

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035315.D
 Acq On : 3 Aug 2020 12:14
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 8/6/2020 2:44:09 PM

Quant Time: Aug 03 15:02:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1383430	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3342072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3375961	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2645563	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	2231443	13.505	ppbv	98
3) Chlorodifluoromethane	2.94	51	1603045	10.468	ppbv	99
4) Chloromethane	3.09	50	921448	10.692	ppbv	98
5) Vinyl Chloride	3.21	62	940011	10.472	ppbv	100
6) Bromomethane	3.43	94	590167	10.644	ppbv	93
7) Chloroethane	3.51	64	361468	11.156	ppbv	98
8) Dichlorotetrafluoroethane	3.14	85	2143585	10.225	ppbv	97
9) Propene	2.96	41	650243	12.181	ppbv	97
10) Heptane	8.12	43	1715496	11.873	ppbv	99
11) Trichlorofluoromethane	3.91	101	2245033	10.102	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1567792	9.947	ppbv	97
13) Ethanol	3.56	45	188957	8.697	ppbv	94
14) Bromoethene	3.70	108	712946	11.084	ppbv	98
15) Acetone	3.81	43	1683411	9.123	ppbv	99
16) 1,3-Butadiene	3.28	39	819540	11.385	ppbv	100
17) tert-Butyl alcohol	4.26	59	1835542	10.306	ppbv	100
18) 1,1-Dichloroethene	4.25	96	738444	10.552	ppbv	96
19) Isopropyl Alcohol	3.93	45	1290075	10.600	ppbv #	99
20) Methylene Chloride	4.31	84	679200	8.086	ppbv	97
21) Allyl Chloride	4.38	41	1192445	11.347	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	726924	10.810	ppbv	96
23) Vinyl Acetate	5.05	43	2263462	12.207	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1862426	10.770	ppbv	98
25) Ethyl Acetate	5.66	43	3164099	10.980	ppbv	100
26) Hexane	5.67	57	1429027	10.992	ppbv	99
27) Carbon Disulfide	4.52	76	1904054	10.841	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	2270804	12.219	ppbv	100
29) Chloroform	5.74	83	2272596	10.423	ppbv	100
30) Cyclohexane	7.13	84	1195182	12.862	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1426491	12.588	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2254928	10.104	ppbv	99
34) 2-Butanone	5.22	43	1955268	11.498	ppbv	100
35) Carbon Tetrachloride	7.01	117	2363014	10.560	ppbv	99
36) Benzene	6.89	78	2780837	11.972	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1769512	10.898	ppbv	99
38) Trichloroethene	7.84	130	1159666	12.047	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1079671	11.651	ppbv	98
40) 1,4-Dioxane	7.83	88	497841m	13.643	ppbv	
41) Tetrahydrofuran	6.03	42	1069618	12.834	ppbv	99
42) Bromodichloromethane	7.79	83	2457210	11.339	ppbv	96
43) Methyl Methacrylate	8.01	69	1277482	12.694	ppbv	98

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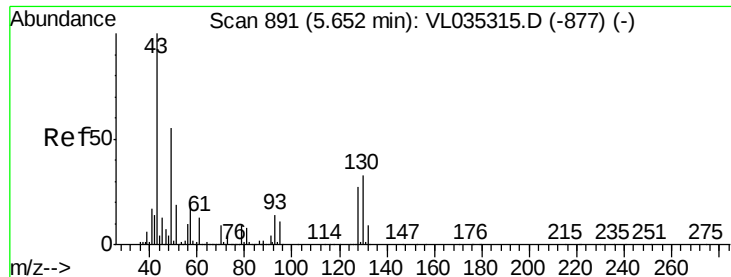
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Quant Time: Aug 03 15:02:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4714611	11.520	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1455750	14.357	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1691357	13.692	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1204855	11.006	ppbv	98
48) Dibromochloromethane	10.32	129	2073570	12.027	ppbv	98
49) Bromoform	13.07	173	1869847	12.064	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2904942	11.788	ppbv	99
51) 2-Hexanone	10.14	43	2349478	12.572	ppbv #	98
52) Tetrachloroethene	11.24	164	1037098	11.703	ppbv	96
53) Toluene	9.82	91	3238685	13.120	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1825547	11.534	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1589129	10.237	ppbv	94
57) Chlorobenzene	12.17	112	2571219	10.122	ppbv	95
58) Ethyl Benzene	12.73	91	4365704	12.210	ppbv	97
59) m/p-Xylene	13.02	91	7422179m	22.298	ppbv	
60) o-Xylene	13.72	91	3696299	11.130	ppbv	100
61) Styrene	13.55	104	2649800	13.145	ppbv	99
62) Isopropylbenzene	14.70	105	5421466	10.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2724895	9.535	ppbv	100
64) n-propylbenzene	15.60	120	1475950	11.230	ppbv	96
65) tert-Butylbenzene	16.78	119	4882847	10.904	ppbv	100
66) Benzyl Chloride	17.03	91	2048133	11.677	ppbv	99
67) sec-Butylbenzene	17.33	105	6814888	10.416	ppbv	100
69) p-Isopropyltoluene	17.69	119	5734363	10.743	ppbv	99
70) n-Butylbenzene	18.59	91	6113412	10.587	ppbv	100
71) 2-Chlorotoluene	15.49	91	4265250	11.443	ppbv	100
72) 4-Ethyltoluene	15.87	105	4369179	11.689	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4094554	11.232	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	4359494	10.273	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	2572981	9.390	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2553859	10.304	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2466851	10.051	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1907837	9.497	ppbv	98
79) Naphthalene	22.26	128	3847996	11.403	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1368029	12.526	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2195123	10.686	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1383430

Ion Ratio Lower Upper

49 100

128 47.7 24.0 72.0

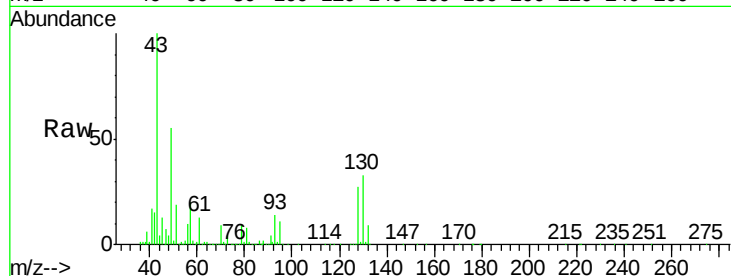
130 62.9 30.7 92.1

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

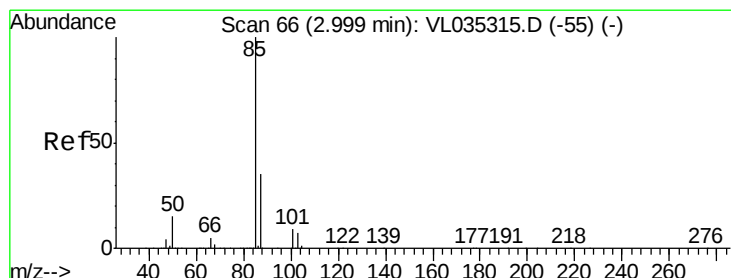
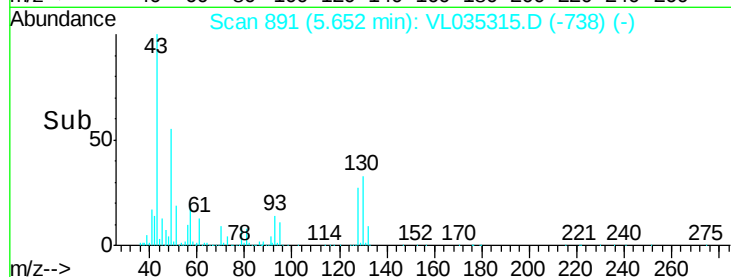
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.505 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035315.D

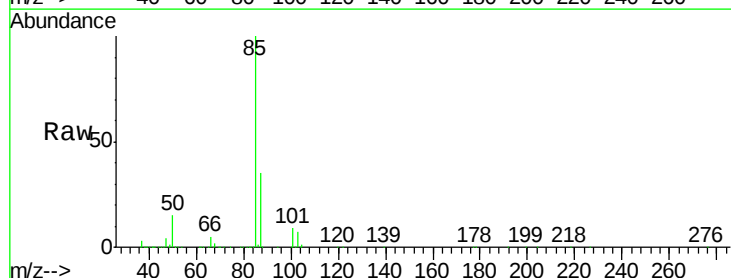
Acq: 3 Aug 2020 12:14

Tgt Ion: 85 Resp: 2231443

Ion Ratio Lower Upper

85 100

87 34.7 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

2000000

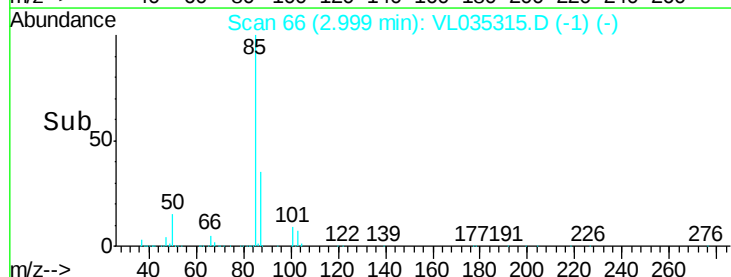
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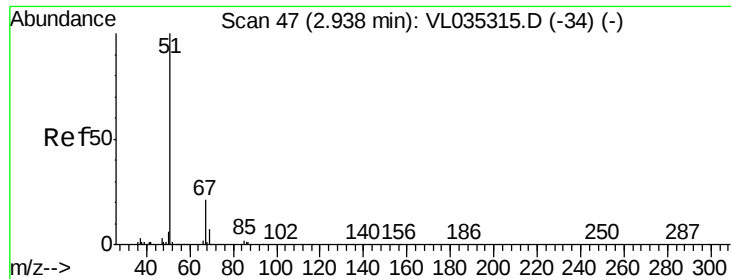
1000000

500000

0

Time-->





#3

Chlorodifluoromethane

Concen: 10.468 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1603045

Ion Ratio Lower Upper

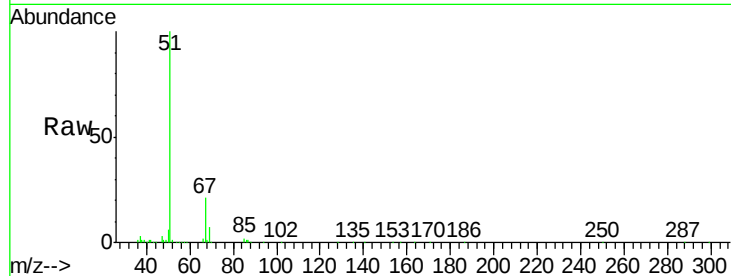
51 100

67 20.2 16.6 25.0

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

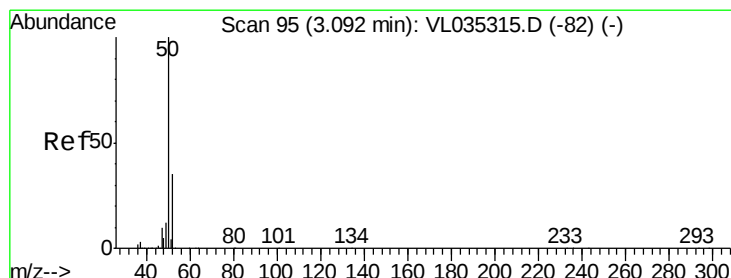
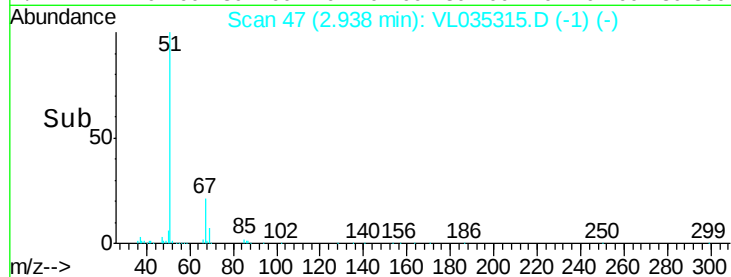
1000000

500000

0

Time-->

2.90 2.95 3.00



#4

Chloromethane

Concen: 10.692 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035315.D

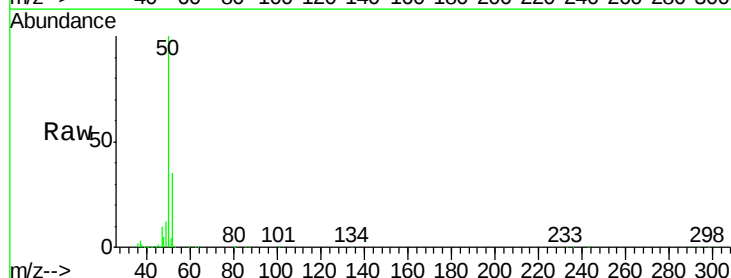
Acq: 3 Aug 2020 12:14

Tgt Ion: 50 Resp: 921448

Ion Ratio Lower Upper

50 100

52 34.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

600000

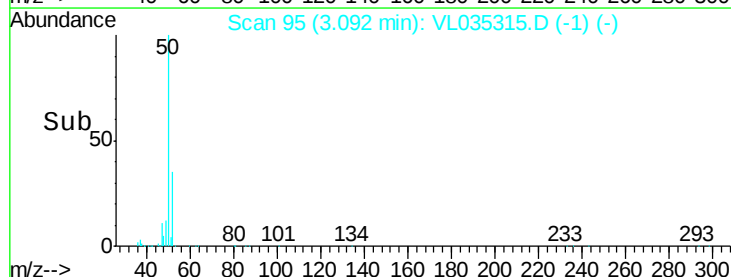
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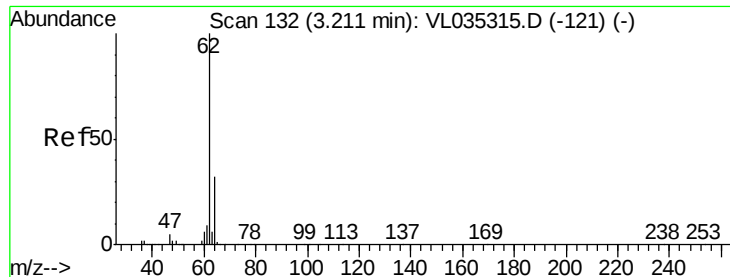
200000

0

Time-->

3.05 3.10





#5

Vinyl Chloride

Concen: 10.472 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 940011

Ion Ratio Lower Upper

62 100

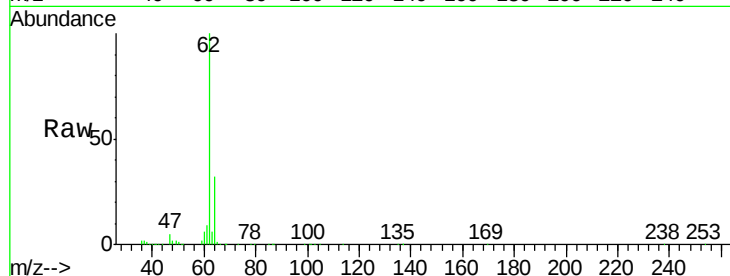
64 32.4 25.8 38.6

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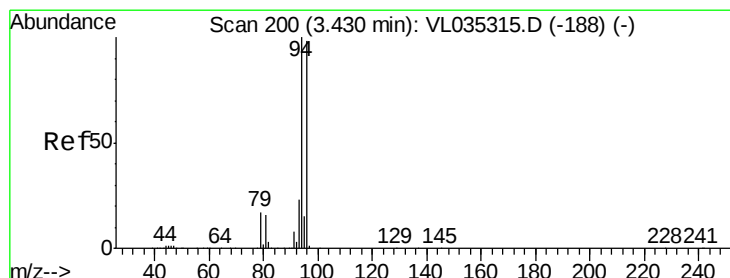
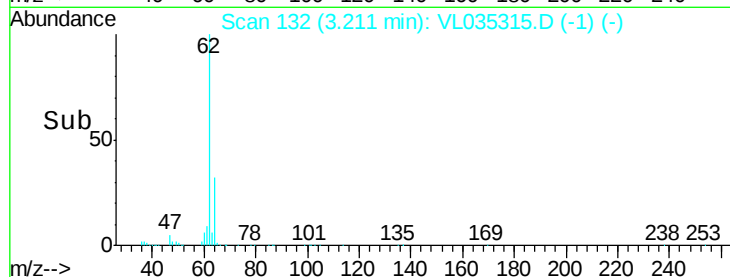
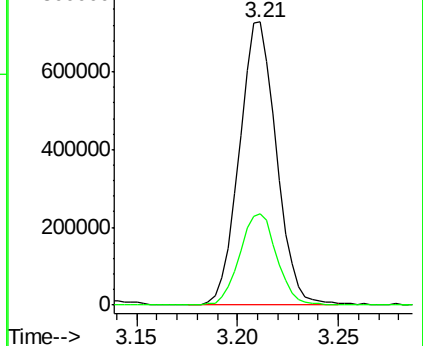
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.644 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.01 min

Lab File: VL035315.D

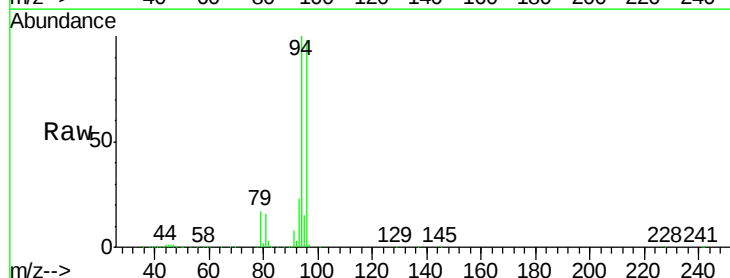
Acq: 3 Aug 2020 12:14

Tgt Ion: 94 Resp: 590167

Ion Ratio Lower Upper

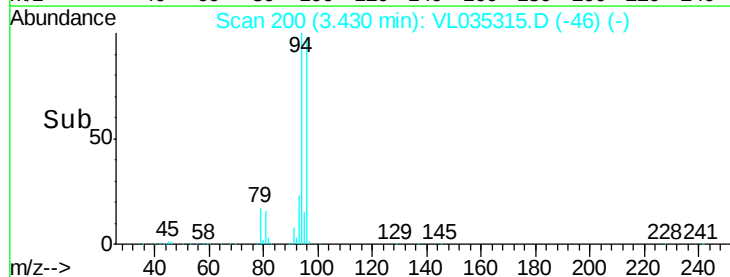
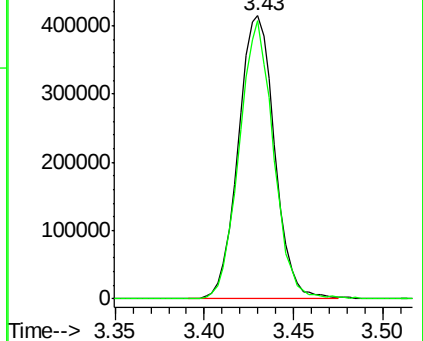
94 100

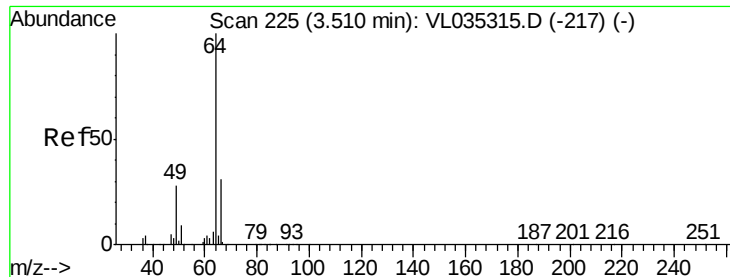
96 98.2 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.156 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 361468

Ion Ratio Lower Upper

64 100

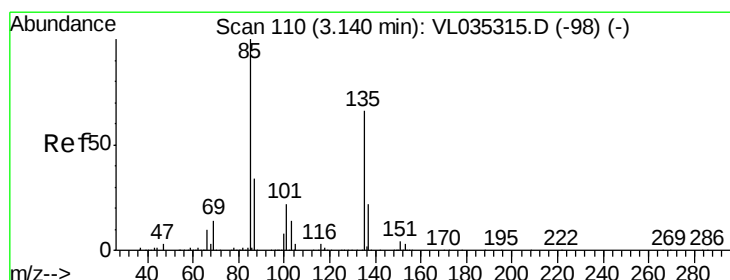
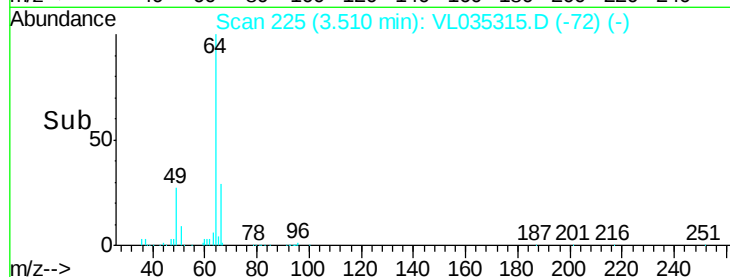
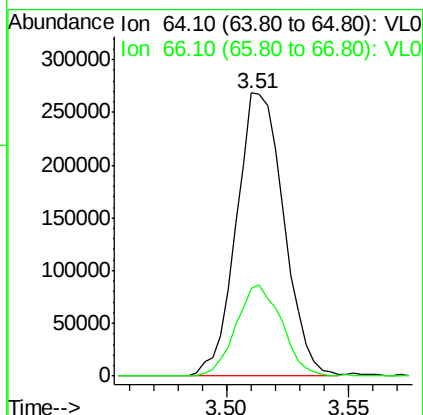
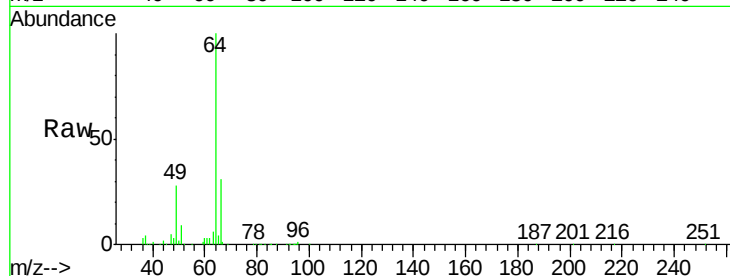
66 31.1 25.6 38.4

