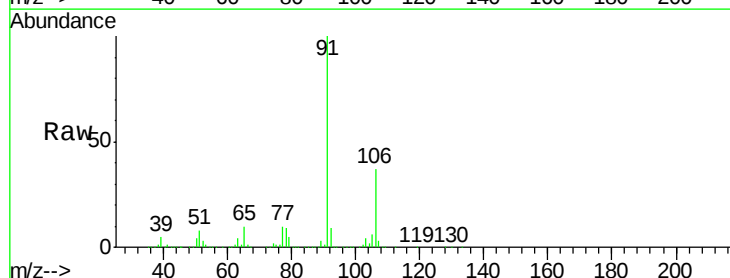


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

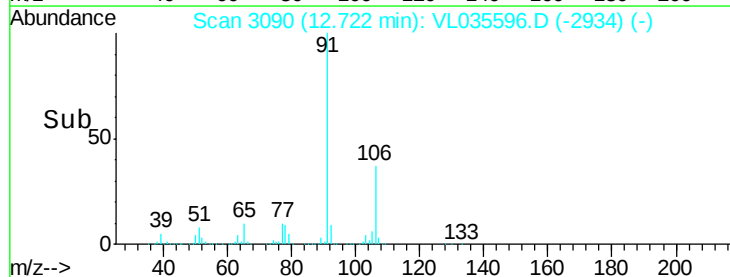
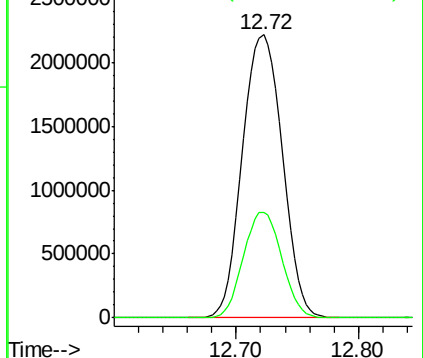


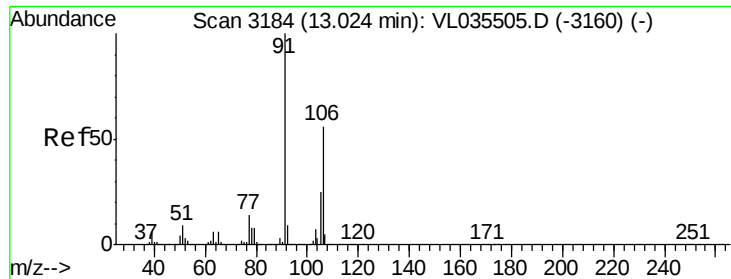
#58
Ethyl Benzene
Concen: 10.331 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.3	30.3	45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





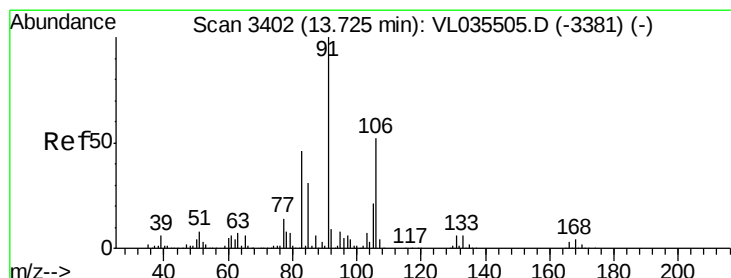
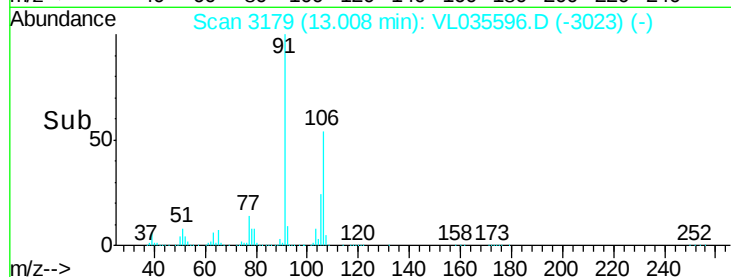
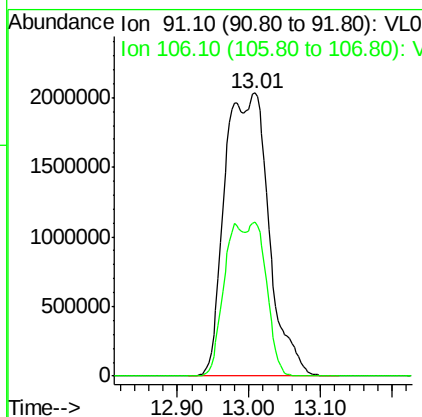
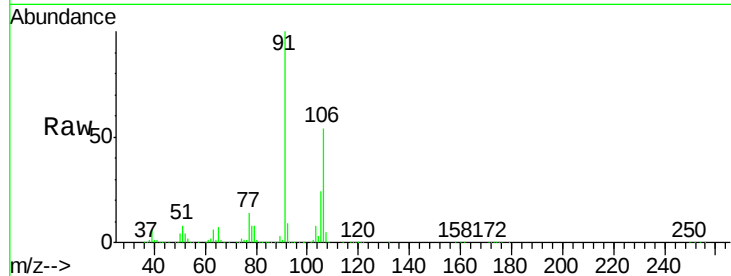
#59
m/p-Xylene
Concen: 21.311 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8668361
Ion Ratio Lower Upper
91 100
106 50.3 43.4 65.2

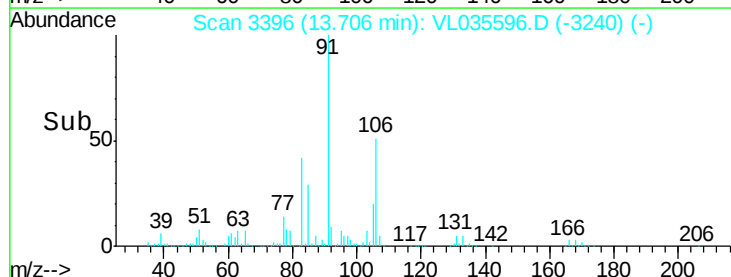
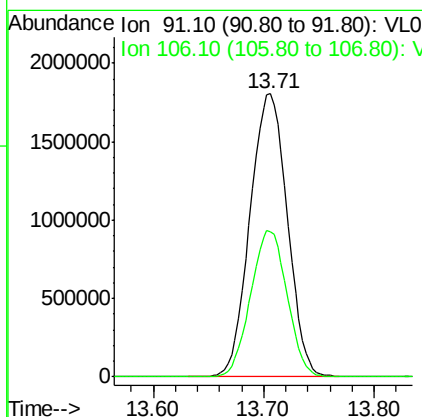
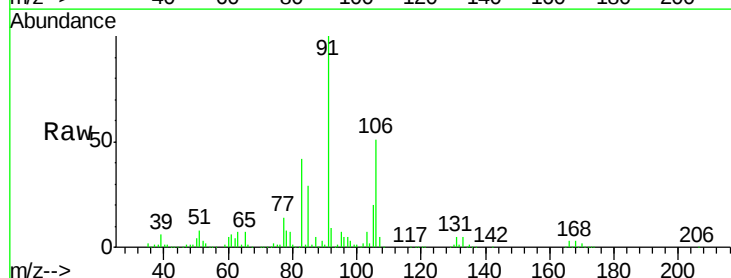
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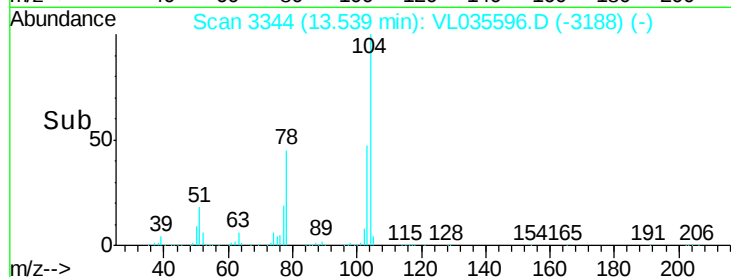
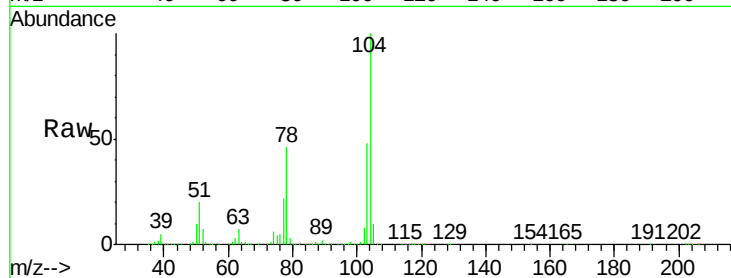
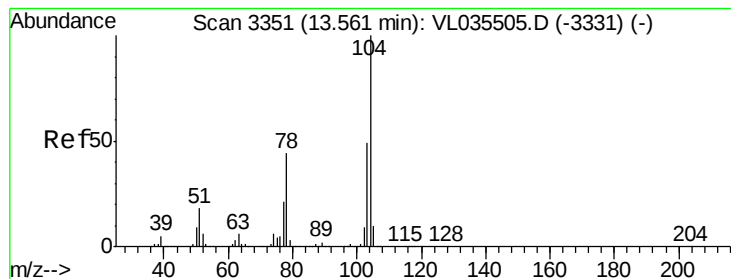
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#60
o-Xylene
Concen: 10.333 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion: 91 Resp: 4233135
Ion Ratio Lower Upper
91 100
106 50.5 25.8 77.4





