

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035581.D
 Acq On : 10 Sep 2020 12:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:03:10 PM

Quant Time: Sep 11 08:22:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1152701	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4986606	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	5175465m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3768857	10.25	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1673447	8.377	ppbv	99
3) Chlorodifluoromethane	2.97	51	1211370	9.502	ppbv	99
4) Chloromethane	3.12	50	641362	9.390	ppbv	100
5) Vinyl Chloride	3.24	62	767694	9.117	ppbv	100
6) Bromomethane	3.46	94	677720	9.582	ppbv	98
7) Chloroethane	3.54	64	292020	9.809	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2212955	9.147	ppbv	95
9) Propene	2.99	41	459415	9.347	ppbv	100
10) Heptane	8.12	43	1277476	9.677	ppbv	99
11) Trichlorofluoromethane	3.94	101	2557617	8.779	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1944897	8.845	ppbv	92
13) Ethanol	3.59	45	103612	8.503	ppbv	99
14) Bromoethene	3.73	108	933856	9.867	ppbv	98
15) Acetone	3.84	43	1033897	8.132	ppbv	99
16) 1,3-Butadiene	3.31	39	453344	9.579	ppbv	97
17) tert-Butyl alcohol	4.28	59	1564278	10.108	ppbv	100
18) 1,1-Dichloroethene	4.28	96	929110	9.596	ppbv	96
19) Isopropyl Alcohol	3.95	45	734888	9.690	ppbv	100
20) Methylene Chloride	4.33	84	825708	8.720	ppbv	96
21) Allyl Chloride	4.40	41	628453	10.551	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	950277	9.219	ppbv	93
23) Vinyl Acetate	5.06	43	1626450	9.968	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1596171	9.505	ppbv	99
25) Ethyl Acetate	5.67	43	2125811	9.465	ppbv	100
26) Hexane	5.68	57	1227155	9.643	ppbv	98
27) Carbon Disulfide	4.54	76	2003754	10.973	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2244299	10.119	ppbv	100
29) Chloroform	5.74	83	2480393	9.566	ppbv	99
30) Cyclohexane	7.12	84	1400645	10.274	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1330245	10.189	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2488096	9.892	ppbv	100
34) 2-Butanone	5.23	43	1462185	9.880	ppbv	99
35) Carbon Tetrachloride	7.01	117	2561828	10.222	ppbv	100
36) Benzene	6.89	78	3220169	9.976	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1520367	9.879	ppbv	100
38) Trichloroethene	7.83	130	1679640	8.958	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1078550	9.891	ppbv	99
40) 1,4-Dioxane	7.83	88	524978	9.638	ppbv	81
41) Tetrahydrofuran	6.04	42	831970	10.602	ppbv	98
42) Bromodichloromethane	7.79	83	2644153	10.625	ppbv	99
43) Methyl Methacrylate	8.01	69	1337009	10.712	ppbv	99

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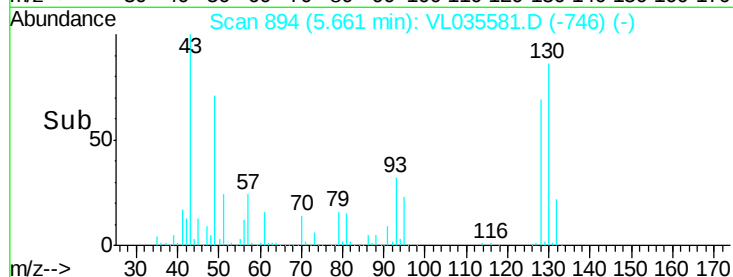
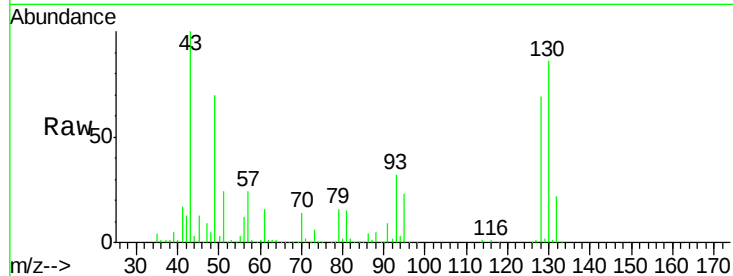
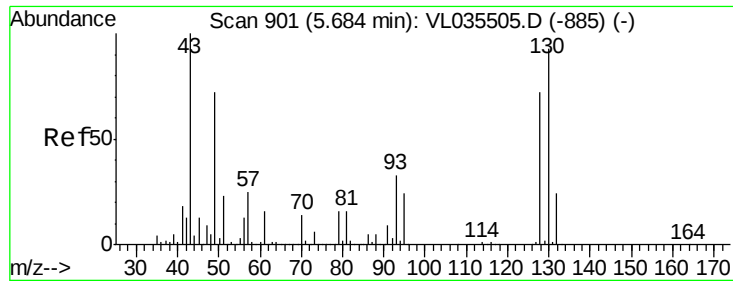
Manual Integrations
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Quant Time: Sep 11 08:22:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4078904	9.604	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1519214	12.015	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1809848	11.528	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1583137	9.839	ppbv	98
48) Dibromochloromethane	10.30	129	2721120	10.746	ppbv	100
49) Bromoform	13.04	173	2511435	10.943	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2180844	10.177	ppbv	99
51) 2-Hexanone	10.13	43	1876971	10.678	ppbv	98
52) Tetrachloroethene	11.22	164	1667731	8.844	ppbv	99
53) Toluene	9.81	91	4083790	10.061	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2538235	9.984	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	2131865	10.123	ppbv	96
57) Chlorobenzene	12.15	112	3486876	9.154	ppbv	98
58) Ethyl Benzene	12.71	91	5307635	9.945	ppbv	100
59) m/p-Xylene	13.00	91	8937858m	20.042	ppbv	
60) o-Xylene	13.70	91	4369201	9.728	ppbv	100
61) Styrene	13.53	104	3595066	10.466	ppbv	99
62) Isopropylbenzene	14.67	105	6693648	9.278	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3147753	9.039	ppbv	100
64) n-propylbenzene	15.57	120	2143333	9.735	ppbv	98
65) tert-Butylbenzene	16.75	119	6338603	9.451	ppbv	99
66) Benzyl Chloride	17.00	91	2228085	13.367	ppbv	99
67) sec-Butylbenzene	17.30	105	8222639	9.202	ppbv	99
69) p-Isopropyltoluene	17.66	119	7251623	9.252	ppbv	99
70) n-Butylbenzene	18.56	91	7090504	9.392	ppbv	99
71) 2-Chlorotoluene	15.46	91	5156235	9.814	ppbv	99
72) 4-Ethyltoluene	15.85	105	5559581	9.736	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	5156949	9.764	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	5382956	9.281	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3832383	8.920	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3862676	9.117	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3797327	9.123	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2317384	8.721	ppbv	100
79) Naphthalene	22.21	128	6511531	10.118	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	2684018	12.219	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	3640927	9.447	ppbv	100

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



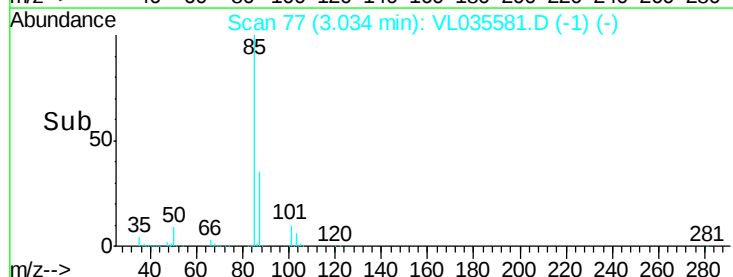
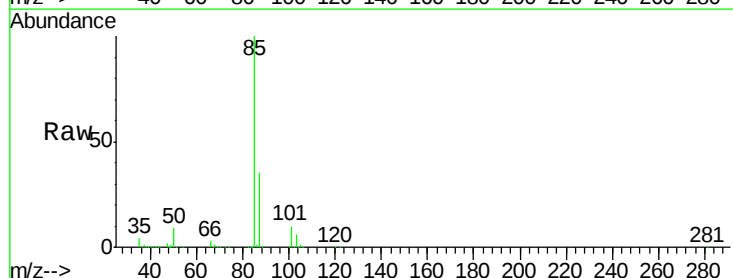
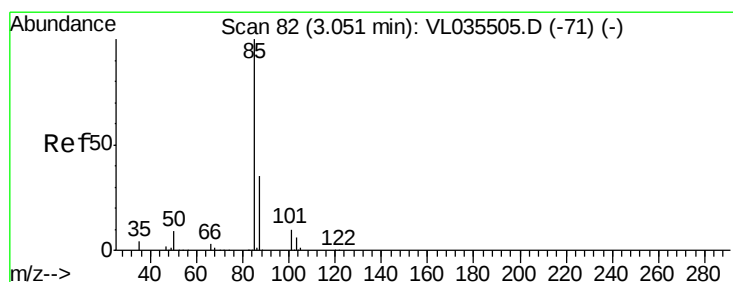
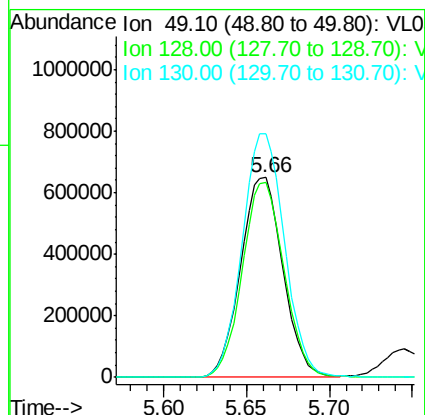
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tot Ion: 49 Resp: 1152701
Ion Ratio Lower Upper
49 100
128 96.6 50.0 150.1
130 122.7 64.4 193.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

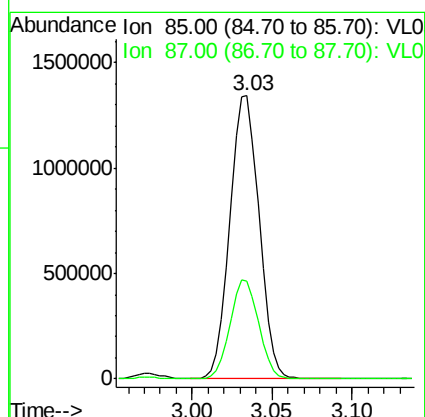
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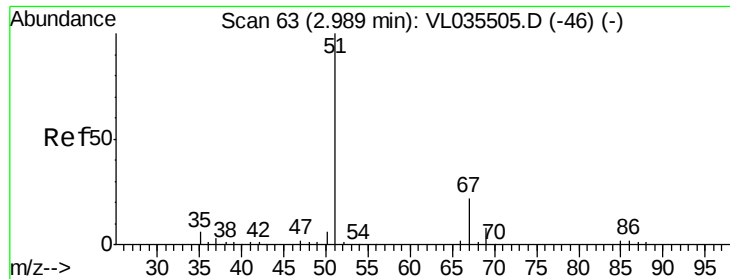
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#2
Dichlorodifluoromethane
Concen: 8.377 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 85 Resp: 1673447
Ion Ratio Lower Upper
85 100
87 34.5 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.502 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tot Ion: 51 Resp: 1211370

Ion Ratio Lower Upper

51 100

67 22.6 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

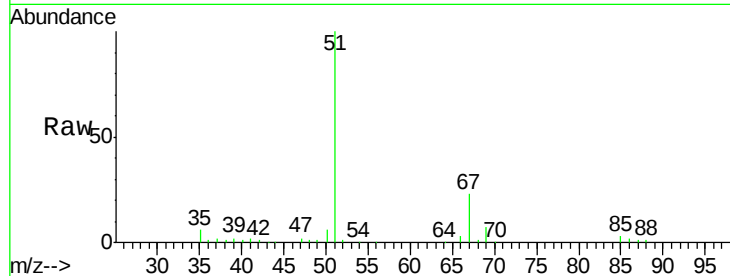
VSTDCCC010

Manual Integrations

APPROVED

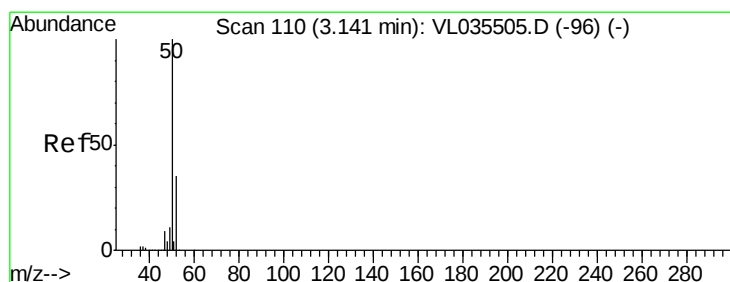
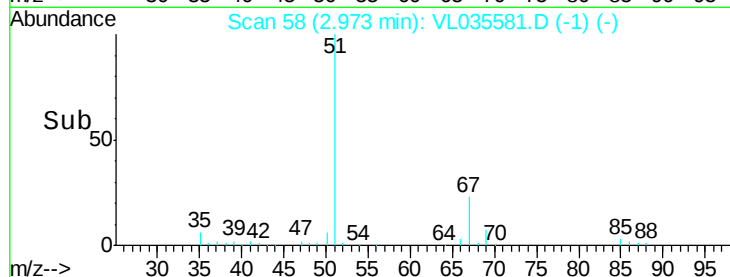
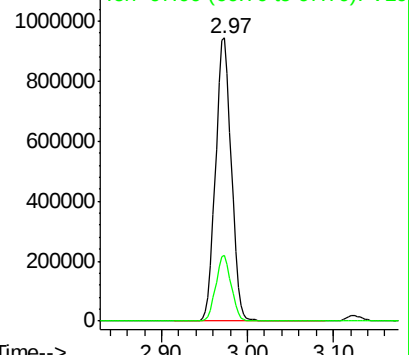
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.390 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL035581.D

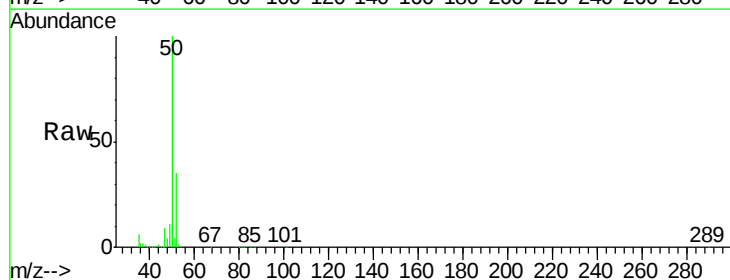
Acq: 10 Sep 2020 12:07

Tgt Ion: 50 Resp: 641362

Ion Ratio Lower Upper

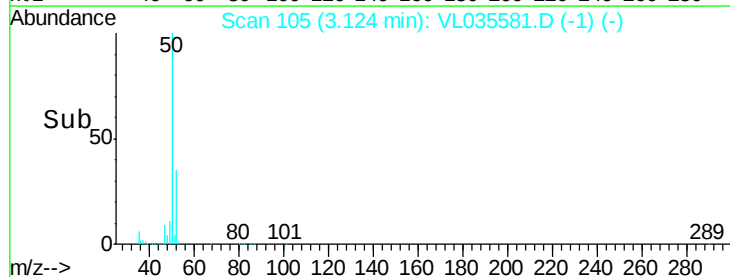
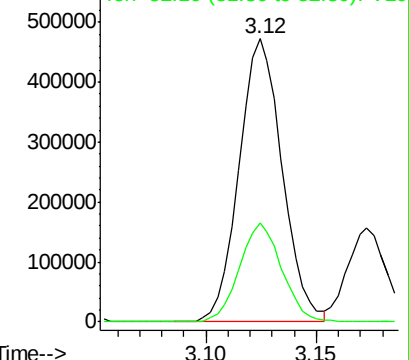
50 100

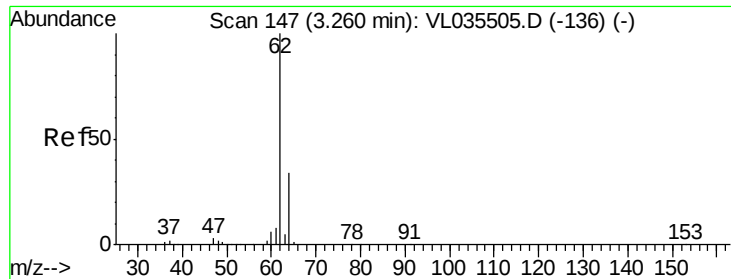
52 34.8 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 767694

Ion Ratio Lower Upper

62 100

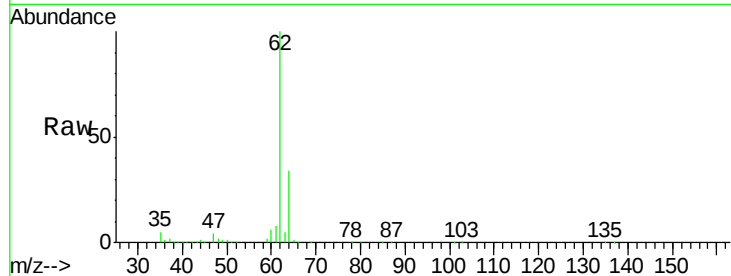
64 34.1 27.4 41.2

Manual Integrations

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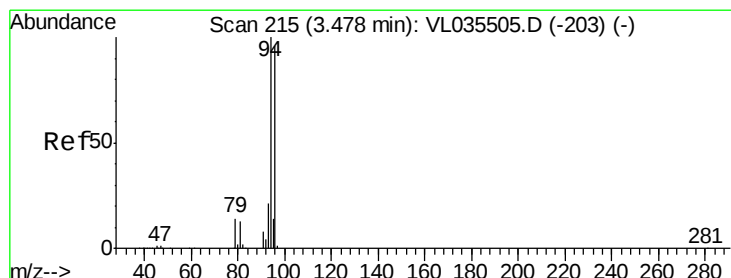
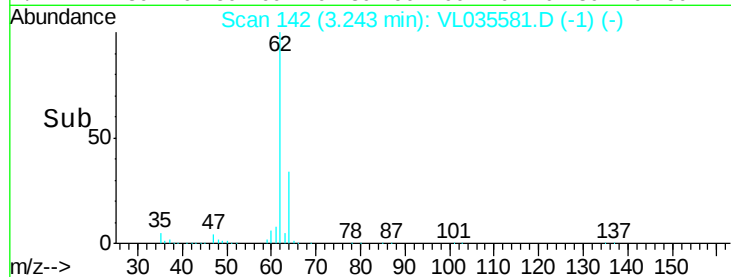
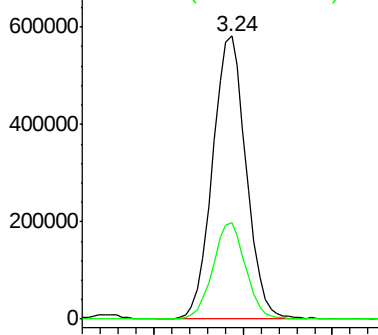
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.582 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035581.D

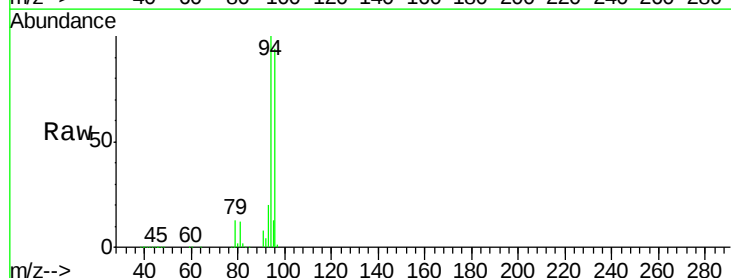
Acq: 10 Sep 2020 12:07

Tgt Ion: 94 Resp: 677720

Ion Ratio Lower Upper

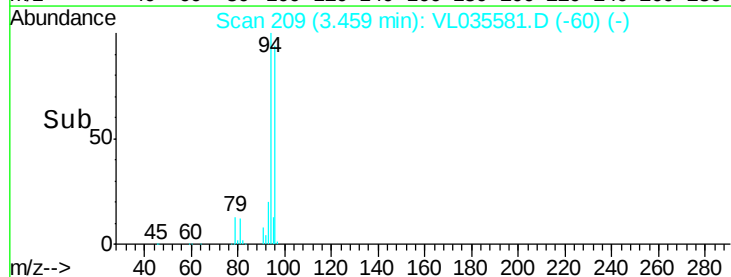
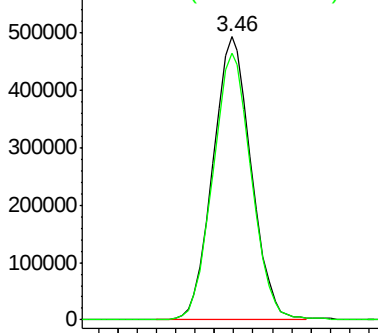
94 100

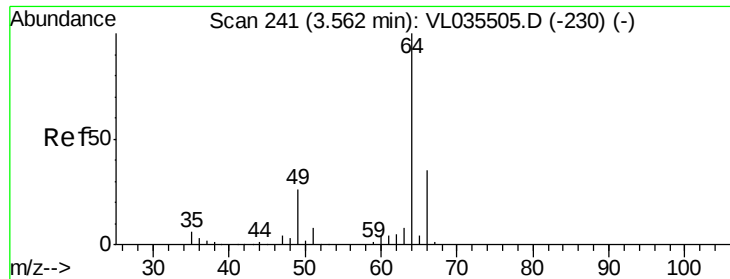
96 94.2 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.809 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 292020

Ion Ratio Lower Upper

64 100

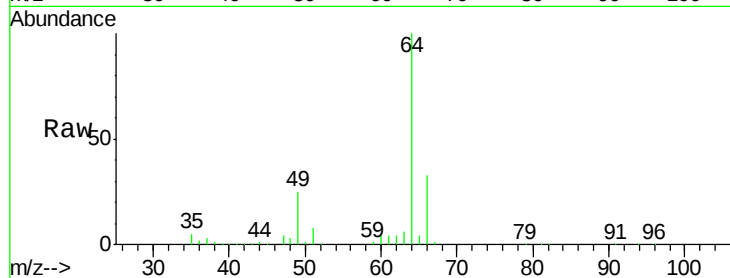
66 32.7 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

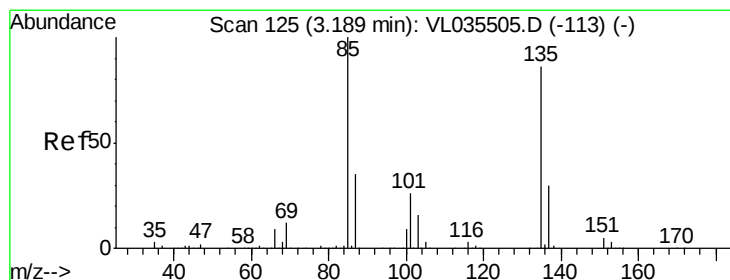
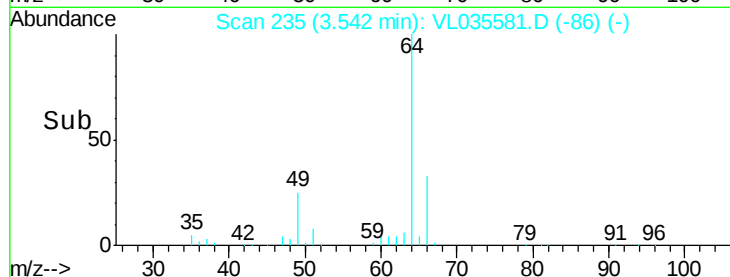
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.147 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL035581.D

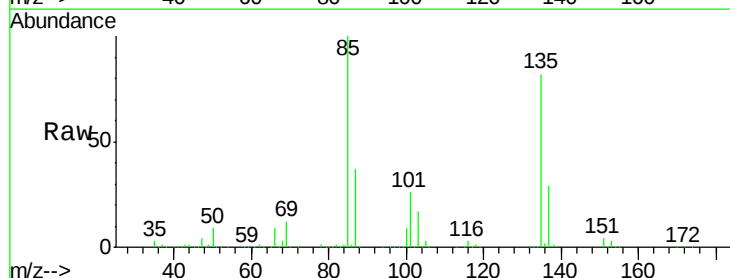
Acq: 10 Sep 2020 12:07

Tgt Ion: 85 Resp: 2212955

Ion Ratio Lower Upper

85 100

135 83.7 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

0

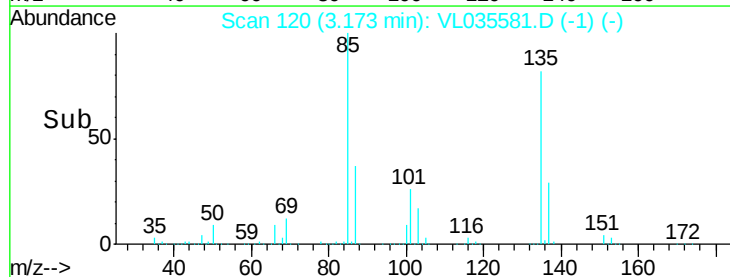
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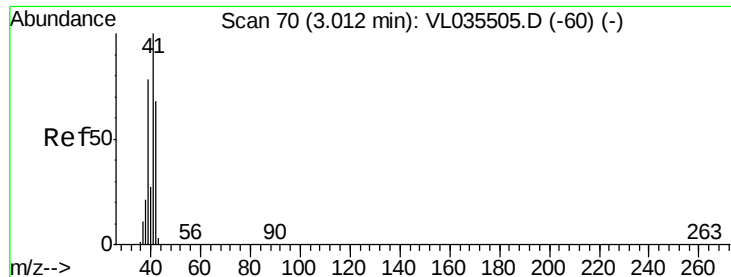
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.347 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 459415

Ion Ratio Lower Upper

41 100

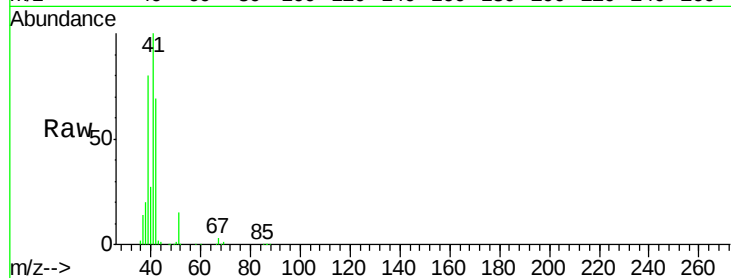
42 70.7 56.3 84.5

Manual Integrations

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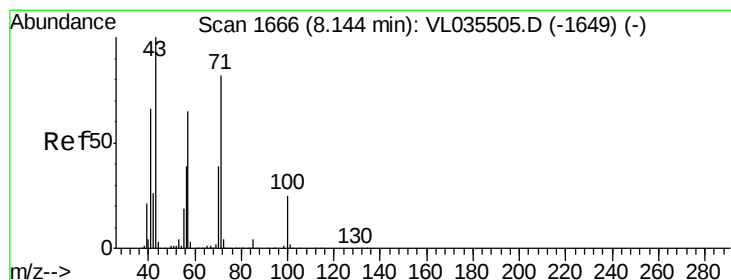
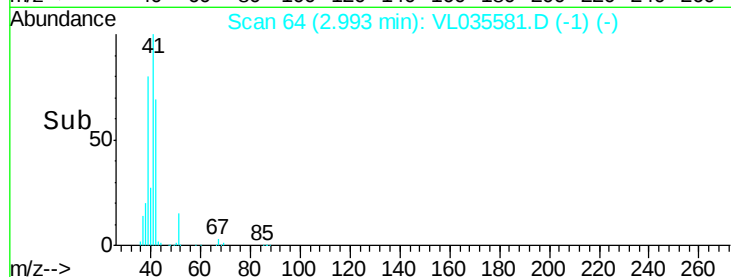
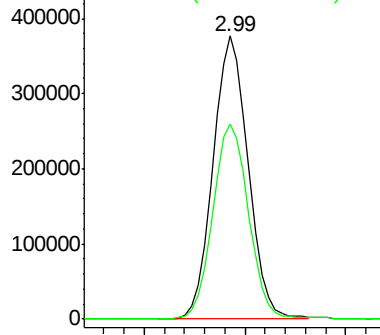
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.677 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.03 min