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#8

Dichlorotetrafluoroethane

Concen: 10.225 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL035315.D

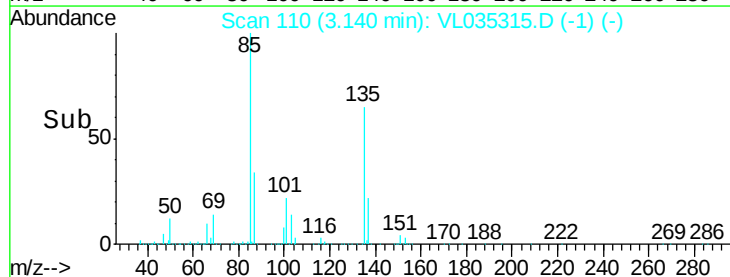
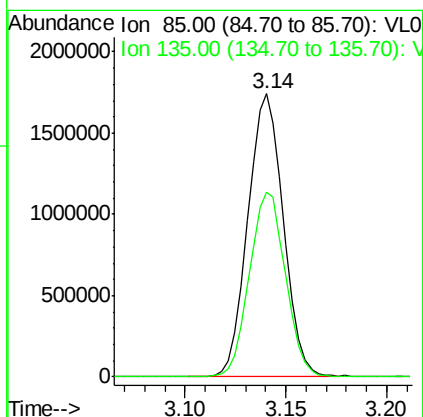
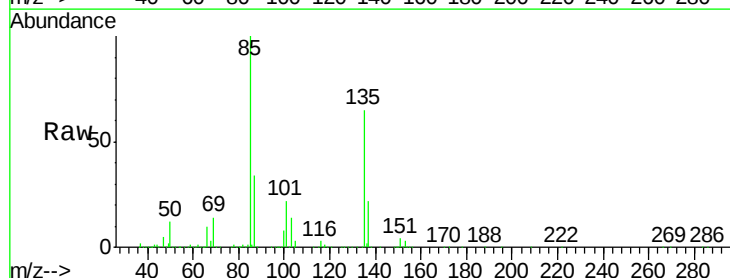
Acq: 3 Aug 2020 12:14

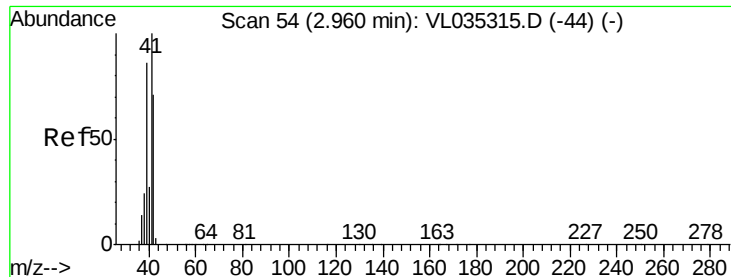
Tgt Ion: 85 Resp: 2143585

Ion Ratio Lower Upper

85 100

135 66.7 51.4 77.0





#9

Propene

Concen: 12.181 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 650243

Ion Ratio Lower Upper

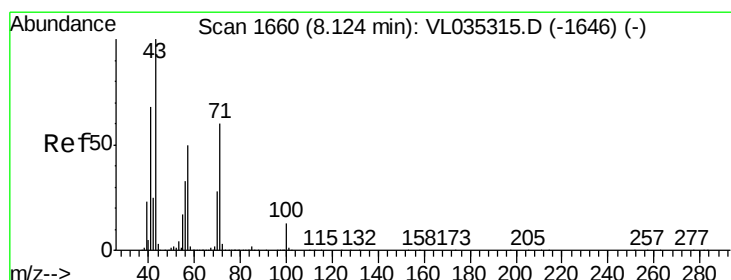
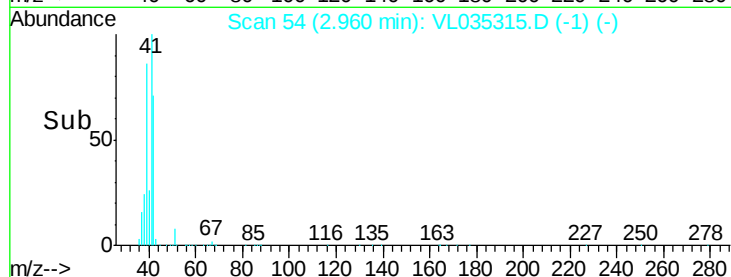
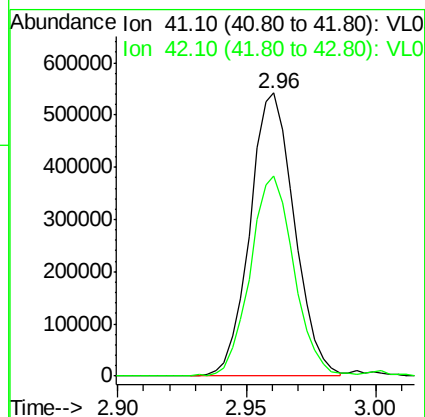
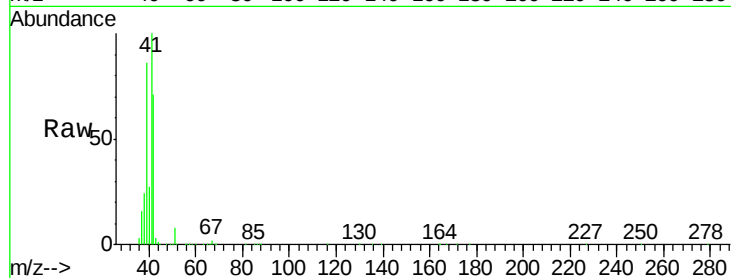
41 100

42 71.0 55.0 82.6

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#10

Heptane

Concen: 11.873 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL035315.D

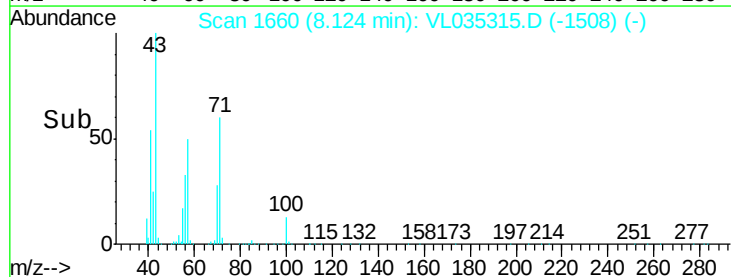
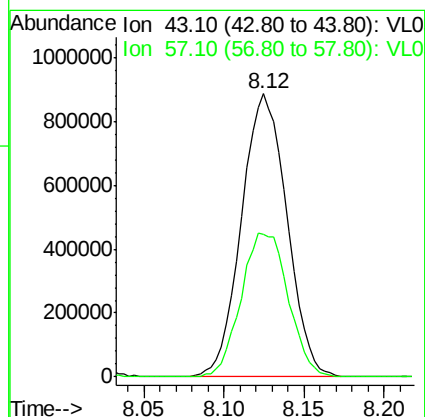
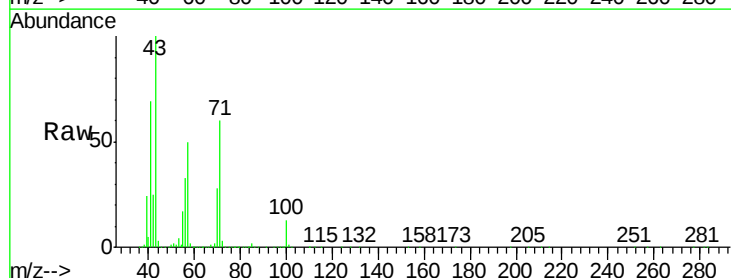
Acq: 3 Aug 2020 12:14

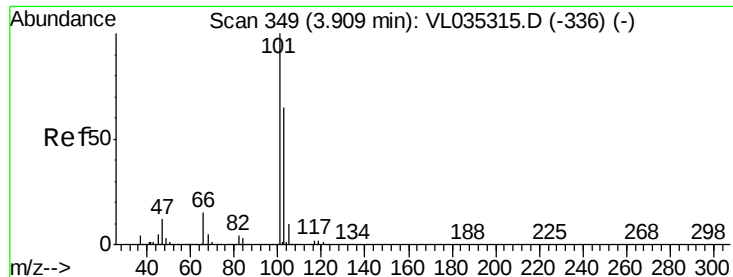
Tgt Ion: 43 Resp: 1715496

Ion Ratio Lower Upper

43 100

57 53.0 43.0 64.4





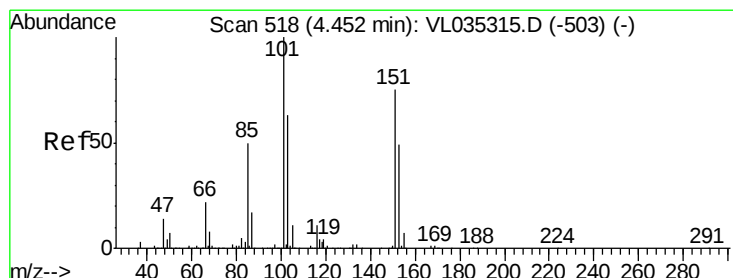
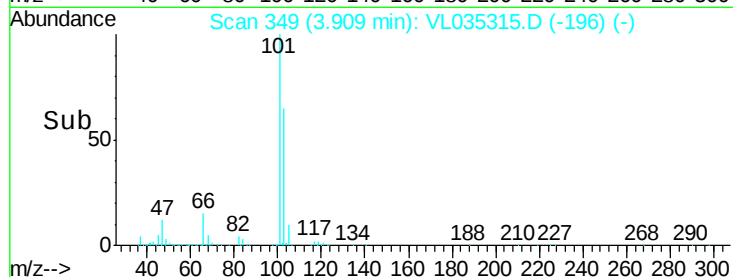
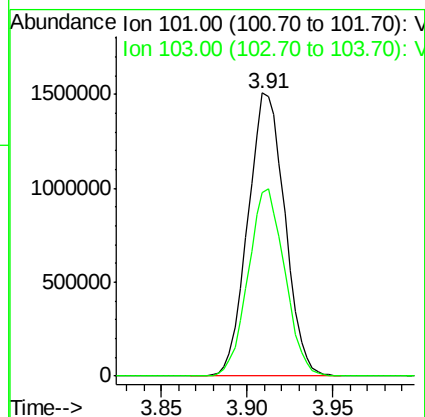
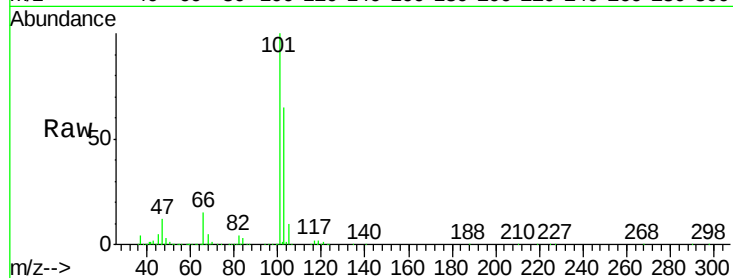
#11
 Trichlorofluoromethane
 Concen: 10.102 ppbv
 RT: 3.91 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2245033
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.4 80.0

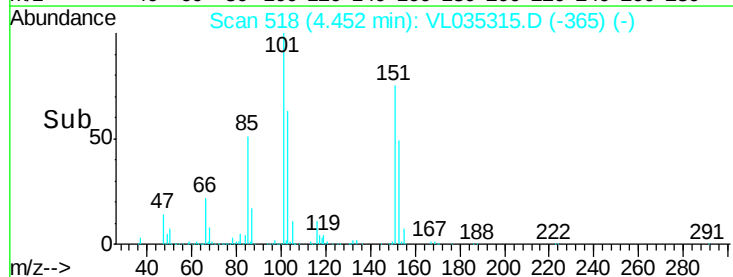
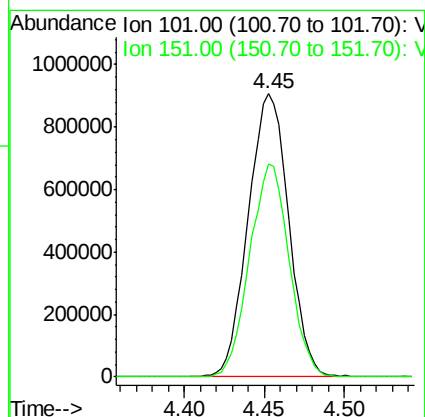
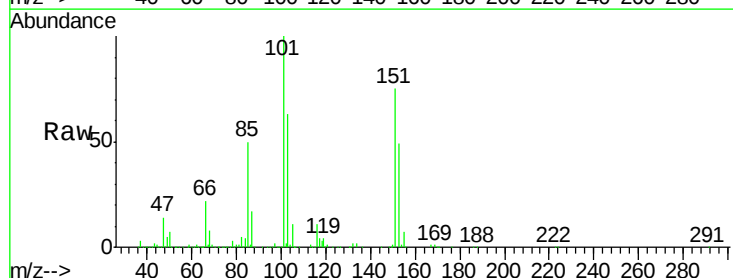
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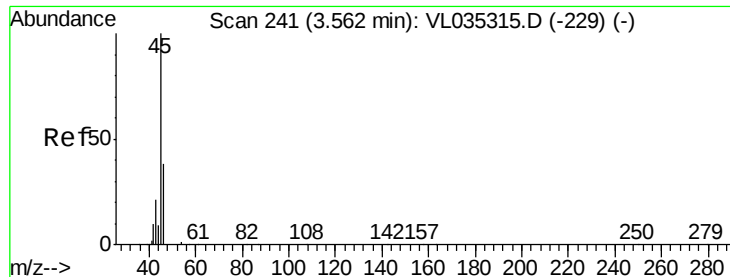
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.947 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion:101 Resp: 1567792
 Ion Ratio Lower Upper
 101 100
 151 73.6 56.6 85.0





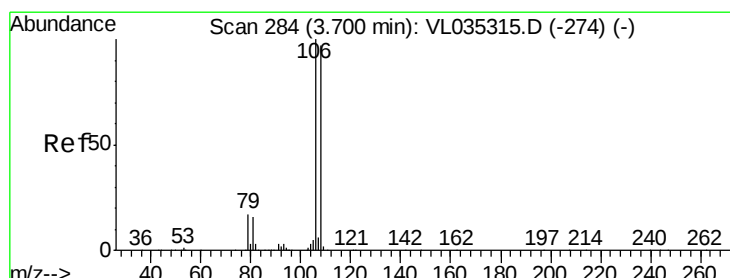
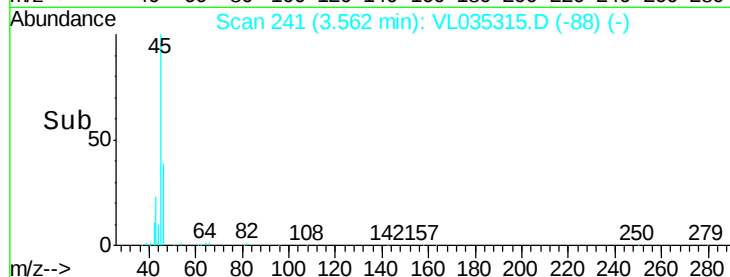
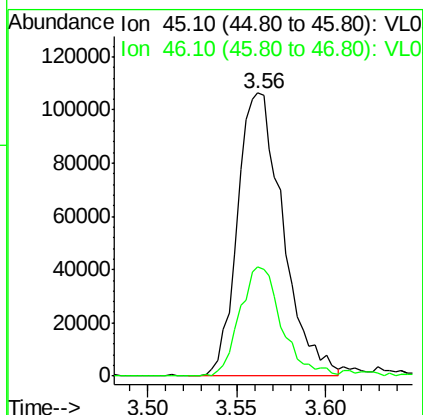
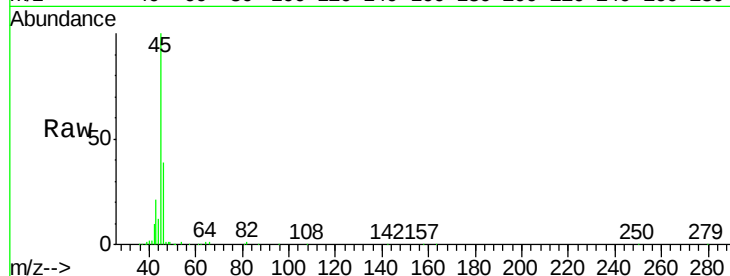
#13
Ethanol
Concen: 8.697 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	45	Resp	188957
Ion Ratio	100	Lower	Upper
46	36.2	15.8	63.4

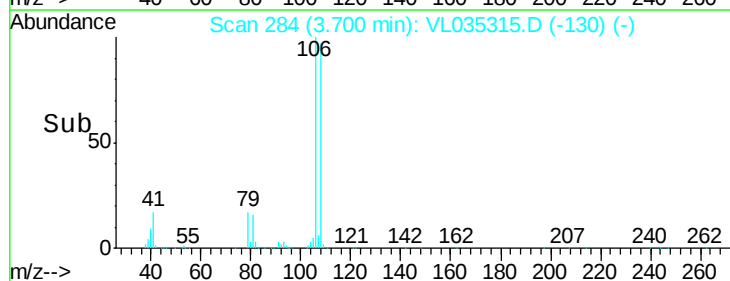
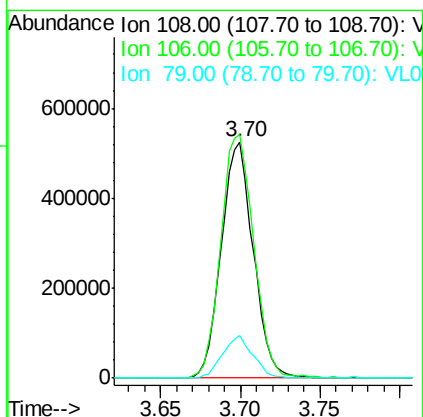
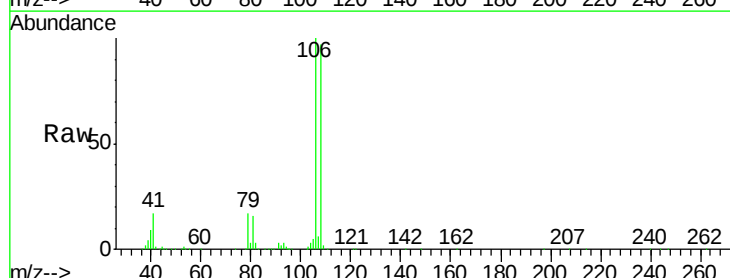
Manual Integrations
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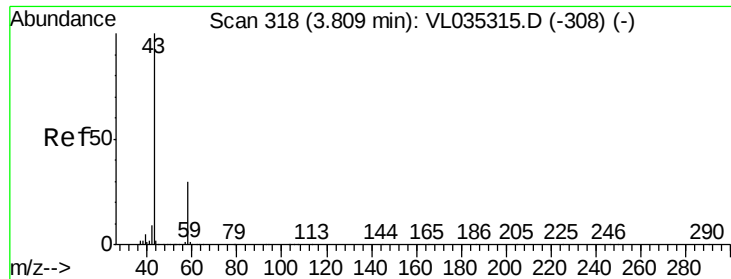
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#14
Bromoethene
Concen: 11.084 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	108	Resp	712946
Ion Ratio	100	Lower	Upper
106	107.7	85.0	127.6
79	17.5	15.4	23.2





#15

Acetone

Concen: 9.123 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion: 43 Resp: 1683411

Ion Ratio Lower Upper

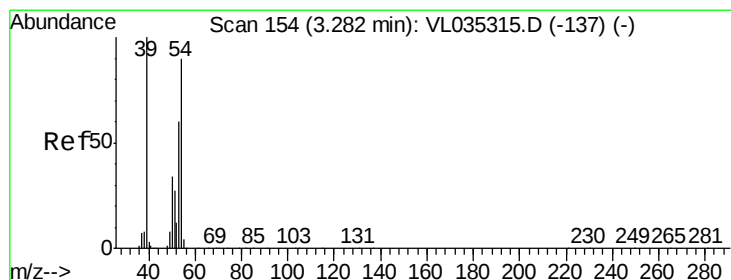
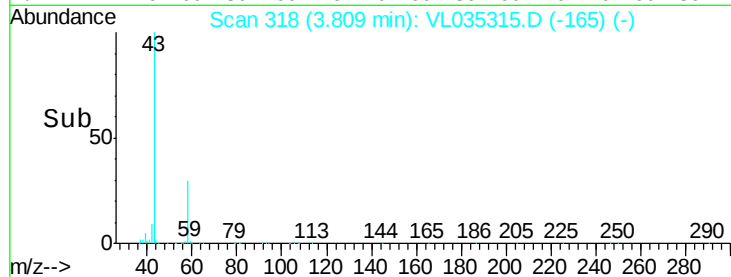
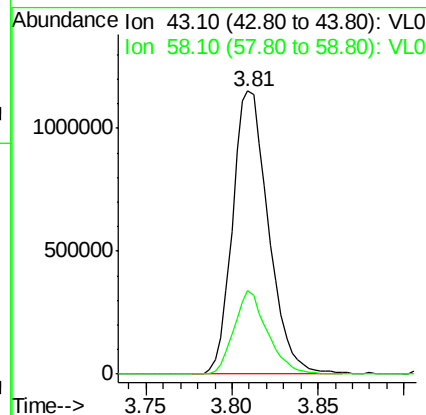
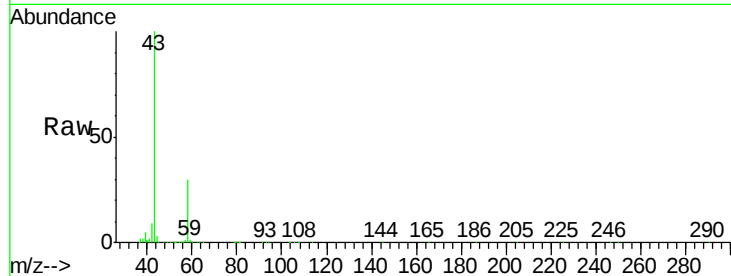
43 100