#61

Stvrene

Concen: 10.770 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tot Ion:104 Resp: 3374572

Ion Ratio Lower Upper

104 100

78 45.5 34.8 52.2

103 47.9 38.2 57.4

Instrument :

MSVOA_L

ClientSampleId :

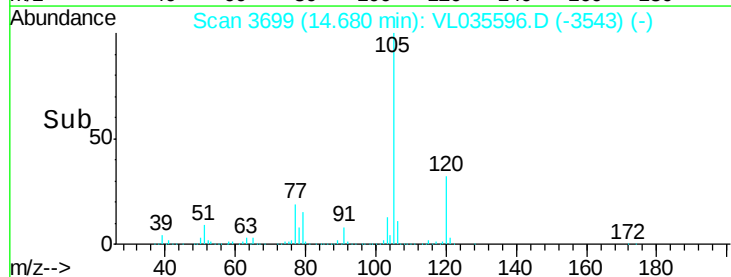
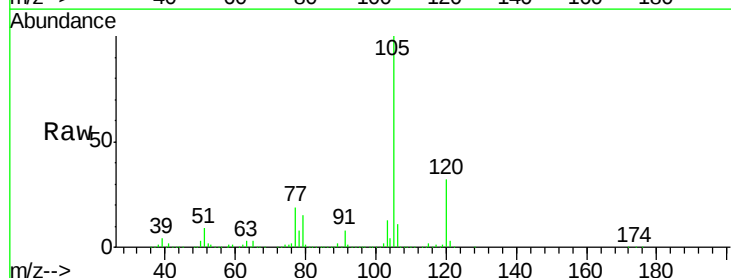
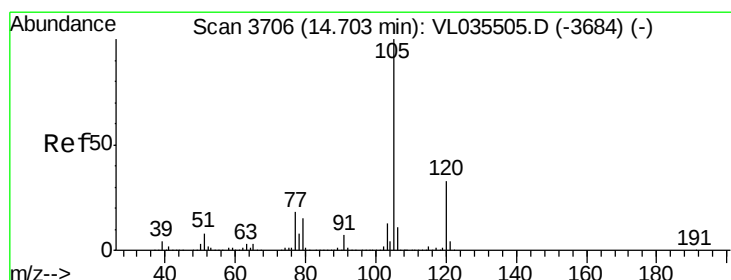
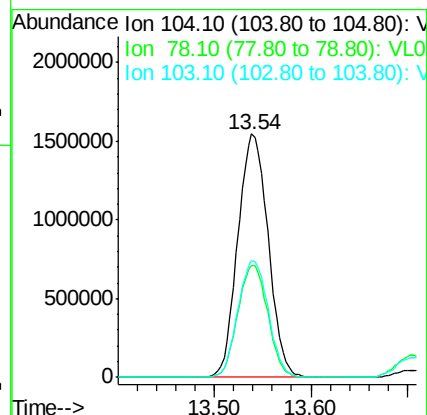
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#62

Isopropylbenzene

Concen: 9.705 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL035596.D

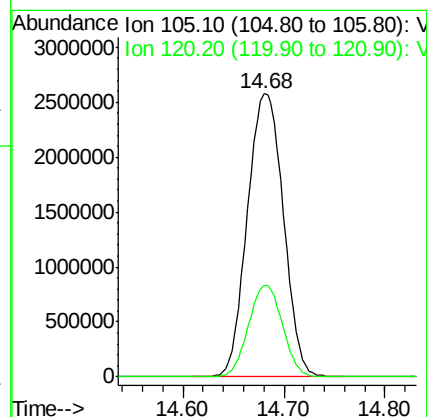
Acq: 14 Sep 2020 10:11

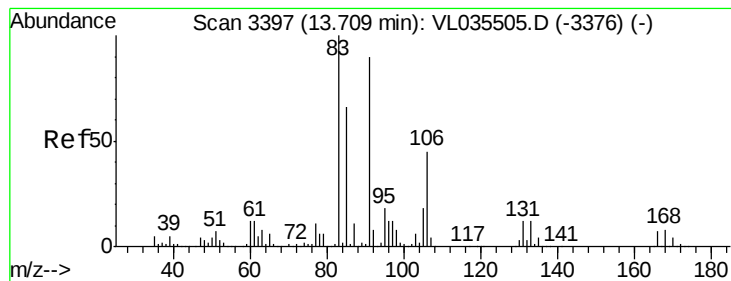
Tgt Ion:105 Resp: 6386604

Ion Ratio Lower Upper

105 100

120 30.5 25.0 37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.751 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3097268

Ion Ratio Lower Upper

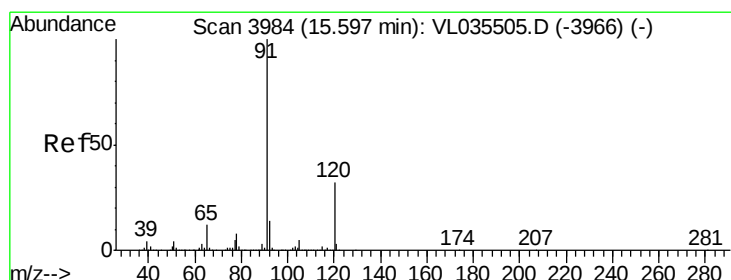
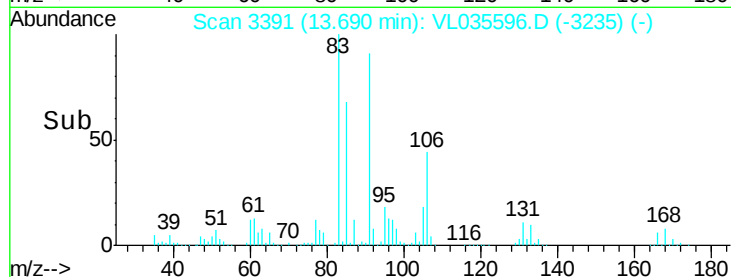
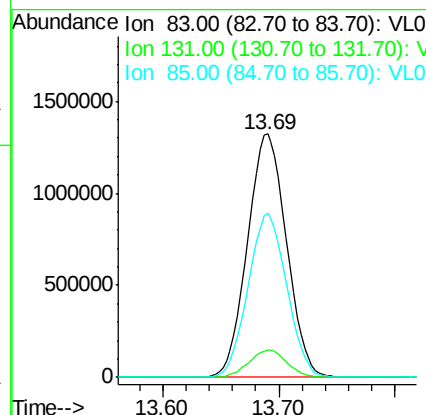
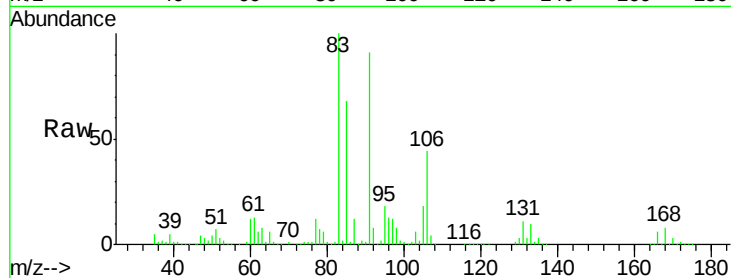
83 100