Lab File: VL035581.D

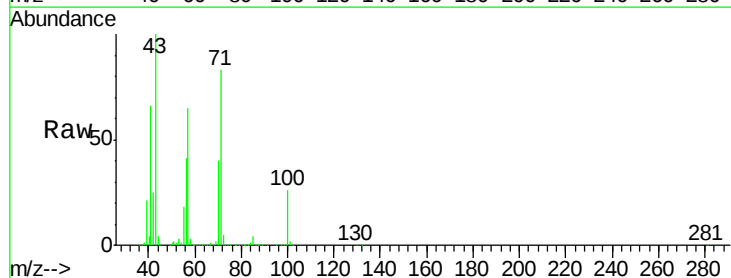
Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 1277476

Ion Ratio Lower Upper

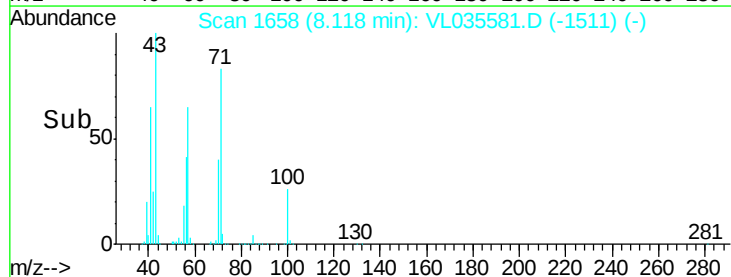
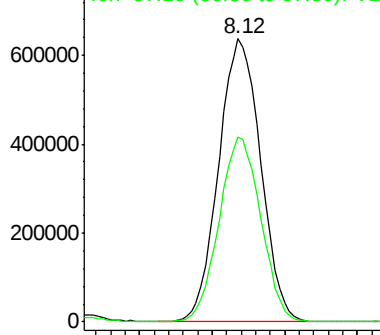
43 100

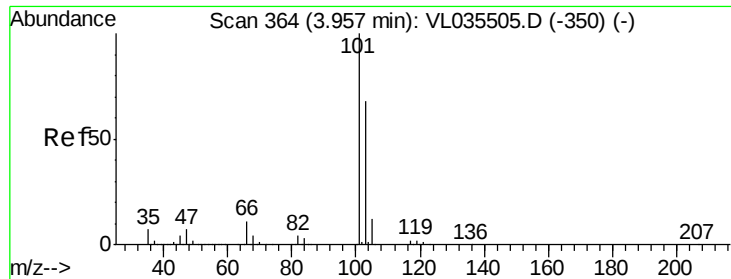
57 65.1 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





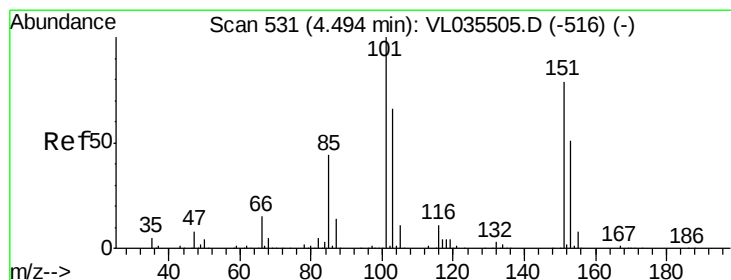
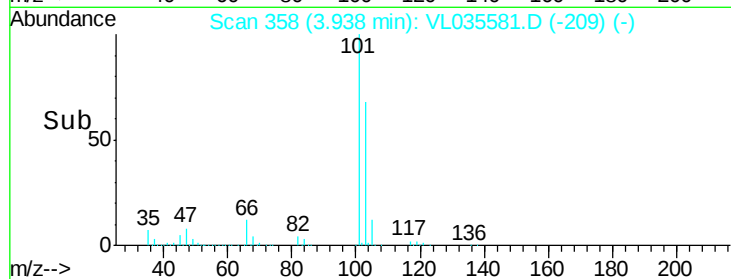
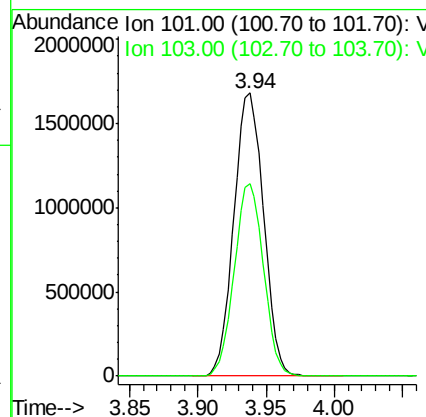
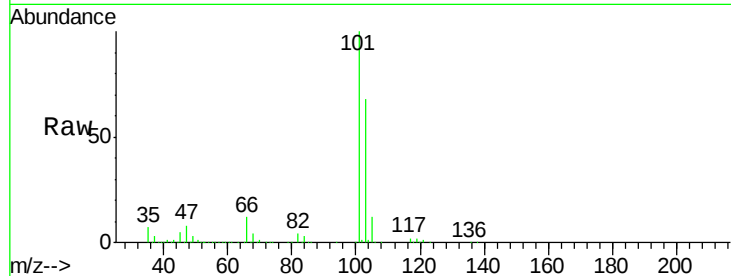
#11
 Trichlorofluoromethane
 Concen: 8.779 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2557617
 Ion Ratio Lower Upper
 101 100
 103 68.0 54.5 81.7

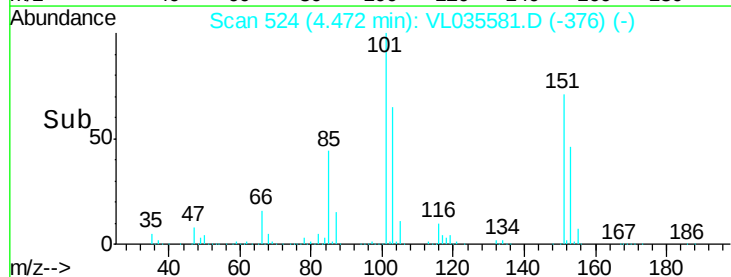
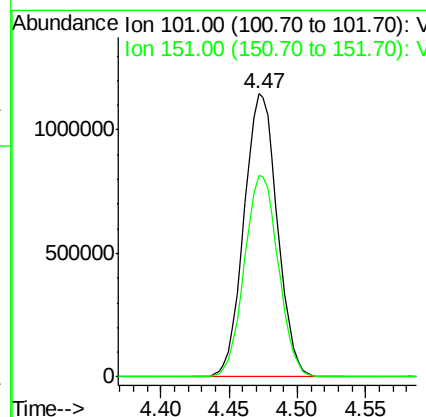
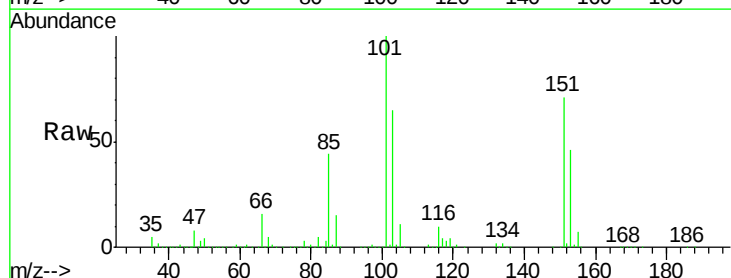
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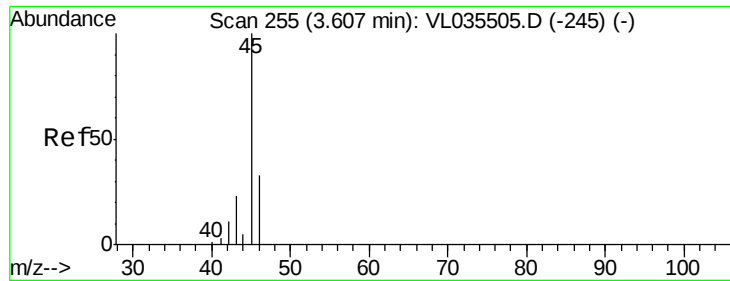
MMDadoda
 9/11/2020 2:03:10 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.845 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion:101 Resp: 1944897
 Ion Ratio Lower Upper
 101 100
 151 72.5 63.5 95.3





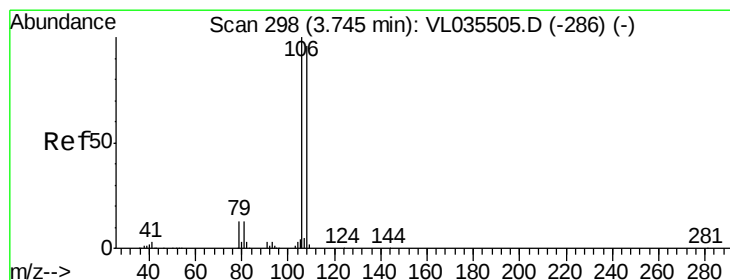
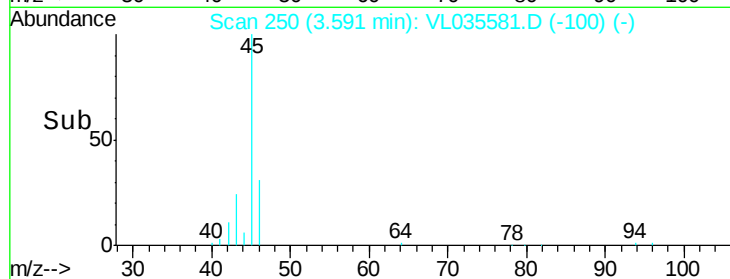
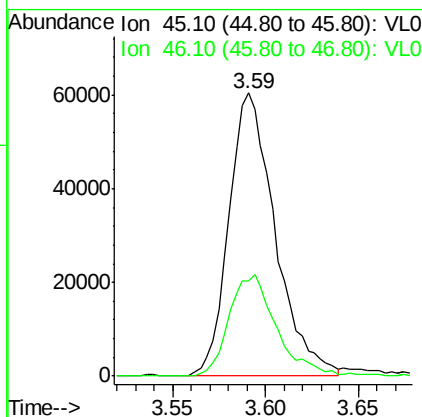
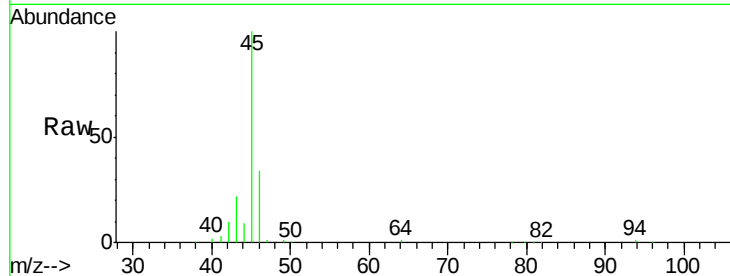
#13
Ethanol
Concen: 8.503 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
103612	100	37.1		15.2	60.6

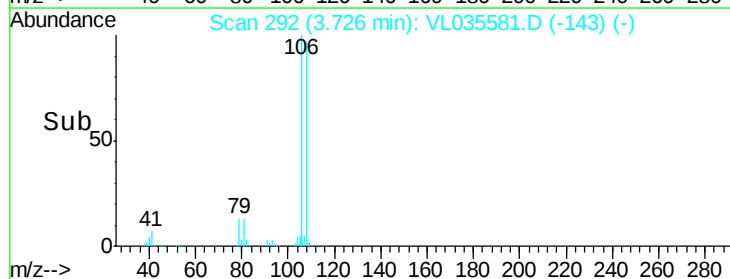
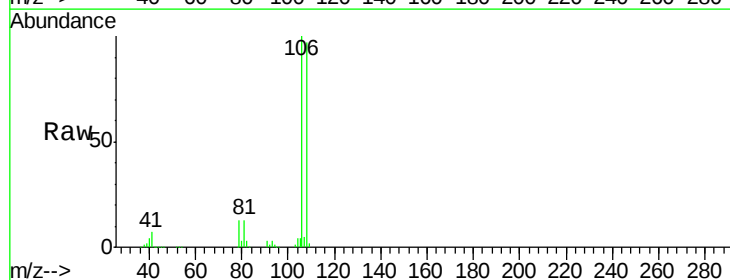
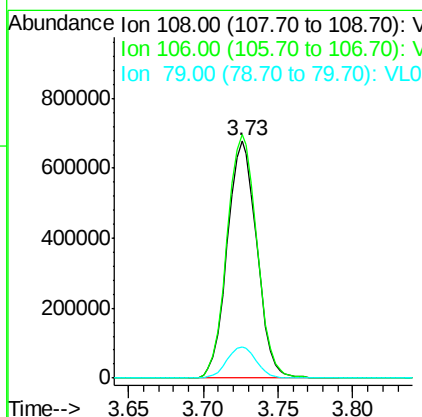
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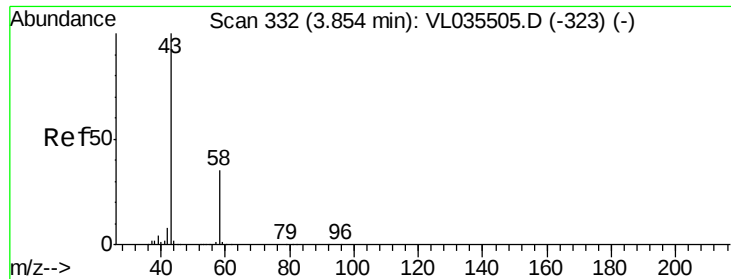
MMDadoda
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#14
Bromoethene
Concen: 9.867 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion	108	106	79	Ratio	Lower	Upper
933856	100	104.3	13.3		84.9	127.3





#15

Acetone

Concen: 8.132 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1033897

Ion Ratio Lower Upper

43 100

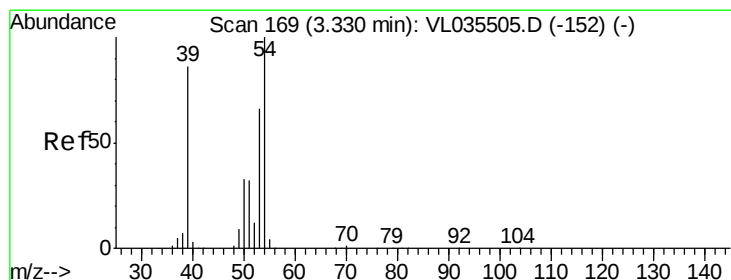
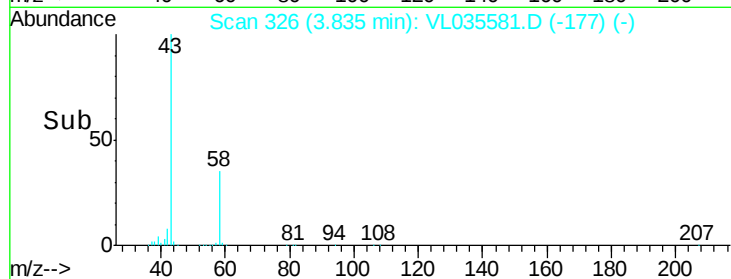
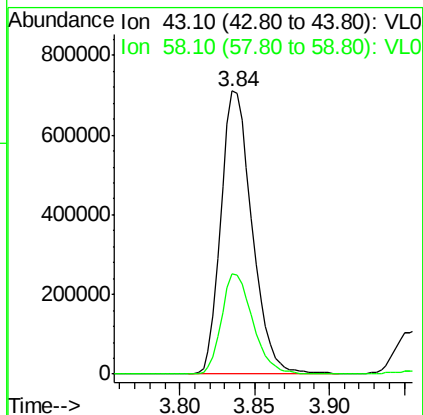
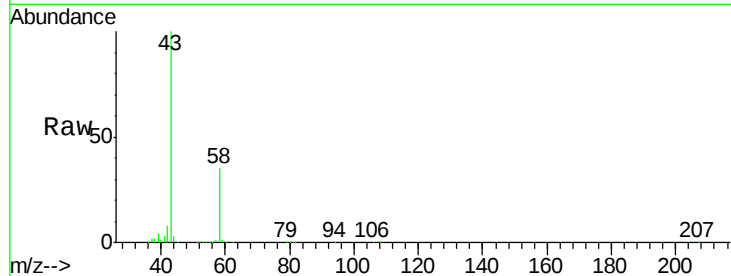
58 35.8 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.579 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035581.D

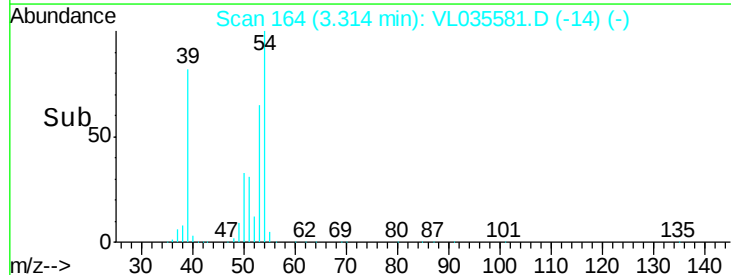
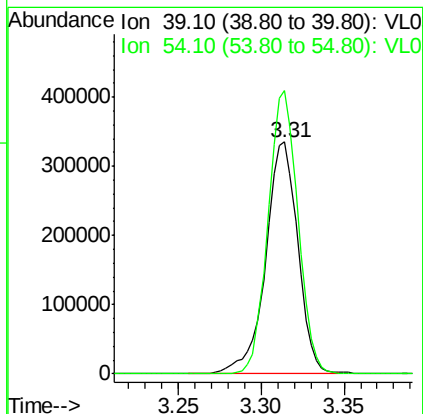
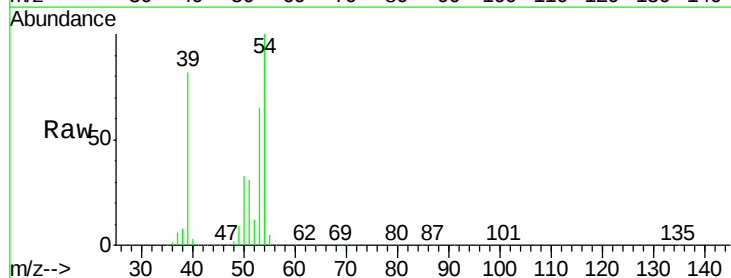
Acq: 10 Sep 2020 12:07

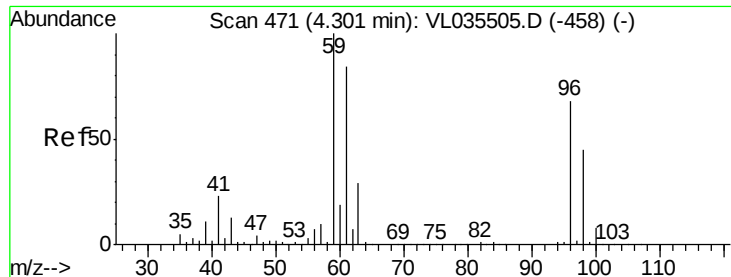
Tgt Ion: 39 Resp: 453344

Ion Ratio Lower Upper

39 100

54 113.7 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.108 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tot Ion: 59 Resp: 1564278

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

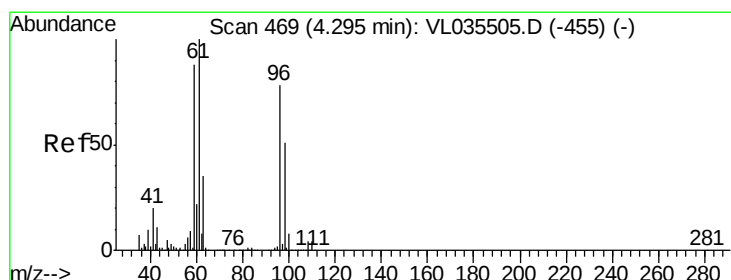
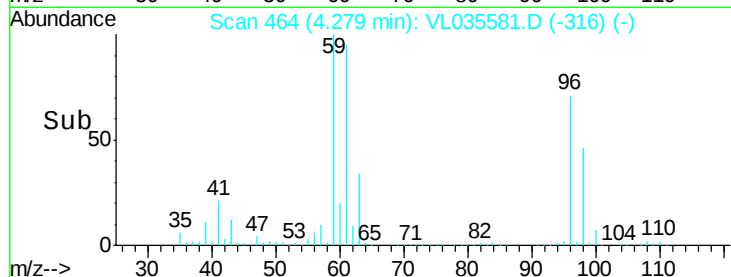
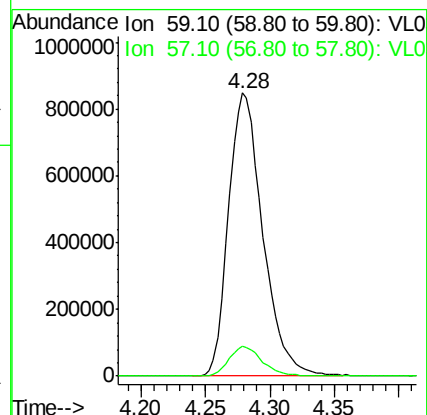
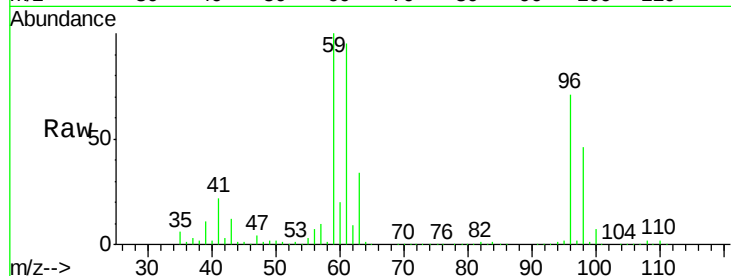
VSTDCCC010

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#18

1,1-Dichloroethene

Concen: 9.596 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

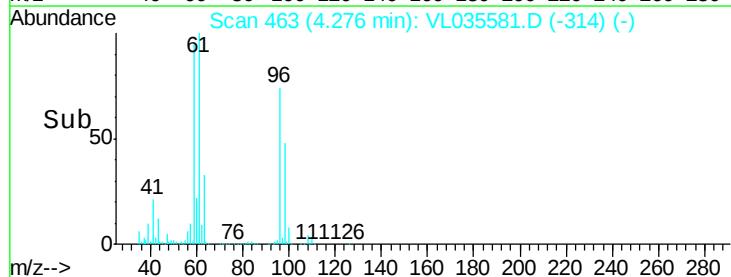
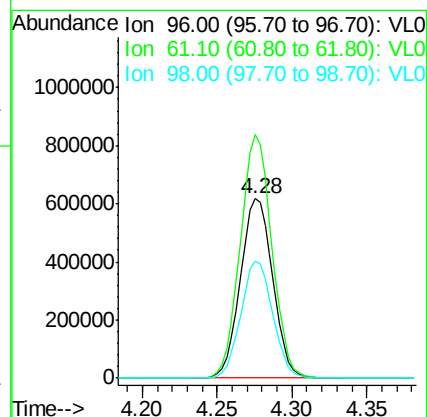
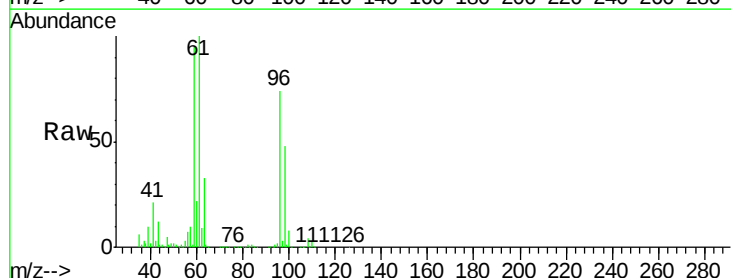
Tgt Ion: 96 Resp: 929110

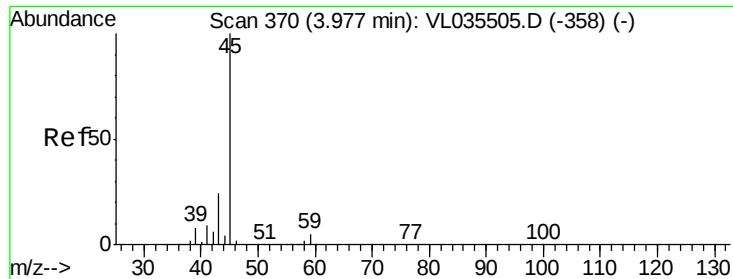
Ion Ratio Lower Upper

96 100

61 135.7 103.0 154.6

98 65.4 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.690 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 734888

Ion Ratio Lower Upper

45 100

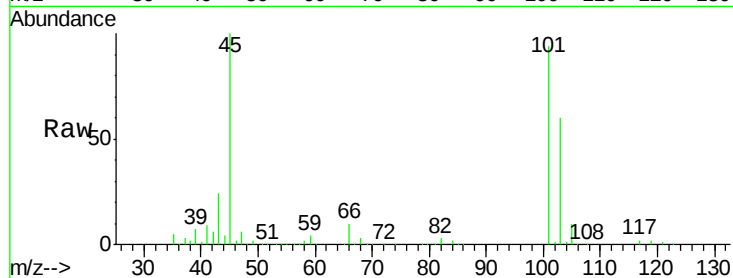
58 2.4 2.0 3.0

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

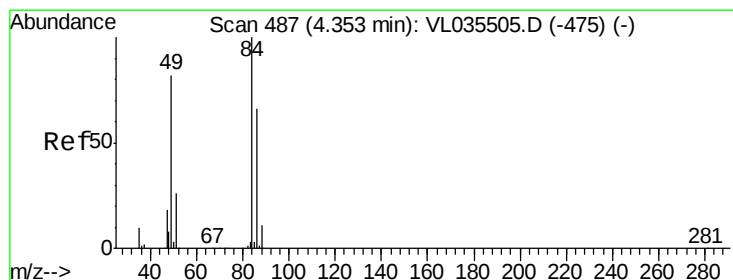
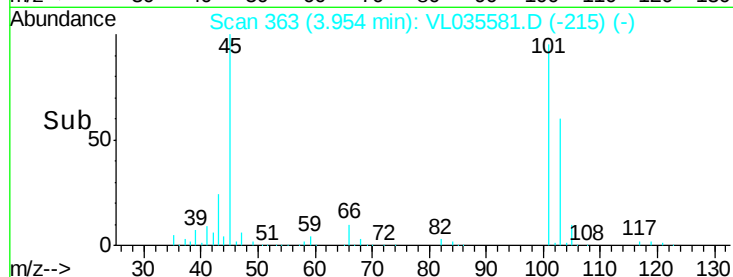
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.720 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 84 Resp: 825708