58 27.6 21.8 32.6

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#16

1,3-Butadiene

Concen: 11.385 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.01 min

Lab File: VL035315.D

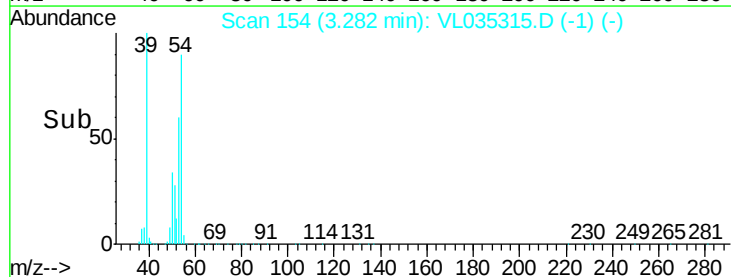
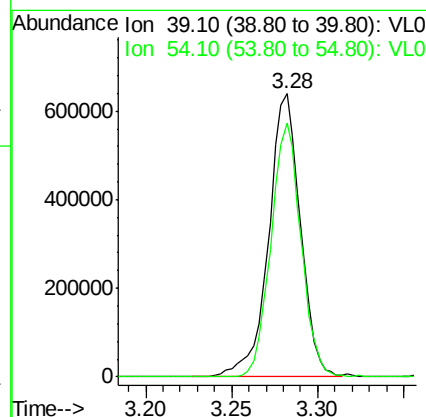
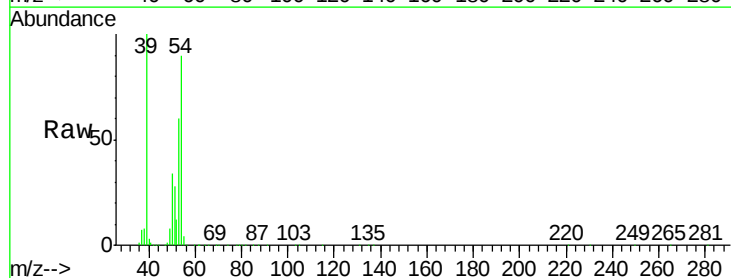
Acq: 3 Aug 2020 12:14

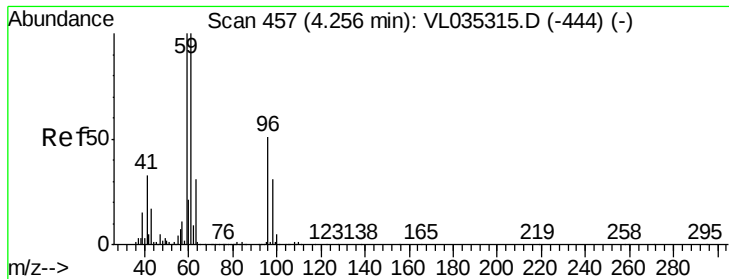
Tgt Ion: 39 Resp: 819540

Ion Ratio Lower Upper

39 100

54 85.0 68.2 102.2





#17

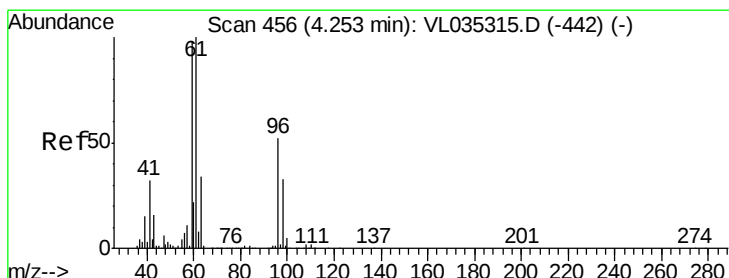
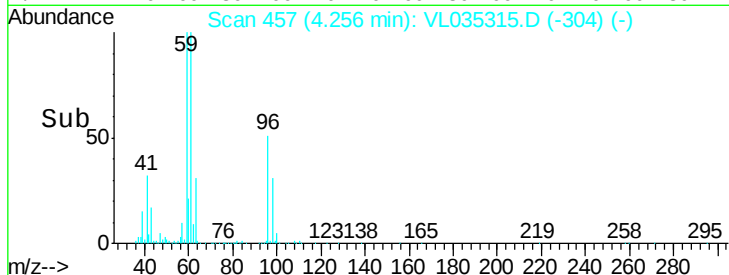
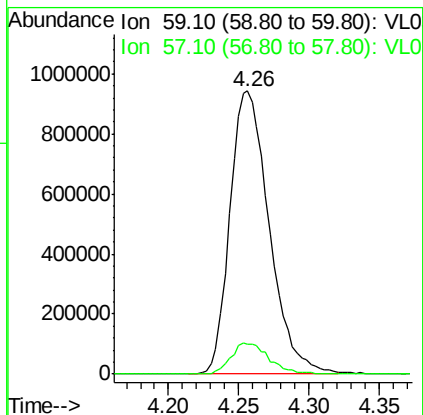
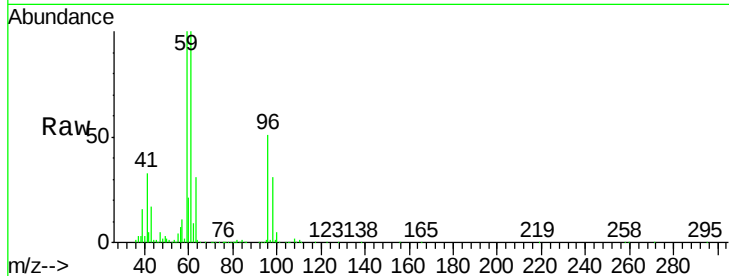
tert-Butyl alcohol
Concen: 10.306 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 59 Resp: 183542
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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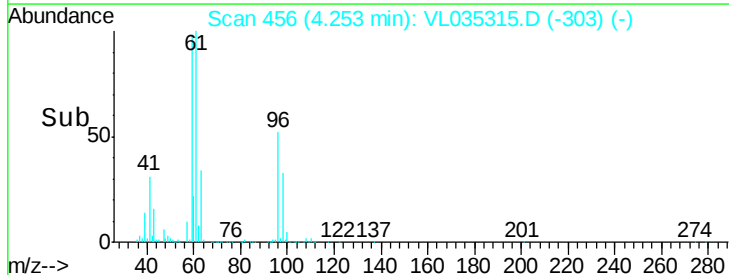
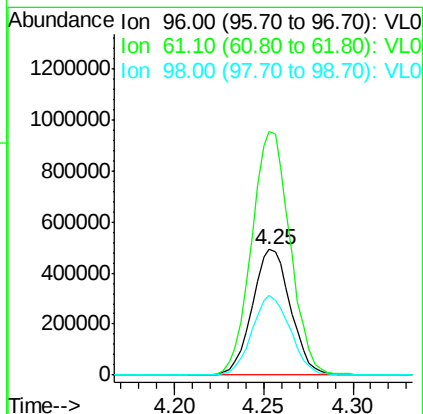
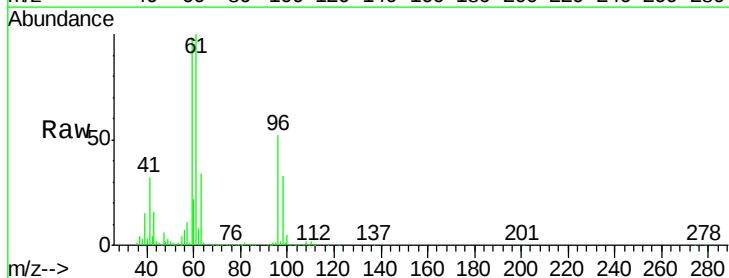
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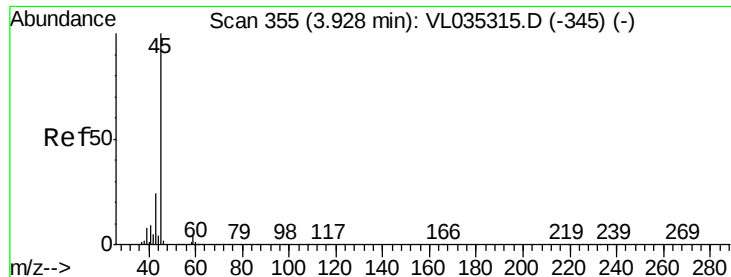


#18

1,1-Dichloroethene
Concen: 10.552 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion: 96 Resp: 738444
Ion Ratio Lower Upper
96 100
61 193.6 159.4 239.2
98 63.7 53.9 80.9





#19

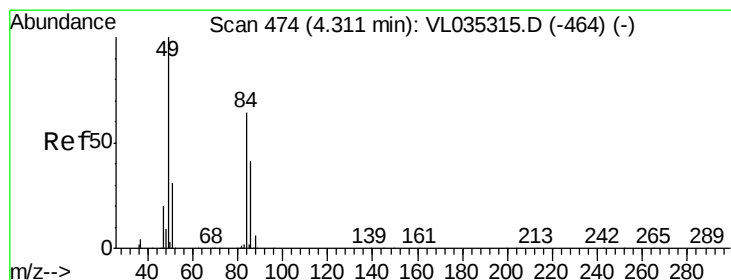
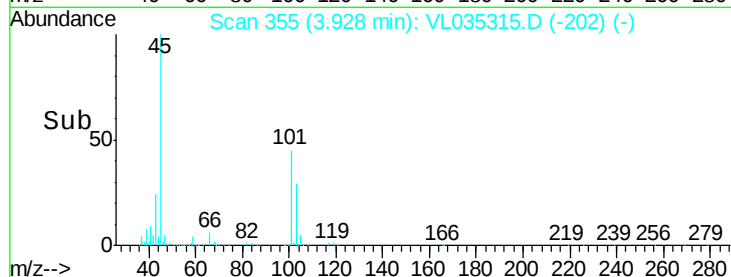
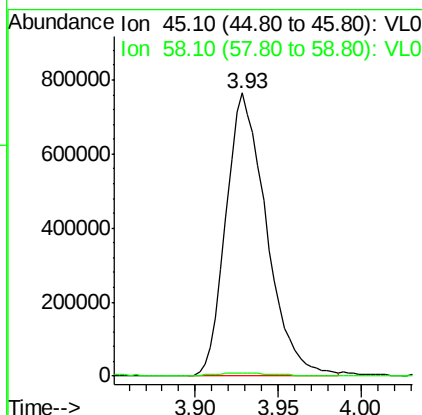
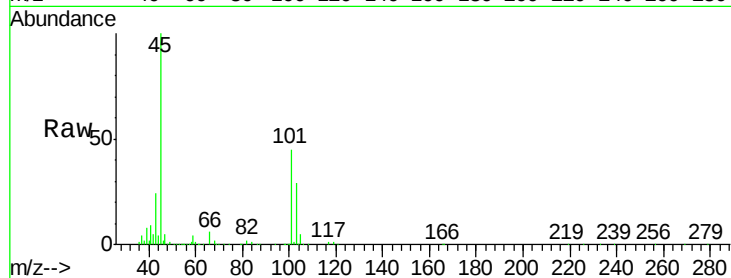
Isopropyl Alcohol
 Concen: 10.600 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 45 Resp: 1290075
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.9 2.9#

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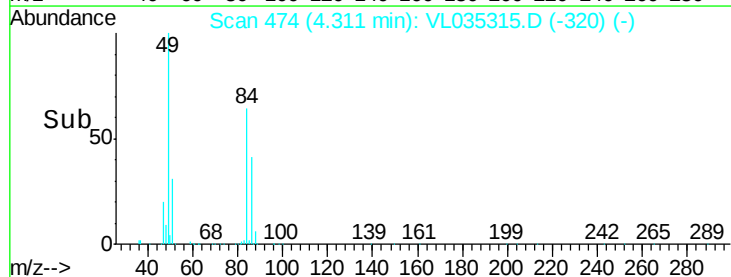
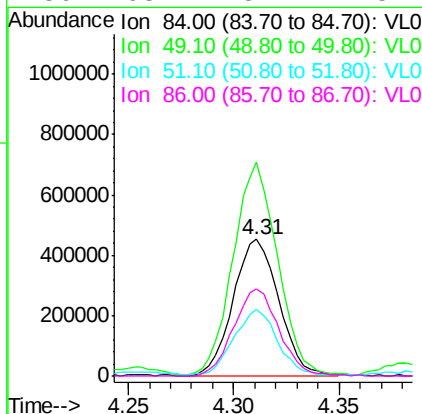
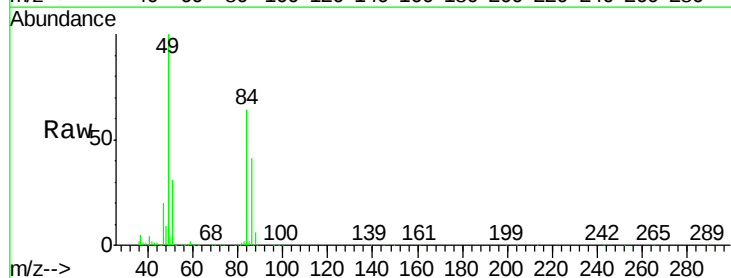
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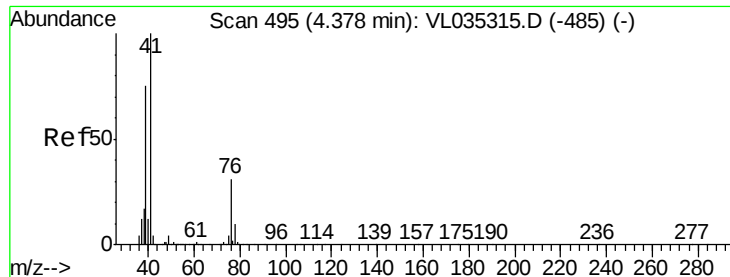


#20

Methylene Chloride
 Concen: 8.086 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion: 84 Resp: 679200
 Ion Ratio Lower Upper
 84 100
 49 155.2 121.0 181.4
 51 48.3 37.7 56.5
 86 63.7 52.2 78.4





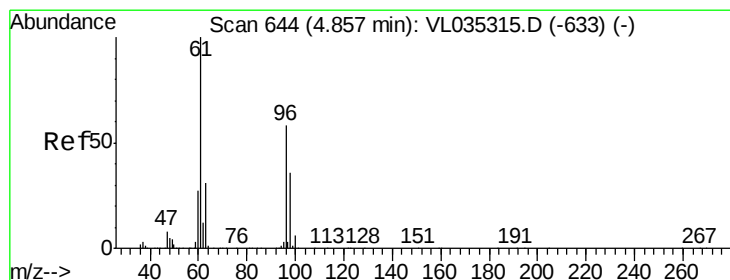
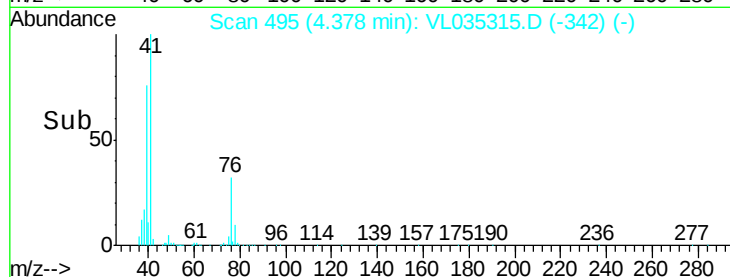
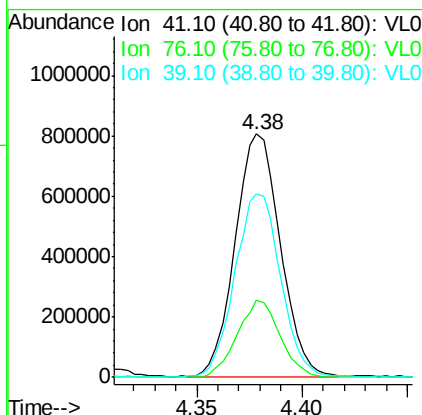
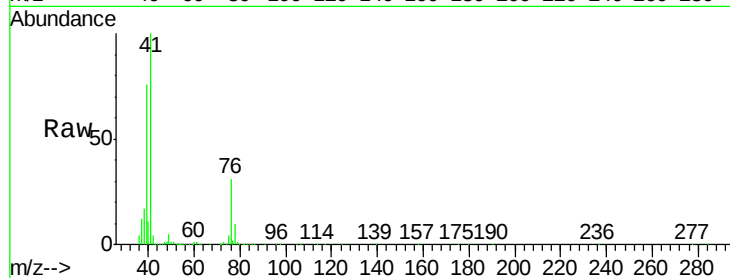
#21
Allvl Chloride
Concen: 11.347 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.4	36.6
39	77.2	63.8	95.8

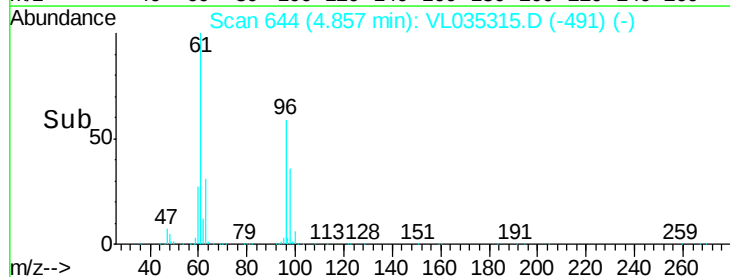
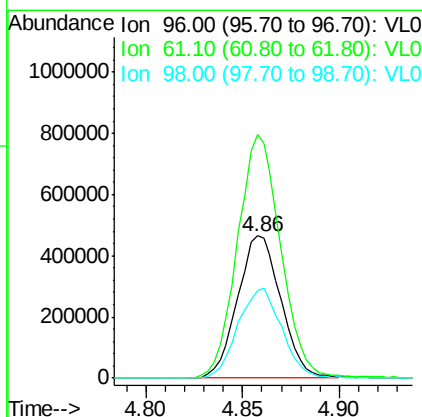
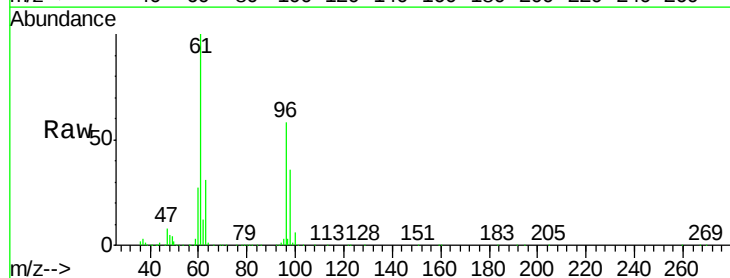
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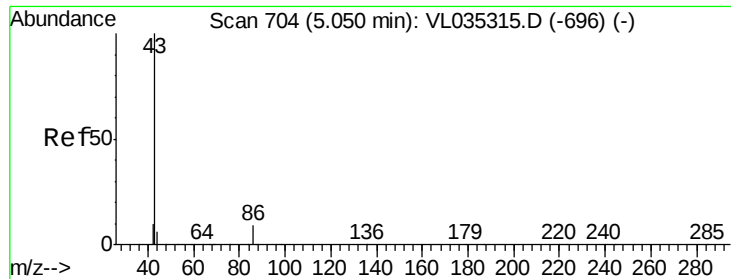
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#22
trans-1,2-Dichloroethene
Concen: 10.810 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	131.6	197.4
98	61.5	49.0	73.4





#23

Vinyl Acetate

Concen: 12.207 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2263462

Ion Ratio Lower Upper

43 100

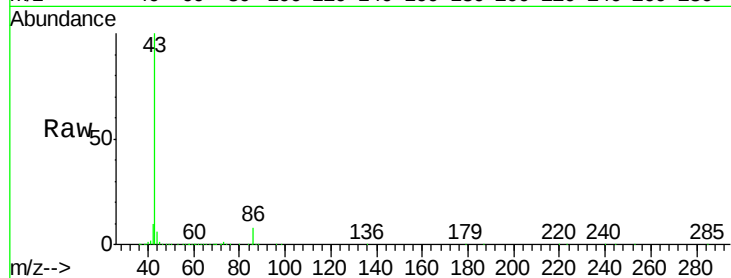
86 8.1 6.2 9.2

42 10.3 8.0 12.0

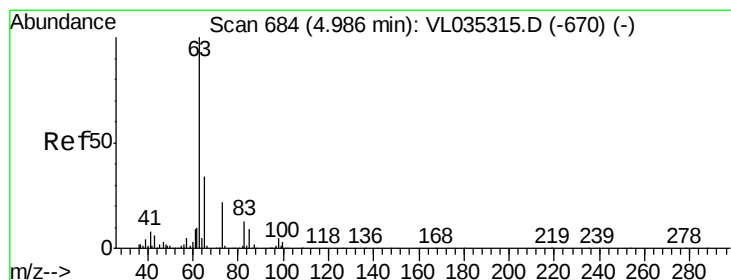
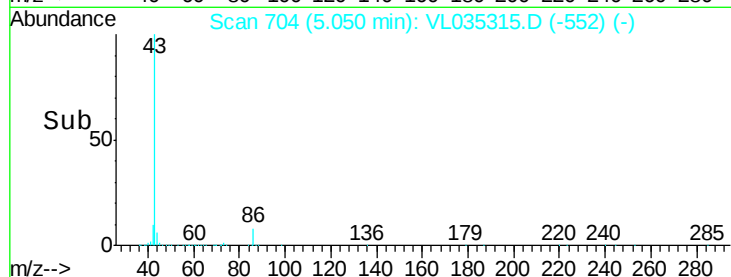
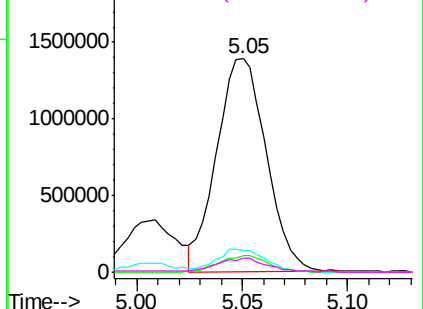
44 6.3 5.2 7.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.770 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