131 11.1 6.0 18.0

85 66.9 33.4 100.2

Manual Integrations
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#64

n-propylbenzene

Concen: 10.049 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL035596.D

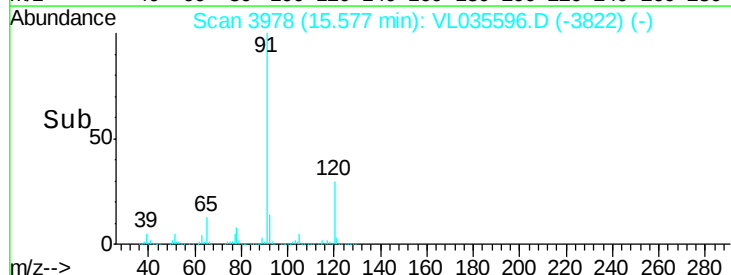
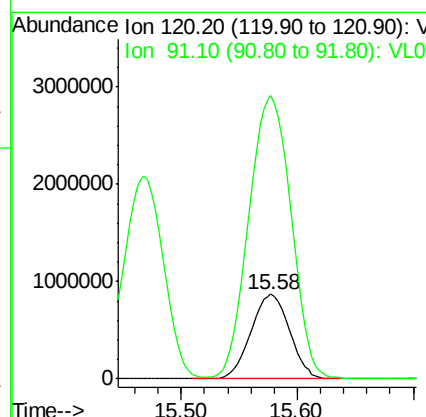
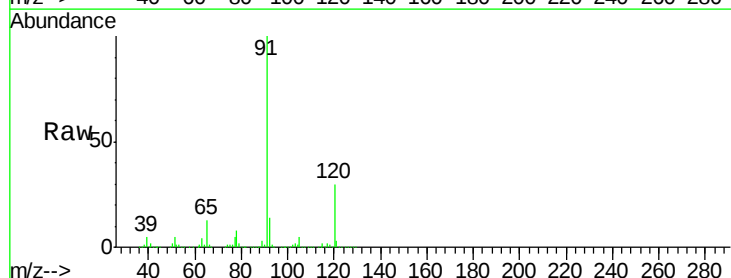
Acq: 14 Sep 2020 10:11

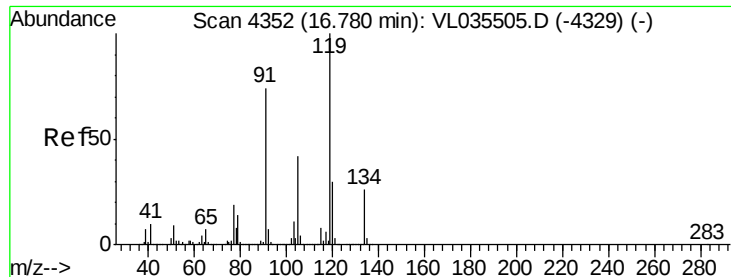
Tgt Ion:120 Resp: 2018191

Ion Ratio Lower Upper

120 100

91 366.5 279.4 419.0





#65

tert-Butylbenzene

Concen: 9.904 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 6059030

Ion Ratio Lower Upper

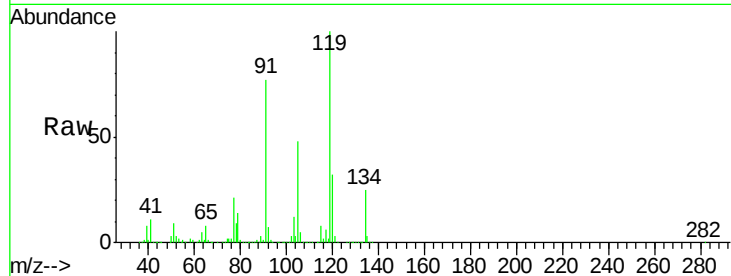
119 100

91 76.6 58.6 87.8

134 22.8 18.9 28.3

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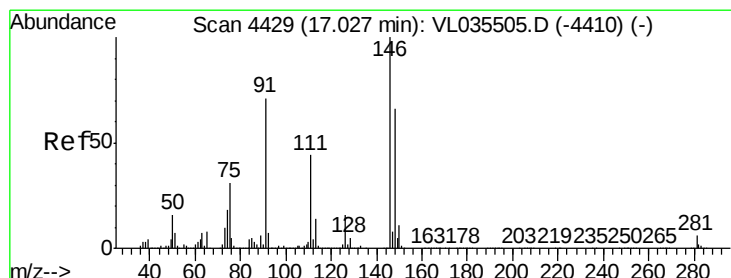
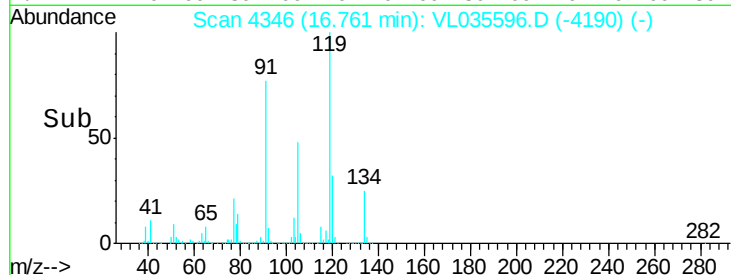
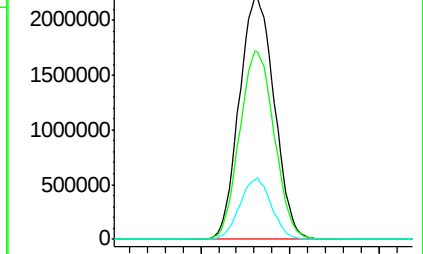
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.865 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

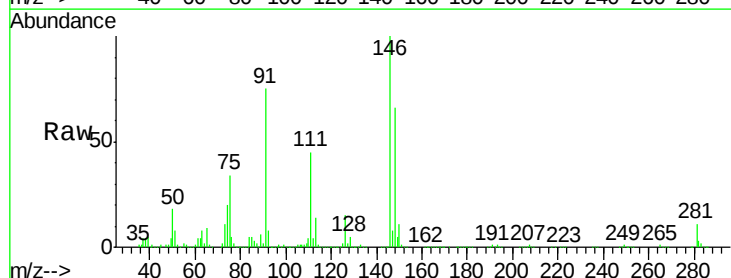
Tgt Ion: 91 Resp: 2107939

Ion Ratio Lower Upper

91 100

126 19.6 17.2 25.8

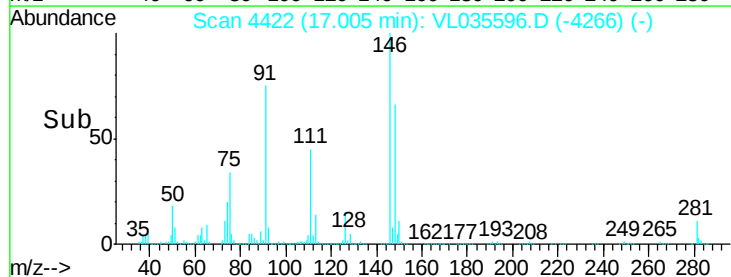
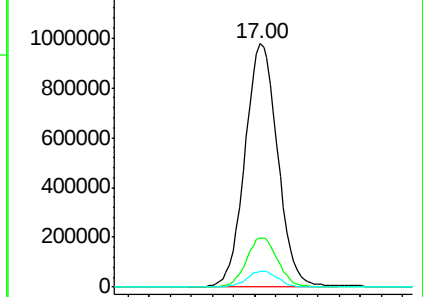
128 6.3 5.5 8.3