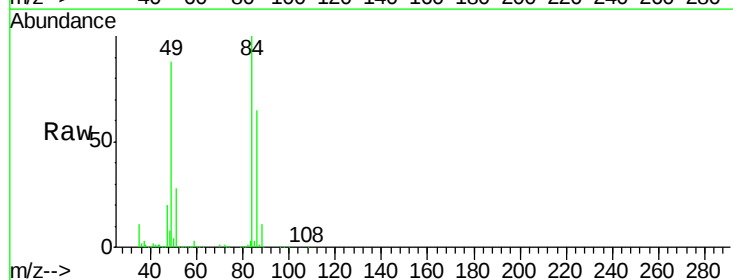
Ion Ratio Lower Upper

84 100

49 87.5 65.4 98.0

51 27.4 21.5 32.3

86 65.2 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

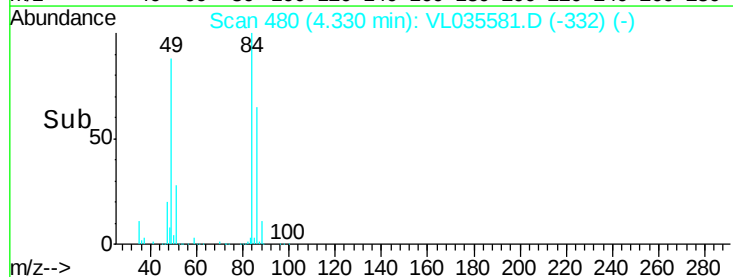
600000

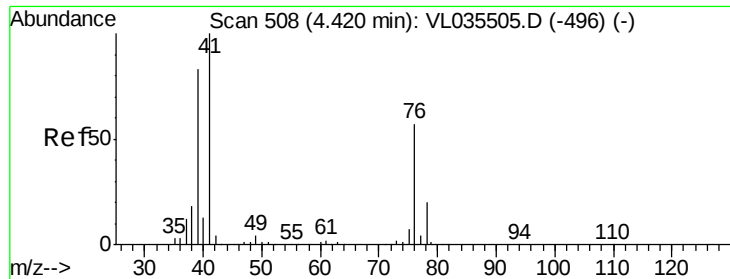
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.551 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

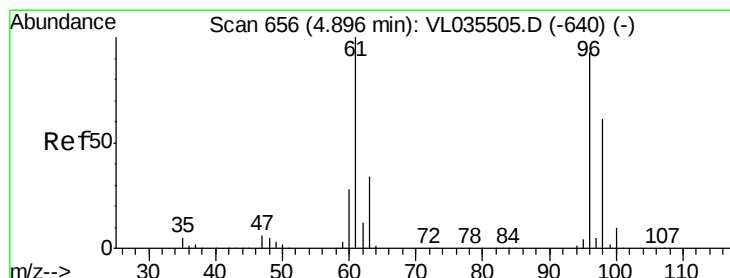
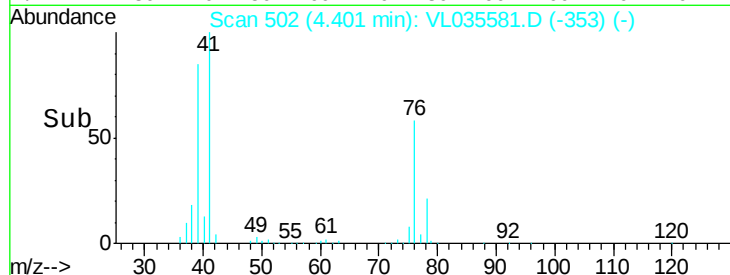
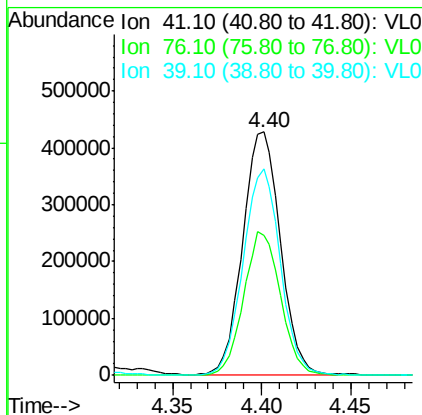
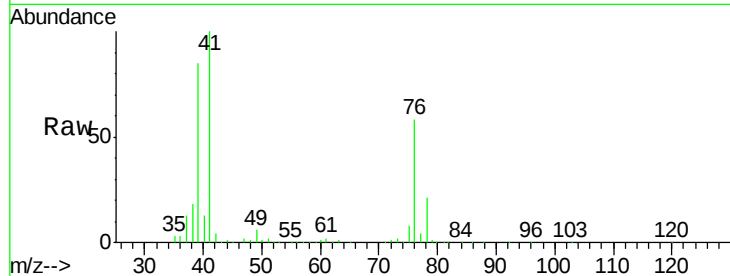
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	628453
Ion	Ratio	Lower	Upper
41	100		
76	58.1	46.2	69.2
39	84.2	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 9.219 ppbv

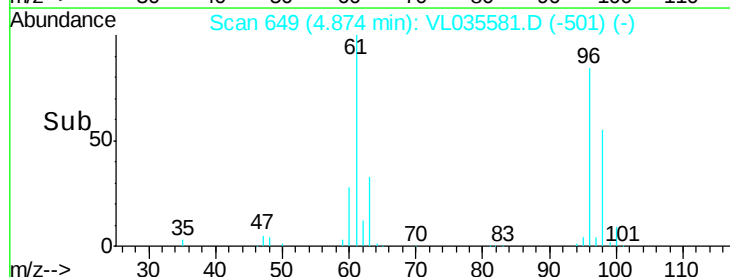
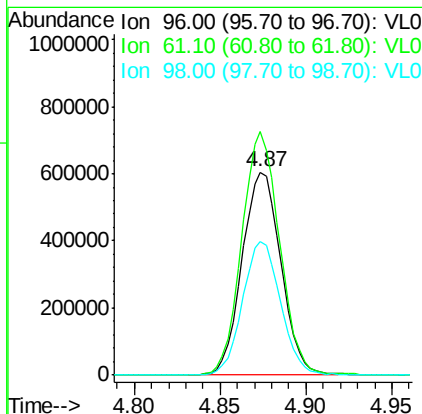
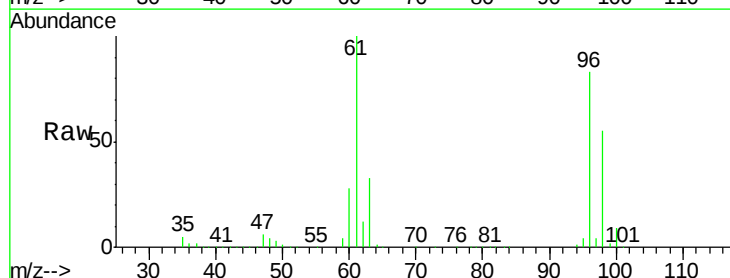
RT: 4.87 min Scan# 649

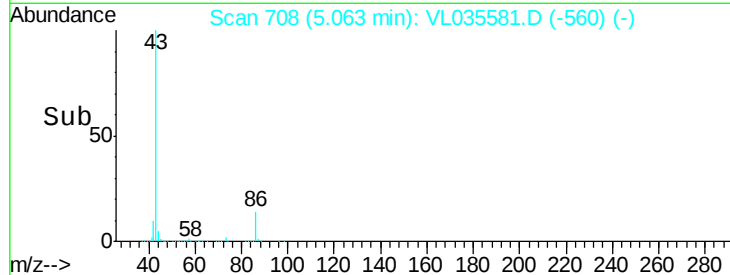
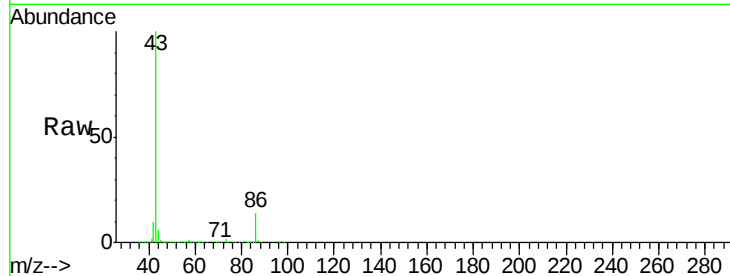
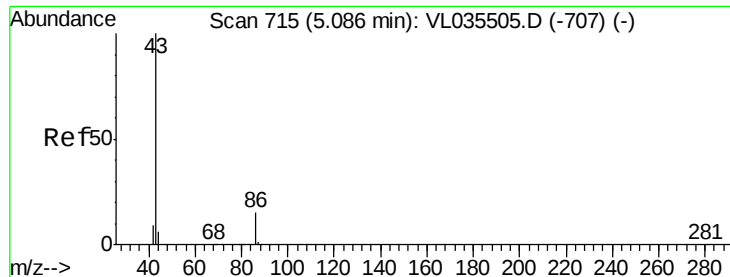
Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

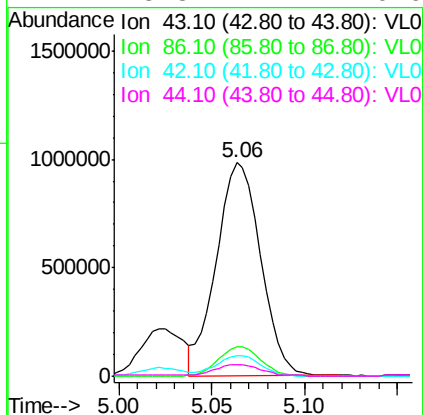
Tgt Ion:	96	Resp:	950277
Ion	Ratio	Lower	Upper
96	100		
61	119.8	86.0	129.0
98	65.4	52.3	78.5





#23
 Vinyl Acetate
 Concen: 9.968 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

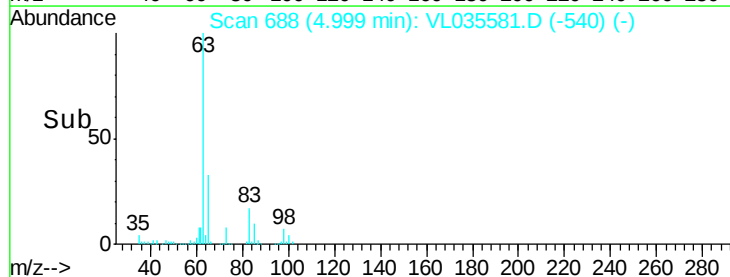
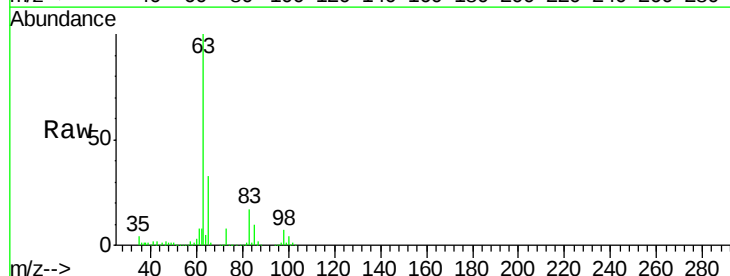
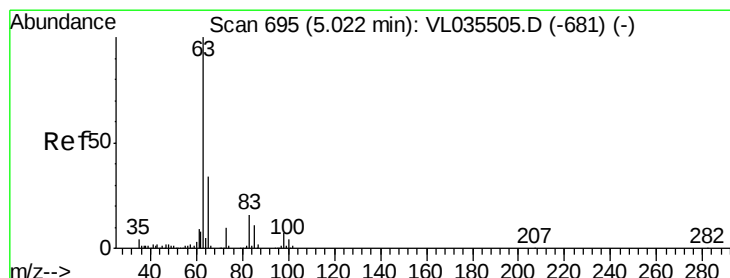
Tot Ion:	43	Resp:	1626450
Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	16.0
42	9.7	7.5	11.3
44	5.3	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

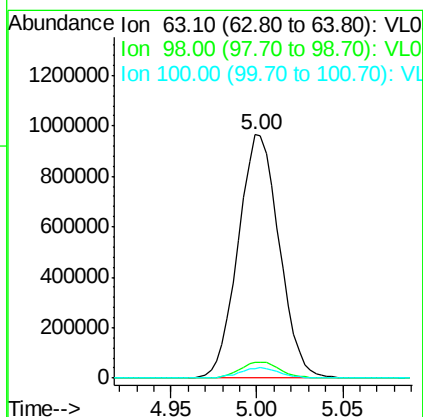
Manual Integrations
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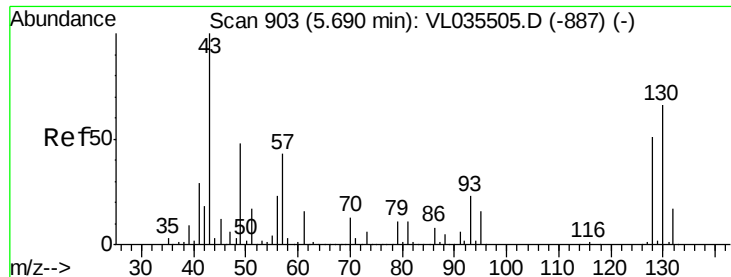
MMDadoda
 9/11/2020 2:03:10 PM



#24
 1,1-Dichloroethane
 Concen: 9.505 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion:	63	Resp:	1596171
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.1	6.5





#25

Ethyl Acetate

Concen: 9.465 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2125811

Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

61 13.5 10.6 16.0

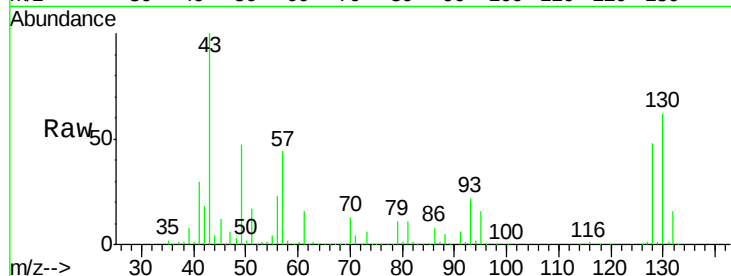
70 11.8 9.4 14.2

Manual Integrations

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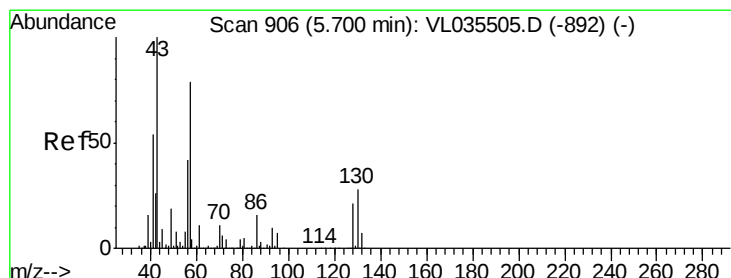
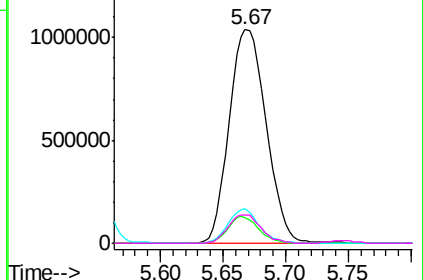
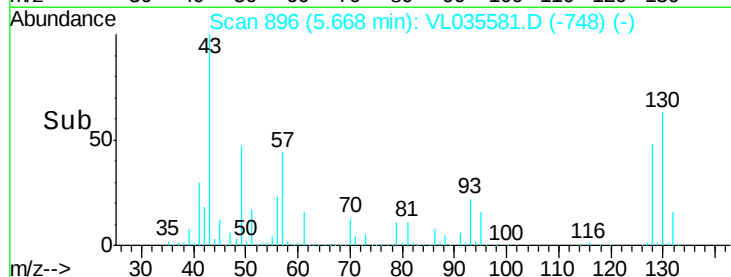


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.643 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 57 Resp: 1227155

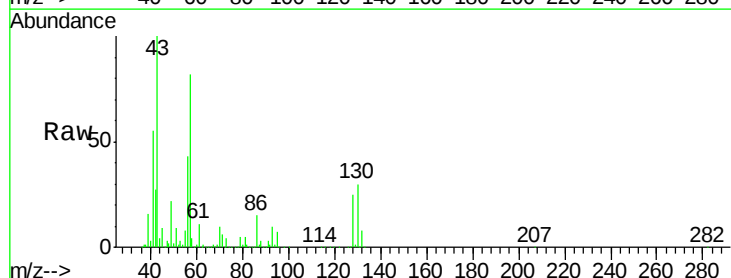
Ion Ratio Lower Upper

57 100

41 69.5 55.9 83.9

43 173.8 141.8 212.8

56 52.3 41.8 62.8

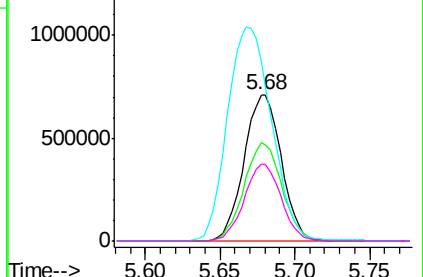
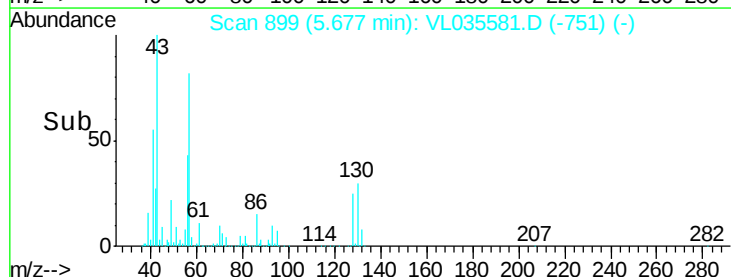


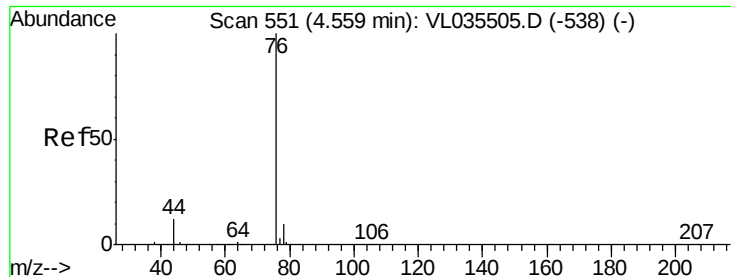
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.973 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2003754

Ion Ratio Lower Upper

76 100

44 11.5 9.3 13.9

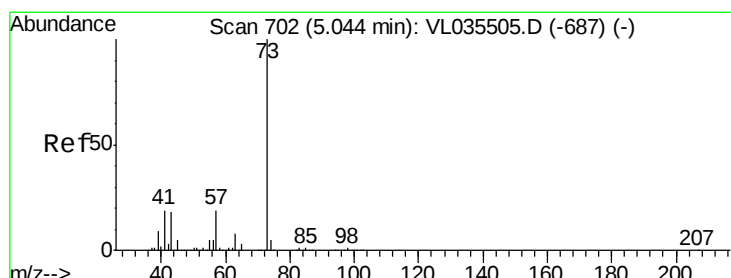
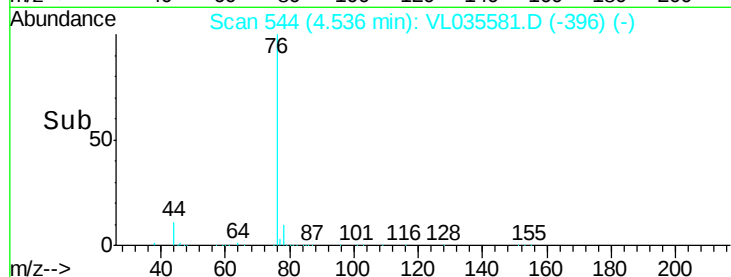
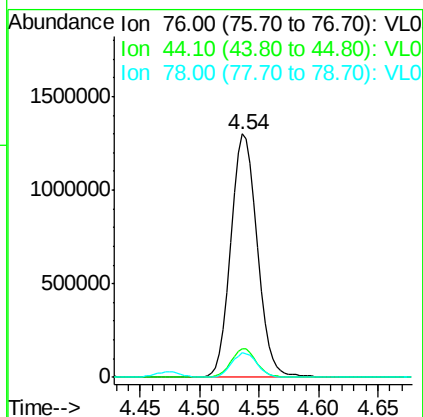
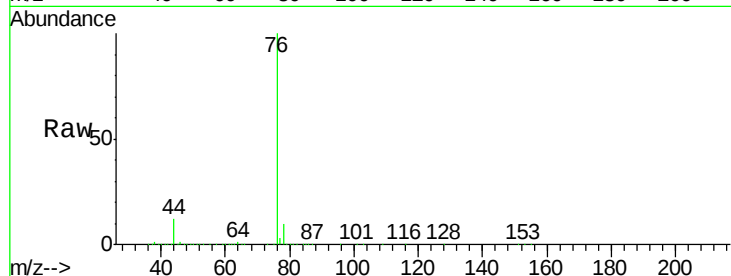
78 9.7 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 10.119 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035581.D

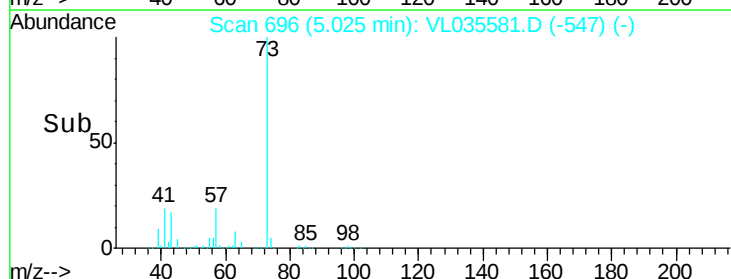
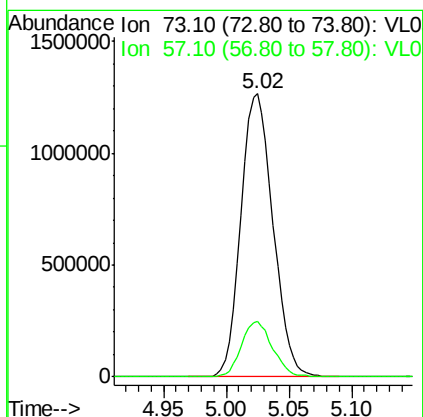
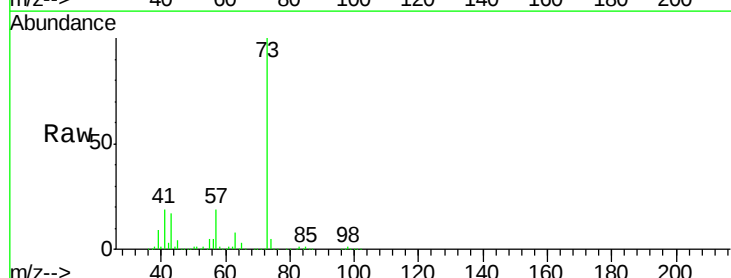
Acq: 10 Sep 2020 12:07

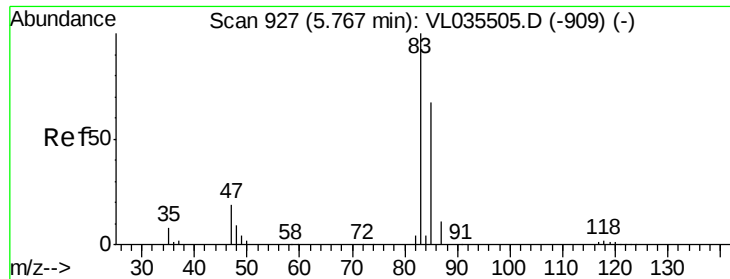
Tgt Ion: 73 Resp: 2244299

Ion Ratio Lower Upper

73 100

57 19.1 15.2 22.8





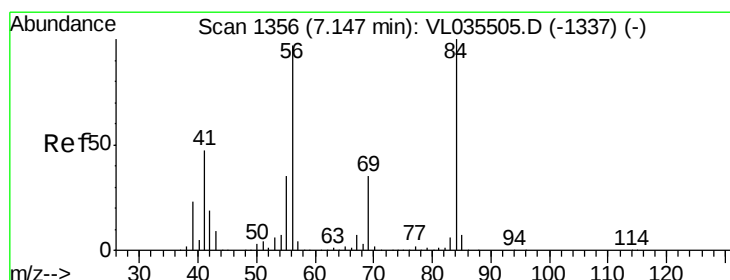
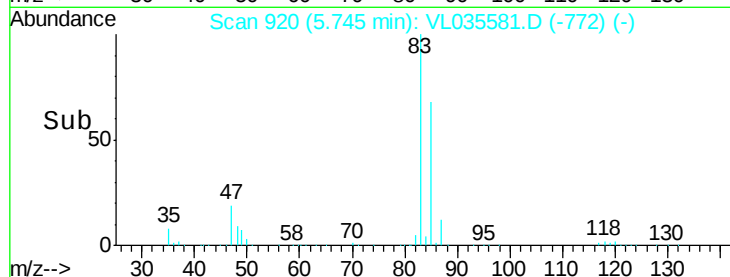
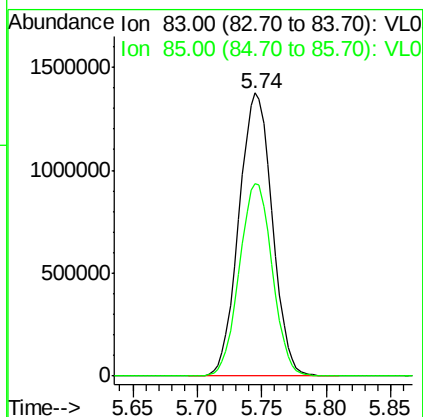
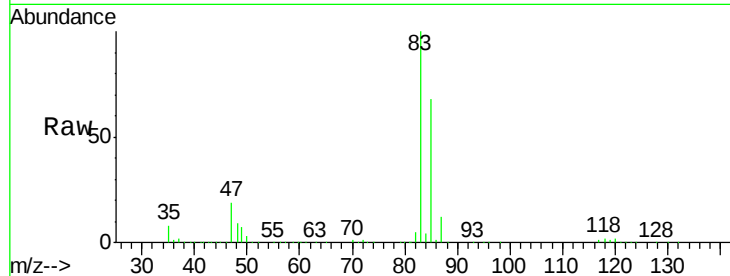
#29
Chloroform
Concen: 9.566 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2480393
Ion Ratio Lower Upper
83 100
85 68.0 53.9 80.9