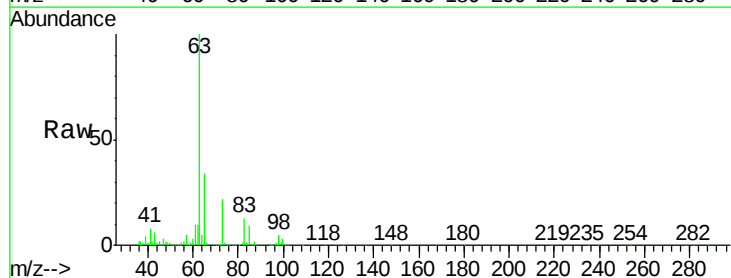
Tgt Ion: 63 Resp: 1862426

Ion Ratio Lower Upper

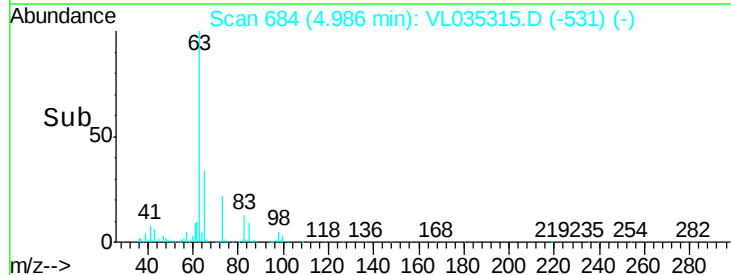
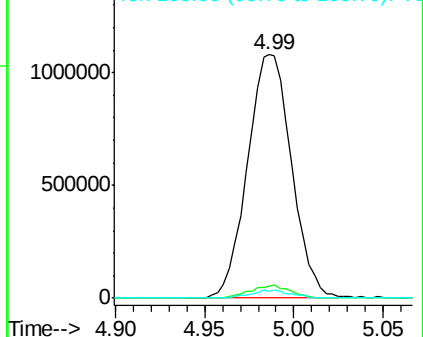
63 100

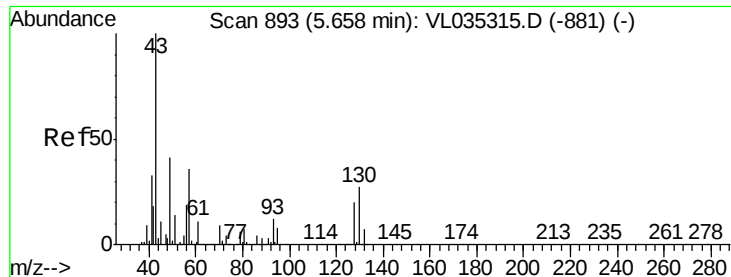
98 5.0 1.9 5.7

100 2.9 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.980 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3164099

Ion Ratio Lower Upper

43 100

45 10.7 8.5 12.7

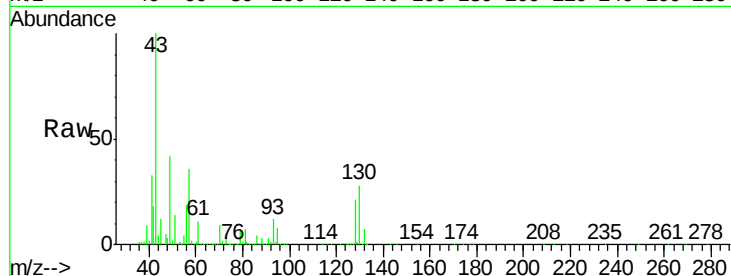
61 10.1 8.1 12.1

70 8.1 6.2 9.4

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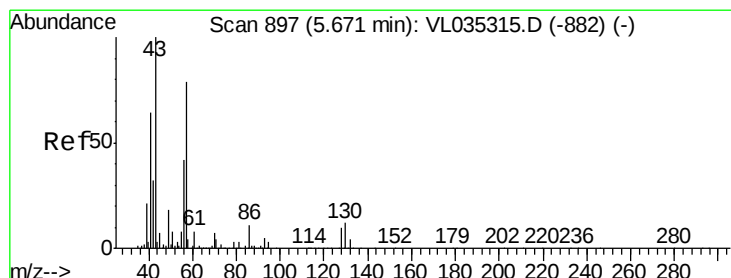
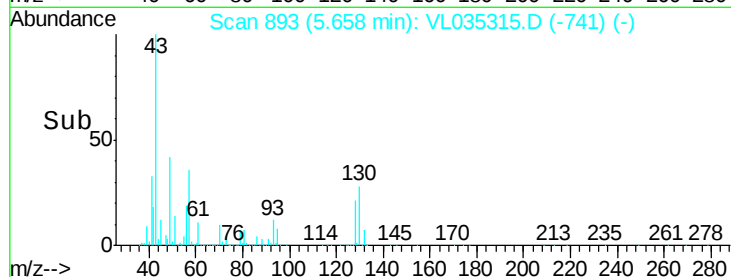
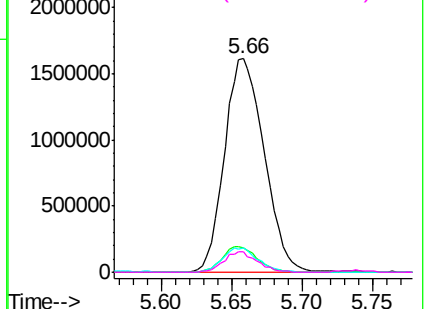
Abundance

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: 10.992 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Tgt Ion: 57 Resp: 1429027

Ion Ratio Lower Upper

57 100

41 90.1 73.9 110.9

43 223.8 177.6 266.4

56 53.4 43.0 64.4

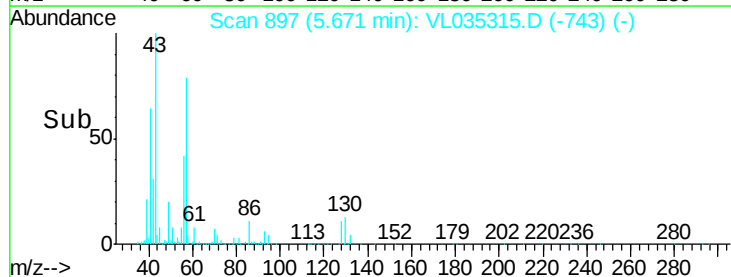
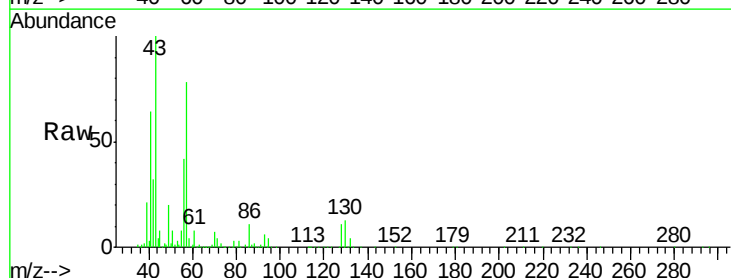
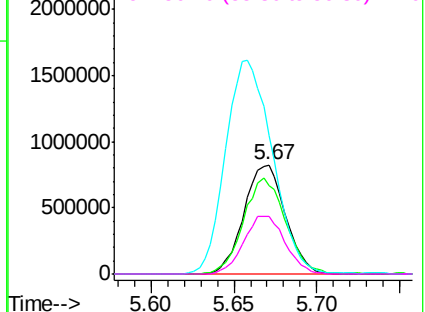
Abundance

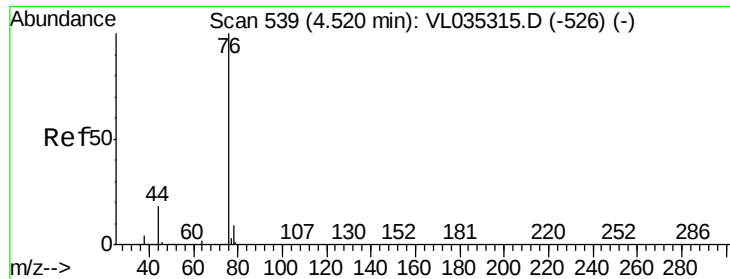
Ion 57.10 (56.80 to 57.80): VL0

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: 10.841 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1904054

Ion Ratio Lower Upper

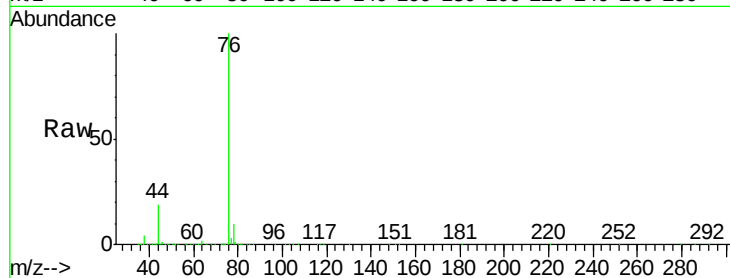
76 100

44 18.5 14.7 22.1

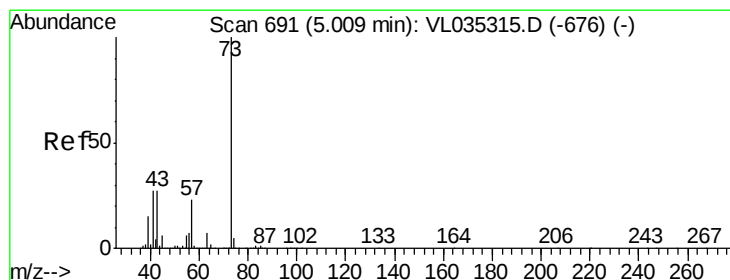
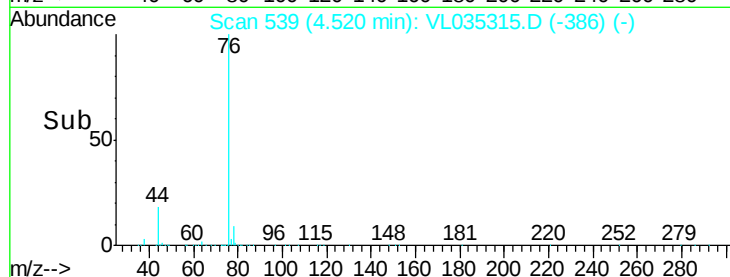
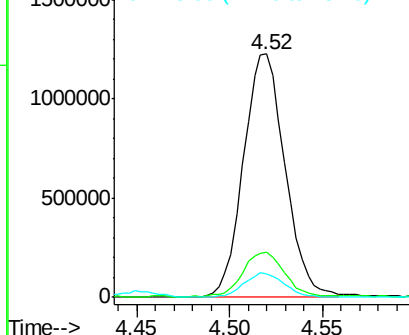
78 9.8 7.6 11.4

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.219 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035315.D

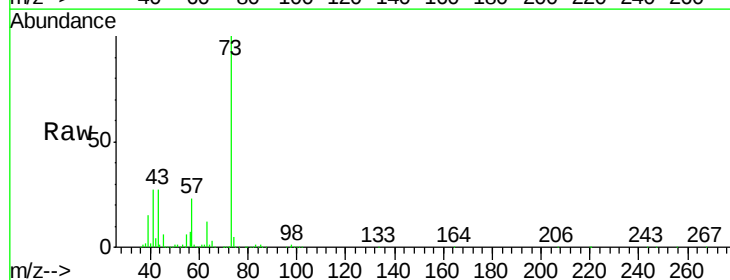
Acq: 3 Aug 2020 12:14

Tgt Ion: 73 Resp: 2270804

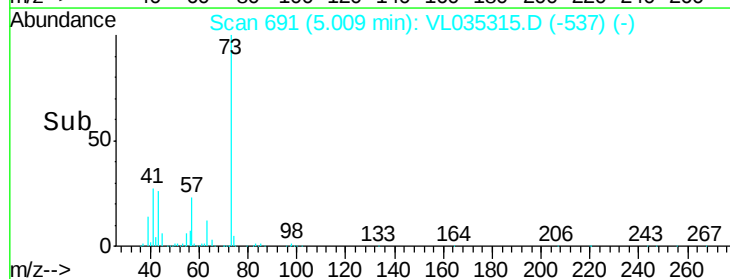
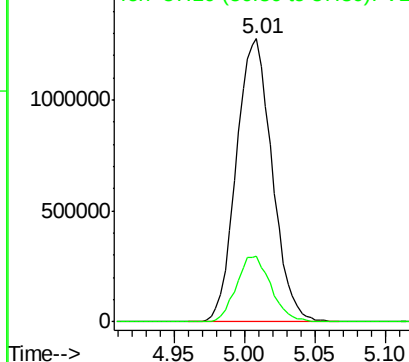
Ion Ratio Lower Upper

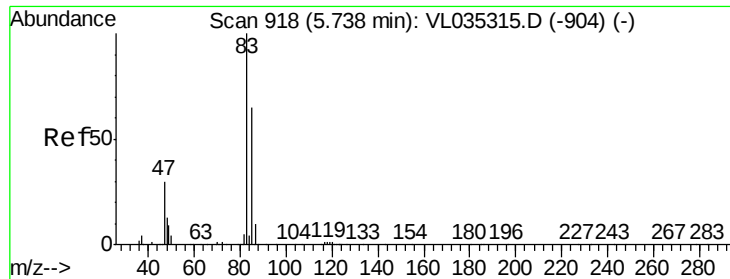
73 100

57 22.7 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





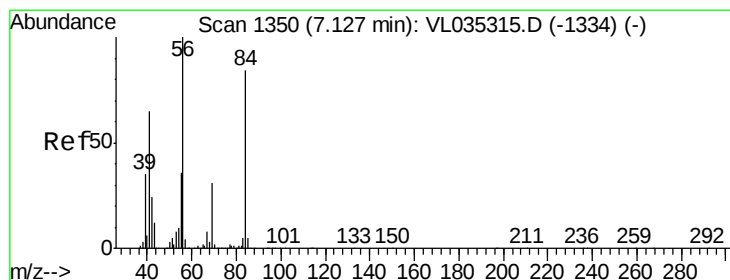
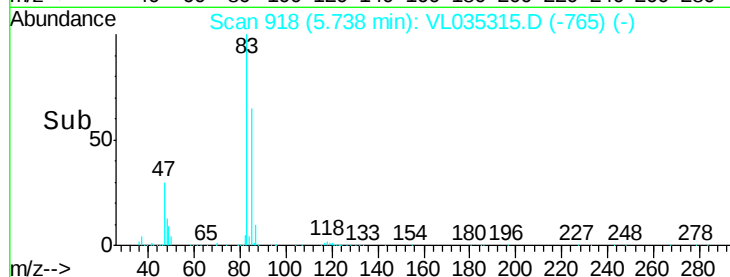
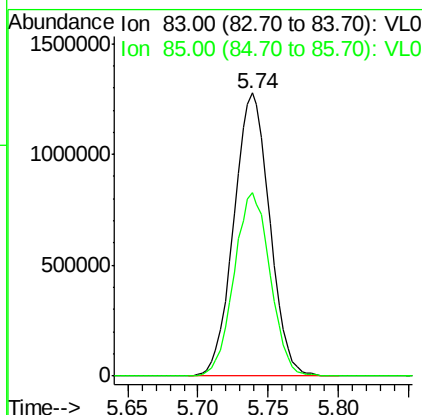
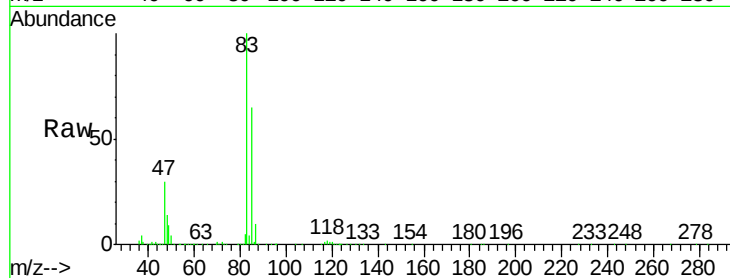
#29
Chloroform
Concen: 10.423 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2272596
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5

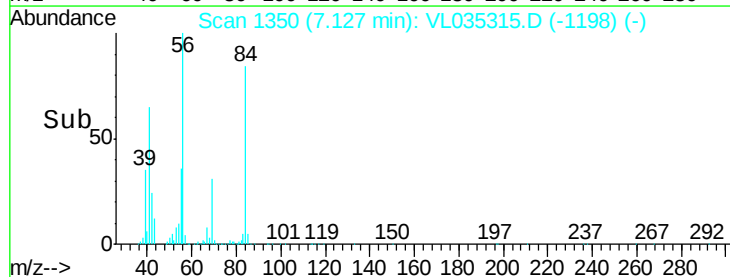
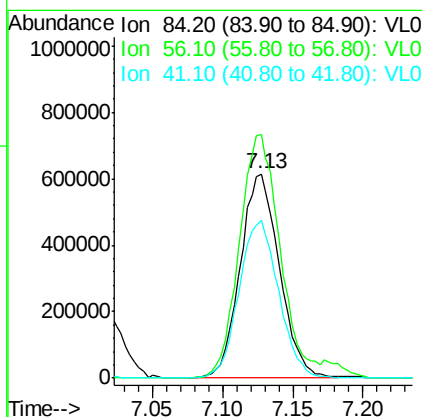
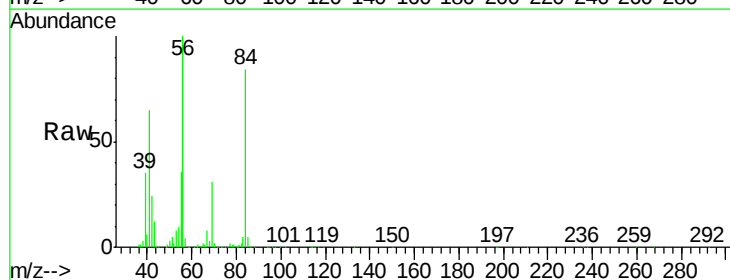
Manual Integrations
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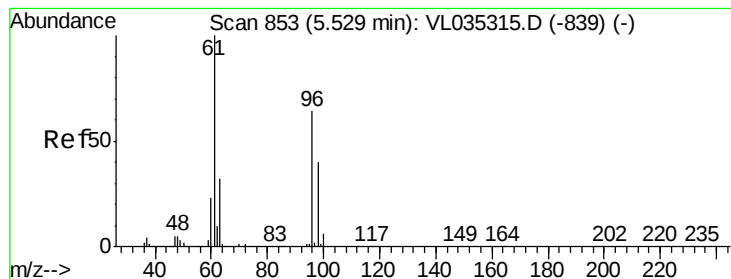
apatel
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#30
Cyclohexane
Concen: 12.862 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion: 84 Resp: 1195182
Ion Ratio Lower Upper
84 100
56 128.8 104.2 156.2
41 78.4 63.7 95.5





#31

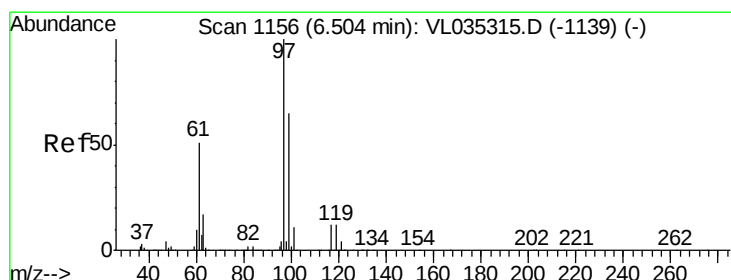
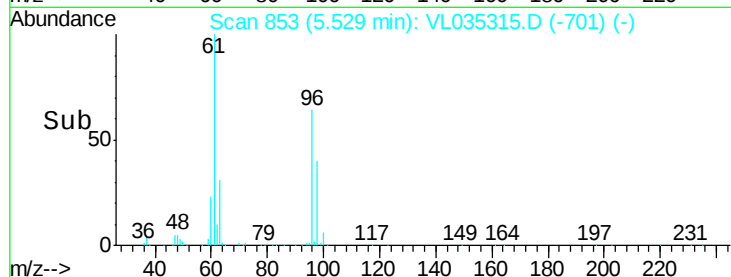
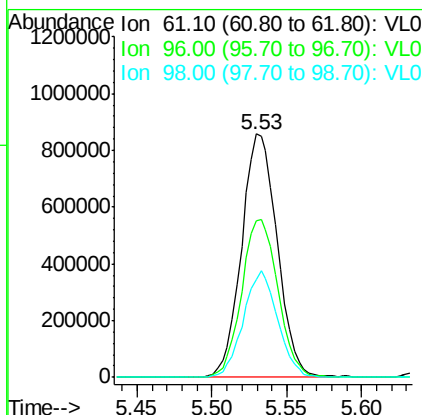
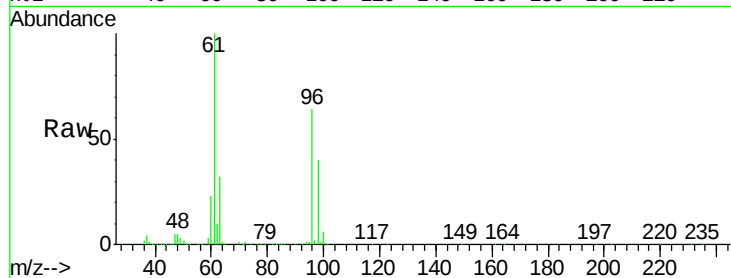
cis-1,2-Dichloroethene
 Concen: 12.588 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	52.6	78.8
98	40.3	33.7	50.5