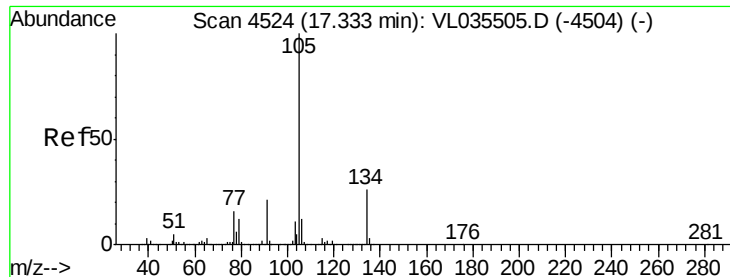


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.768 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7961453

Ion Ratio Lower Upper

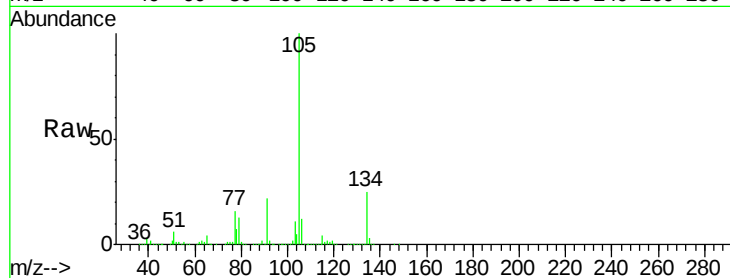
105 100

134 22.6 19.1 28.7

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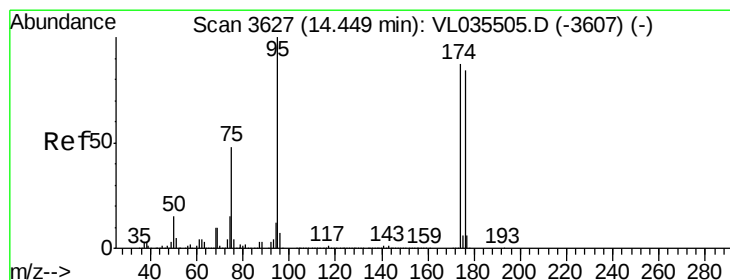
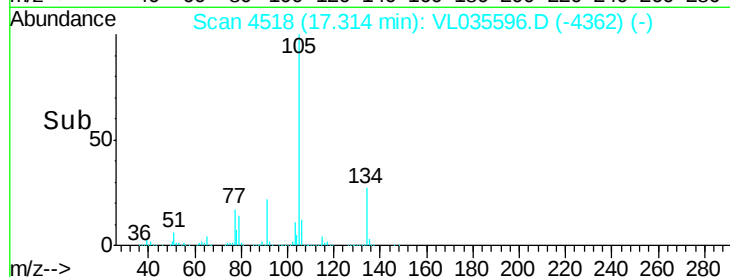
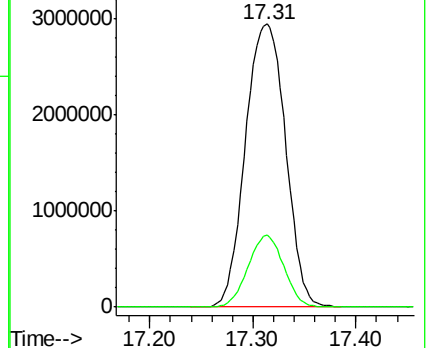
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.334 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

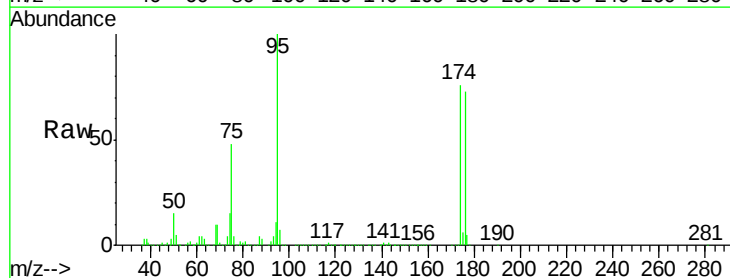
Tgt Ion: 95 Resp: 3464441

Ion Ratio Lower Upper

95 100

174 77.0 69.6 104.4

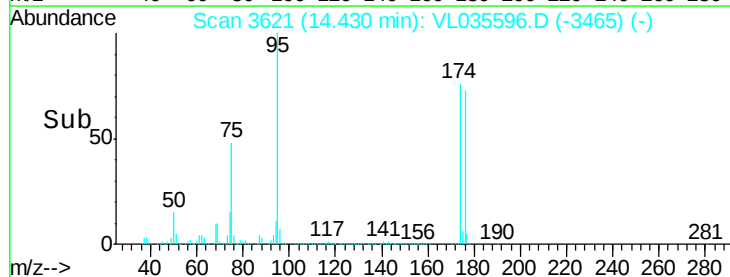
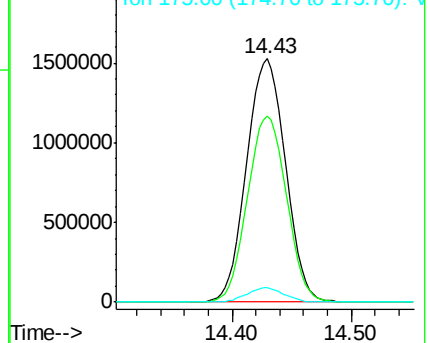
175 5.6 5.1 7.7

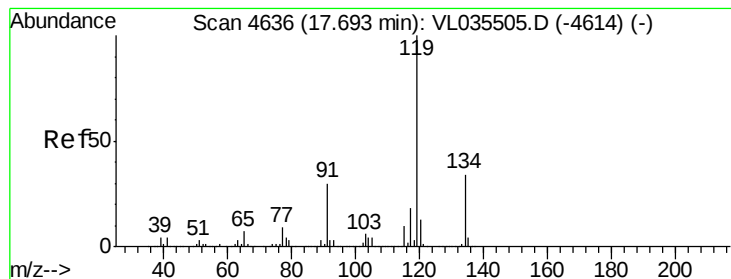


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.690 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 119 Resp: 6927951