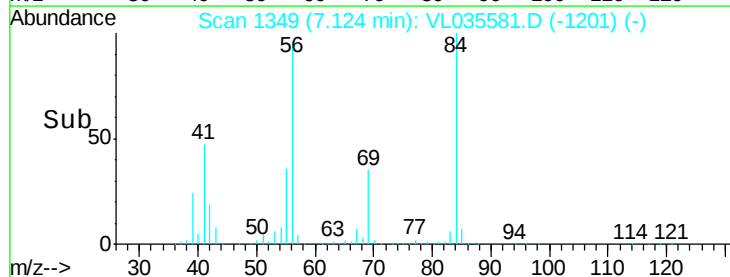
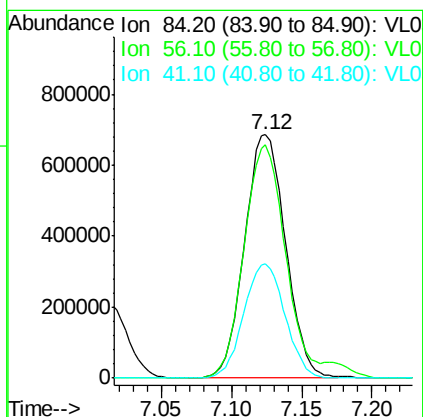
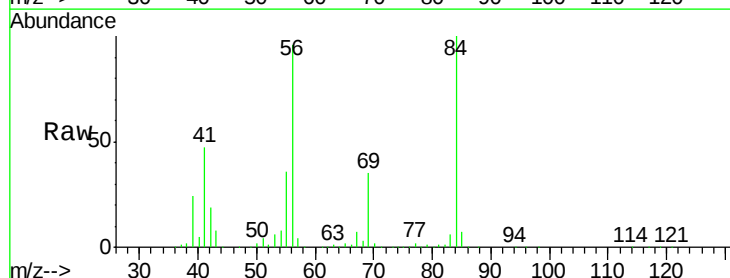
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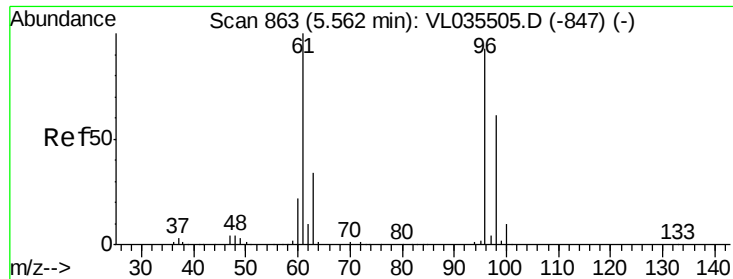
MMDadoda
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#30
Cyclohexane
Concen: 10.274 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 84 Resp: 1400645
Ion Ratio Lower Upper
84 100
56 100.7 80.1 120.1
41 47.1 38.1 57.1





#31

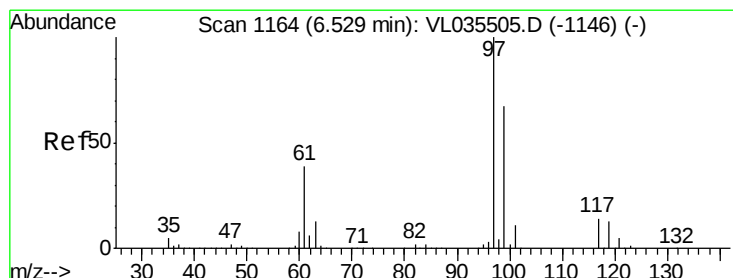
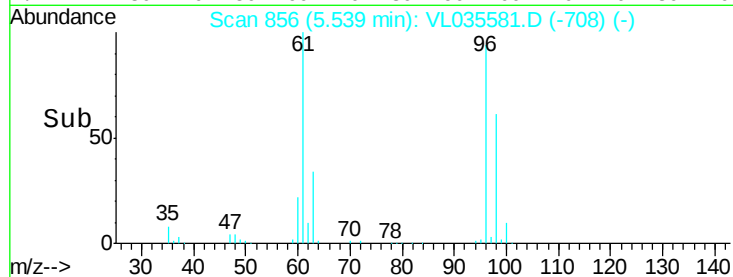
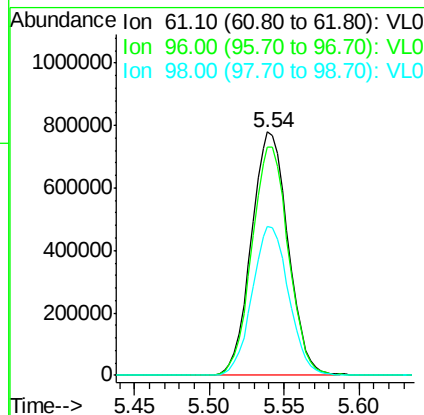
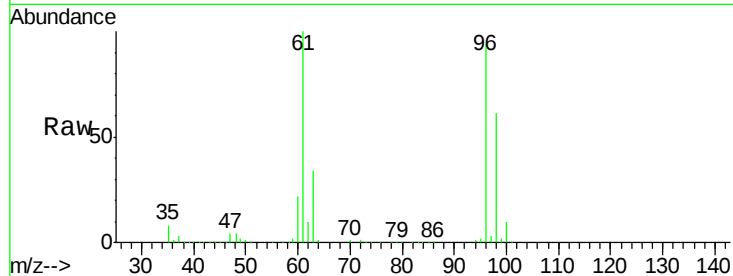
cis-1,2-Dichloroethene
 Concen: 10.189 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1330245
 Ion Ratio Lower Upper
 61 100
 96 93.9 74.4 111.6
 98 61.3 49.2 73.8

Manual Integrations
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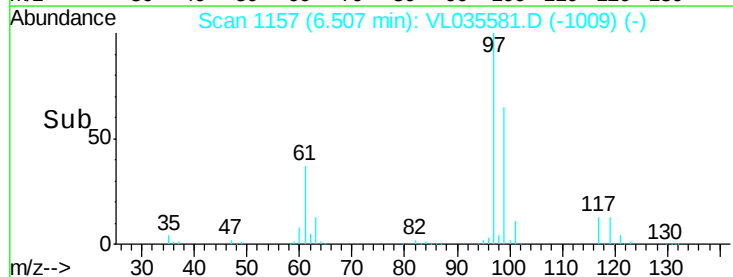
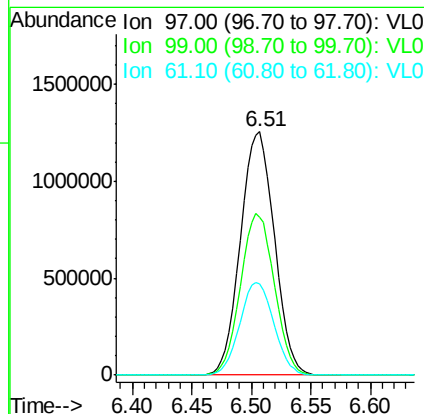
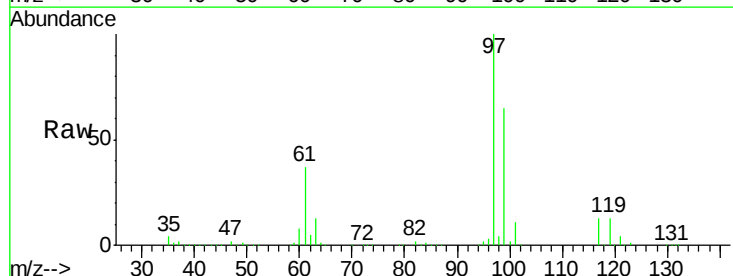
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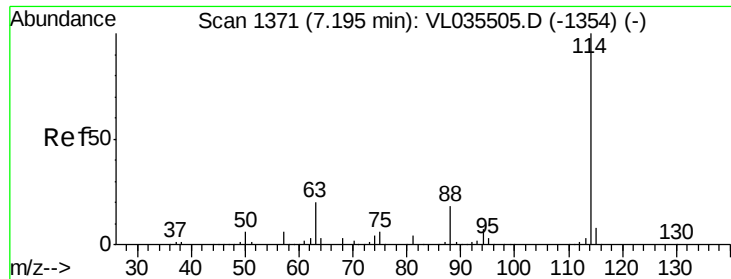


#32

1,1,1-Trichloroethane
 Concen: 9.892 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 97 Resp: 2488096
 Ion Ratio Lower Upper
 97 100
 99 66.2 53.3 79.9
 61 38.2 30.6 46.0





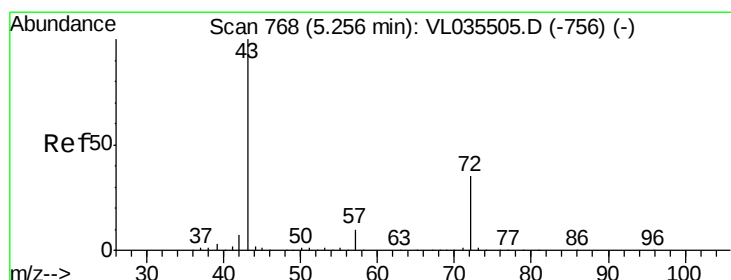
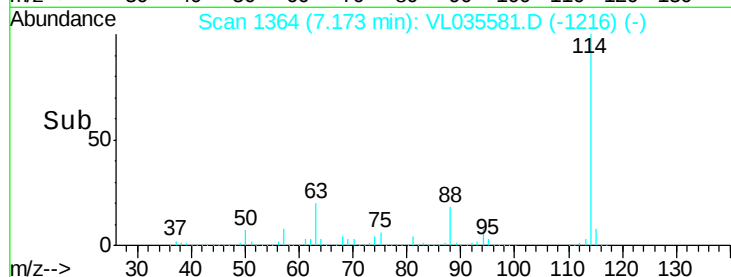
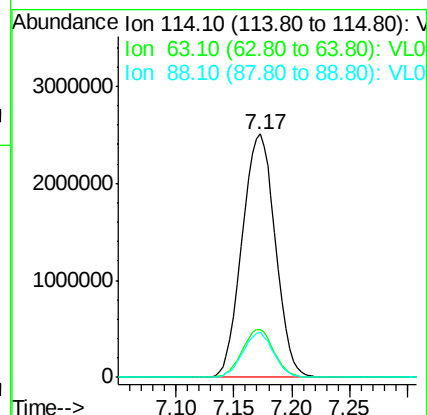
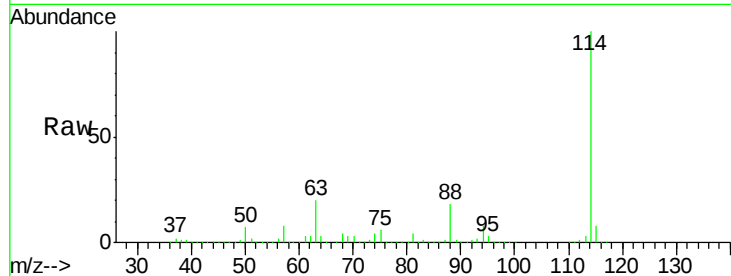
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4986606
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 17.1 13.4 20.2

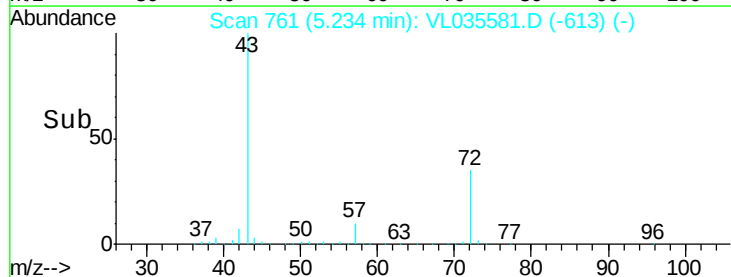
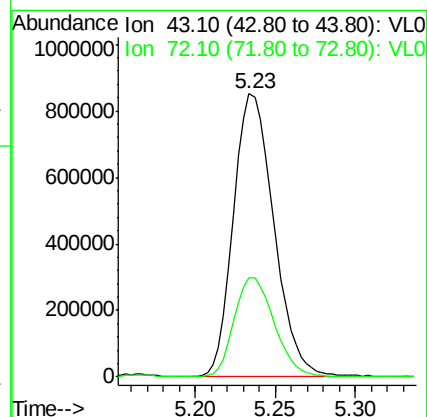
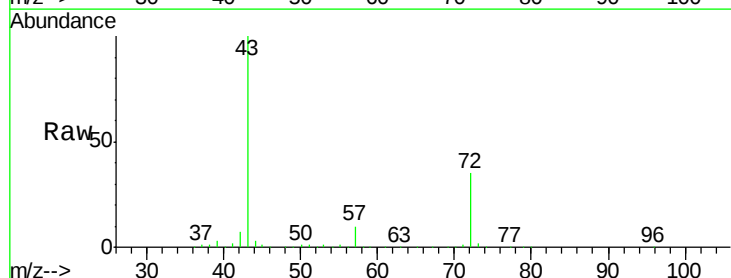
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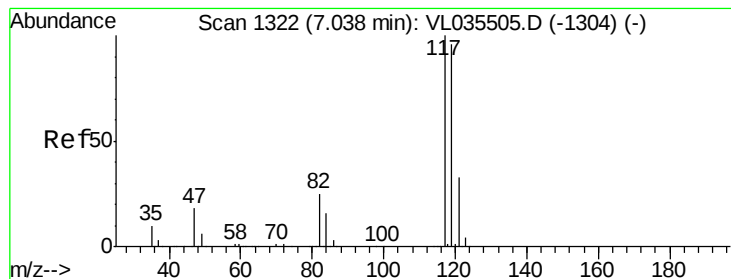
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#34
 2-Butanone
 Concen: 9.880 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 1462185
 Ion Ratio Lower Upper
 43 100
 72 35.1 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.222 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2561828

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8

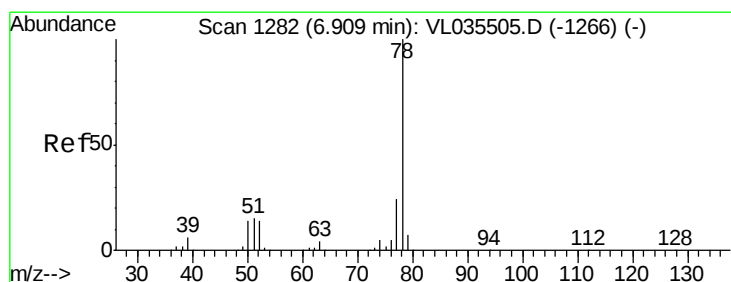
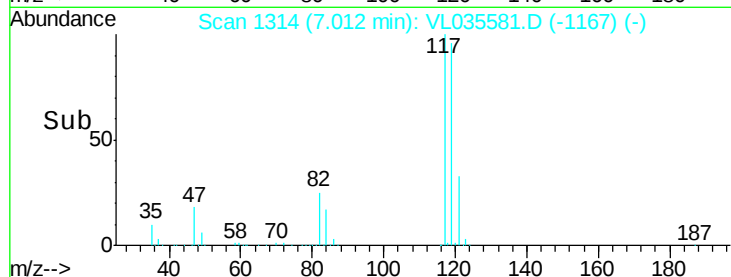
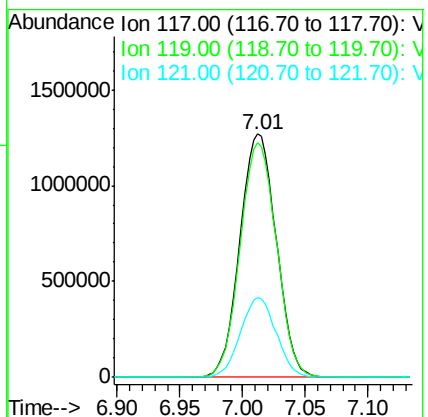
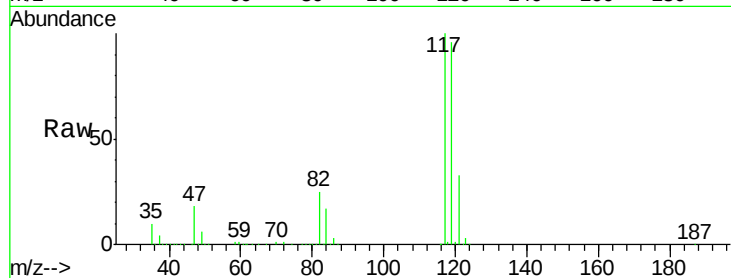
121 32.8 26.1 39.1

Manual Integrations

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#36

Benzene

Concen: 9.976 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

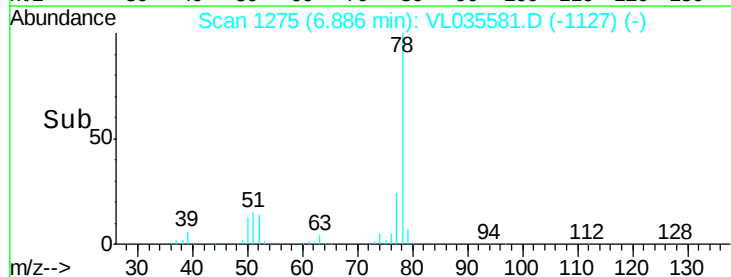
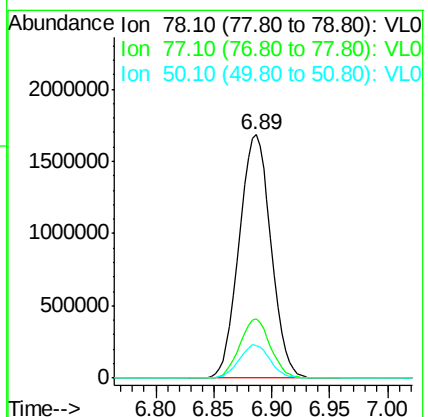
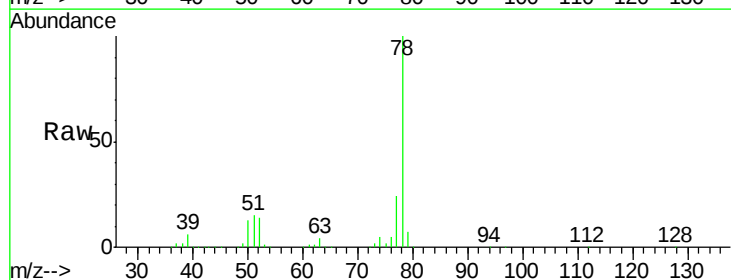
Tgt Ion: 78 Resp: 3220169

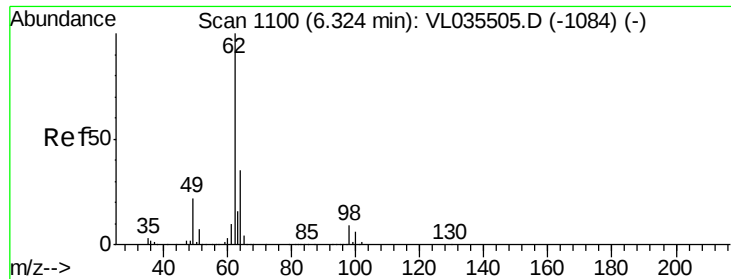
Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

50 13.4 11.0 16.6





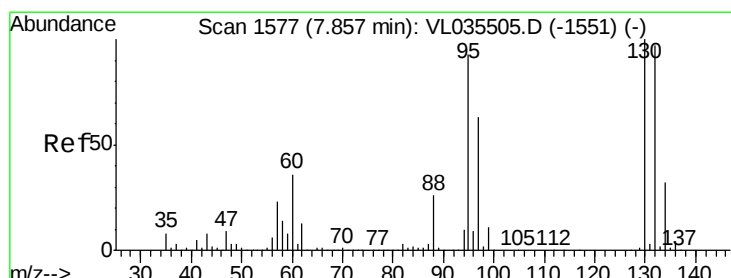
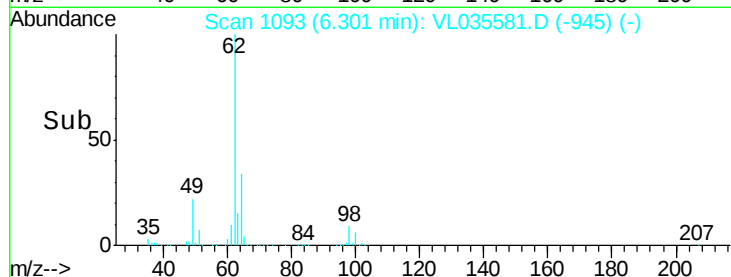
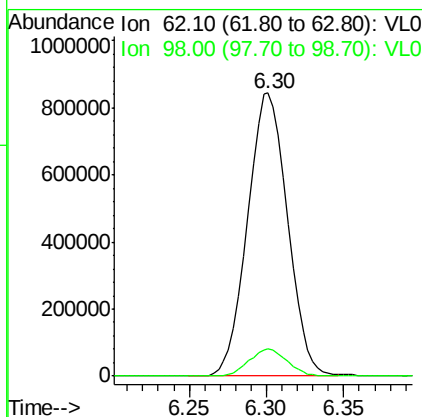
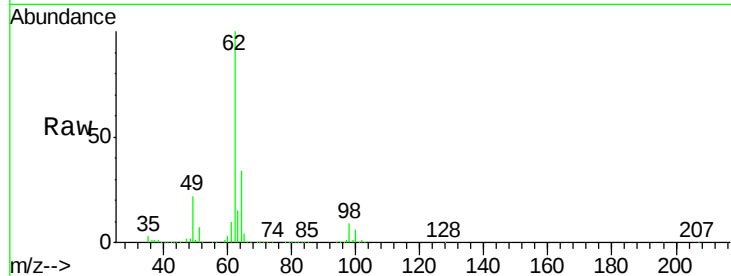
#37
 1,2-Dichloroethane
 Concen: 9.879 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1520367
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0

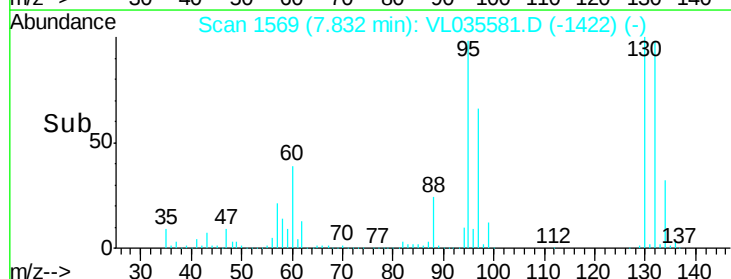
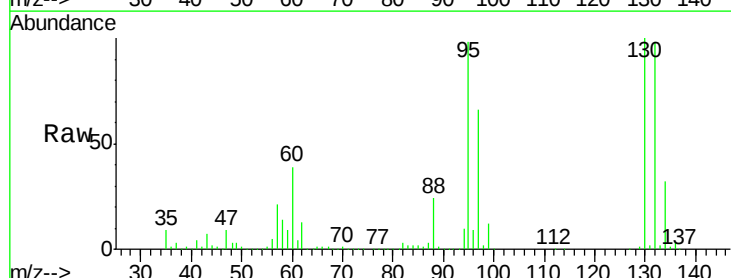
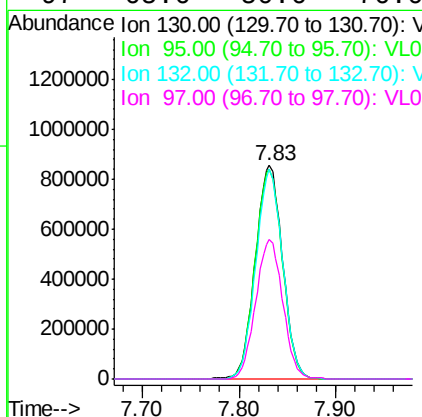
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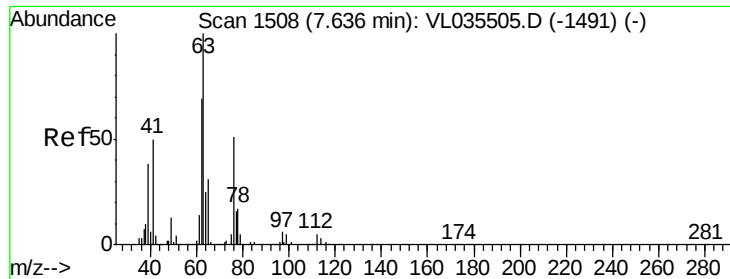
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#38
 Trichloroethene
 Concen: 8.958 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 130 Resp: 1679640
 Ion Ratio Lower Upper
 130 100
 95 98.0 74.6 112.0
 132 98.3 77.6 116.4
 97 65.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 9.891 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1078550

Ion Ratio Lower Upper

63 100

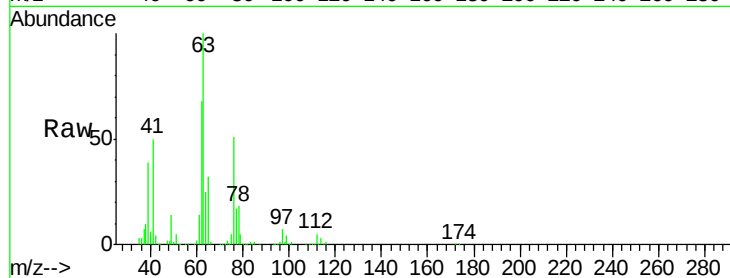
41 49.8 40.0 60.0

62 68.3 55.4 83.0

Manual Integrations
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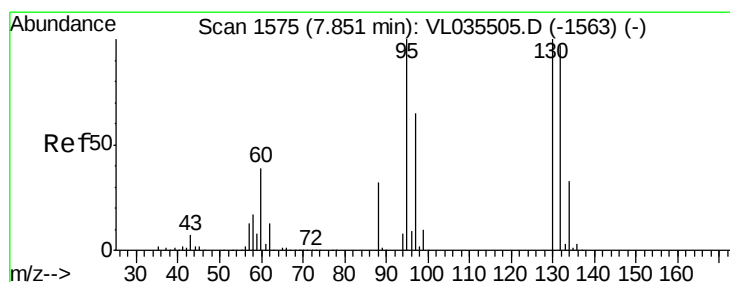
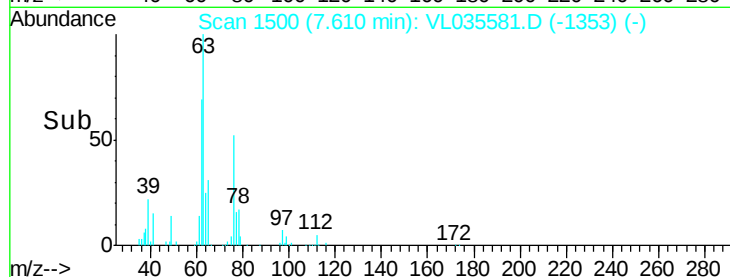
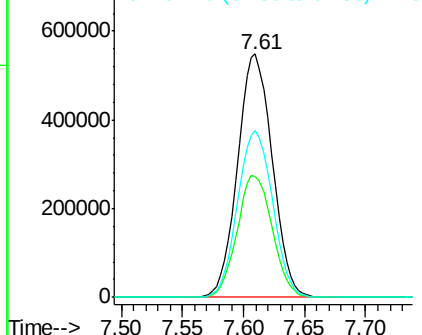
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.638 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 88 Resp: 524978

Ion Ratio Lower Upper

88 100

58 91.3 68.7 103.1

43 142.2 104.3 156.5

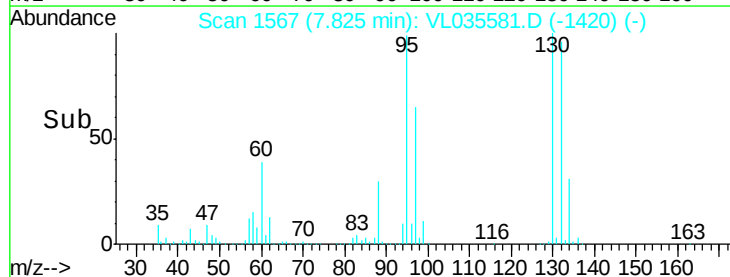
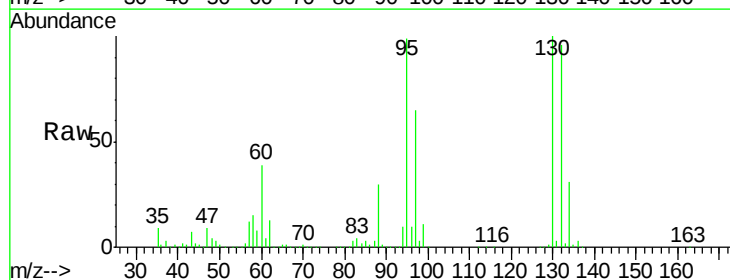
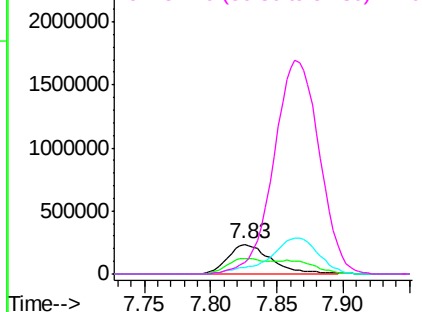
57 777.6 560.7 841.1