Manual Integrations
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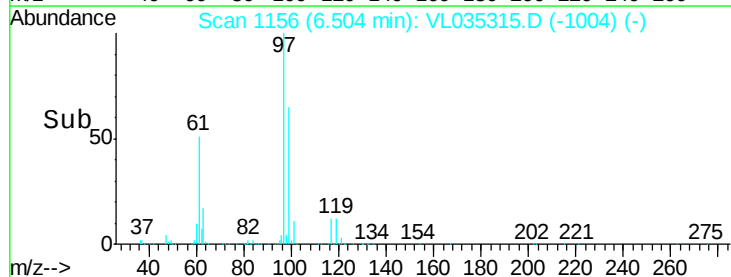
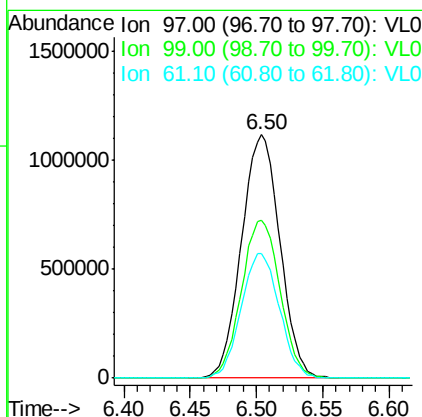
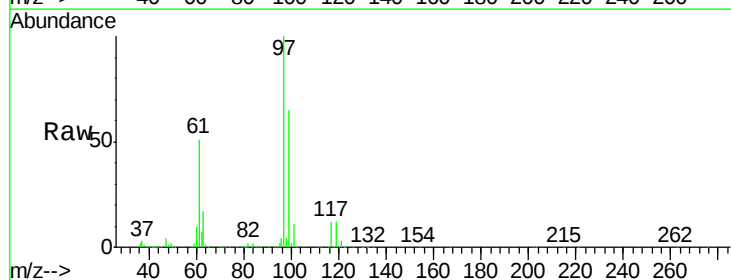
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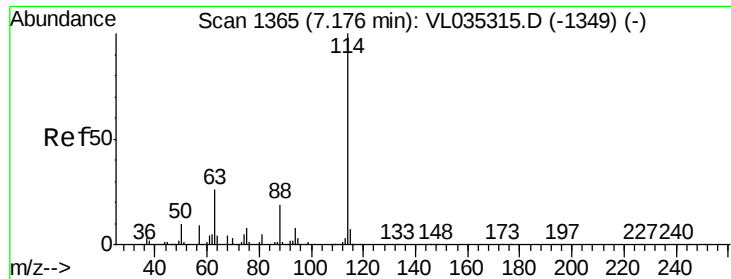


#32

1,1,1-Trichloroethane
 Concen: 10.104 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	51.1	40.4	60.6





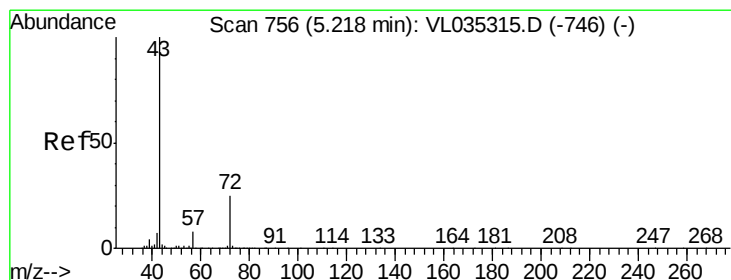
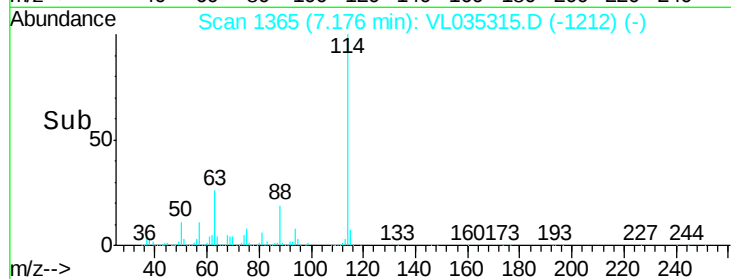
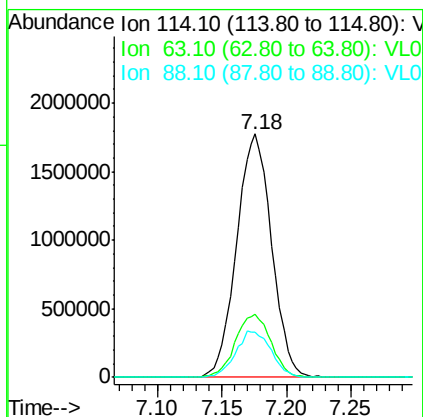
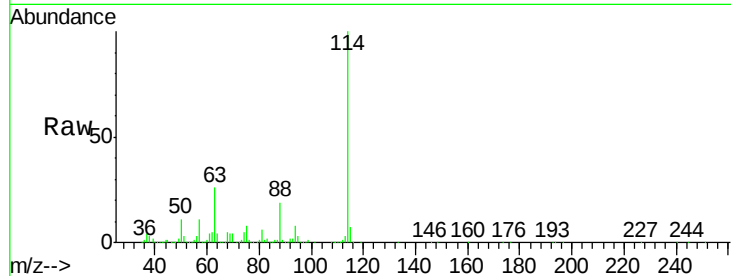
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.2	33.2
88	19.1	15.4	23.0

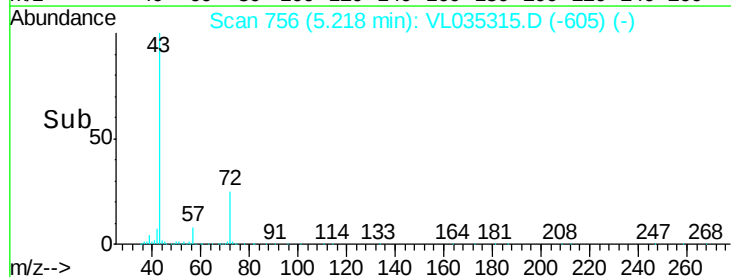
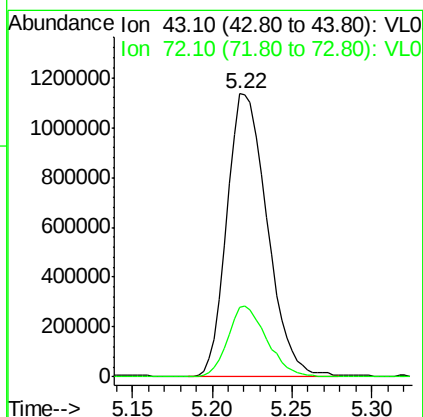
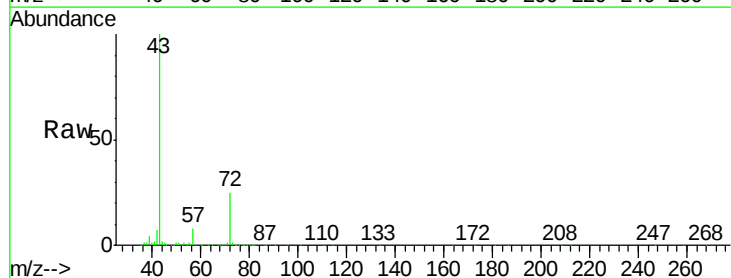
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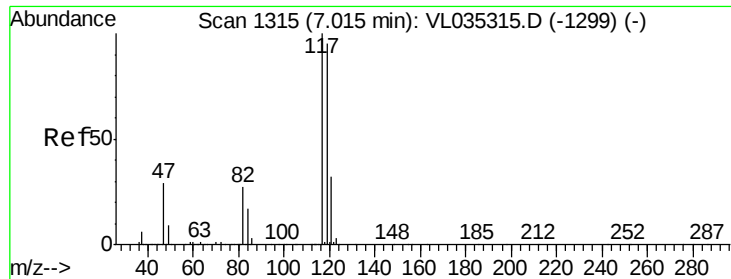
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#34
 2-Butanone
 Concen: 11.498 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	19.2	28.8





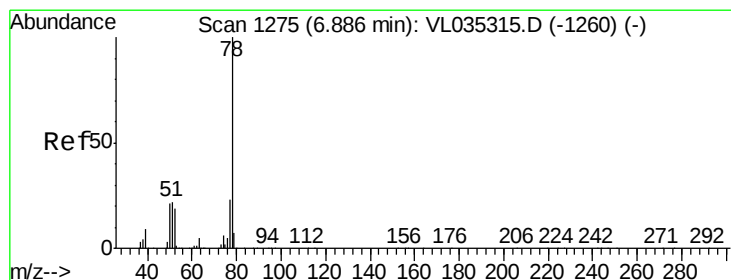
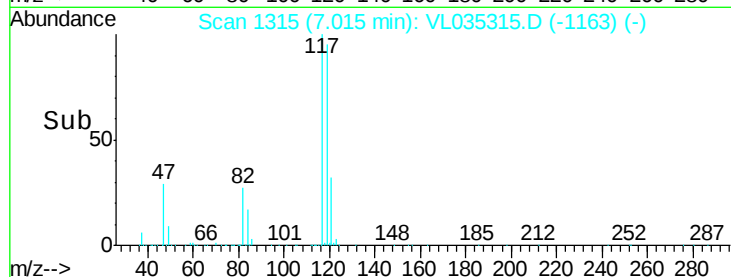
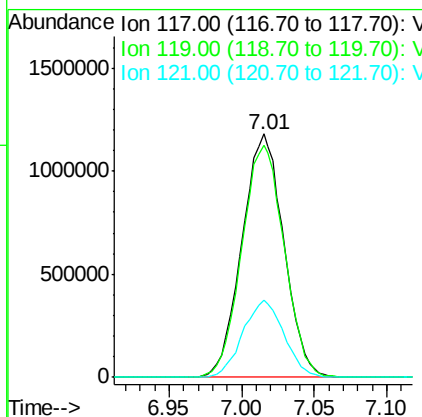
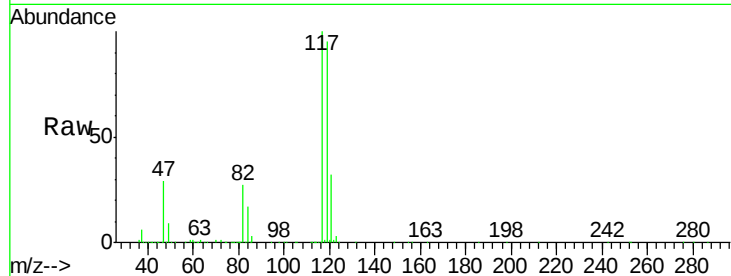
#35
Carbon Tetrachloride
Concen: 10.560 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.8	115.2
121	32.0	24.5	36.7

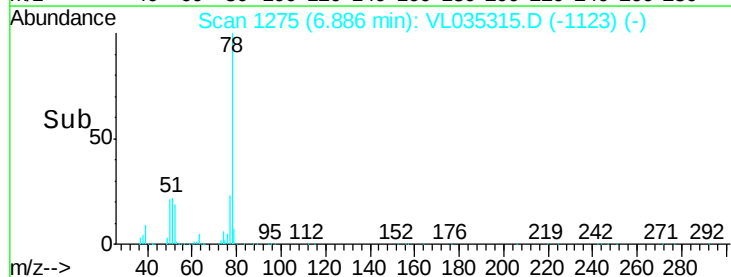
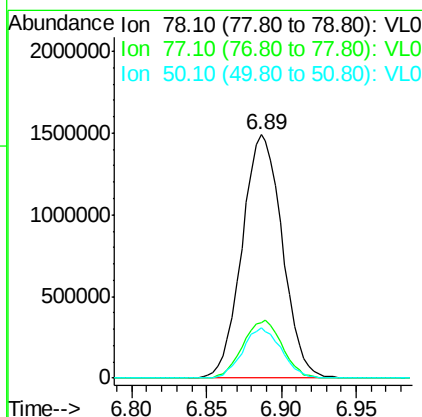
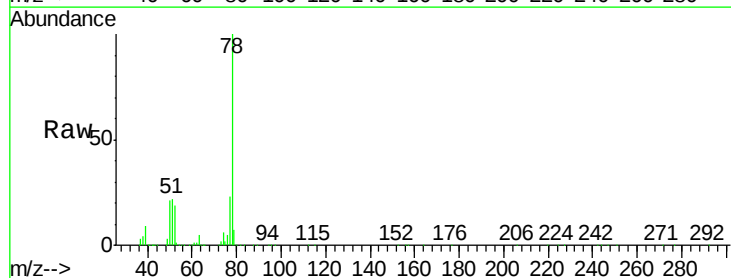
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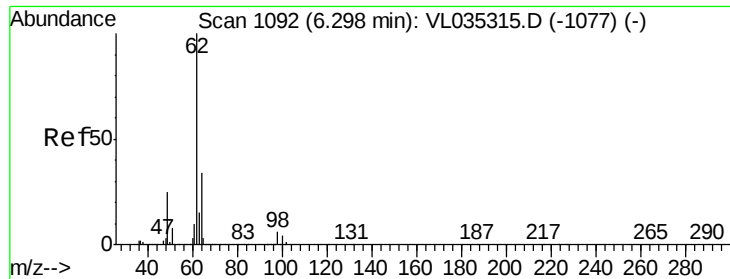
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#36
Benzene
Concen: 11.972 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3
50	20.8	16.1	24.1





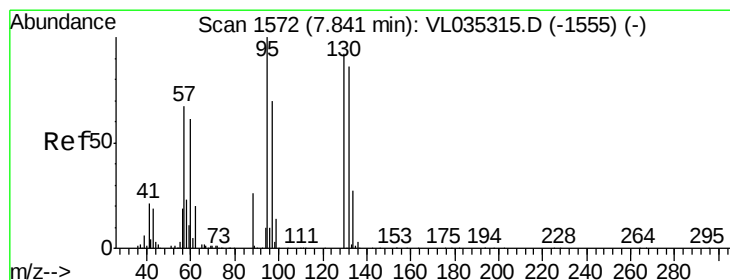
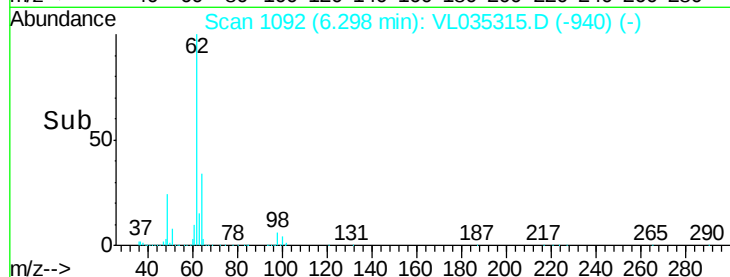
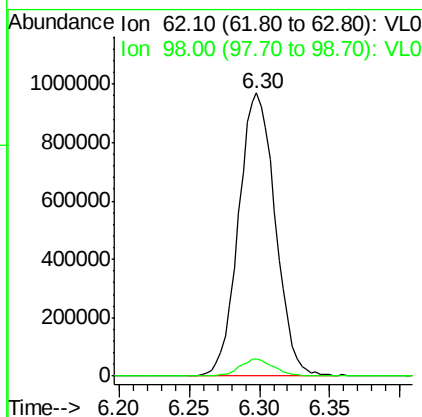
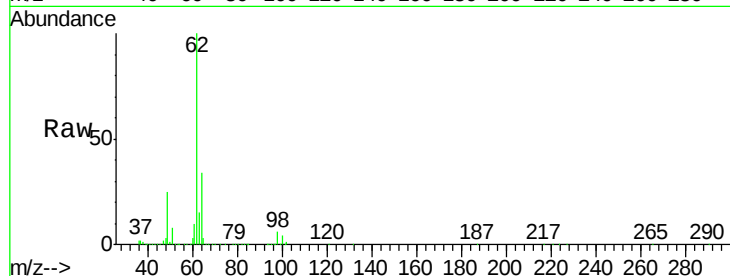
#37
 1,2-Dichloroethane
 Concen: 10.898 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7

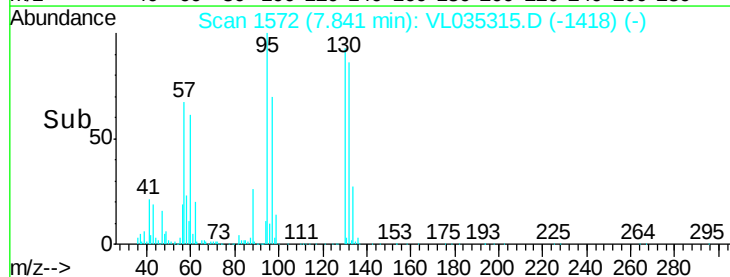
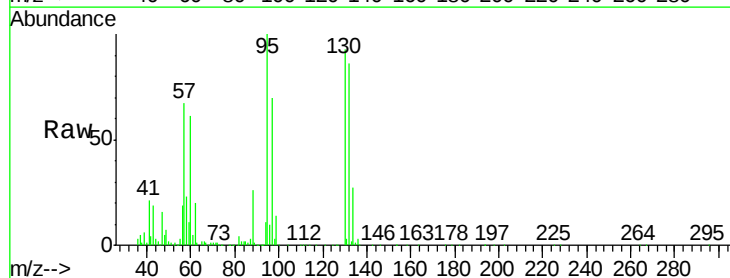
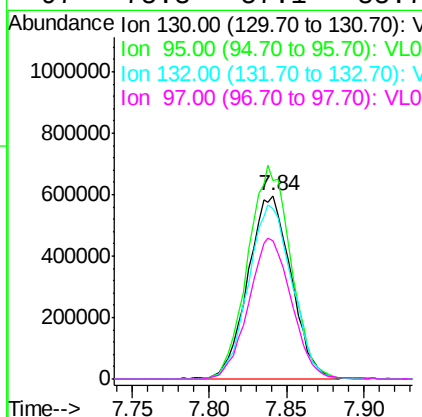
Manual Integrations
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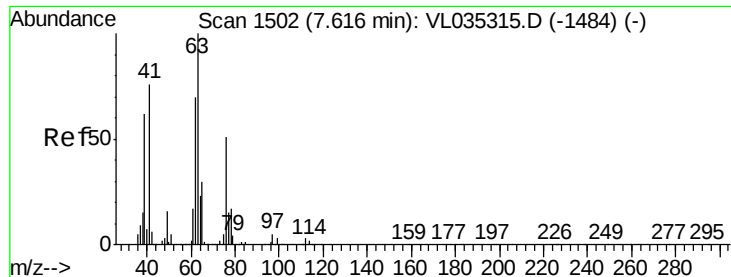
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#38
 Trichloroethene
 Concen: 12.047 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.9	90.7	136.1
132	92.7	72.9	109.3
97	75.3	57.1	85.7





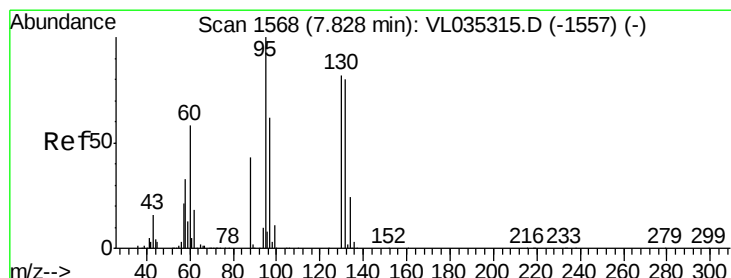
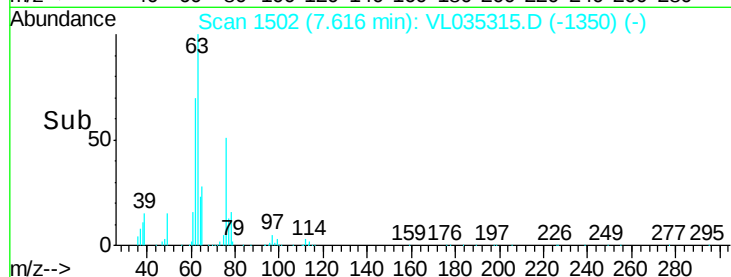
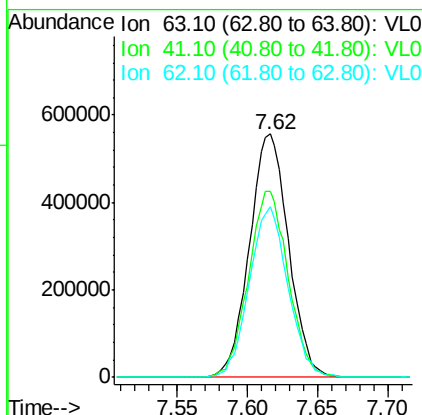
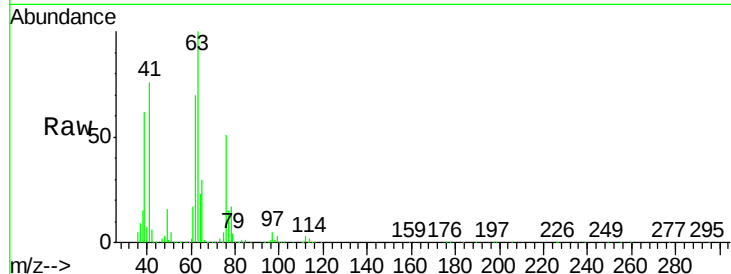
#39
 1,2-Dichloropropane
 Concen: 11.651 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.2	62.2	93.4
62	69.8	54.2	81.2