Ion Ratio Lower Upper

119 100

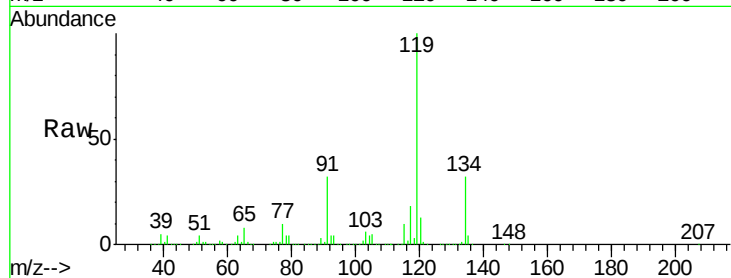
134 30.3 25.0 37.4

91 29.2 22.3 33.5

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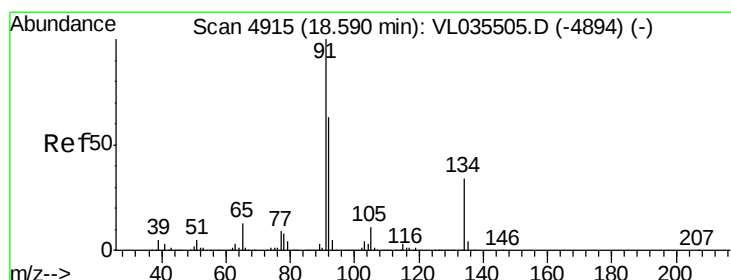
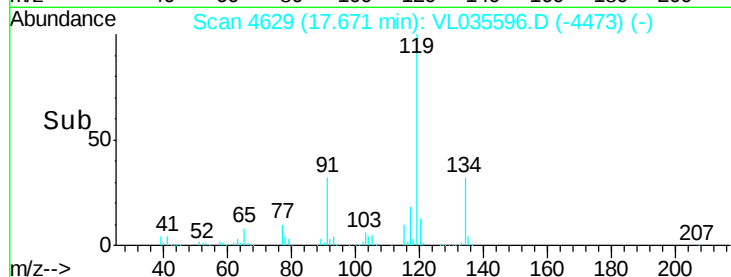
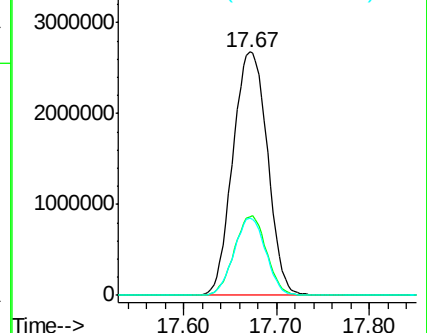
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.055 ppbv

RT: 18.57 min Scan# 4909

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

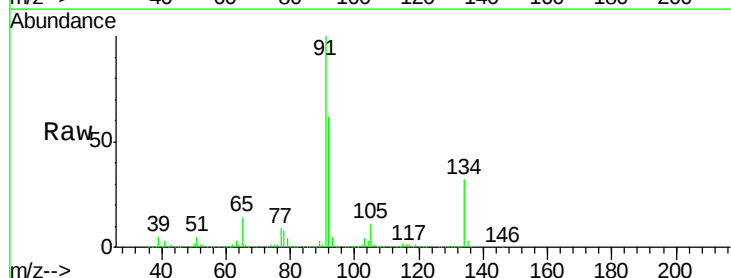
Tgt Ion: 91 Resp: 6924589

Ion Ratio Lower Upper

91 100

92 58.6 47.3 70.9

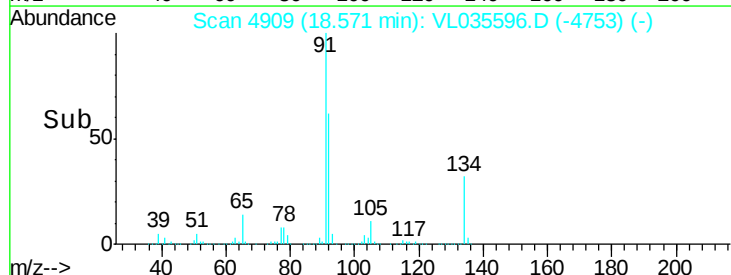
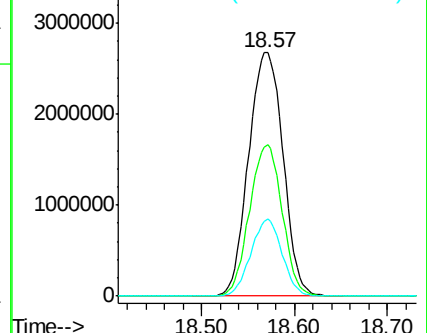
134 28.6 24.6 37.0

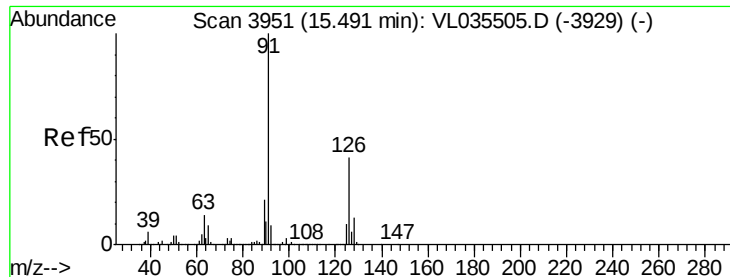


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.349 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4959444

Ion Ratio Lower Upper

91 100

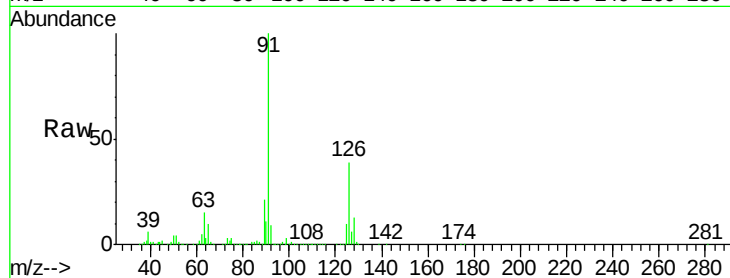
126 36.9 15.6 62.6

Manual Integrations

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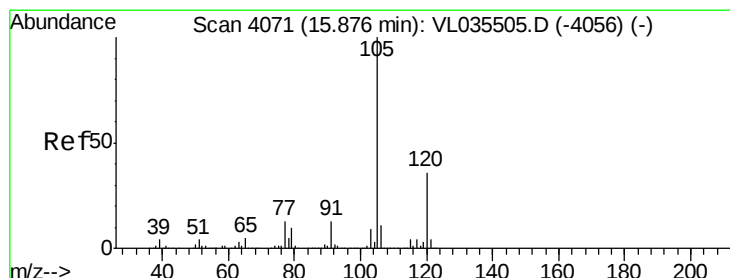
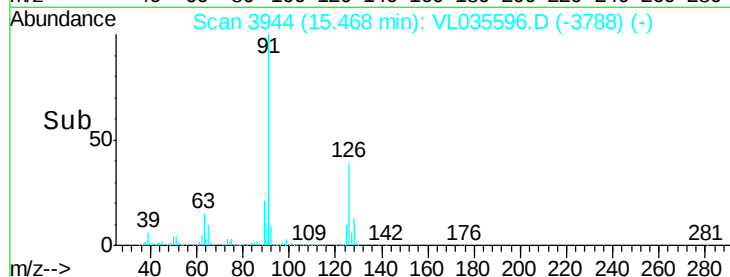
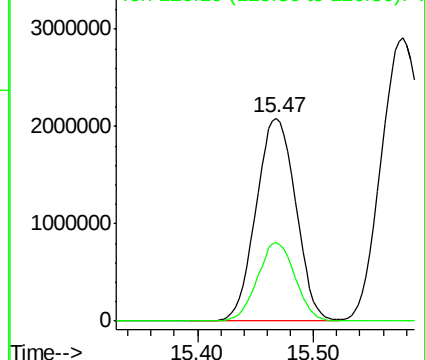
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.172 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion:105 Resp: 5297676

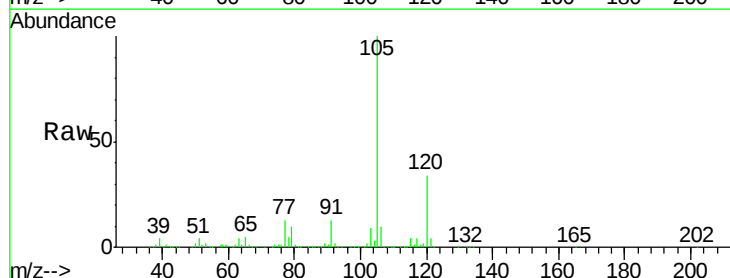
Ion Ratio Lower Upper

105 100

120 33.6 27.4 41.2

91 12.6 9.7 14.5

77 12.6 9.6 14.4

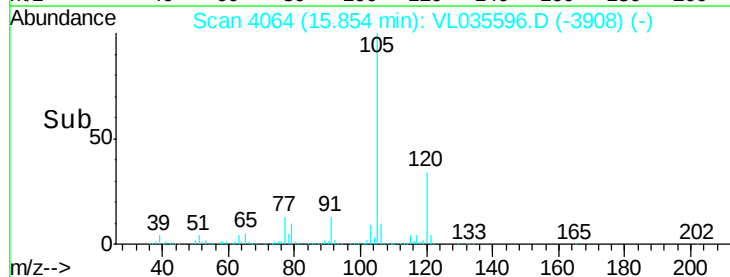
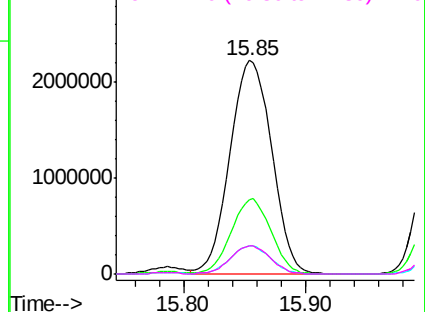