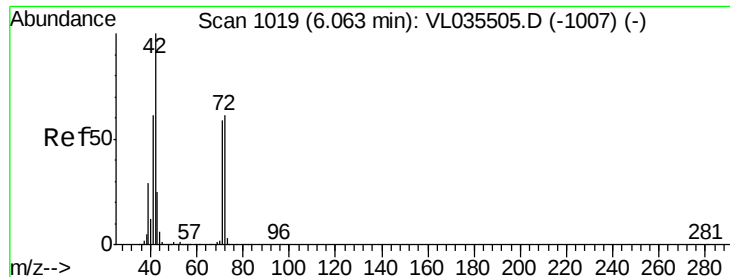
Abundance Ion 88.10 (87.80 to 88.80): VL0

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





#41

Tetrahydrofuran

Concen: 10.602 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

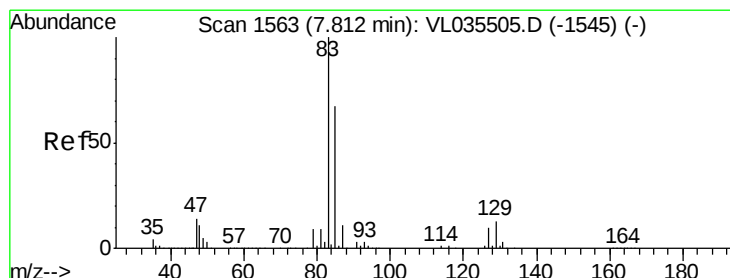
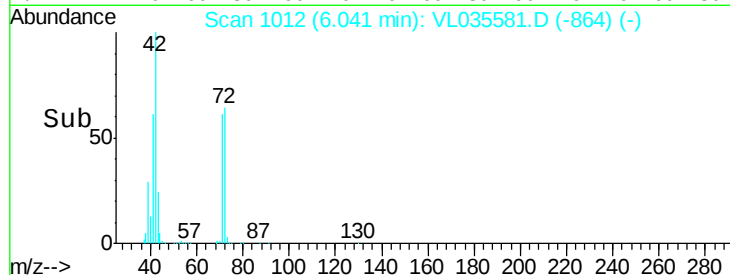
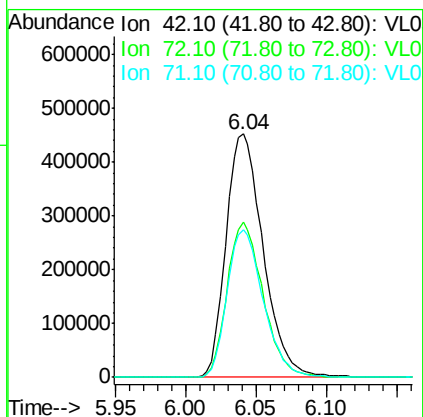
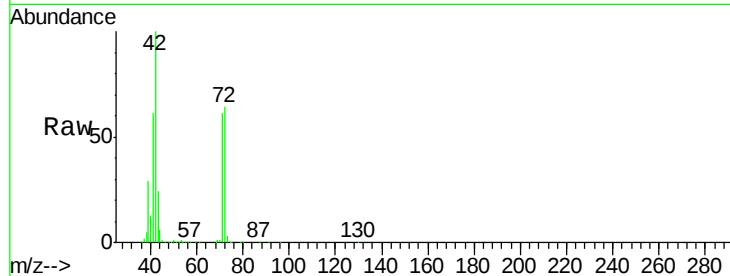
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	831970
Ion	Ratio	Lower	Upper
42	100		
72	62.1	48.6	73.0
71	59.5	46.1	69.1

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#42

Bromodichloromethane

Concen: 10.625 ppbv

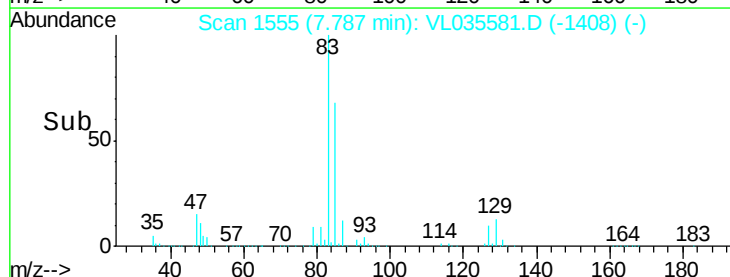
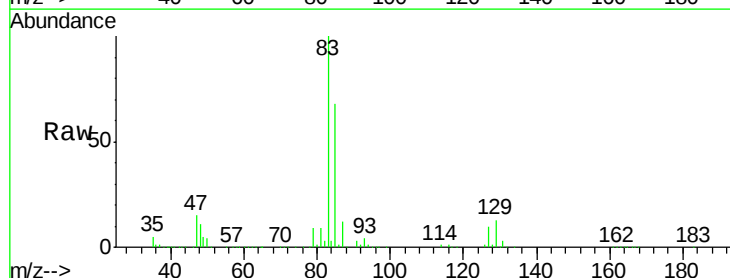
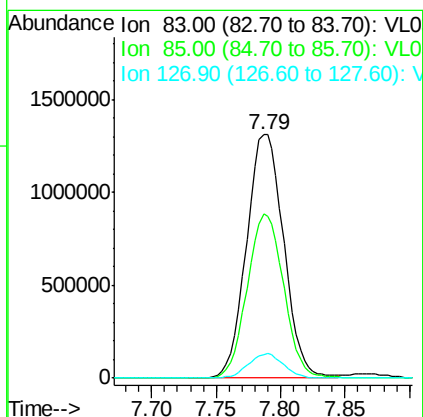
RT: 7.79 min Scan# 1555

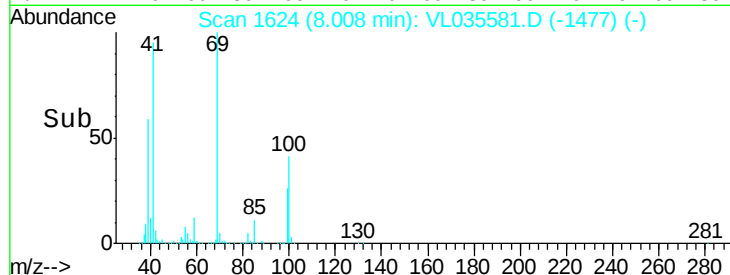
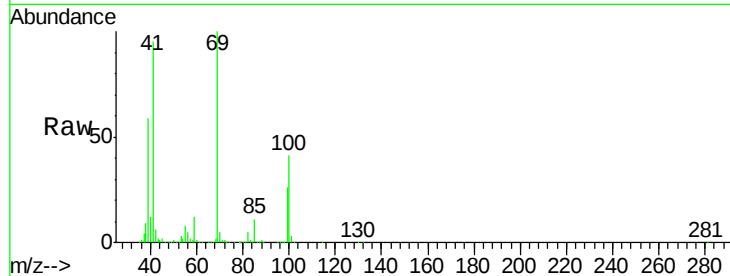
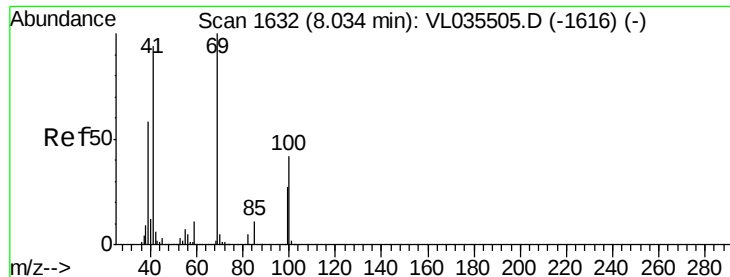
Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:	83	Resp:	2644153
Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.7	80.5
127	9.7	8.1	12.1





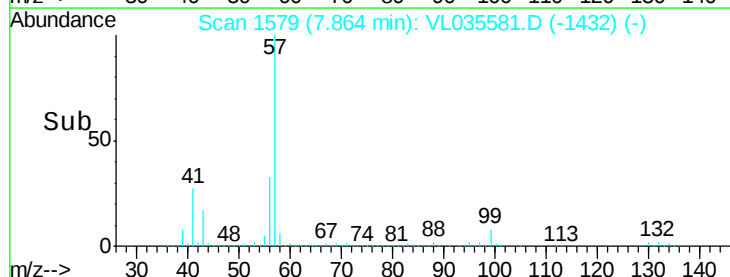
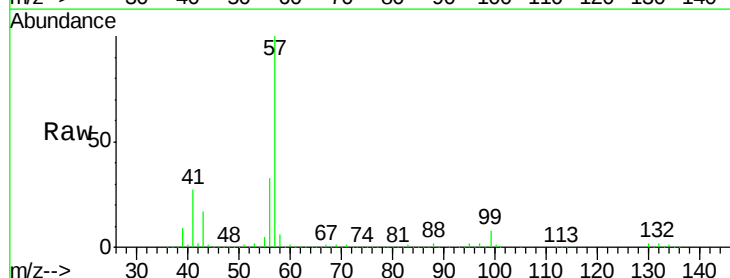
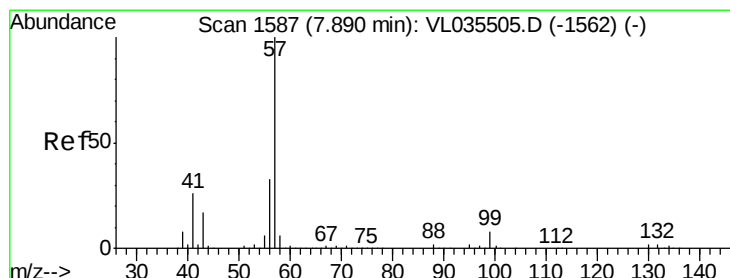
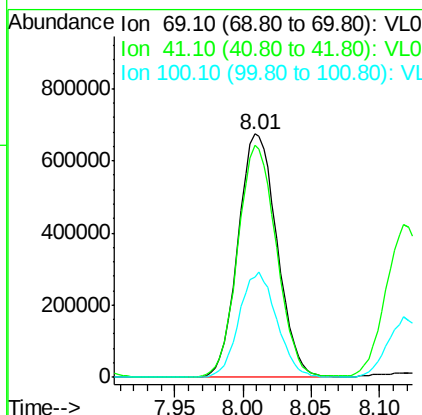
#43
Methvl Methacrilate
Concen: 10.712 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tot Ion: 69 Resp: 1337009
Ion Ratio Lower Upper
69 100
41 94.5 76.6 114.8
100 41.7 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

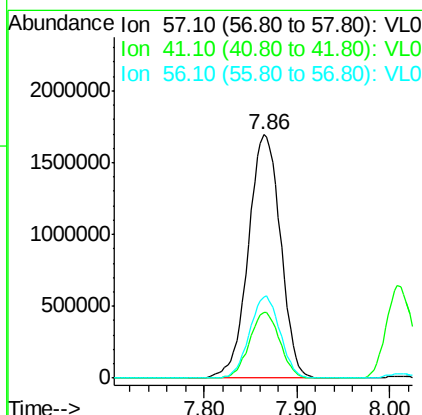
Manual Integrations
APPROVED

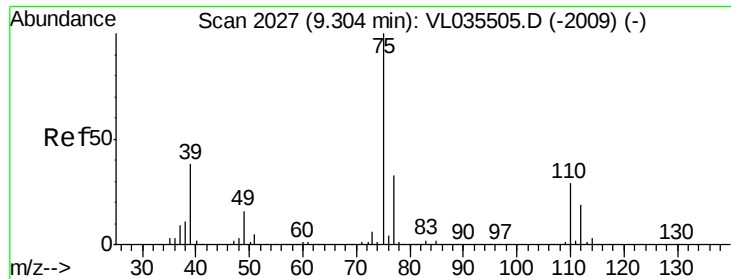
MMDadoda
9/11/2020 2:03:10 PM



#44
2,2,4-Trimethylpentane
Concen: 9.604 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 57 Resp: 4078904
Ion Ratio Lower Upper
57 100
41 25.5 20.5 30.7
56 31.9 25.3 37.9





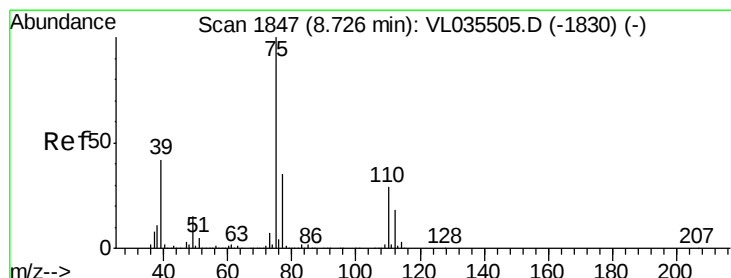
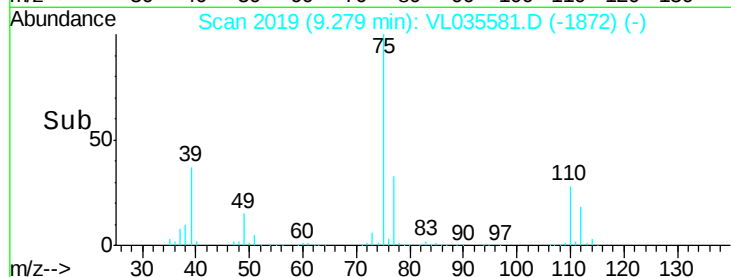
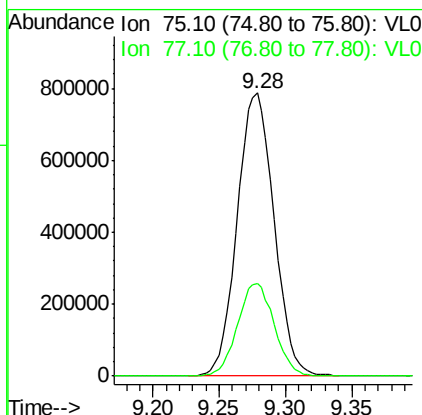
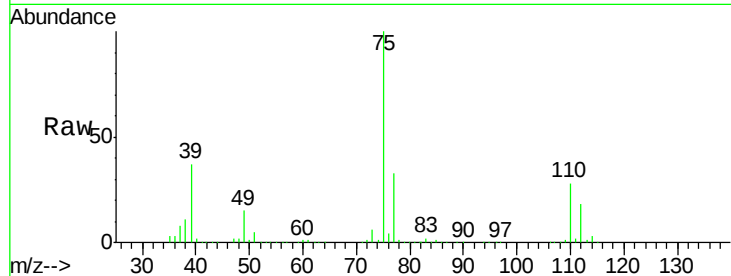
#45
t-1,3-Dichloropropene
Concen: 12.015 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1519214
Ion Ratio Lower Upper
75 100
77 32.9 26.5 39.7

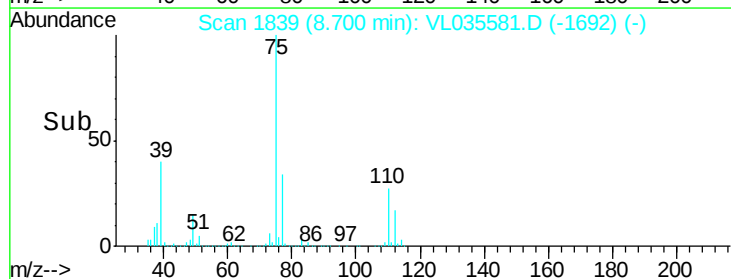
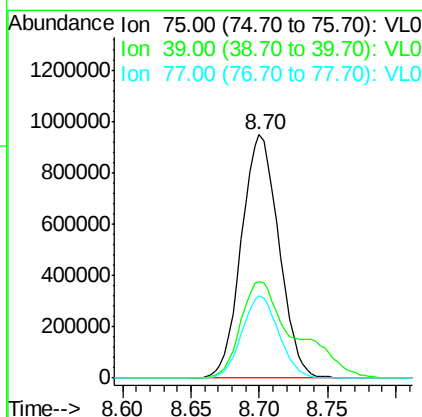
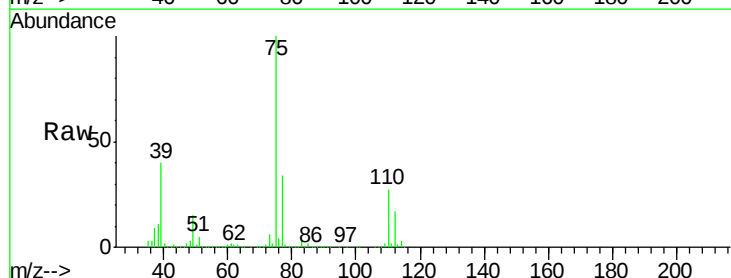
Manual Integrations
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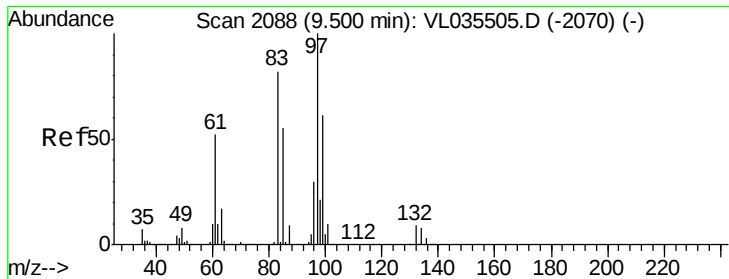
MMDadoda
9/11/2020 2:03:10 PM



#46
cis-1,3-Dichloropropene
Concen: 11.528 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 75 Resp: 1809848
Ion Ratio Lower Upper
75 100
39 39.8 33.7 50.5
77 33.8 27.8 41.6





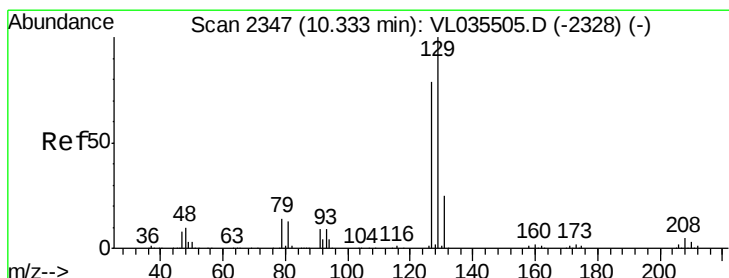
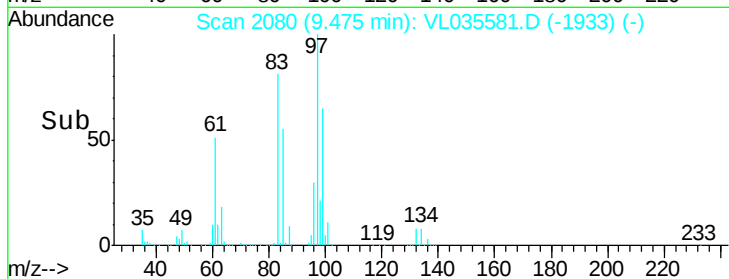
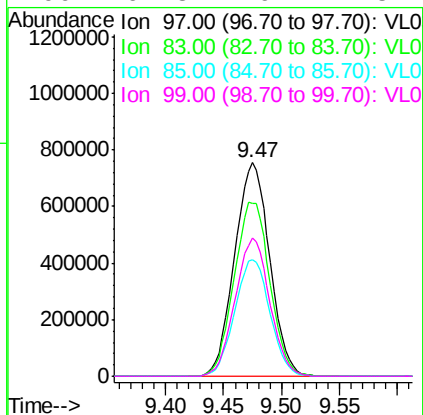
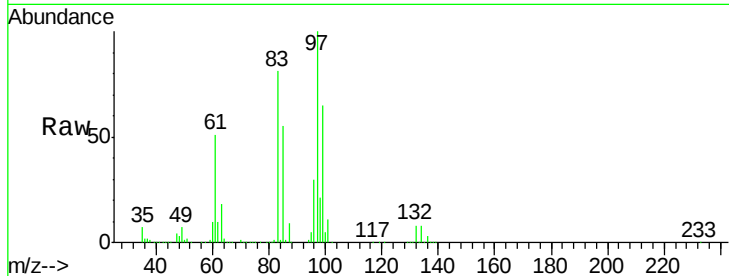
#47
 1,1,2-Trichloroethane
 Concen: 9.839 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.1	65.4	98.2	
85	54.8	43.7	65.5	
99	64.8	49.1	73.7	

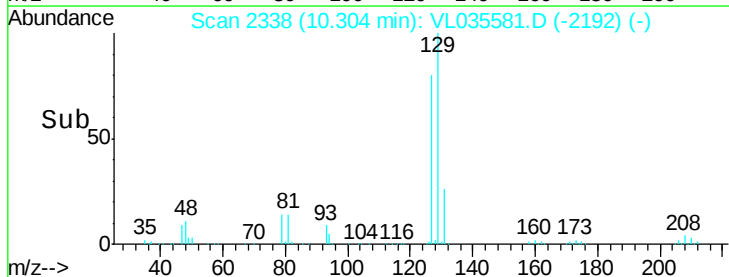
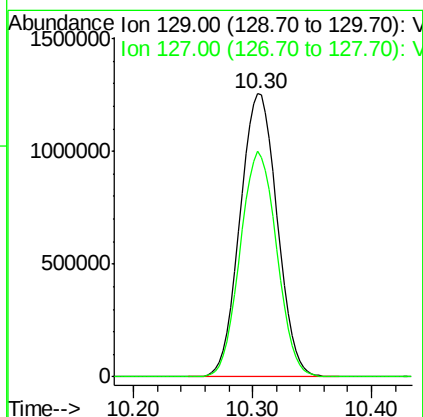
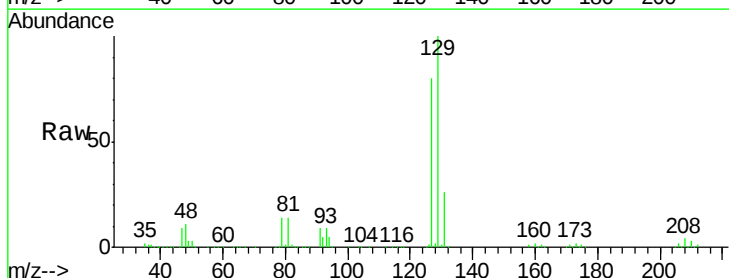
Manual Integrations
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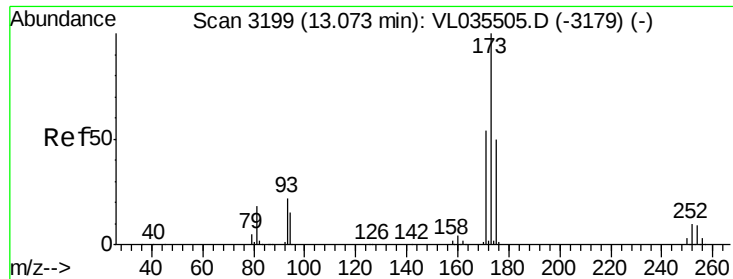
MMDadoda
 9/11/2020 2:03:10 PM



#48
 Dibromochloromethane
 Concen: 10.746 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.3	117.8	





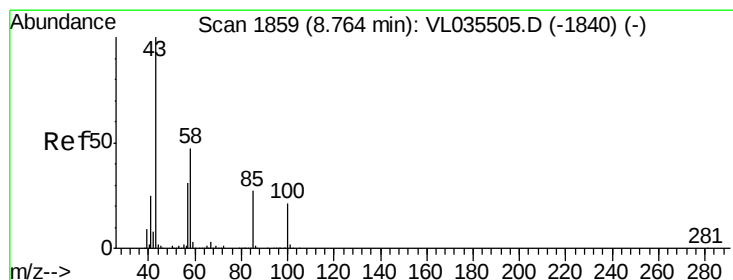
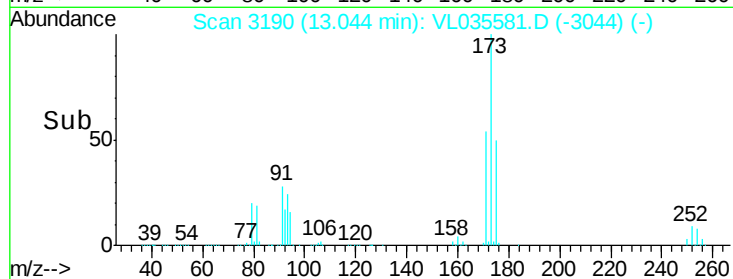
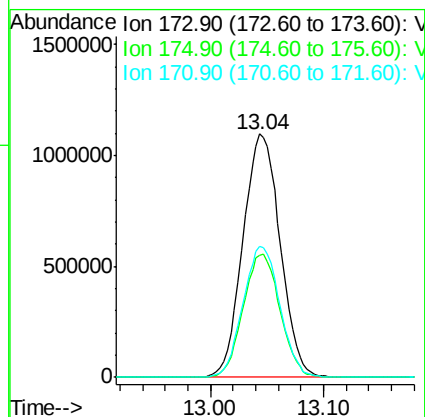
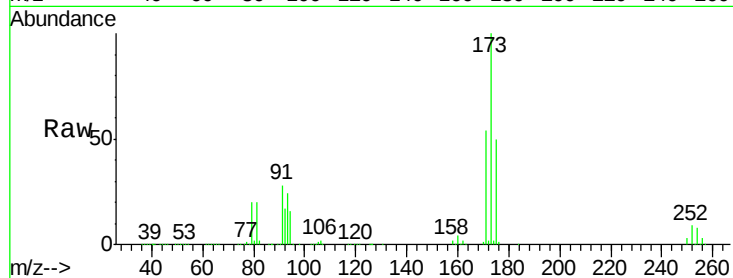
#49
Bromoform
Concen: 10.943 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2511435
Ion Ratio Lower Upper
173 100
175 50.3 39.8 59.8
171 53.4 42.4 63.6

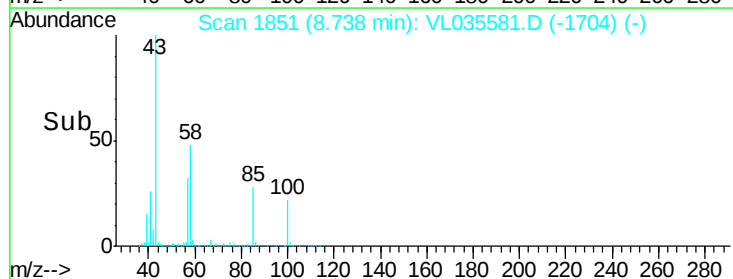
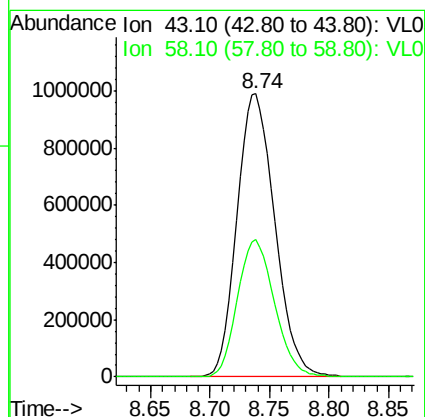
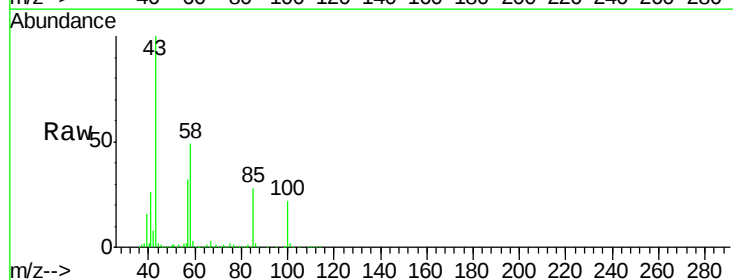
Manual Integrations
APPROVED