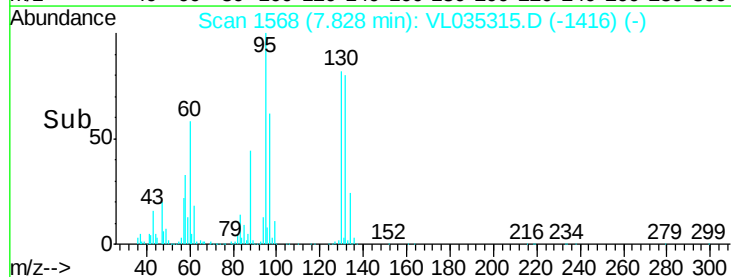
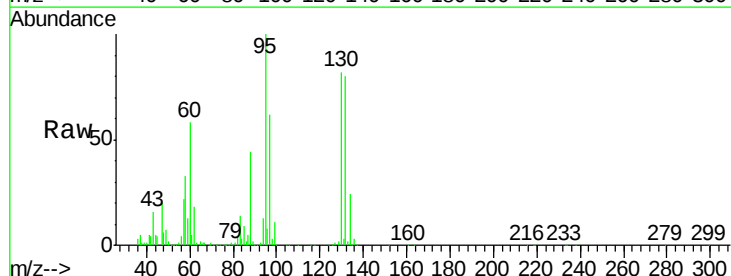
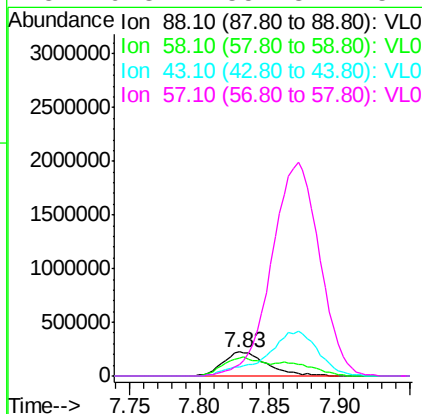
Manual Integrations
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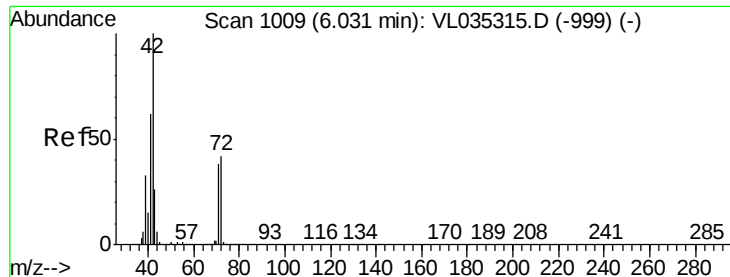
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#40
 1,4-Dioxane
 Concen: 13.643 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	119.3	99.3	148.9
43	215.9	195.6	293.4
57	948.7	854.3	1281.5





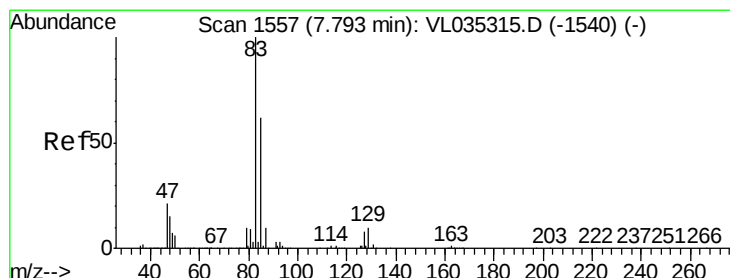
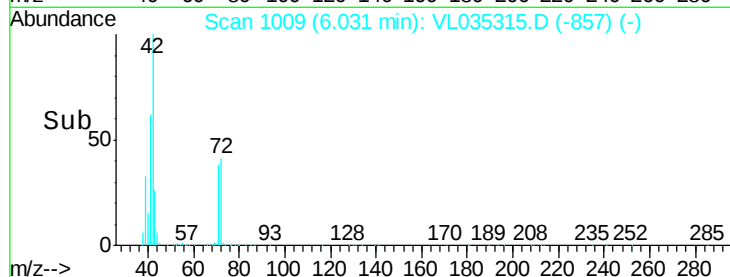
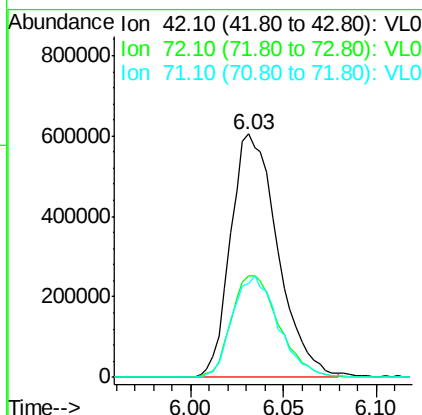
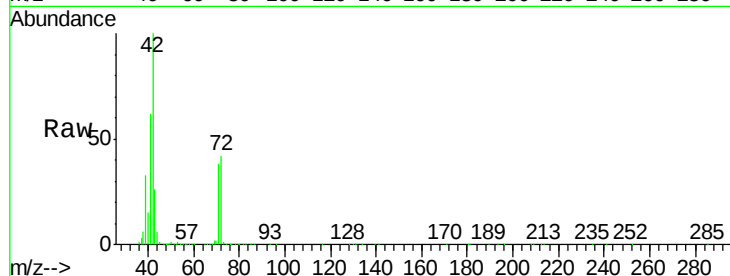
#41
Tetrahydrofuran
Concen: 12.834 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.2
71	40.9	33.2	49.8

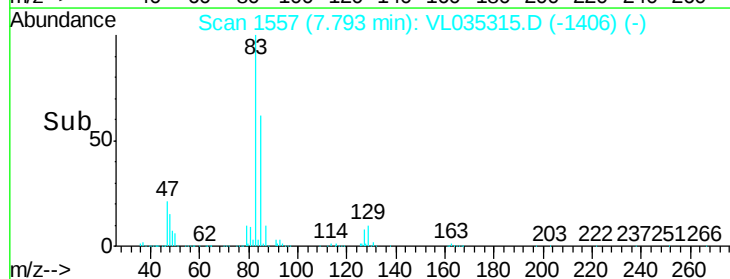
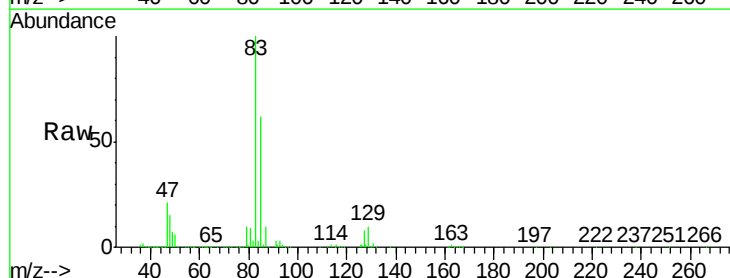
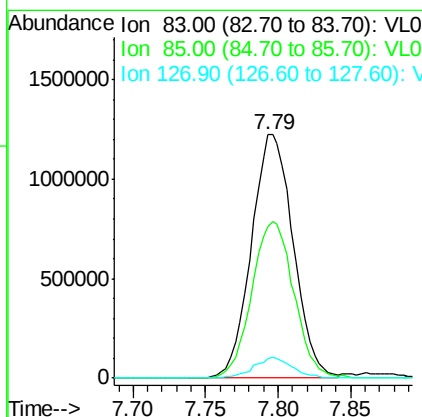
Manual Integrations
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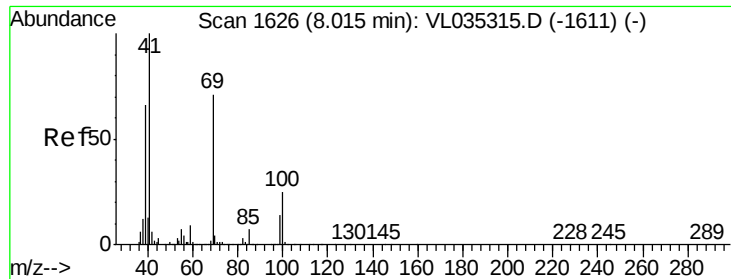
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#42
Bromodichloromethane
Concen: 11.339 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.9	79.3
127	8.3	6.5	9.7





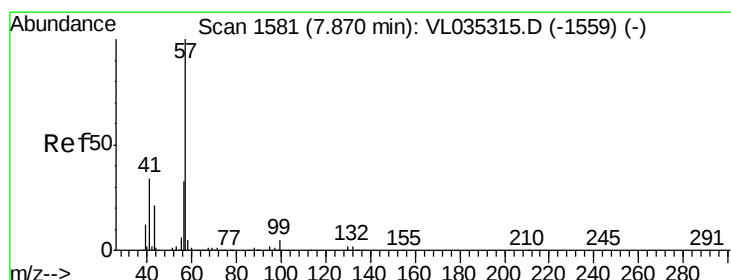
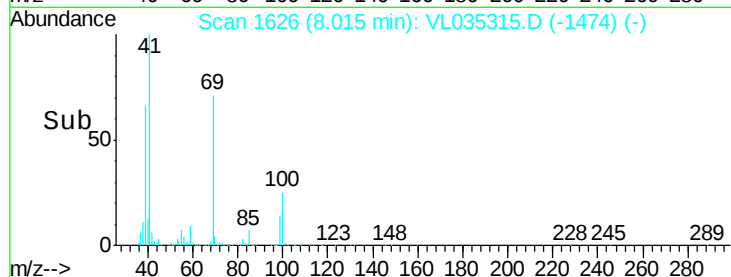
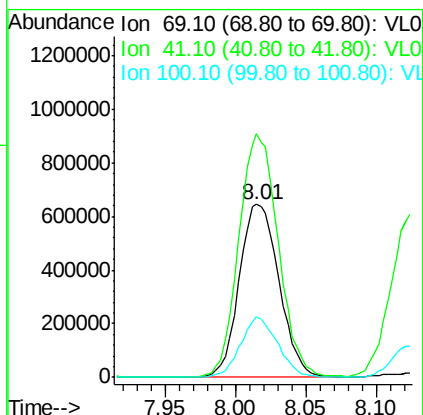
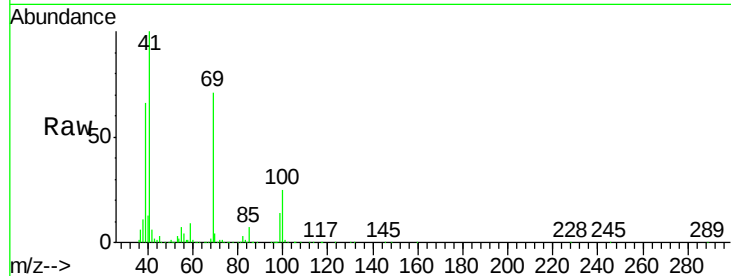
#43
Methvl Methacrvlate
Concen: 12.694 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1277482
Ion Ratio Lower Upper
69 100
41 138.6 113.0 169.4
100 32.5 25.3 37.9

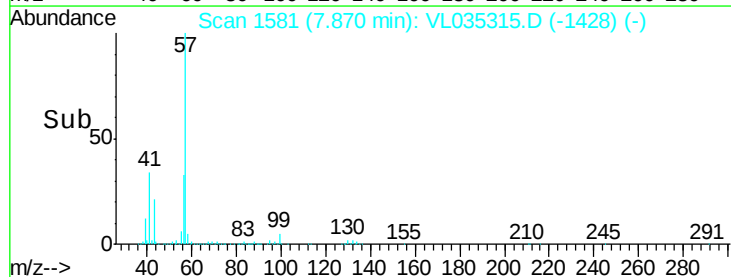
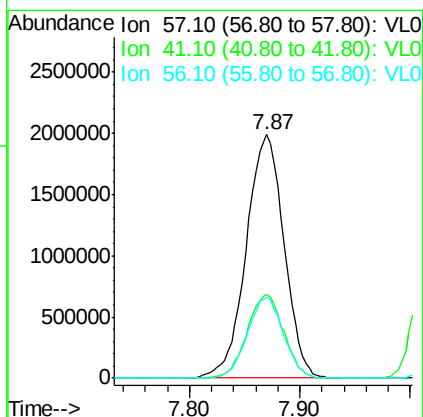
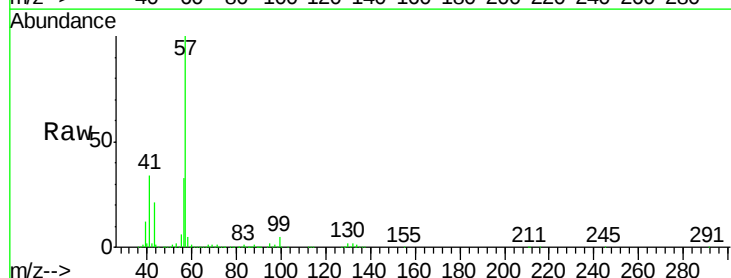
Manual Integrations
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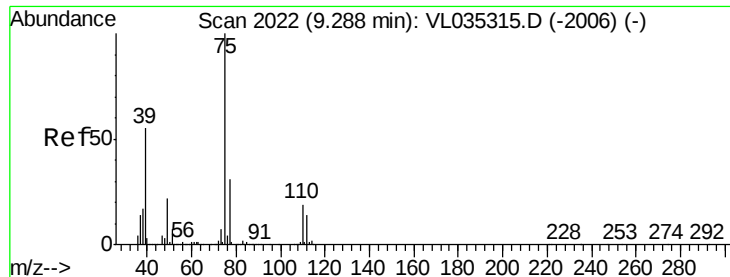
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#44
2,2,4-Trimethylpentane
Concen: 11.520 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion: 57 Resp: 4714611
Ion Ratio Lower Upper
57 100
41 33.4 27.0 40.4
56 31.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 14.357 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.02 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1455750

Ion Ratio Lower Upper

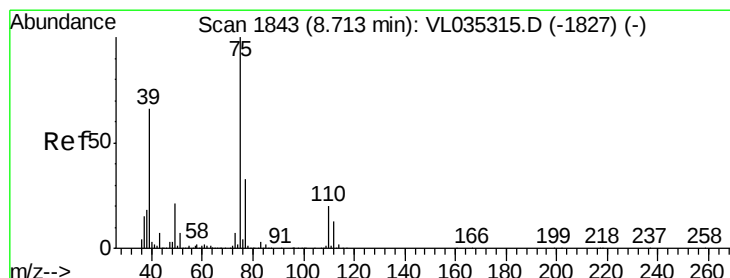
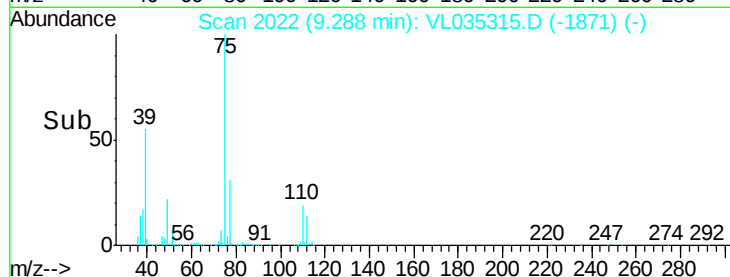
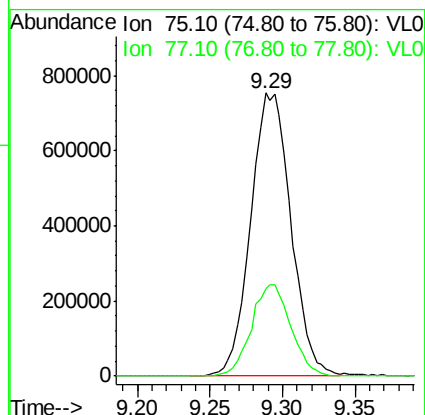
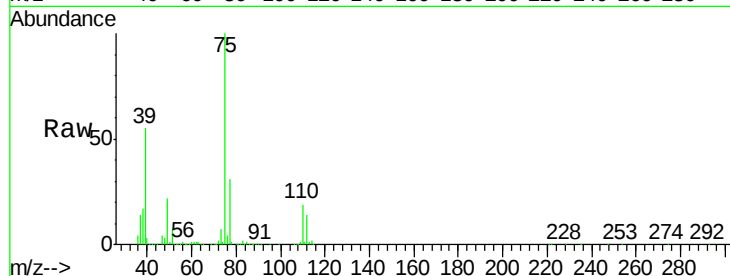
75 100

77 30.8 25.6 38.4

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#46

cis-1,3-Dichloropropene

Concen: 13.692 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

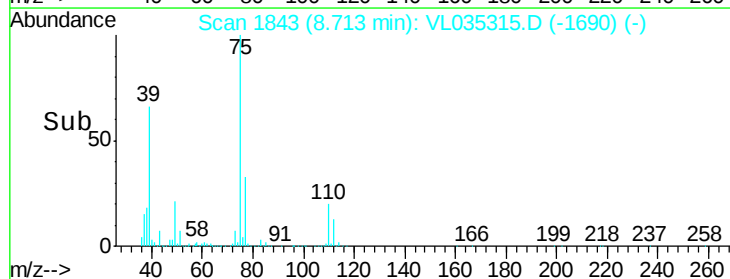
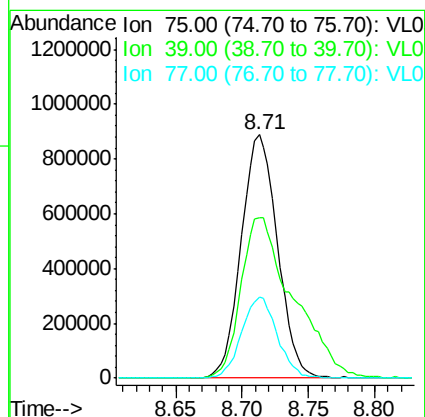
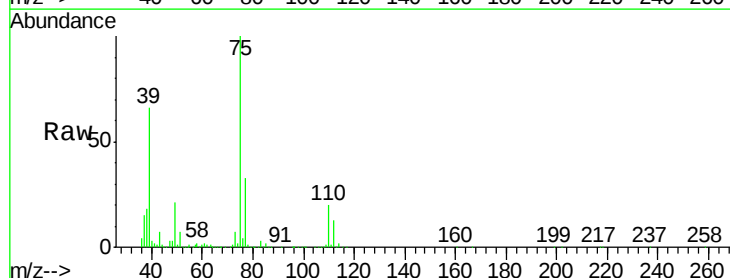
Tgt Ion: 75 Resp: 1691357

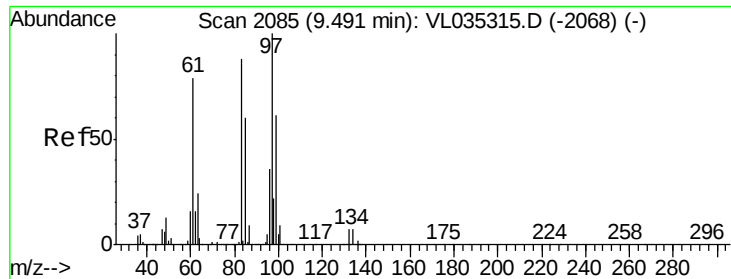
Ion Ratio Lower Upper

75 100

39 65.8 53.0 79.4

77 33.1 25.8 38.8





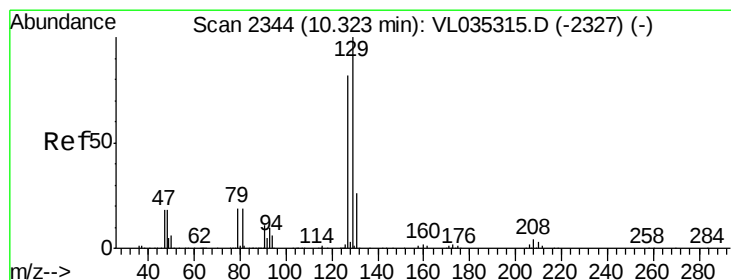
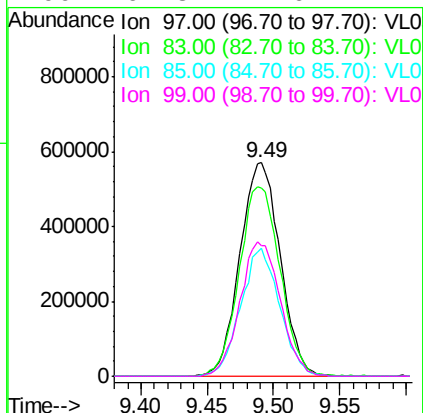
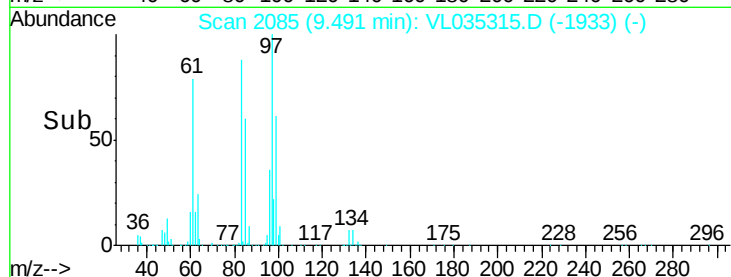
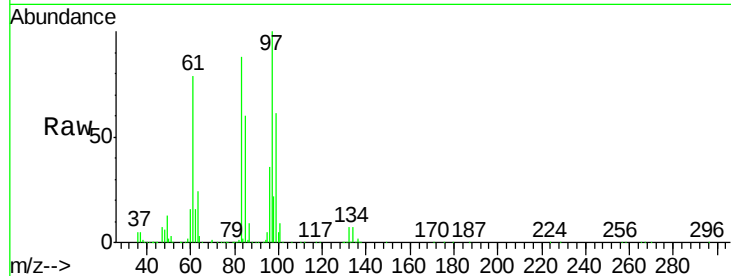
#47
 1,1,2-Trichloroethane
 Concen: 11.006 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.2	69.0	103.4	
85	59.8	47.8	71.8	
99	61.3	47.6	71.4	

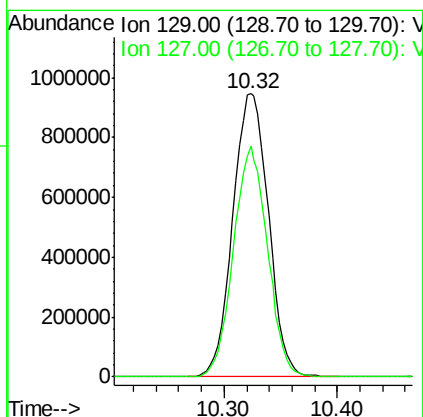
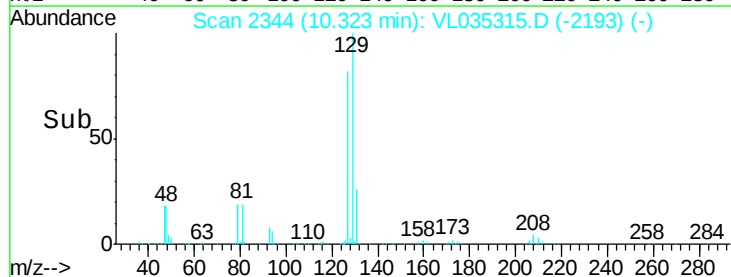
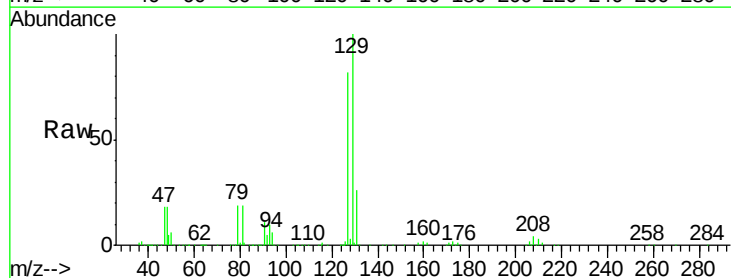
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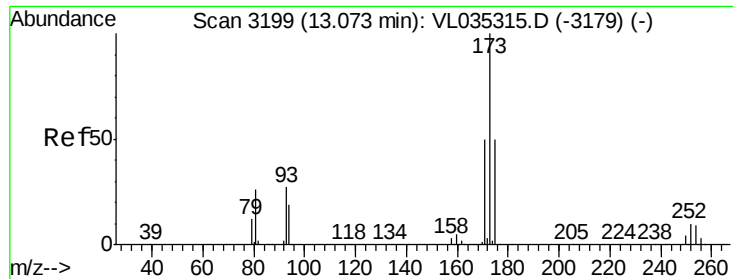
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#48
 Dibromochloromethane
 Concen: 12.027 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.02 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.0	39.6	119.0	