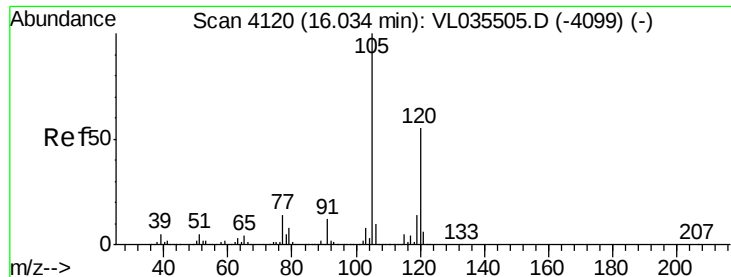
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.318 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4970528

Ion Ratio Lower Upper

105 100

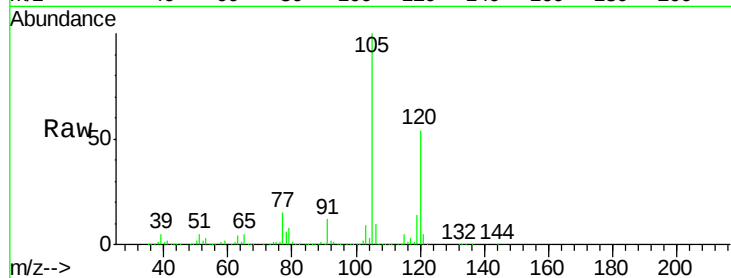
120 54.2 44.2 66.2

Manual Integrations

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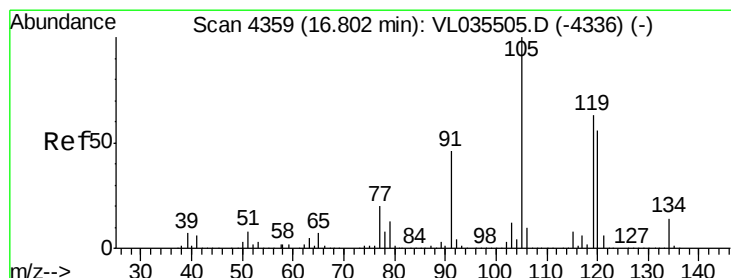
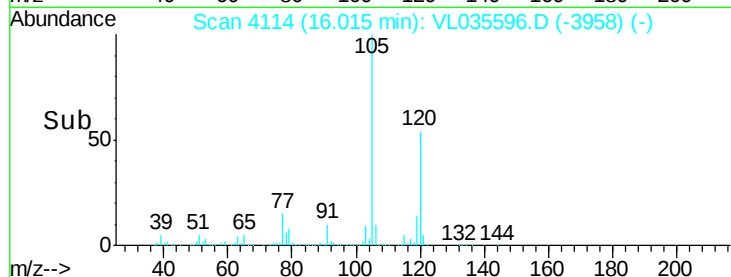
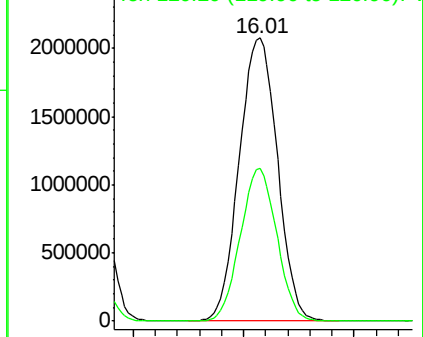
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.895 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Tgt Ion:105 Resp: 5234628

Ion Ratio Lower Upper

105 100

120 54.8 44.4 66.6

91 52.3 37.1 55.7

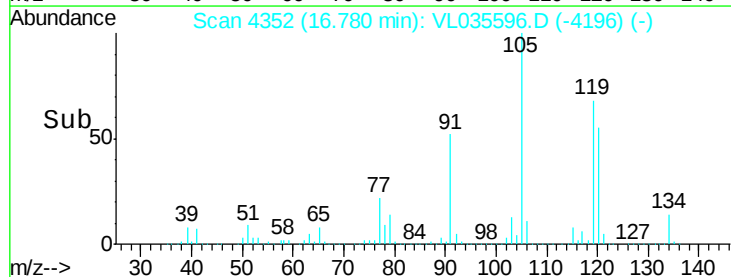
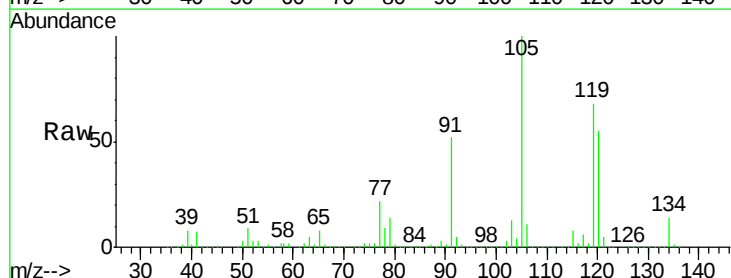
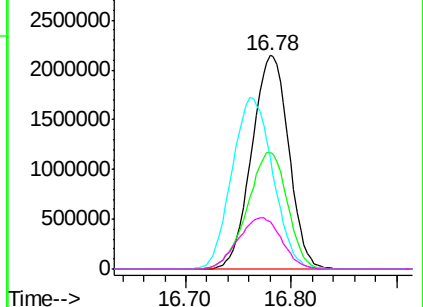
77 22.1 16.0 24.0

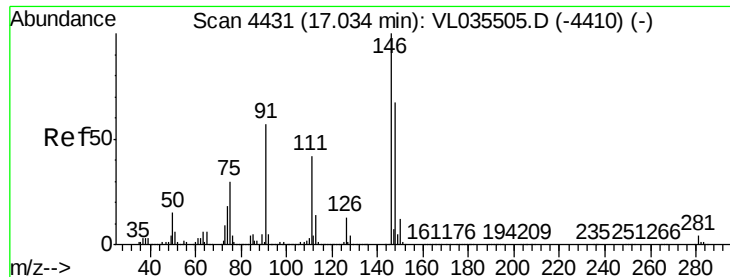
Abundance Ion 105.10 (104.80 to 105.80): V