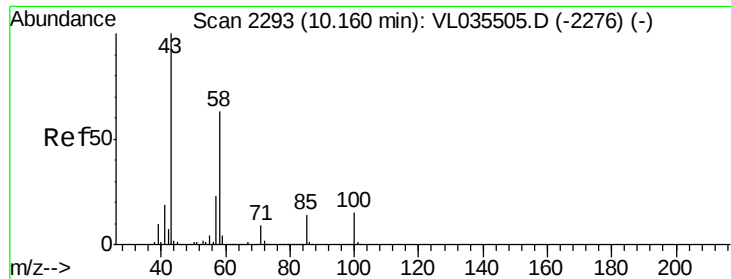
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.177 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 2180844
Ion Ratio Lower Upper
43 100
58 47.7 37.4 56.0





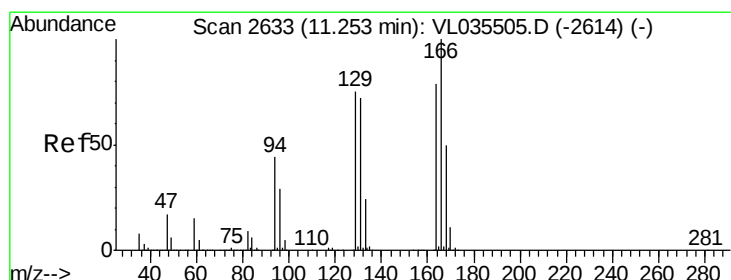
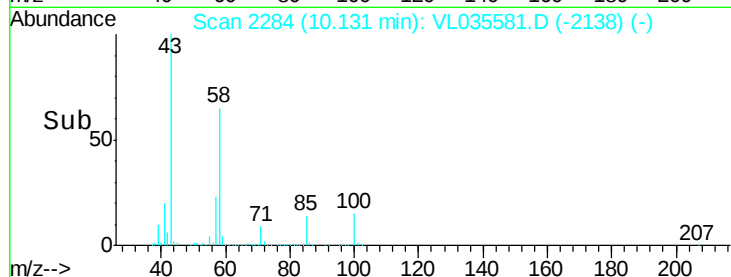
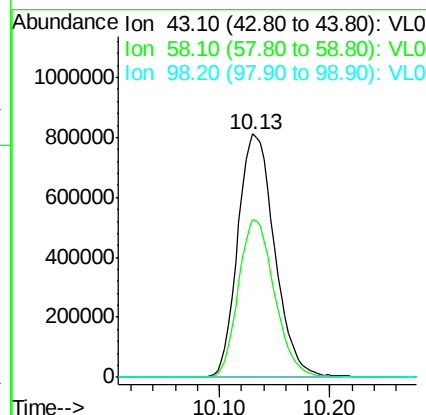
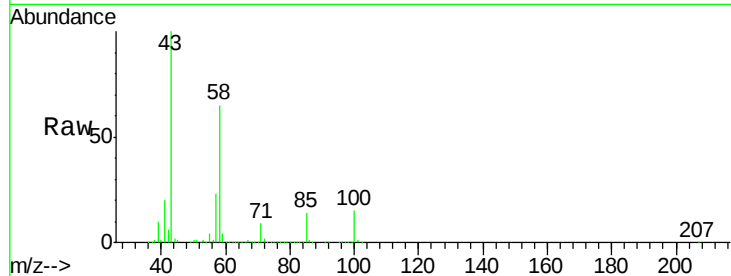
#51
2-Hexanone
Concen: 10.678 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1876971
Ion Ratio Lower Upper
43 100
58 64.1 50.2 75.4
98 0.4 0.4 0.6

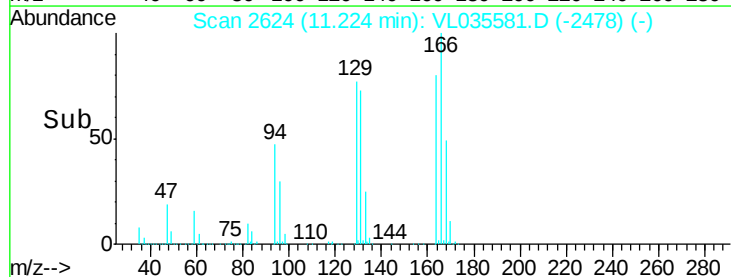
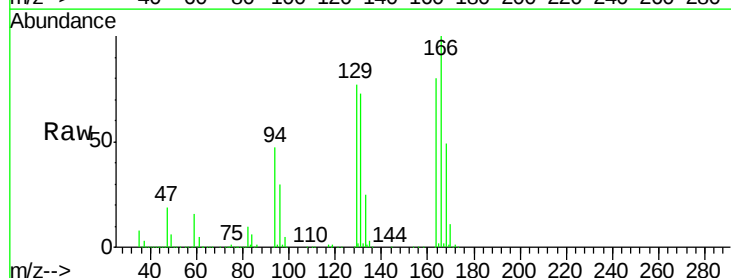
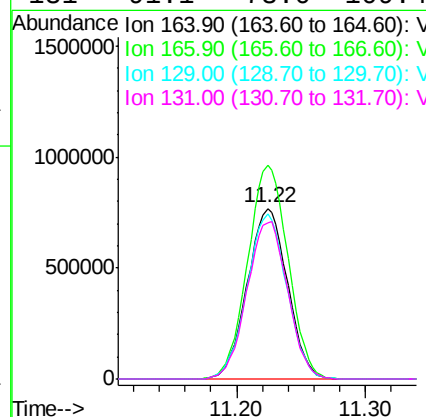
Manual Integrations
APPROVED

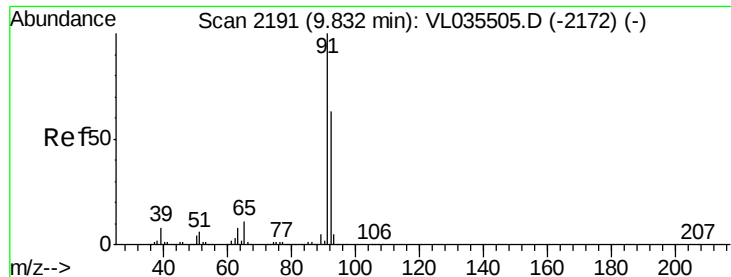
MMDadoda
9/11/2020 2:03:10 PM



#52
Tetrachloroethene
Concen: 8.844 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 164 Resp: 1667731
Ion Ratio Lower Upper
164 100
166 125.0 100.9 151.3
129 96.4 75.3 112.9
131 91.1 73.0 109.4





#53

Toluene

Concen: 10.061 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4083790

Ion Ratio Lower Upper

91 100

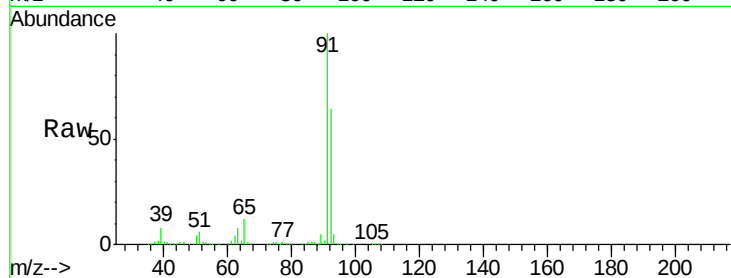
92 62.6 49.8 74.8

Manual Integrations

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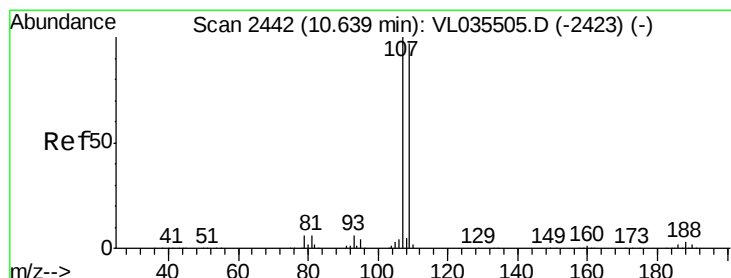
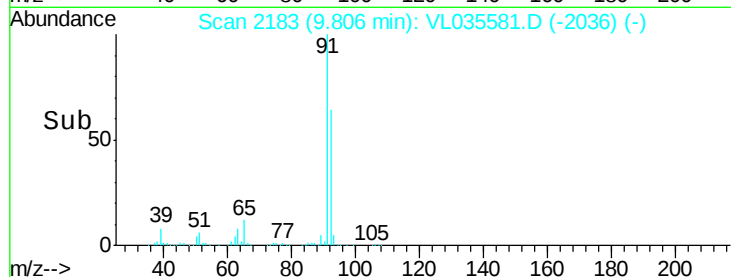
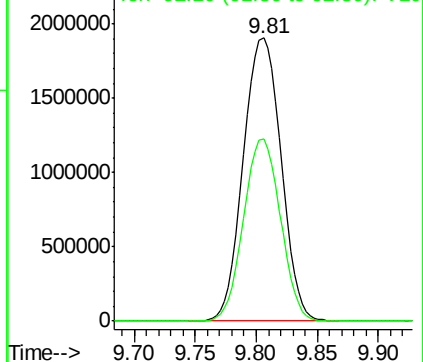
MMDadoda

9/11/2020 2:03:10 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.984 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.03 min

Lab File: VL035581.D

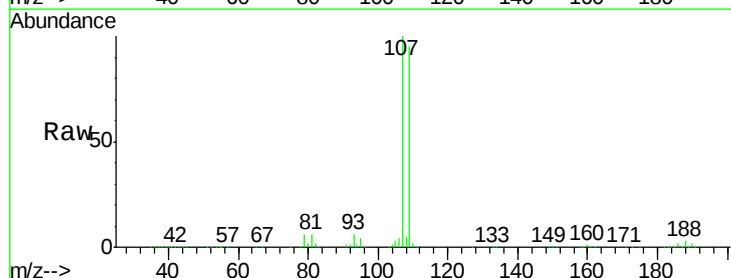
Acq: 10 Sep 2020 12:07

Tgt Ion: 107 Resp: 2538235

Ion Ratio Lower Upper

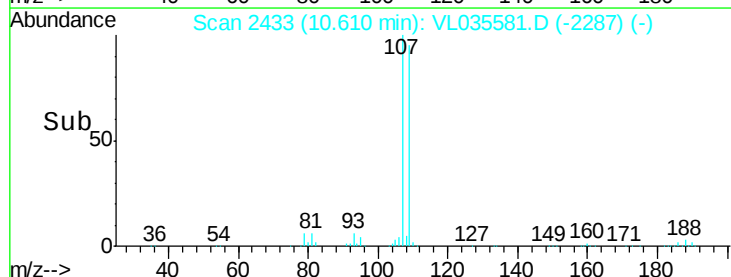
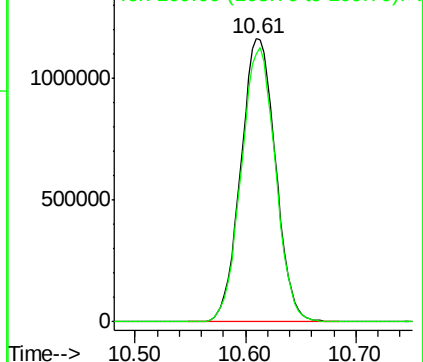
107 100

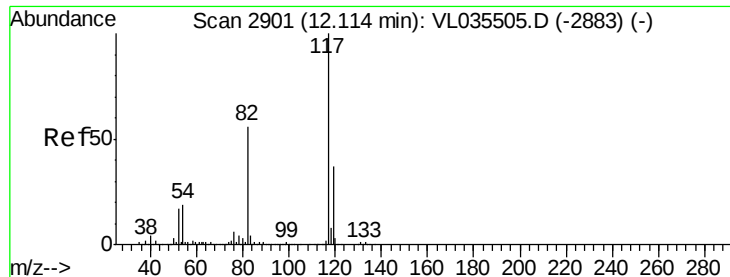
109 94.7 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





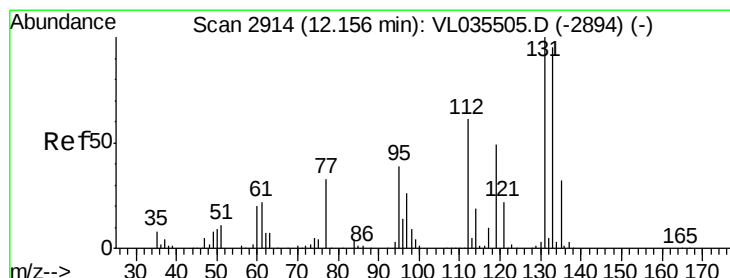
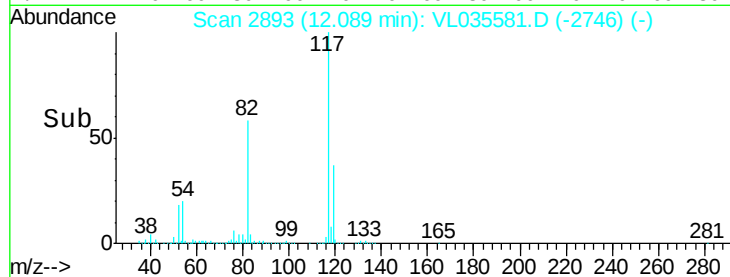
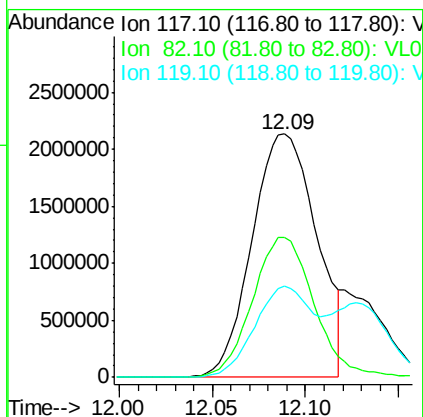
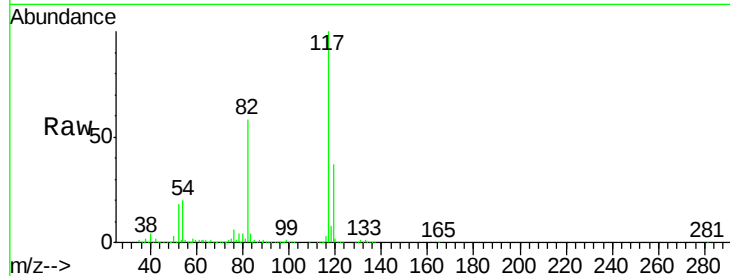
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5175465
Ion Ratio Lower Upper
117 100
82 55.0 41.6 62.4
119 33.1 29.3 43.9

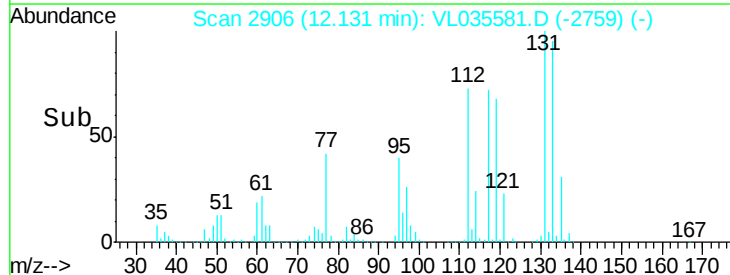
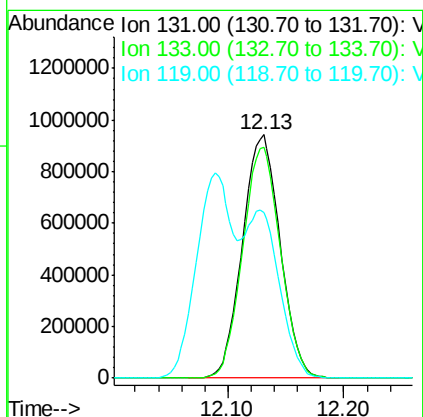
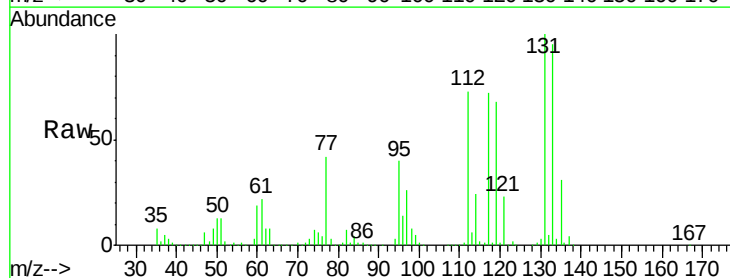
Manual Integrations
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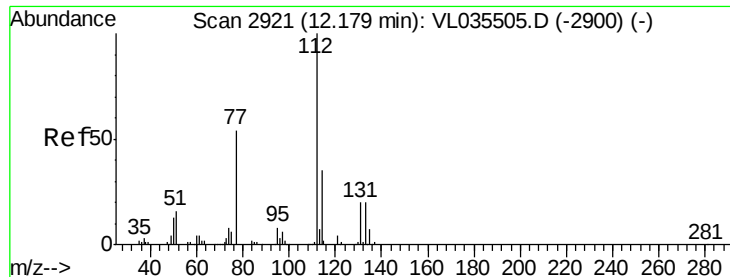
MMDadoda
9/11/2020 2:03:10 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.123 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion:131 Resp: 2131865
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 56.7 51.6 77.4





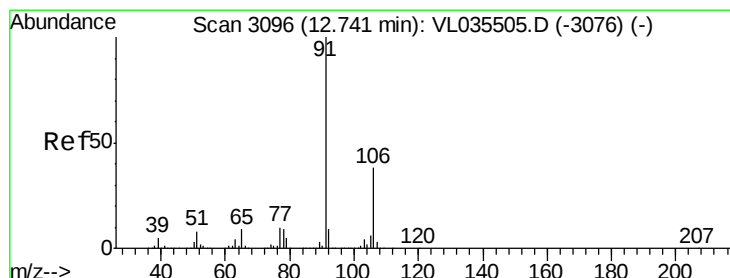
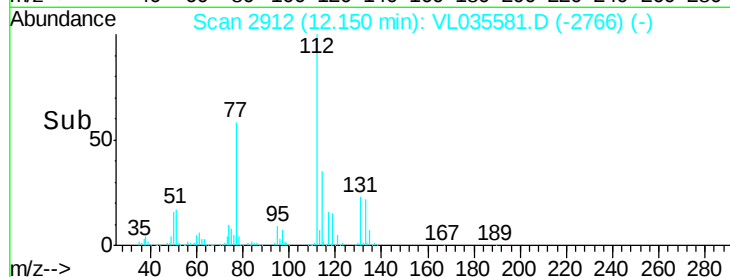
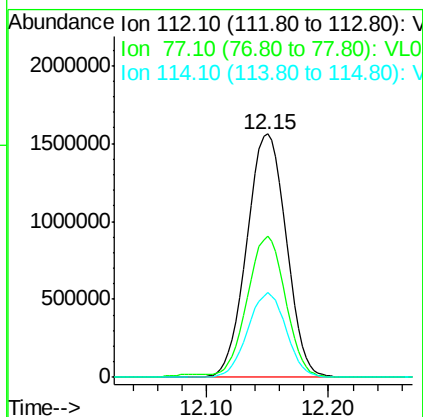
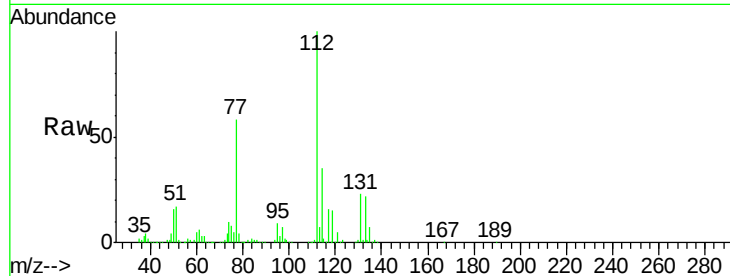
#57
Chlorobenzene
Concen: 9.154 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.7	44.2	66.4
114	35.1	31.6	38.6

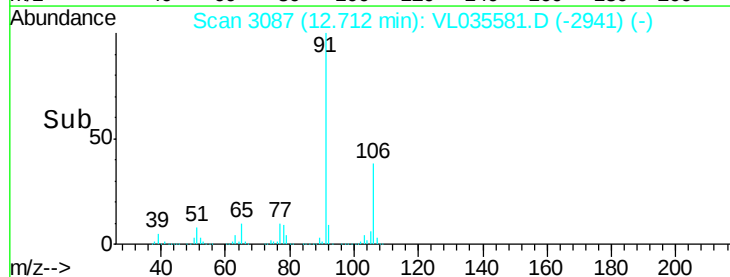
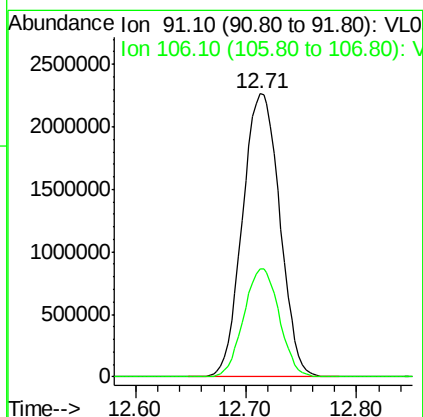
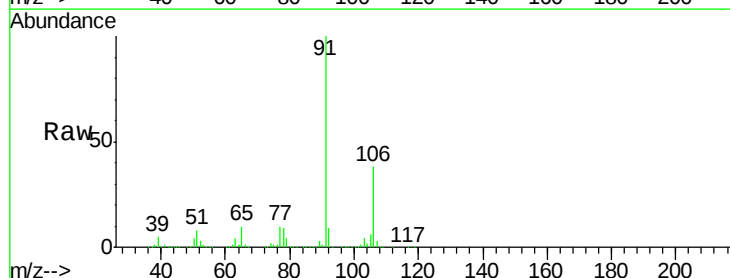
Manual Integrations
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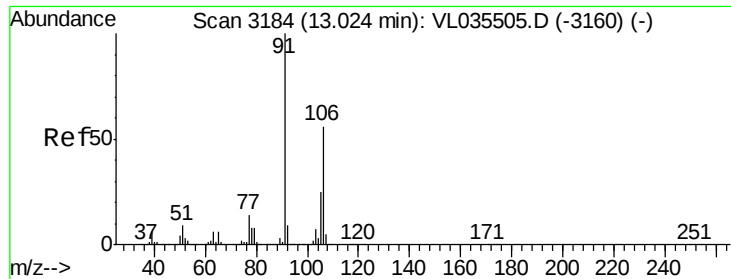
MMDadoda
9/11/2020 2:03:10 PM



#58
Ethyl Benzene
Concen: 9.945 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.1	30.3	45.5





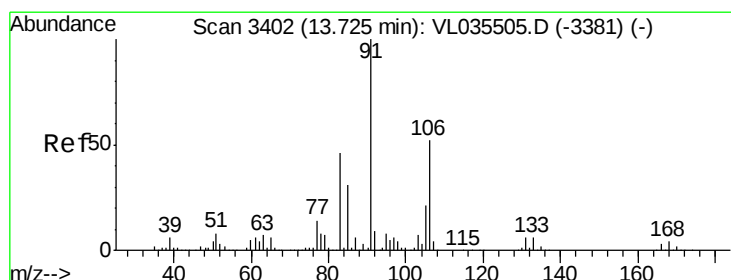
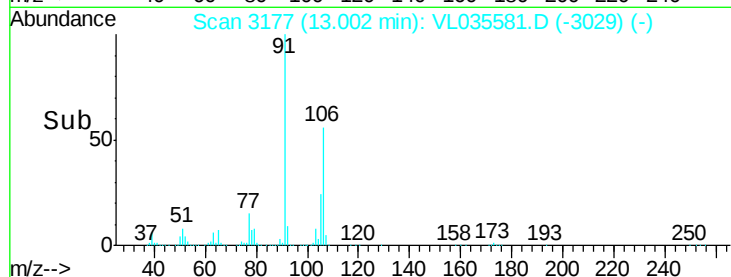
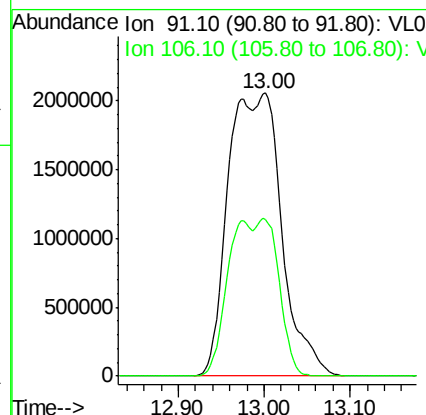
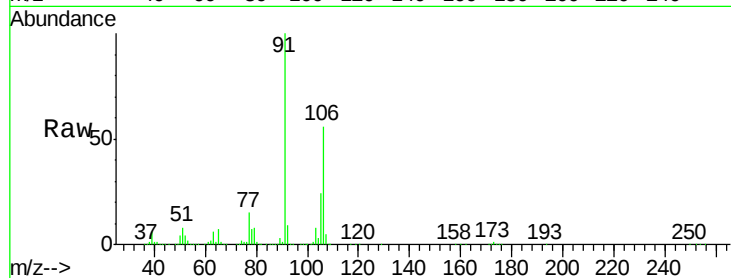
#59
m/p-Xylene
Concen: 20.042 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8937858
Ion Ratio Lower Upper
91 100
106 51.6 43.4 65.2