#49

Bromoform

Concen: 12.064 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion:173 Resp: 1869847

Ion Ratio Lower Upper

173 100

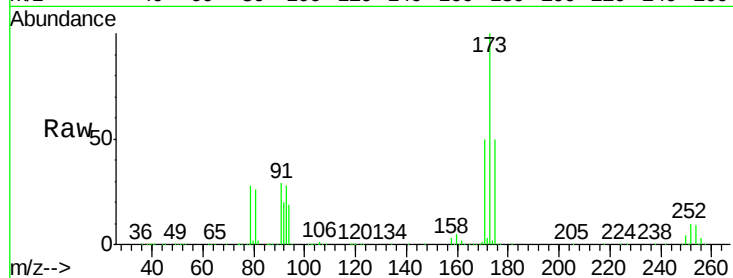
175 49.7 40.0 60.0

171 52.5 41.8 62.8

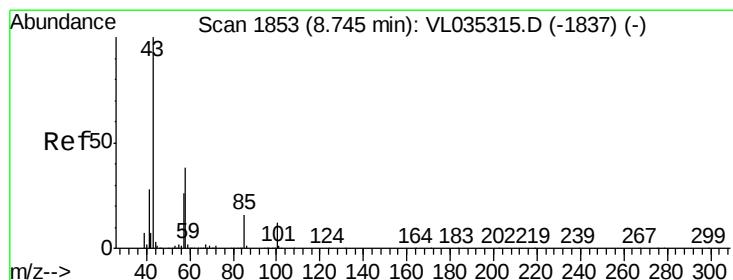
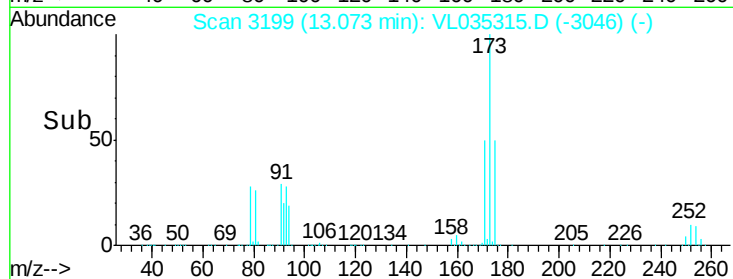
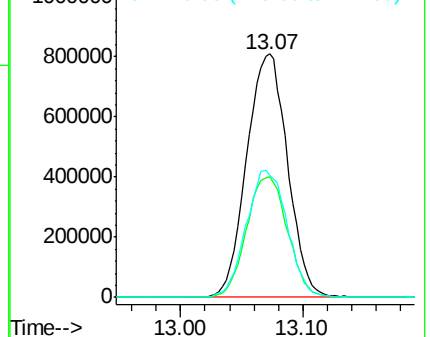
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.788 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035315.D

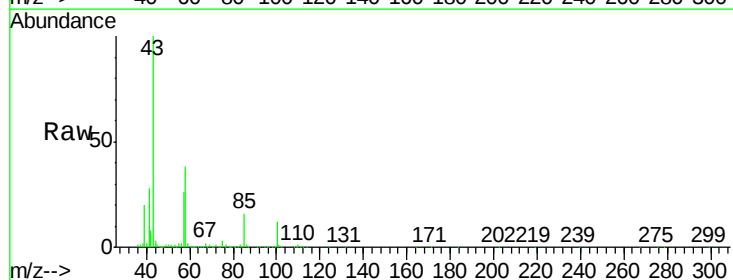
Acq: 3 Aug 2020 12:14

Tgt Ion: 43 Resp: 2904942

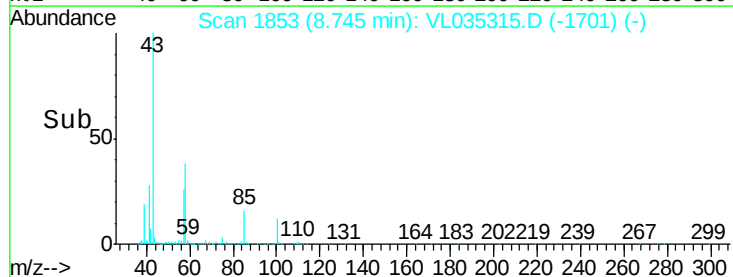
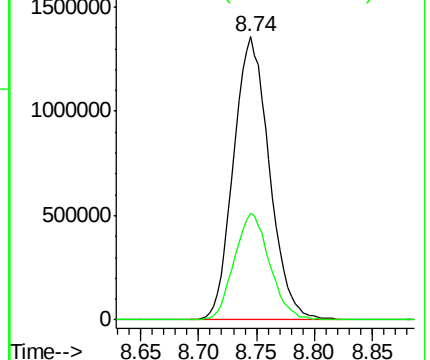
Ion Ratio Lower Upper

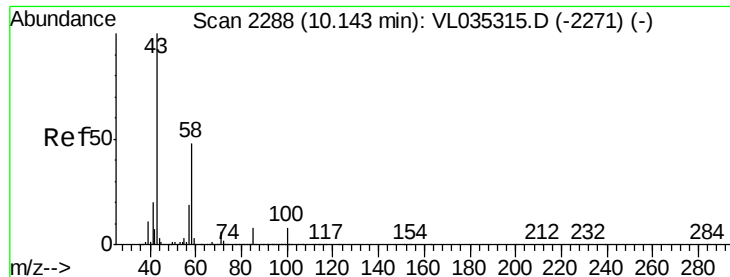
43 100

58 37.2 30.0 45.0



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





#51

2-Hexanone

Concen: 12.572 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2349478

Ion Ratio Lower Upper

43 100

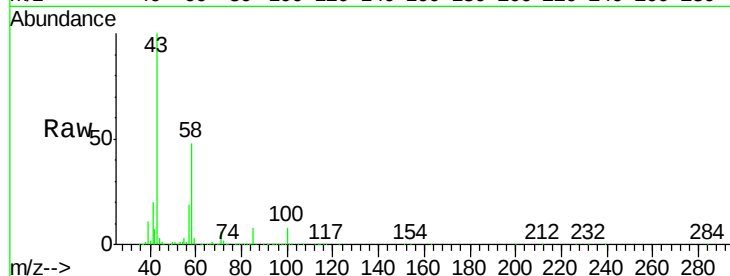
58 49.7 38.8 58.2

98 0.4 0.6 0.8#

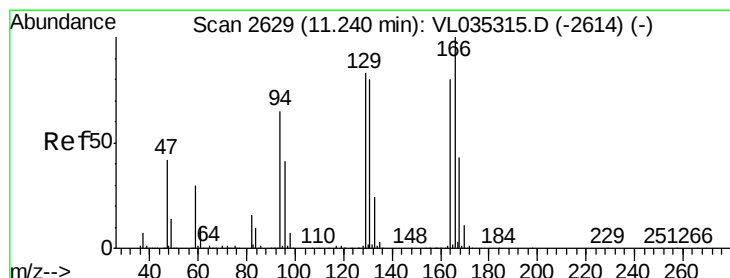
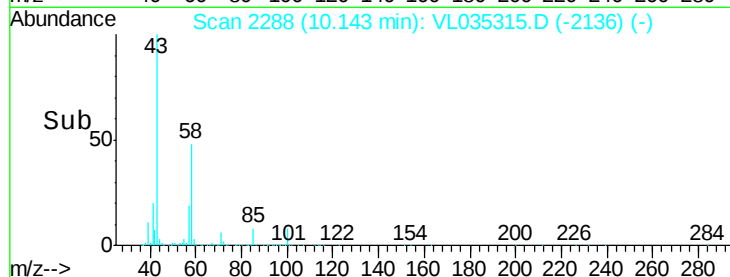
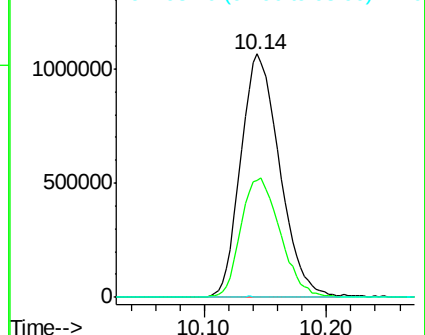
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 11.703 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.02 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Tgt Ion:164 Resp: 1037098

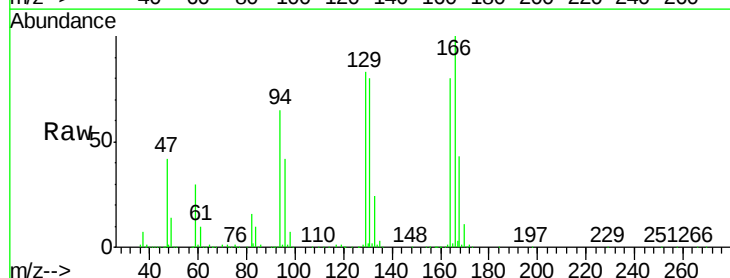
Ion Ratio Lower Upper

164 100

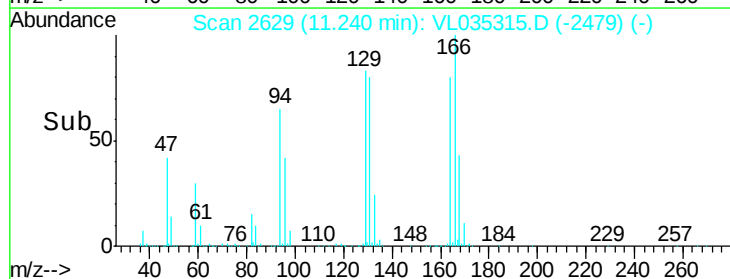
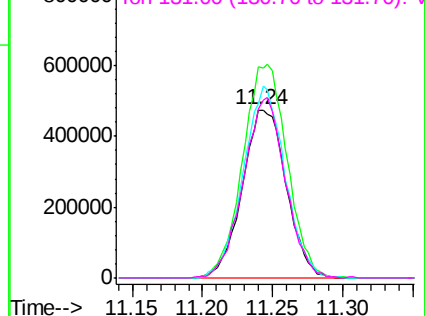
166 125.2 107.5 161.3

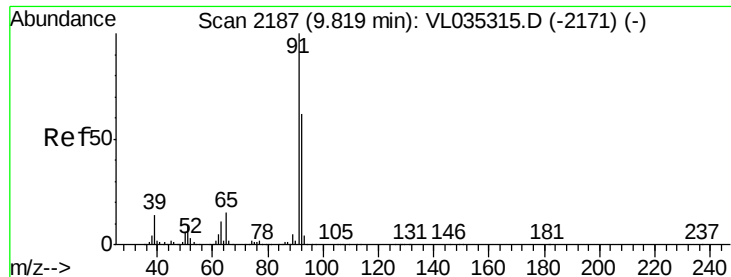
129 103.4 86.0 129.0

131 100.3 80.3 120.5



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: 13.120 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3238685

Ion Ratio Lower Upper

91 100

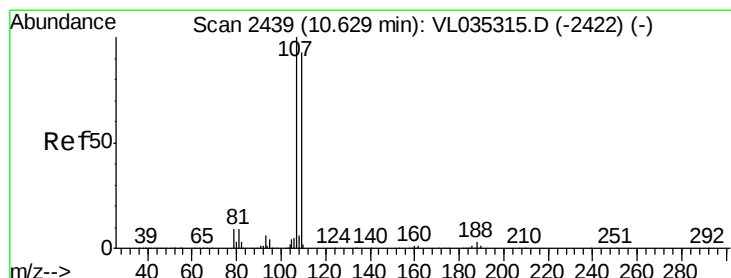
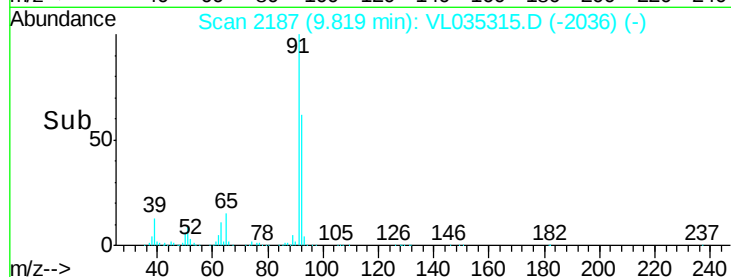
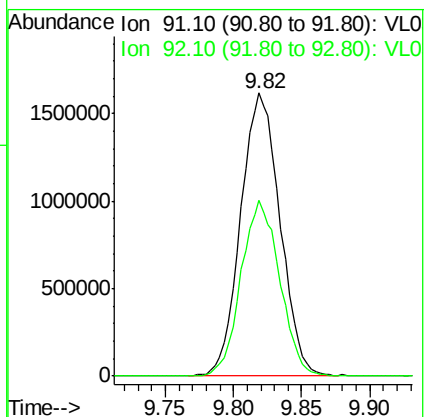
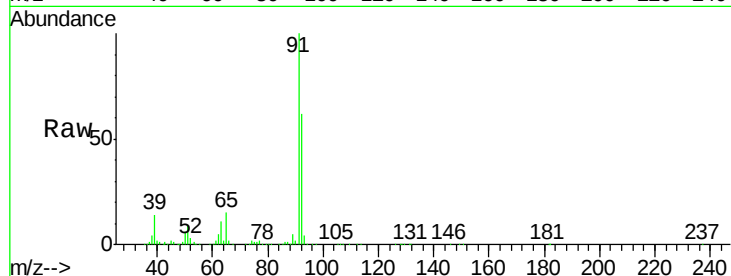
92 60.9 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 11.534 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035315.D

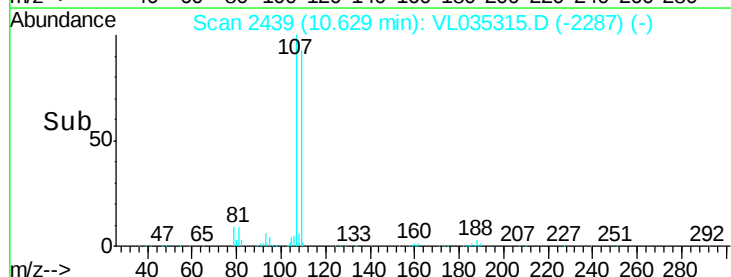
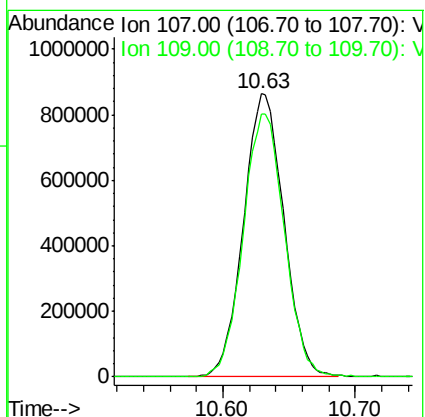
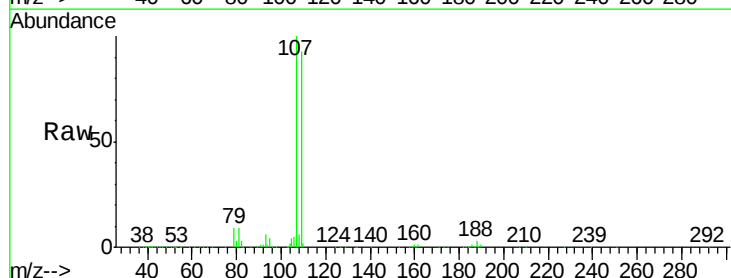
Acq: 3 Aug 2020 12:14

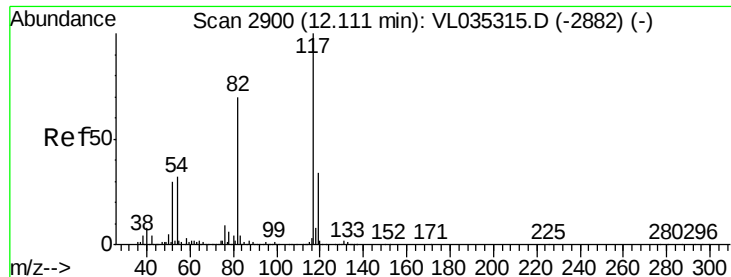
Tgt Ion: 107 Resp: 1825547

Ion Ratio Lower Upper

107 100

109 93.0 73.0 109.6





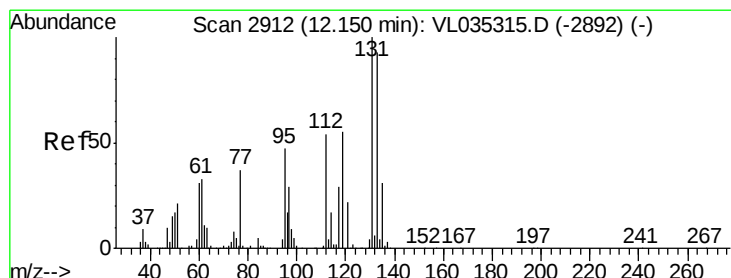
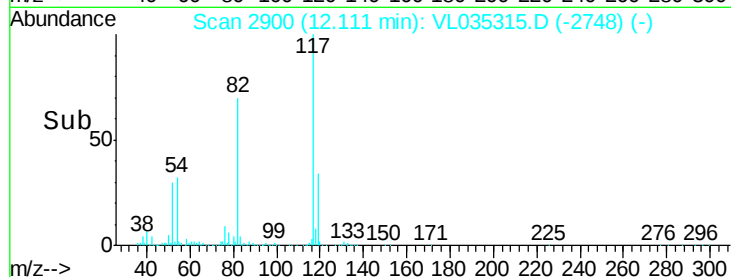
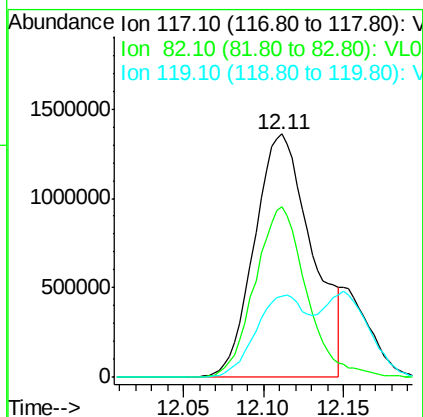
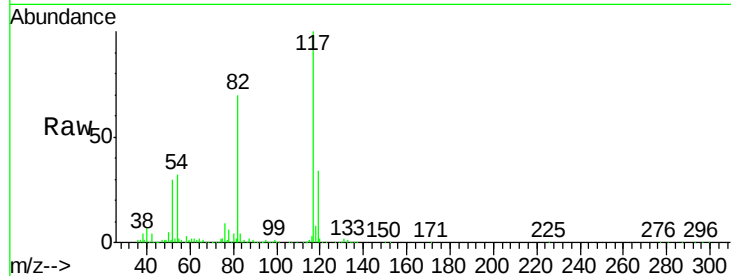
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	52.4	78.6
119	30.1	24.6	36.8

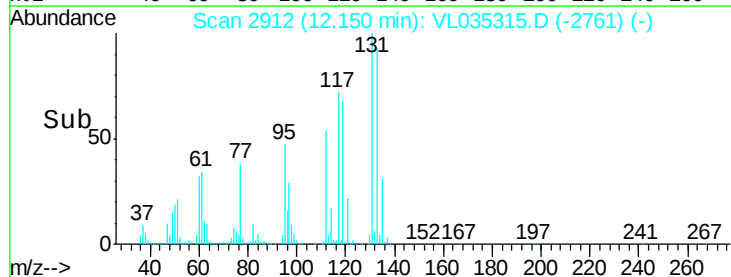
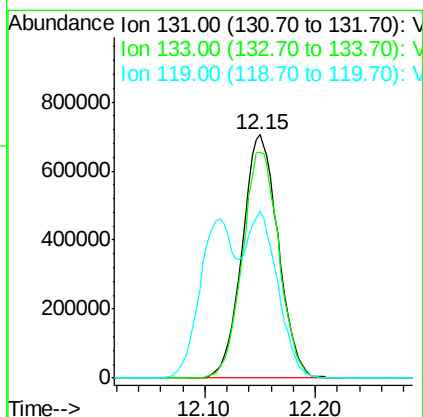
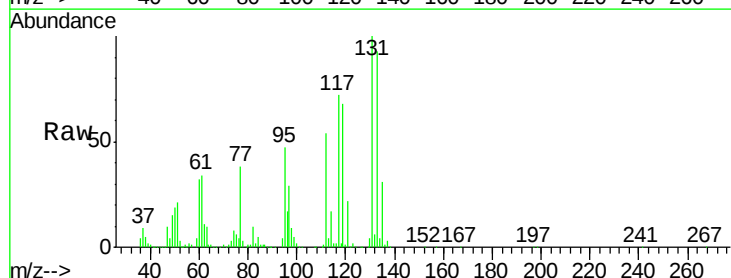
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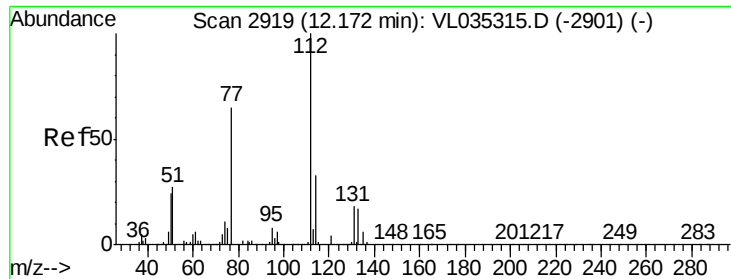
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.237 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.1	114.1
119	66.4	44.3	66.5