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





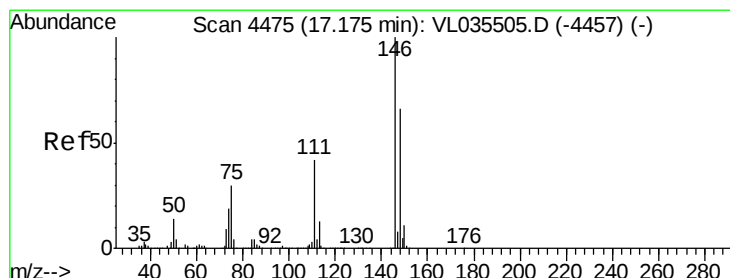
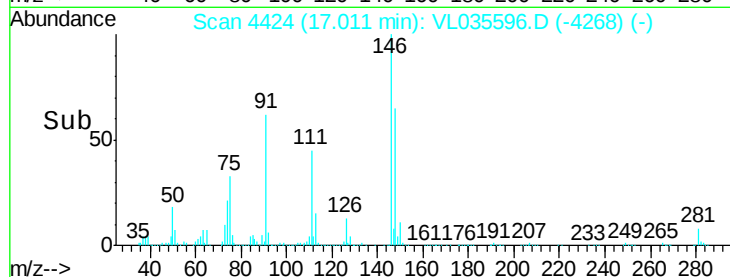
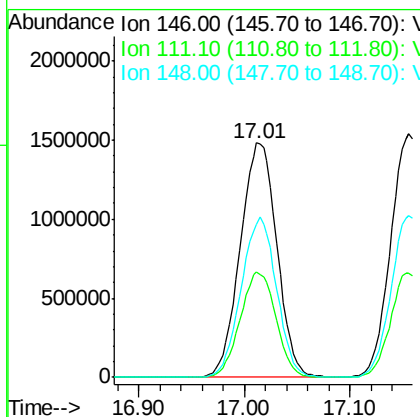
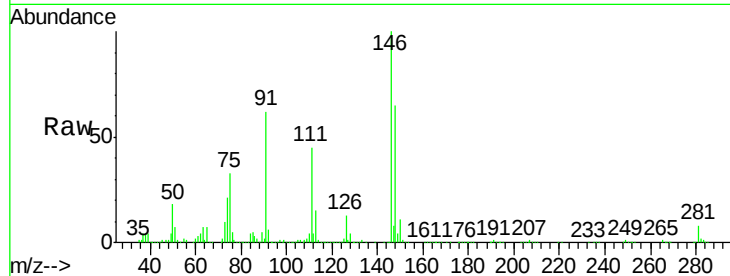
#75
 1,3-Dichlorobenzene
 Concen: 9.159 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3588966
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.7 62.1
 148 65.8 33.0 98.9

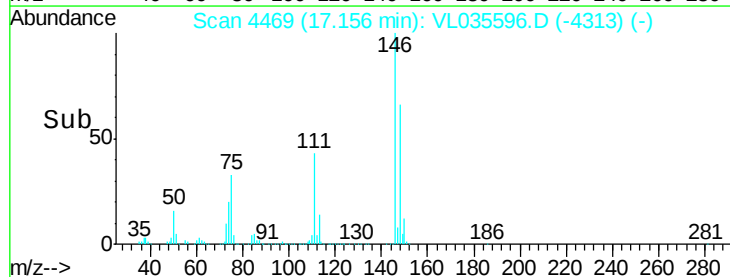
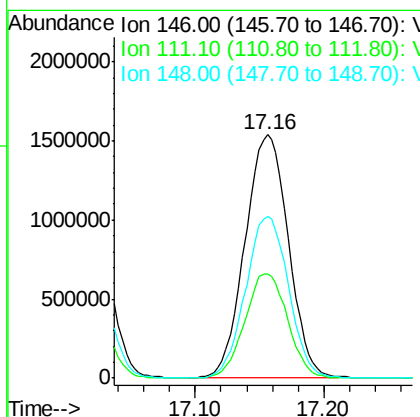
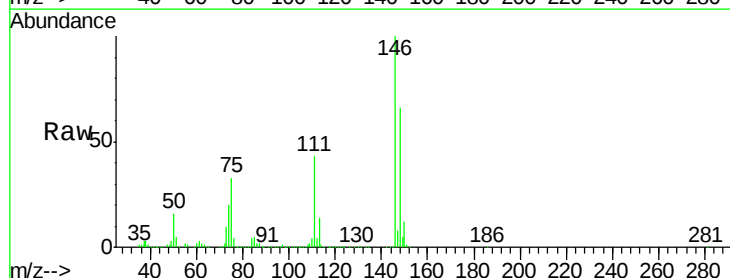
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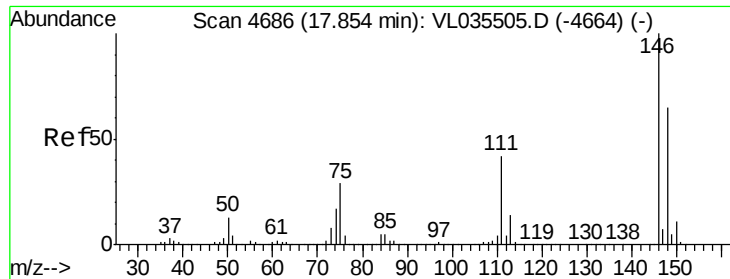
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#76
 1,4-Dichlorobenzene
 Concen: 9.279 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Tgt Ion:146 Resp: 3586036
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.0 60.0
 148 66.3 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.299 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3530237

Ion Ratio Lower Upper

146 100

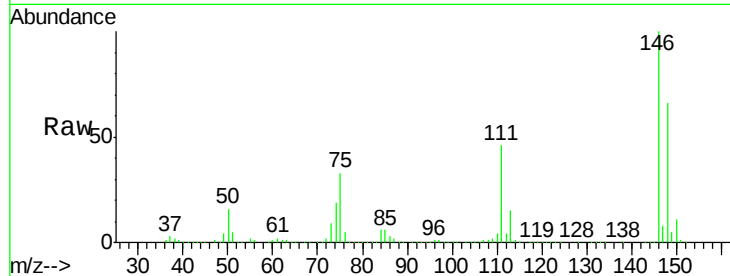
111 44.9 21.1 63.3

148 65.6 32.9 98.7

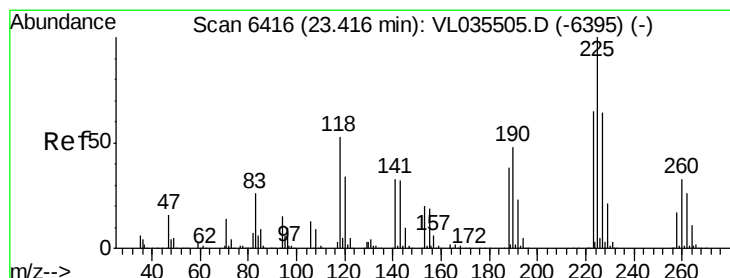
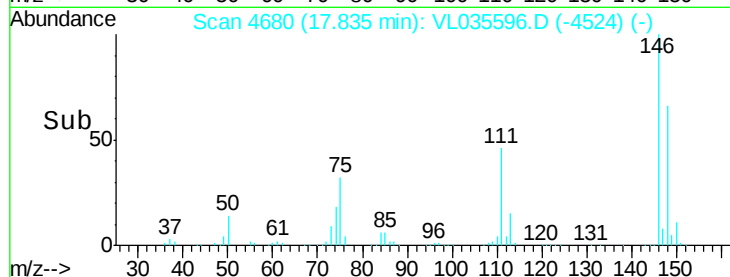
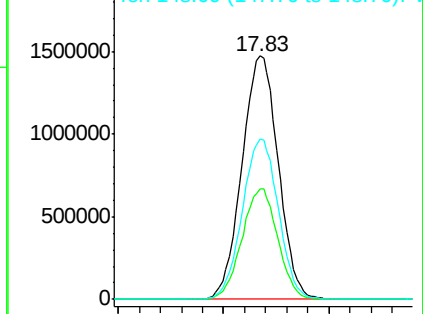
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.073 ppbv