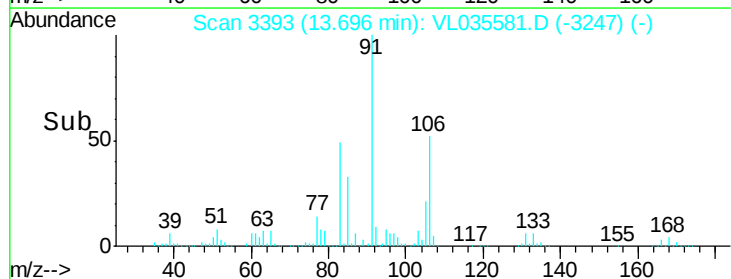
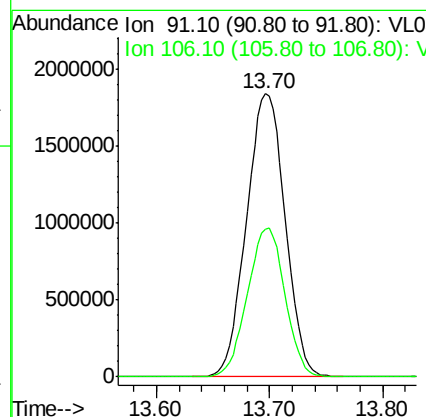
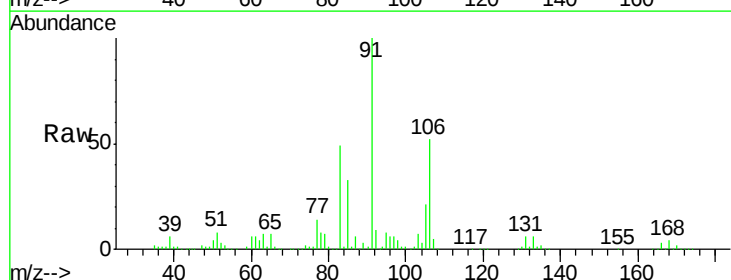
Manual Integrations
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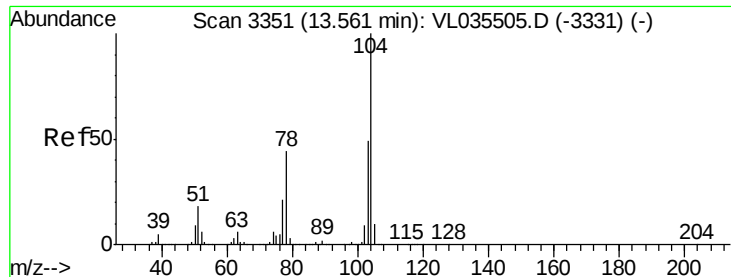
MMDadoda
9/11/2020 2:03:10 PM



#60
o-Xylene
Concen: 9.728 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 91 Resp: 4369201
Ion Ratio Lower Upper
91 100
106 51.3 25.8 77.4





#61

Stvrene

Concen: 10.466 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 3595066

Ion Ratio Lower Upper

104 100

78 44.4 34.8 52.2

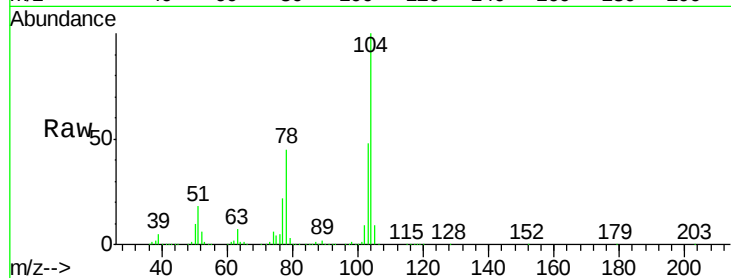
103 47.7 38.2 57.4

Manual Integrations

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MMDadoda

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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

13.53

2000000

1500000

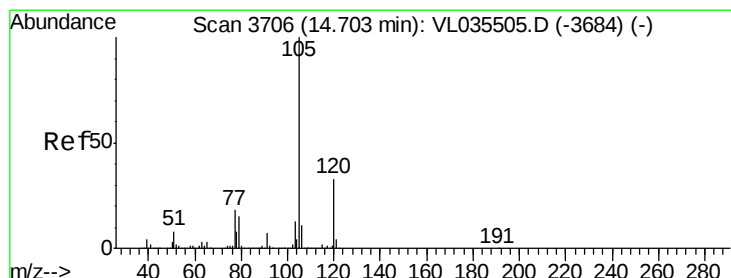
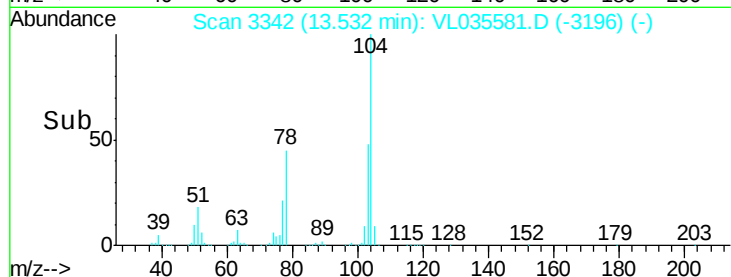
1000000

500000

0

13.50 13.60

Time-->



#62

Isopropylbenzene

Concen: 9.278 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.03 min

Lab File: VL035581.D

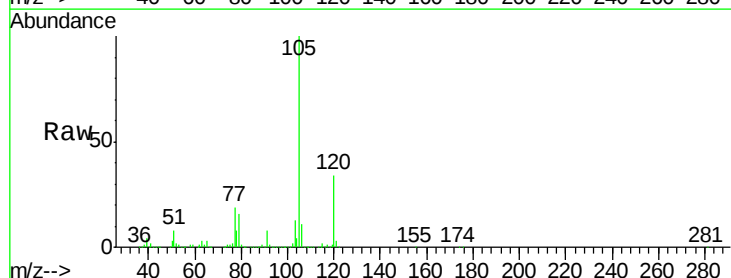
Acq: 10 Sep 2020 12:07

Tgt Ion:105 Resp: 6693648

Ion Ratio Lower Upper

105 100

120 31.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.67

3000000

2500000

2000000

1500000

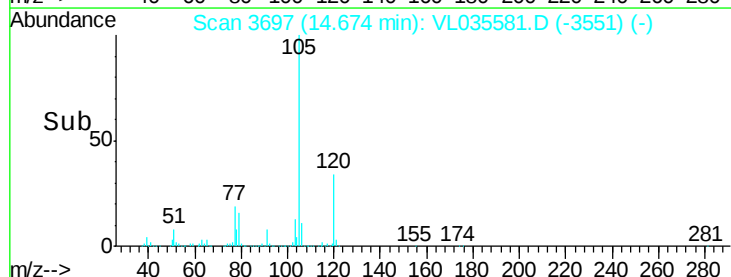
1000000

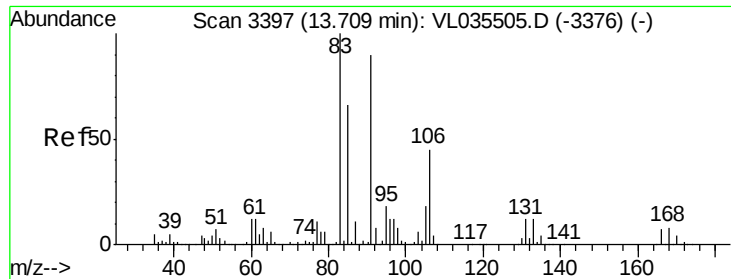
500000

0

14.60 14.70

Time-->





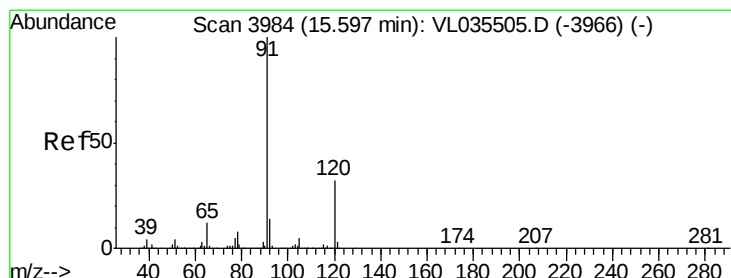
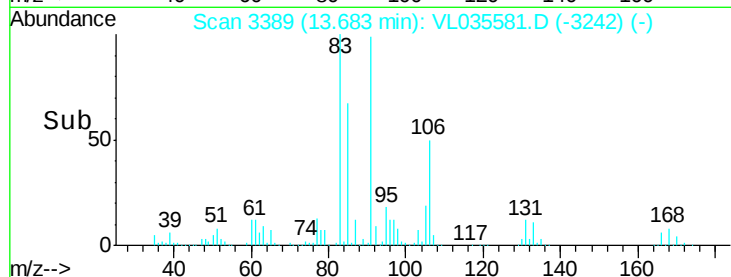
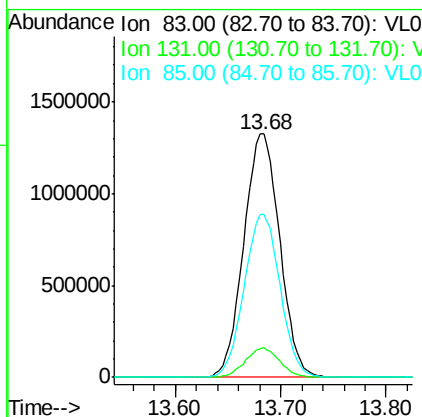
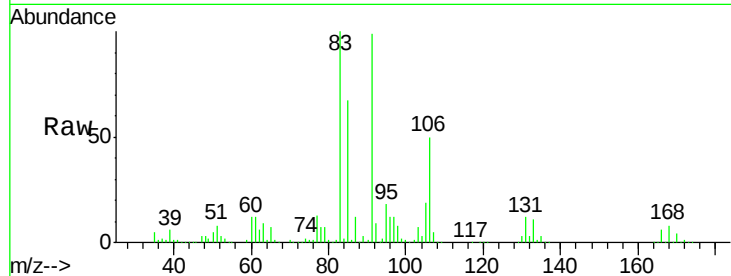
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.039 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3147753
 Ion Ratio Lower Upper
 83 100
 131 11.6 6.0 18.0
 85 67.0 33.4 100.2

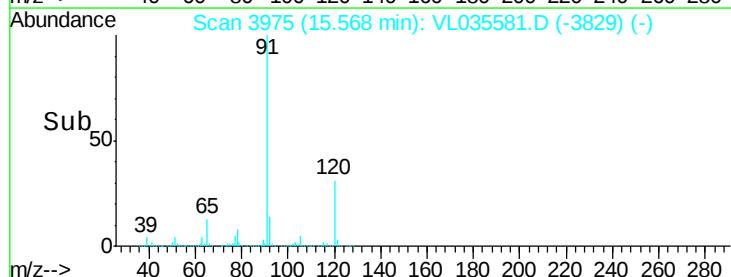
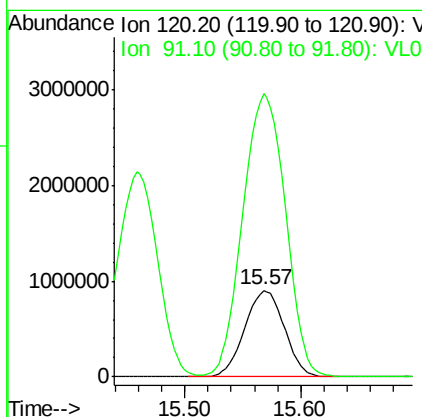
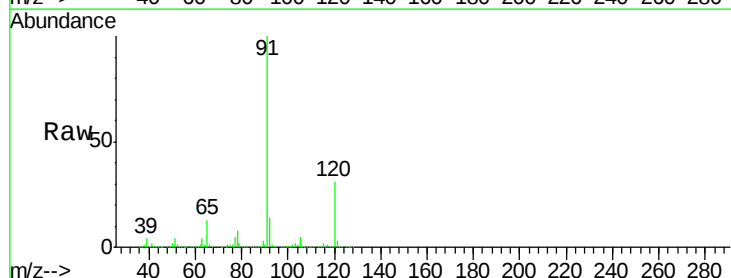
Manual Integrations
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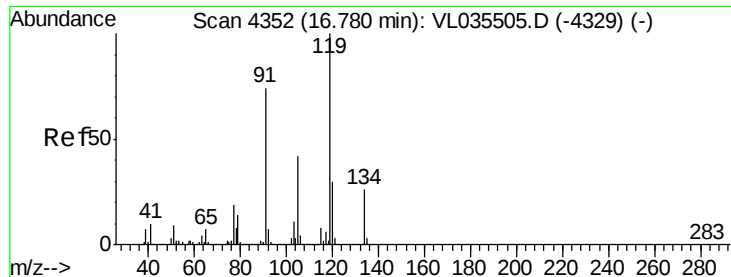
MMDadoda
 9/11/2020 2:03:10 PM



#64
 n-propylbenzene
 Concen: 9.735 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion:120 Resp: 2143333
 Ion Ratio Lower Upper
 120 100
 91 354.6 279.4 419.0





#65

tert-Butylbenzene

Concen: 9.451 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 6338603

Ion Ratio Lower Upper

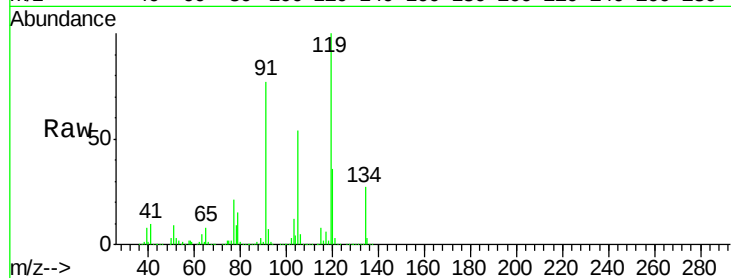
119 100

91 74.7 58.6 87.8

134 23.5 18.9 28.3

Manual Integrations
APPROVED

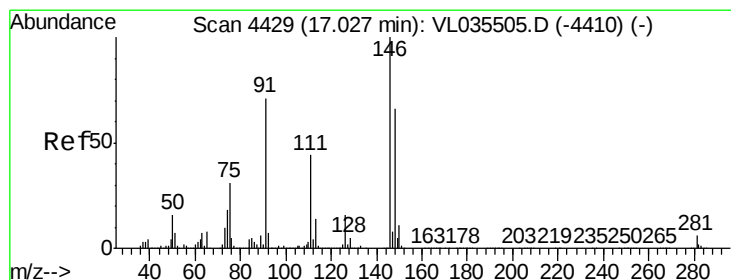
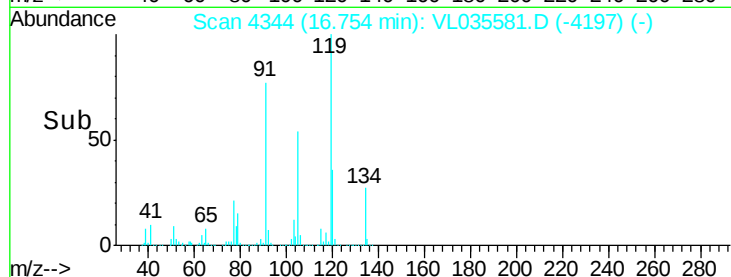
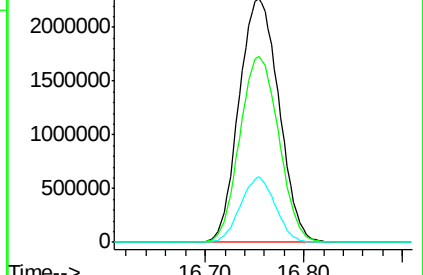
MMDadoda
9/11/2020 2:03:10 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.367 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

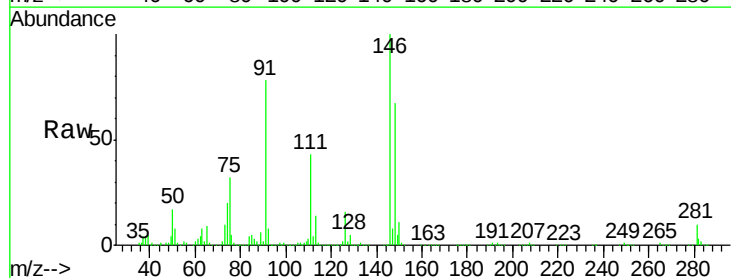
Tgt Ion: 91 Resp: 2228085

Ion Ratio Lower Upper

91 100

126 20.7 17.2 25.8

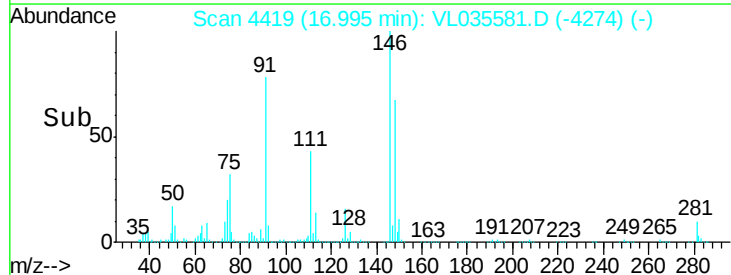
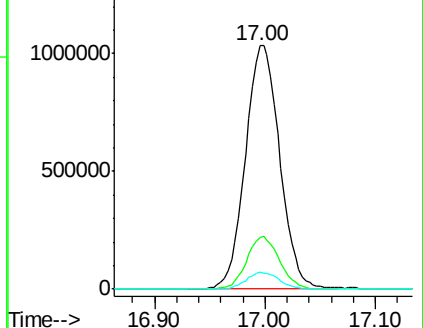
128 6.6 5.5 8.3

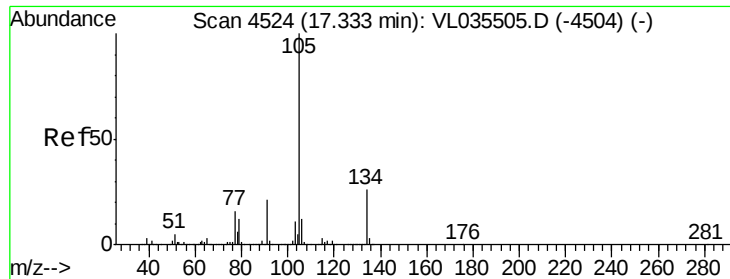


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.202 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 8222639

Ion Ratio Lower Upper

105 100

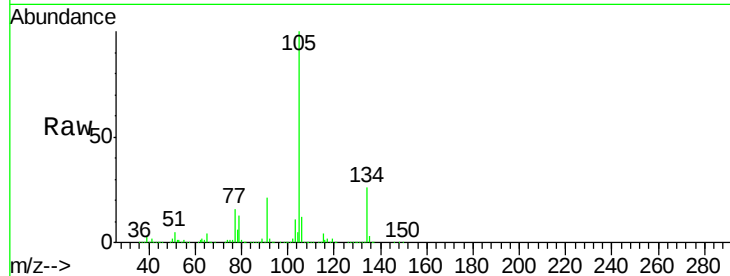
134 23.5 19.1 28.7

Manual Integrations

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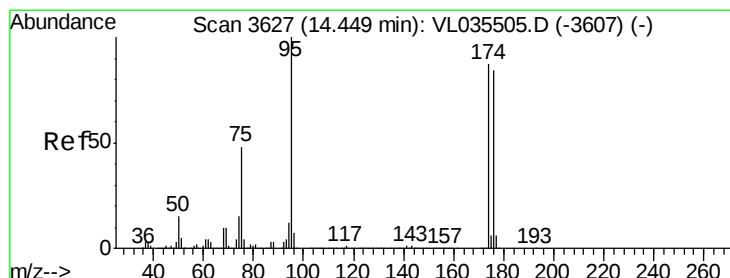
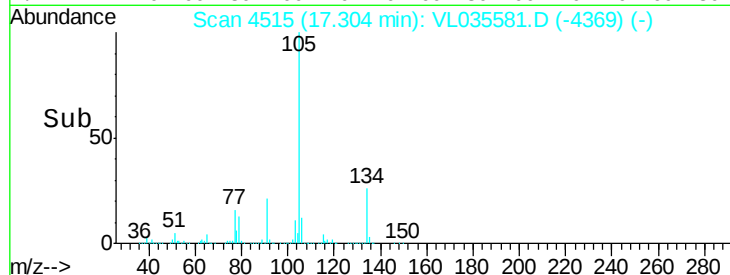
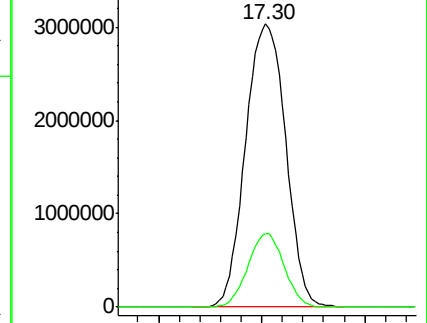
MMDadoda

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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: 10.254 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

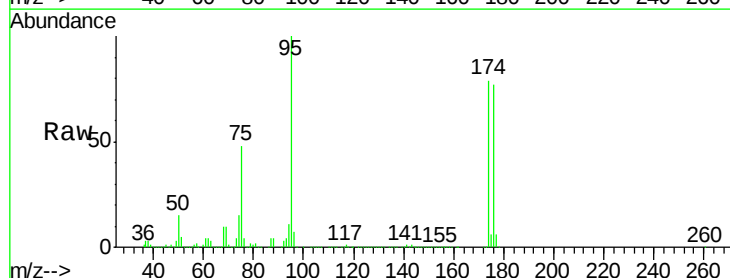
Tgt Ion: 95 Resp: 3768857

Ion Ratio Lower Upper

95 100

174 81.2 69.6 104.4

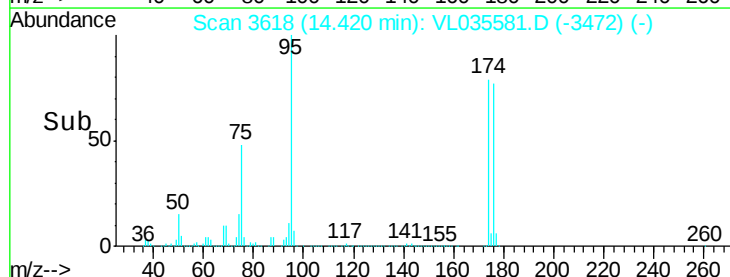
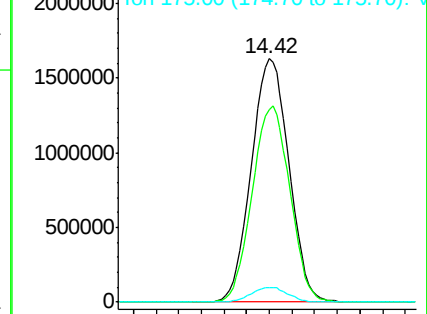
175 5.9 5.1 7.7

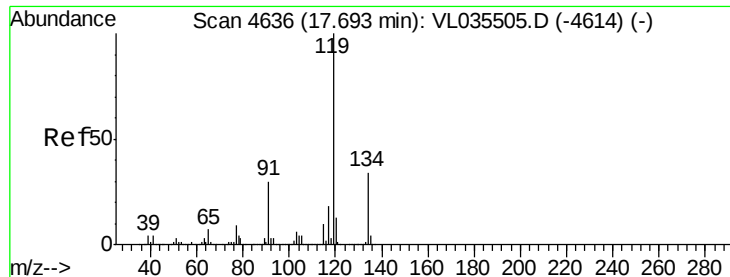


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





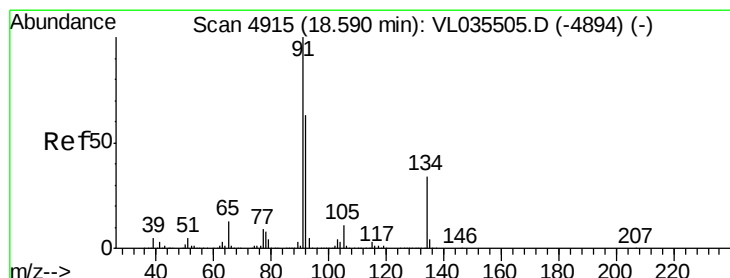
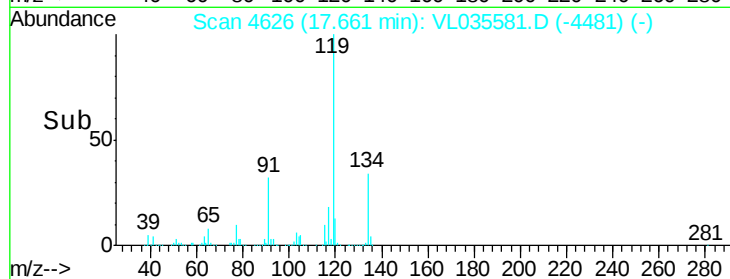
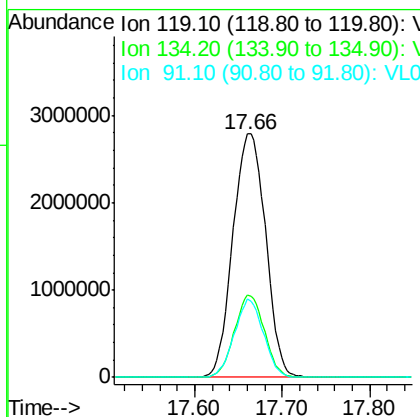
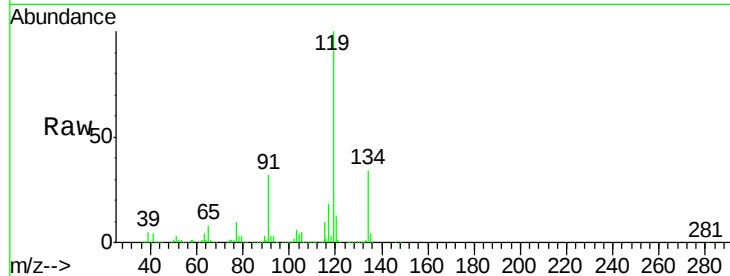
#69
p-Isopropyltoluene
Concen: 9.252 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.9	25.0	37.4
91	28.6	22.3	33.5

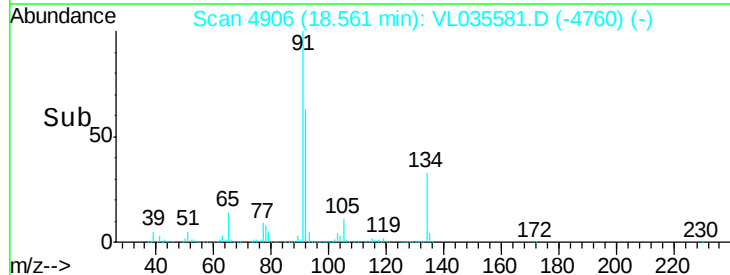
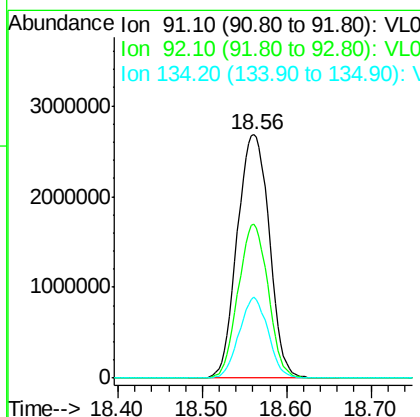
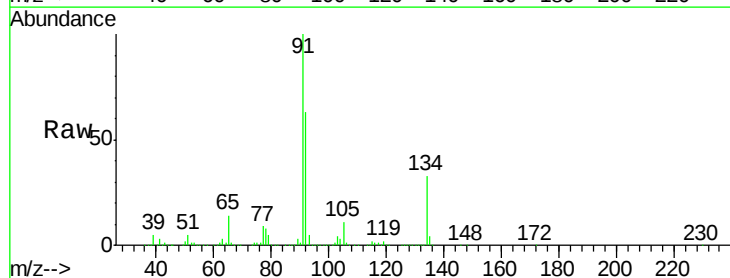
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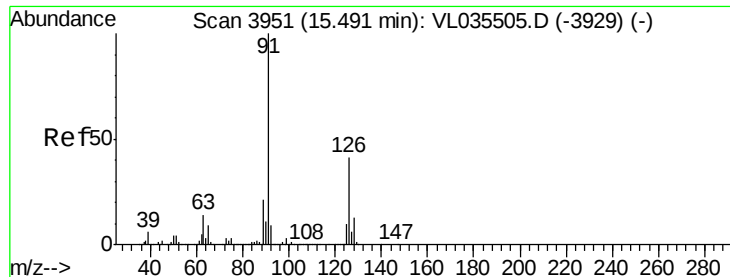
MMDadoda
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#70
n-Butylbenzene
Concen: 9.392 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.3	70.9
134	30.0	24.6	37.0