RT: 23.40 min Scan# 6410

Delta R.T. 0.00 min

Lab File: VL035596.D

Acq: 14 Sep 2020 10:11

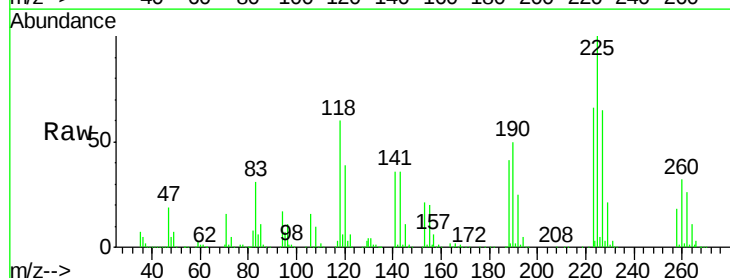
Tgt Ion:225 Resp: 2199012

Ion Ratio Lower Upper

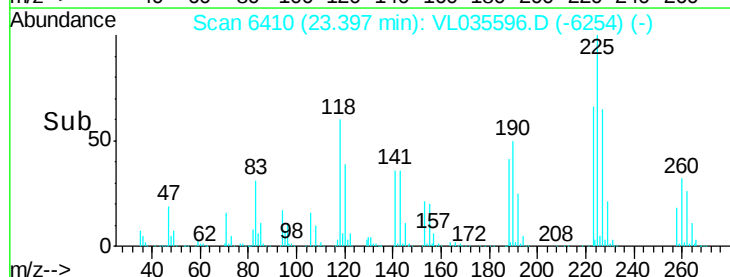
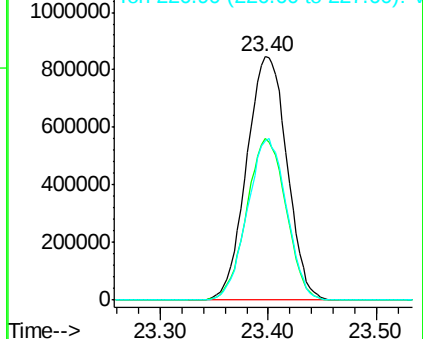
225 100

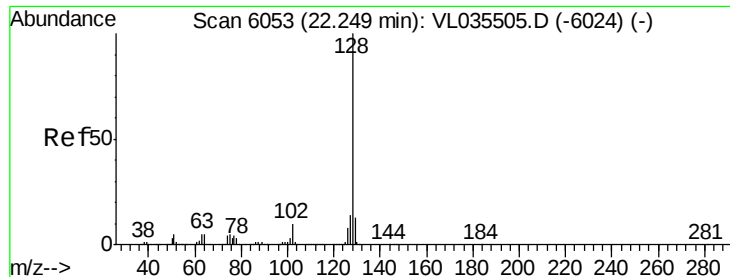
223 64.7 51.7 77.5

227 64.6 51.5 77.3



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





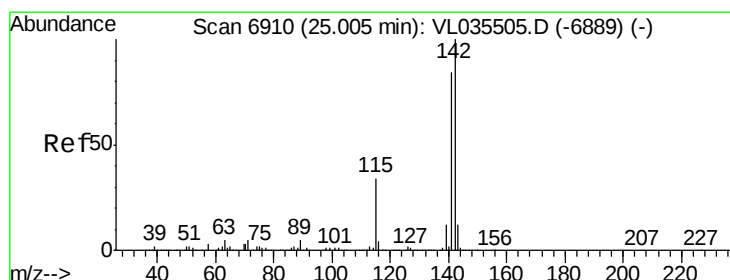
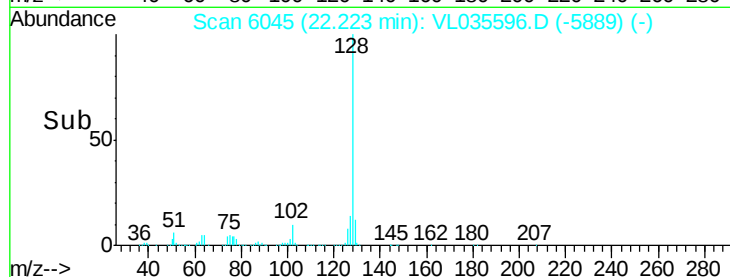
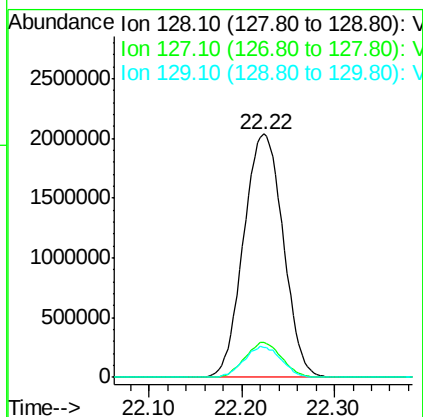
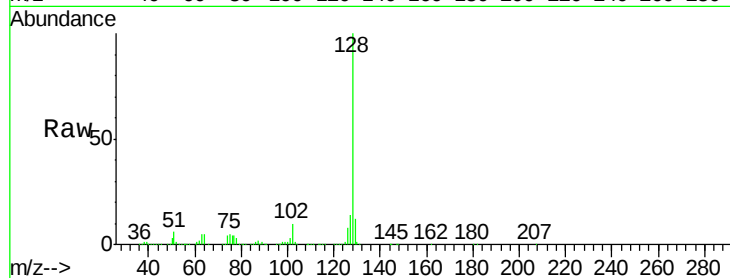
#79
Naphthalene
Concen: 10.285 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 6037199
Ion Ratio Lower Upper
128 100
127 14.3 11.4 17.2
129 12.5 10.5 15.7

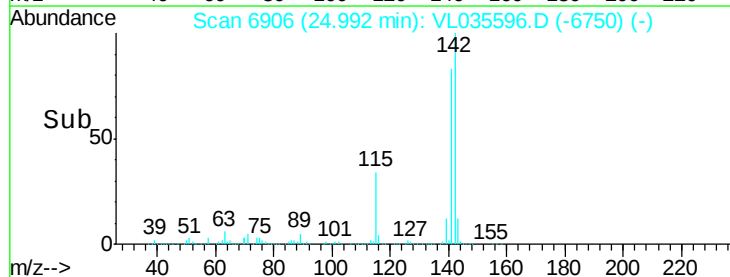
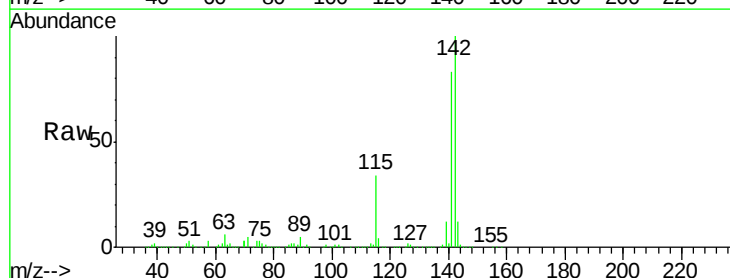
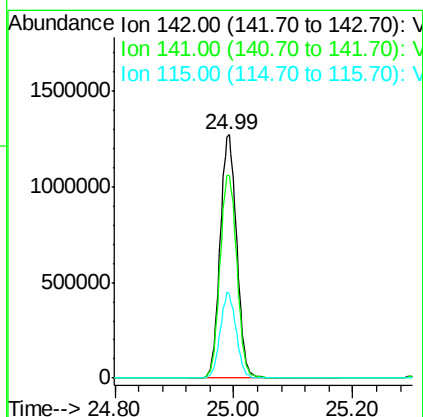
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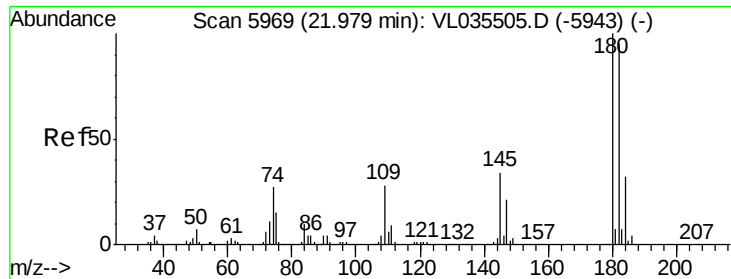
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#80
Naphthalene, 2-methyl-
Concen: 12.241 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.00 min
Lab File: VL035596.D
Acq: 14 Sep 2020 10:11

Tgt Ion:142 Resp: 2452469
Ion Ratio Lower Upper
142 100
141 84.8 67.6 101.4
115 33.8 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.504 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. 0.00 min
 Lab File: VL035596.D
 Acq: 14 Sep 2020 10:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	180	Resp:	3340916
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	31.2	25.3	37.9

Manual Integrations
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