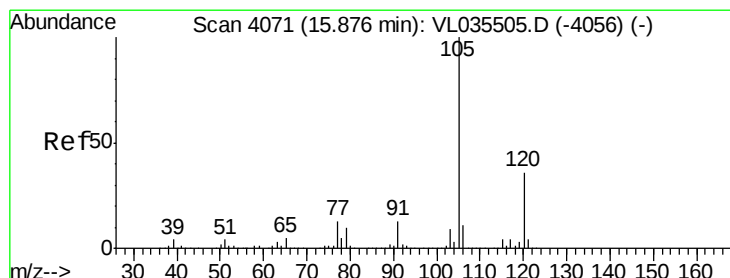
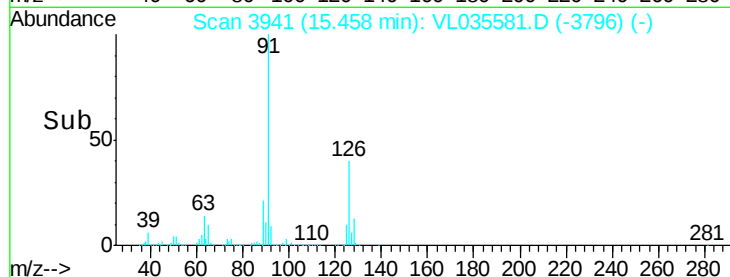
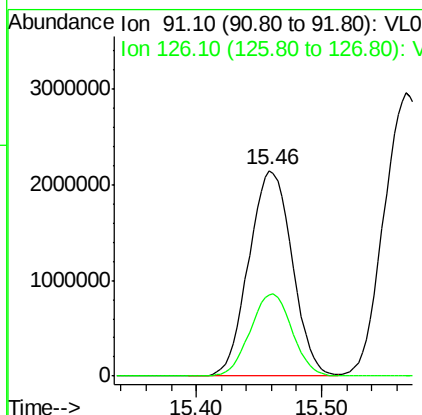
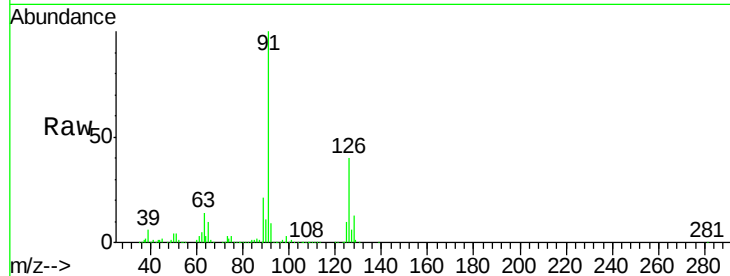
#71
 2-Chlorotoluene
 Concen: 9.814 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 5156235
 Ion Ratio Lower Upper
 91 100
 126 38.6 15.6 62.6

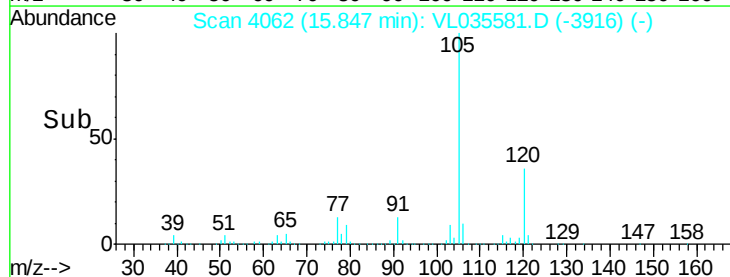
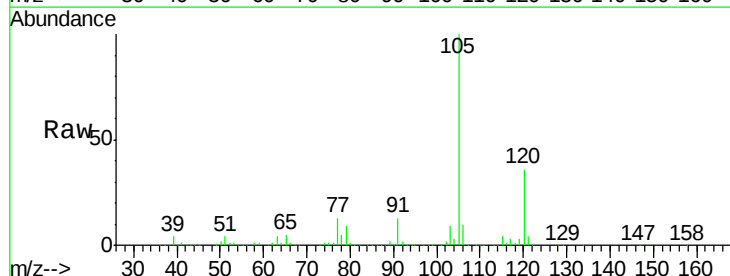
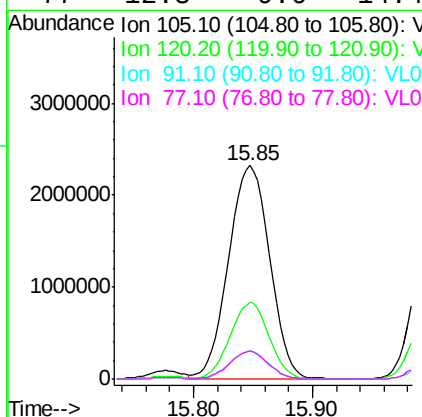
Manual Integrations
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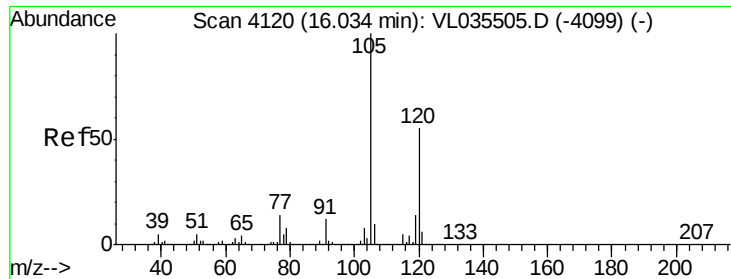
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#72
 4-Ethyltoluene
 Concen: 9.736 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 105 Resp: 5559581
 Ion Ratio Lower Upper
 105 100
 120 34.2 27.4 41.2
 91 12.3 9.7 14.5
 77 12.3 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 9.764 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5156949

Ion Ratio Lower Upper

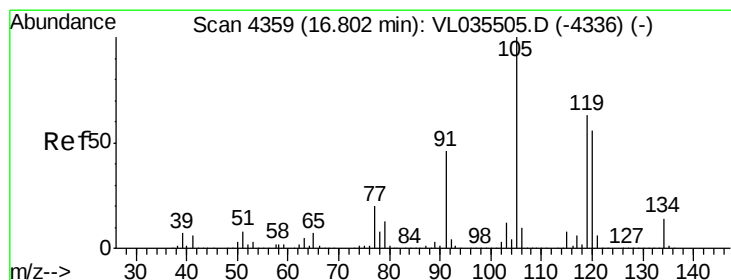
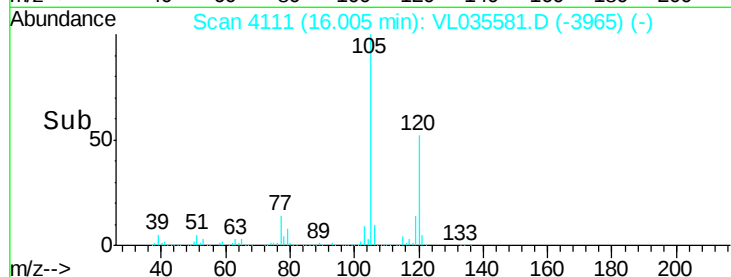
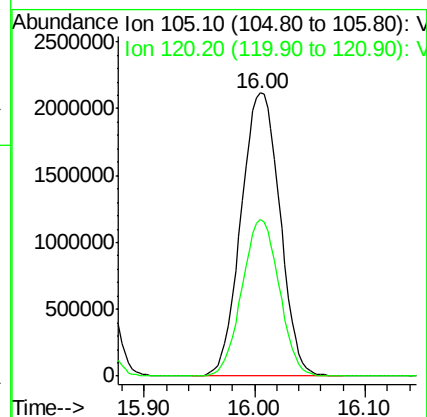
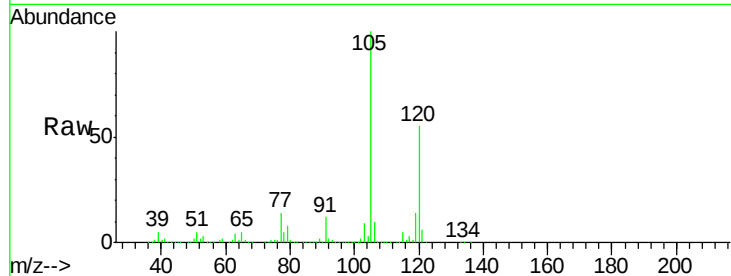
105 100

120 55.2 44.2 66.2

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 9.281 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:105 Resp: 5382956

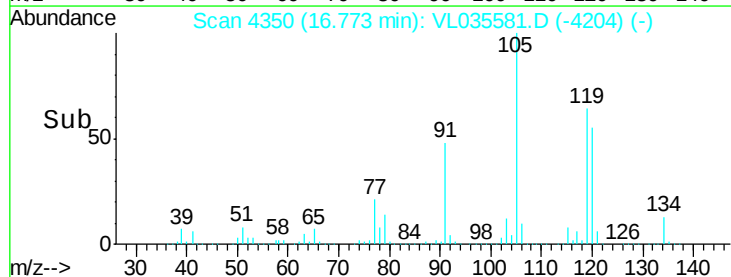
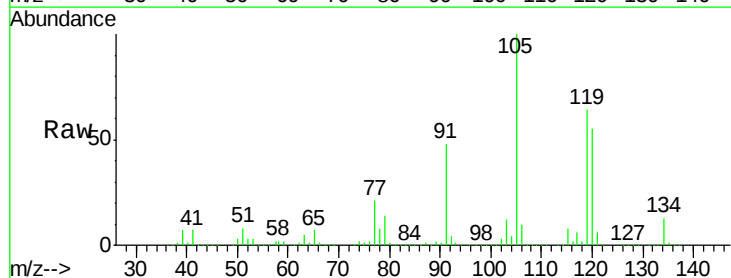
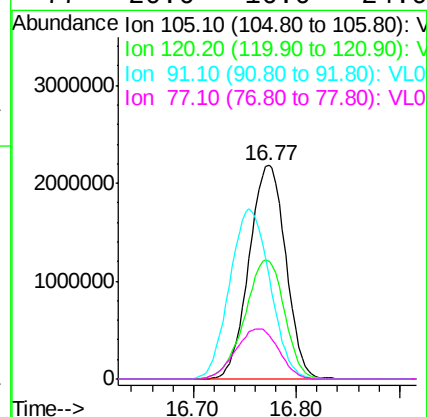
Ion Ratio Lower Upper

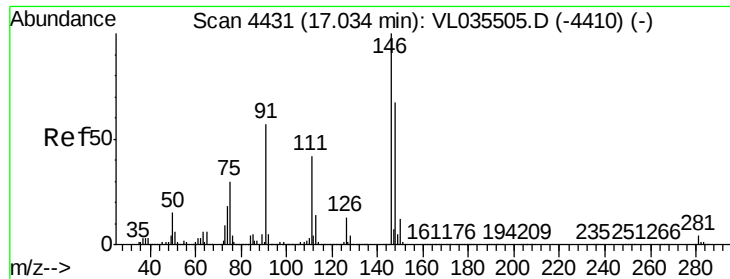
105 100

120 55.3 44.4 66.6

91 48.1 37.1 55.7

77 20.6 16.0 24.0





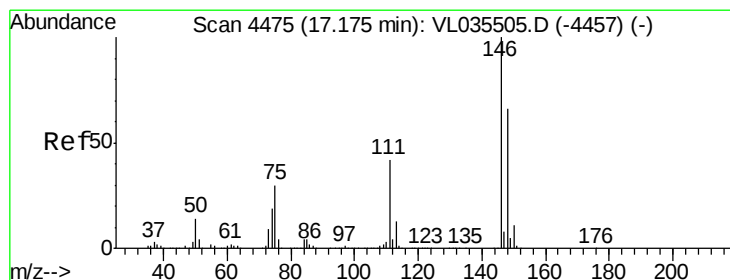
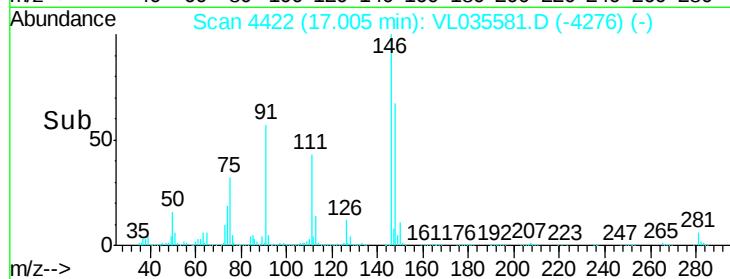
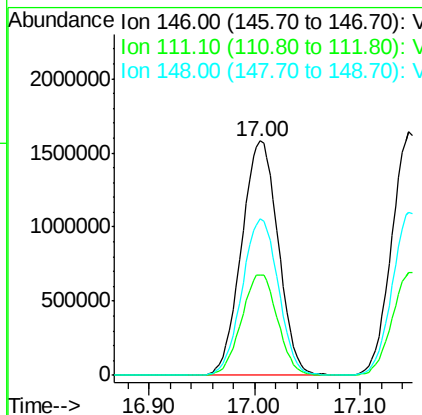
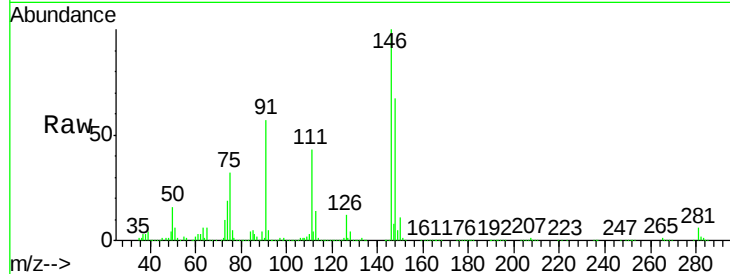
#75
 1,3-Dichlorobenzene
 Concen: 8.920 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	66.0	33.0	98.9

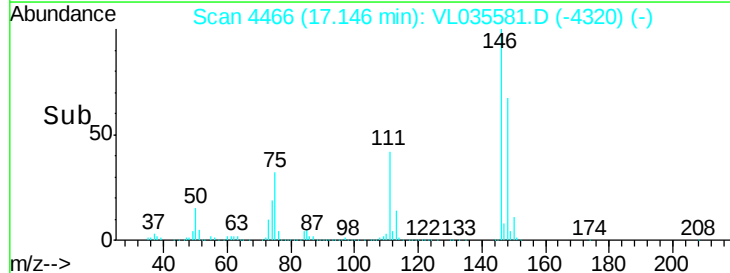
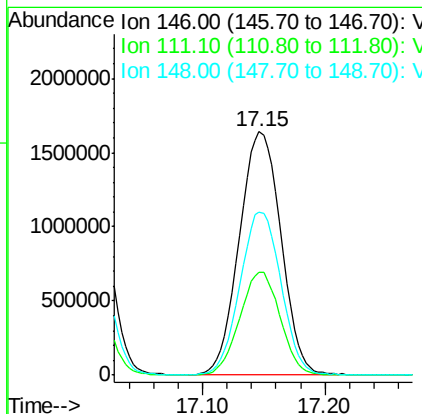
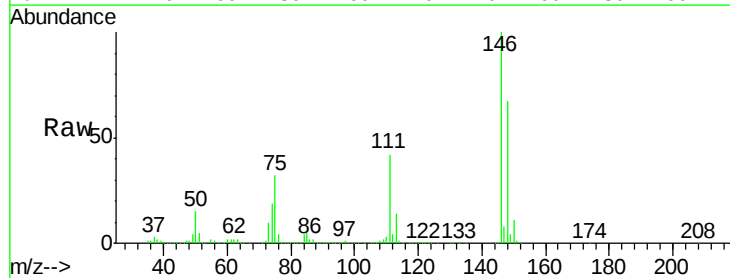
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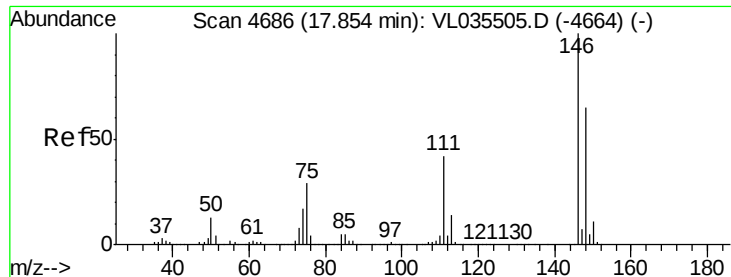
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#76
 1,4-Dichlorobenzene
 Concen: 9.117 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	66.5	33.2	99.6





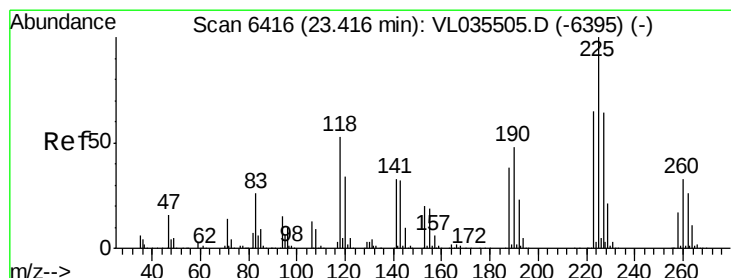
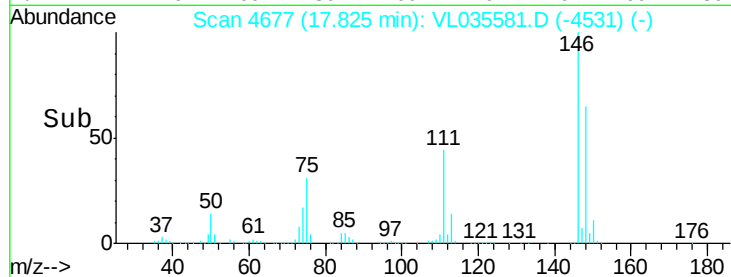
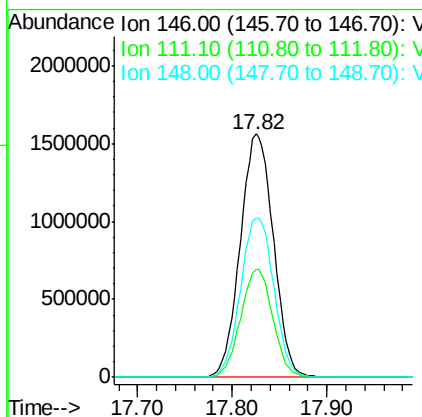
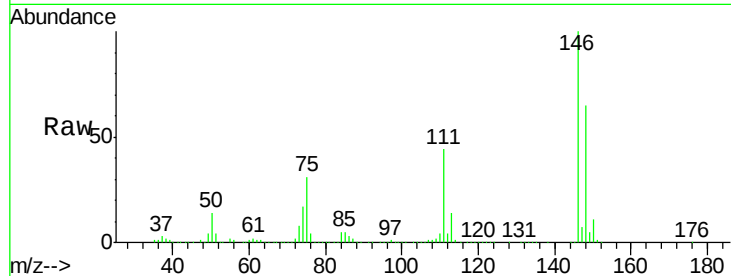
#77
 1,2-Dichlorobenzene
 Concen: 9.123 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	66.0	32.9	98.7

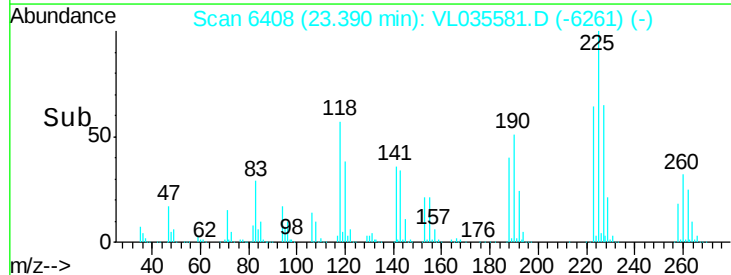
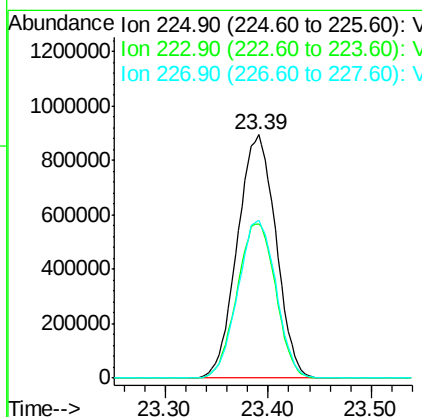
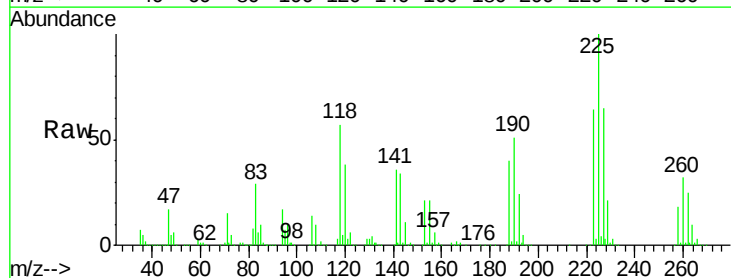
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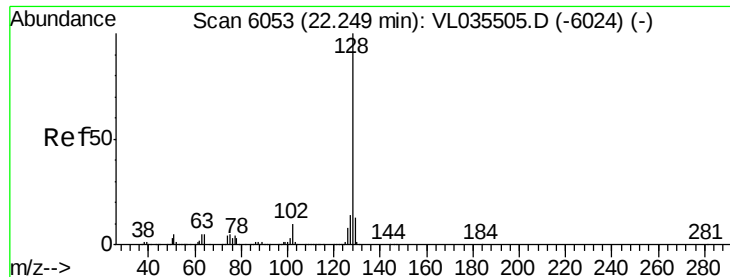
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.721 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.7	77.5
227	64.4	51.5	77.3





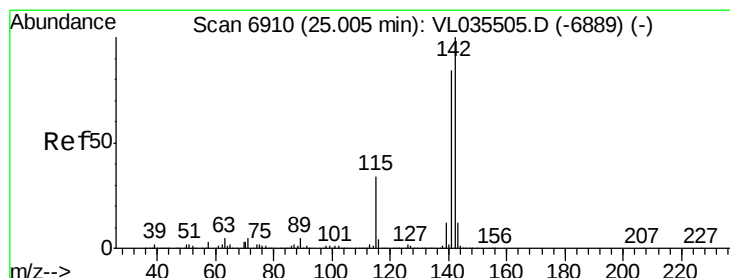
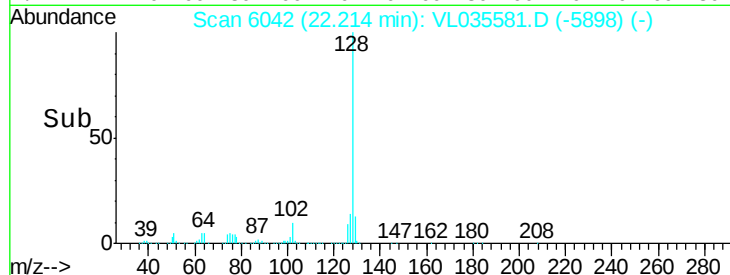
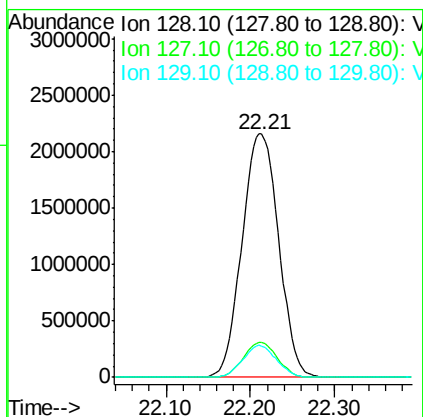
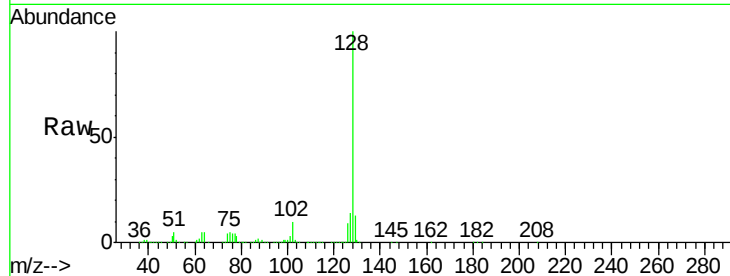
#79
Naphthalene
Concen: 10.118 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. -0.04 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 6511531
Ion Ratio Lower Upper
128 100
127 14.5 11.4 17.2
129 12.7 10.5 15.7

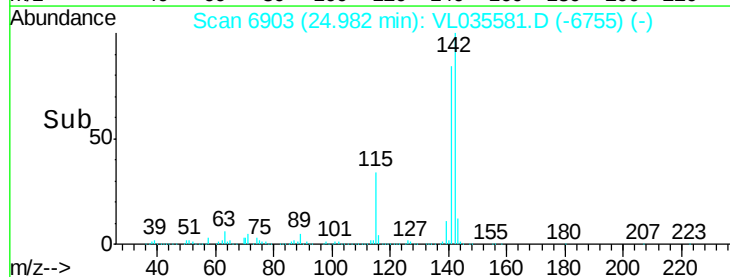
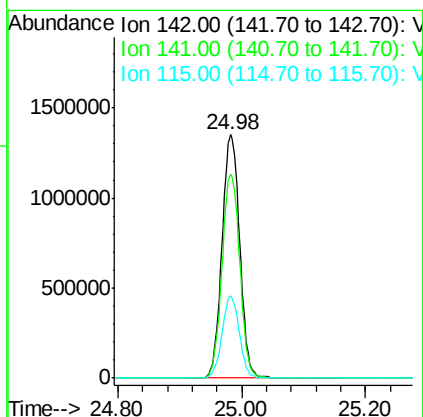
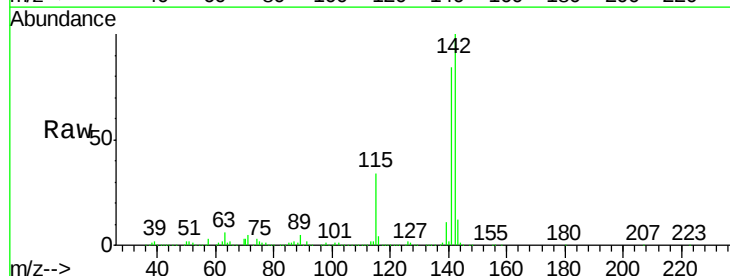
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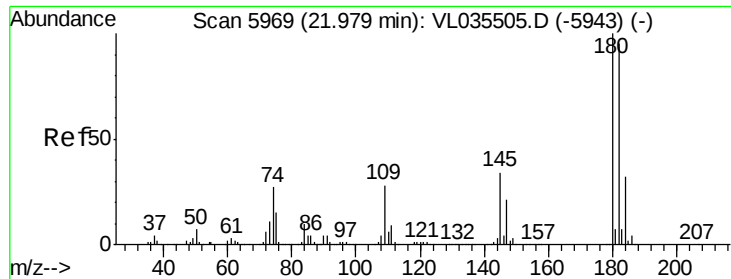
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#80
Naphthalene, 2-methyl-
Concen: 12.219 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion:142 Resp: 2684018
Ion Ratio Lower Upper
142 100
141 84.1 67.6 101.4
115 32.9 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.447 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.04 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	31.4	25.3	37.9

Manual Integrations
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