#57

Chlorobenzene

Concen: 10.122 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 2571219

Ion Ratio Lower Upper

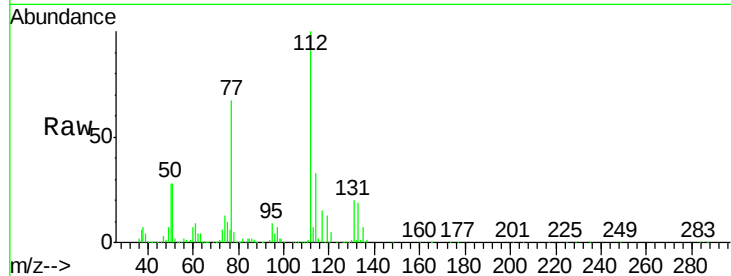
112 100

77 66.3 57.3 85.9

114 33.3 29.3 35.8

Manual Integrations
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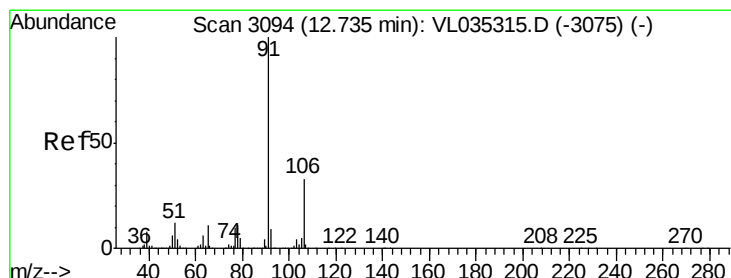
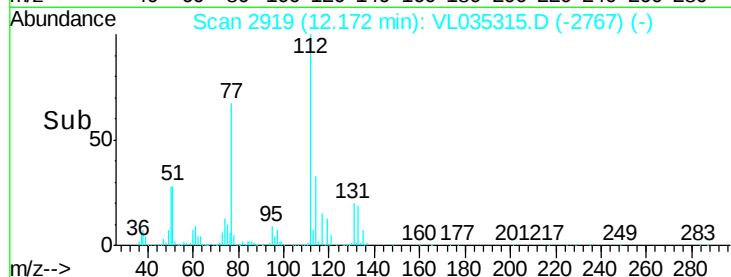
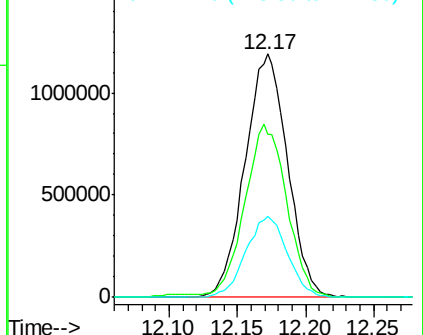
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.210 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL035315.D

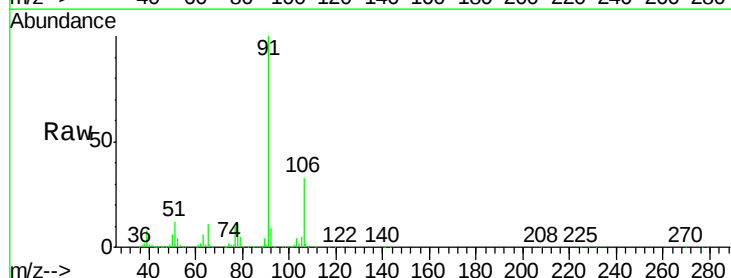
Acq: 3 Aug 2020 12:14

Tgt Ion: 91 Resp: 4365704

Ion Ratio Lower Upper

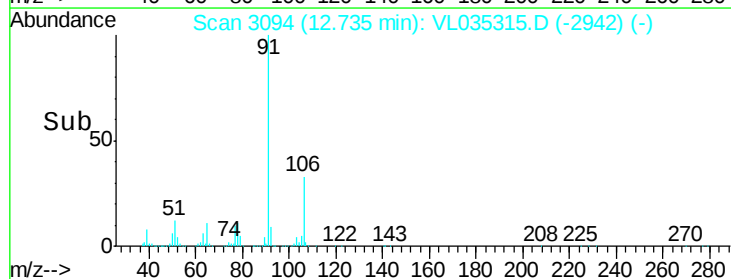
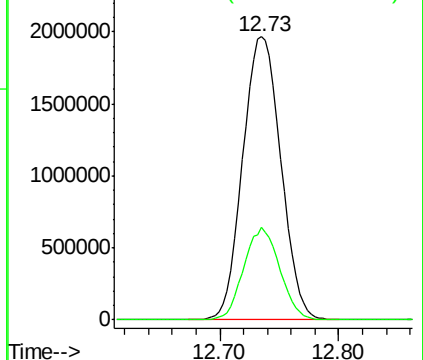
91 100

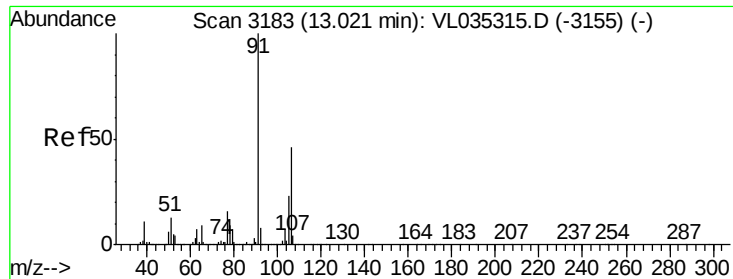
106 32.9 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





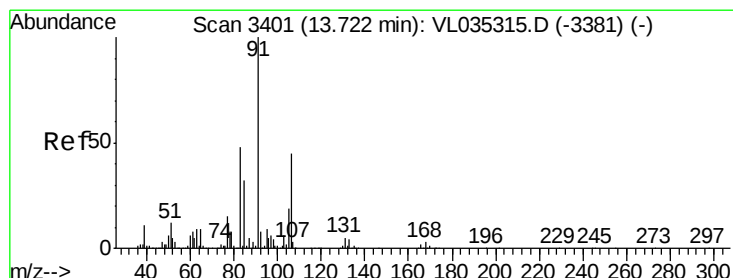
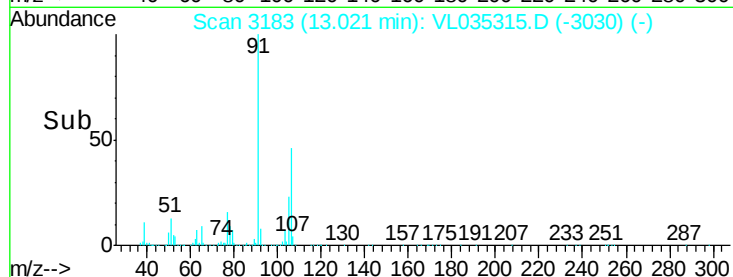
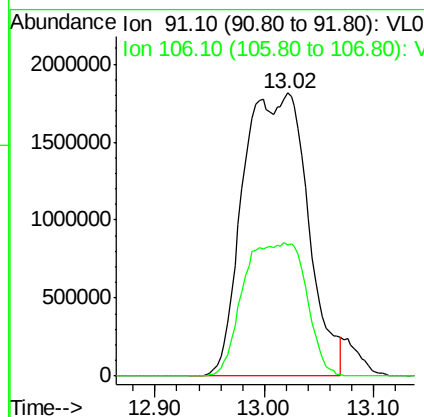
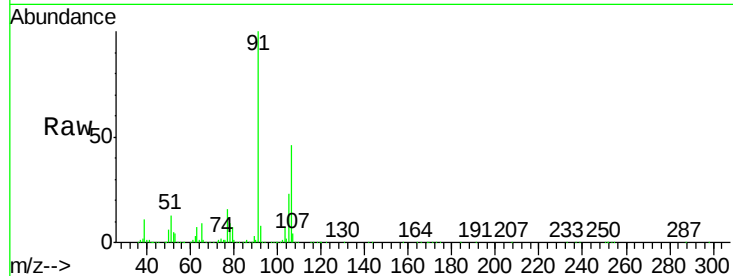
#59
m/p-Xylene
Concen: 22.298 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 7422179
Ion Ratio Lower Upper
91 100
106 45.8 37.2 55.8

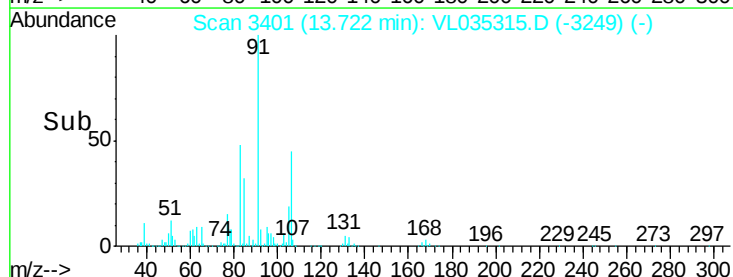
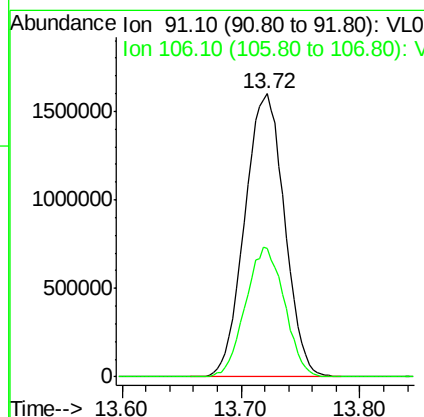
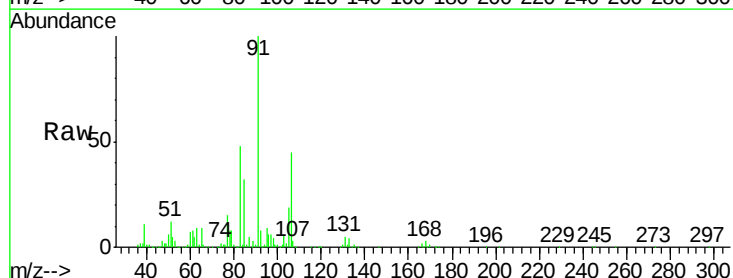
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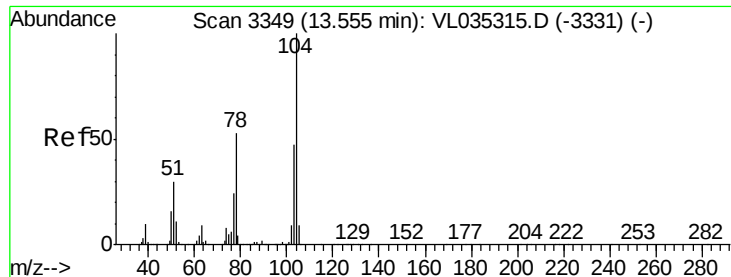
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#60
o-Xylene
Concen: 11.130 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion: 91 Resp: 3696299
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.0





#61

Stvrene

Concen: 13.145 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.02 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

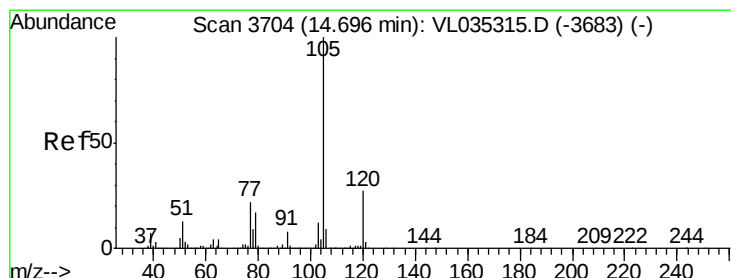
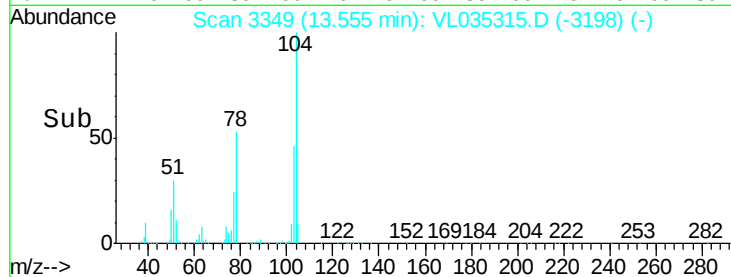
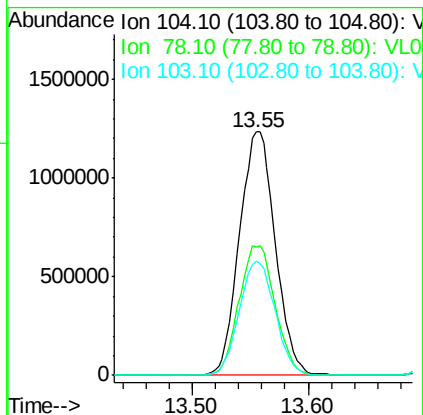
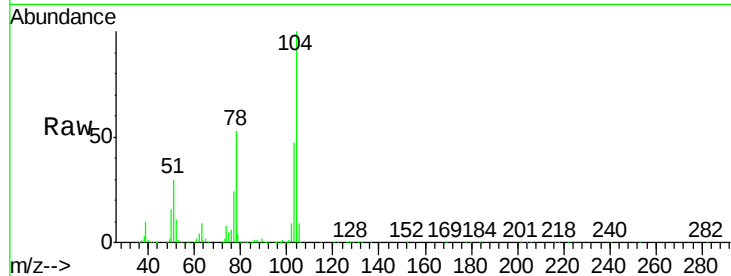
ClientSampleId :

VSTDICCC010

Tot Ion:	104	Resp:	2649800
Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.3	64.9
103	47.0	38.2	57.2

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#62

Isopropylbenzene

Concen: 10.968 ppbv

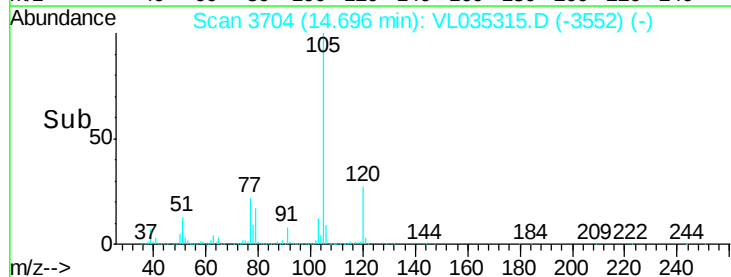
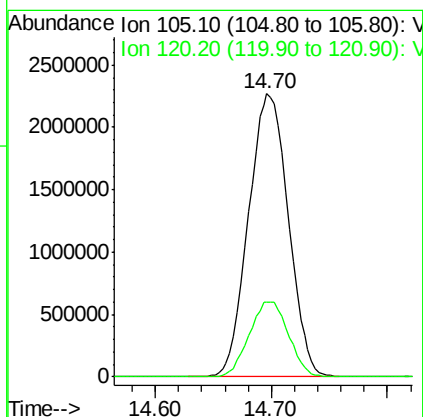
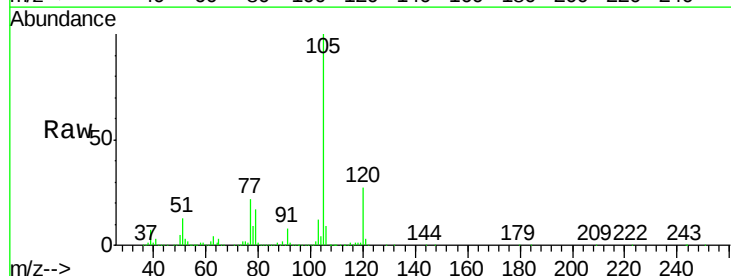
RT: 14.70 min Scan# 3704

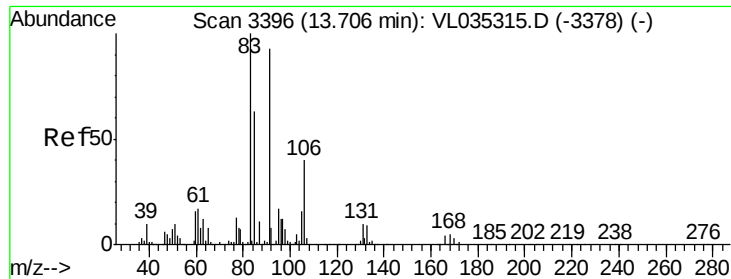
Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Tgt Ion:	105	Resp:	5421466
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.8	31.2





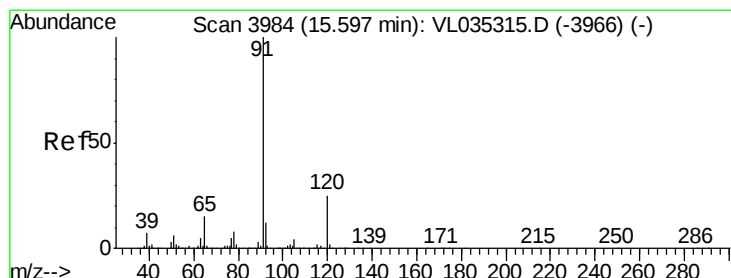
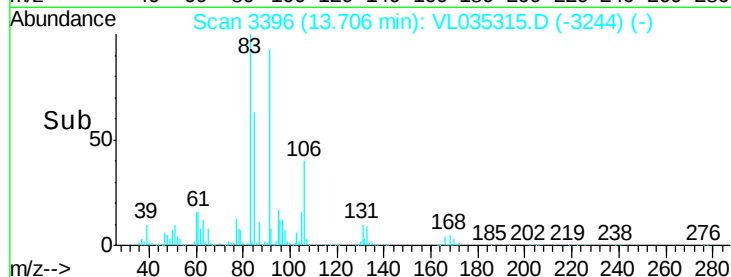
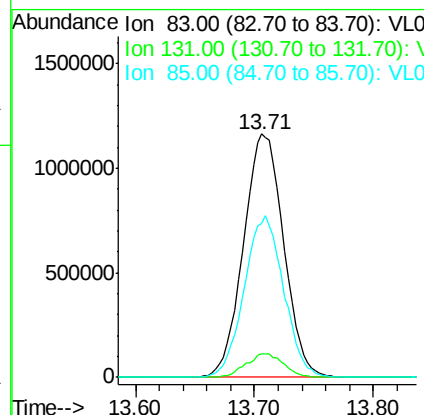
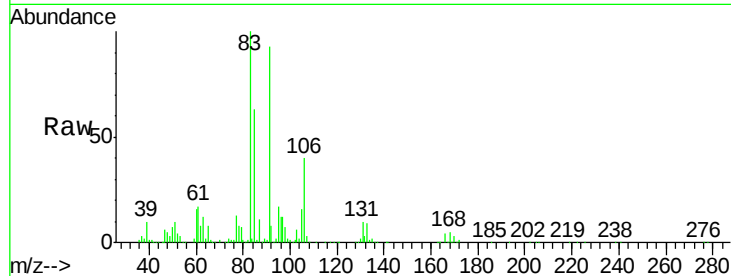
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.535 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	65.1	32.7	98.1

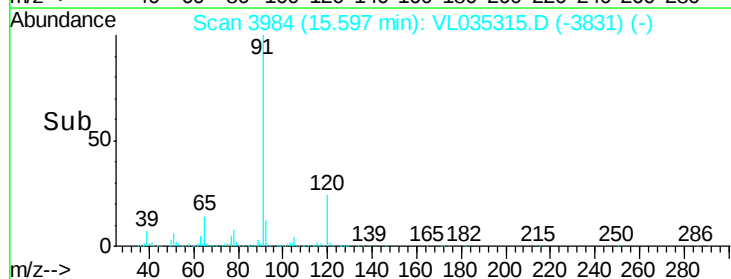
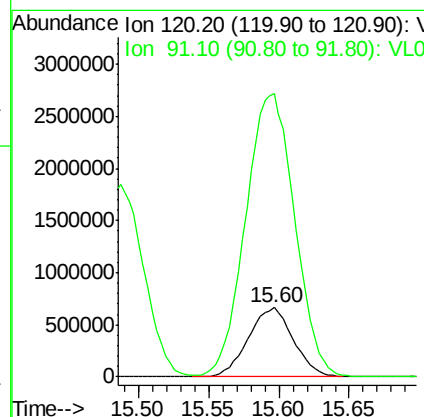
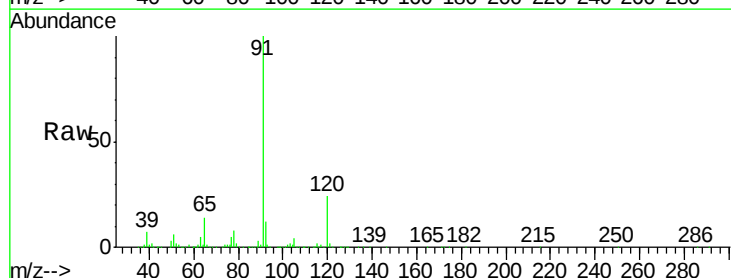
Manual Integrations
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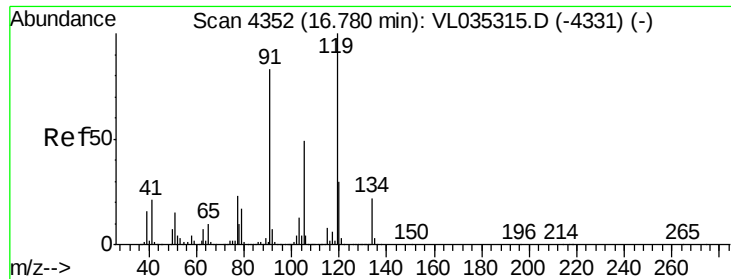
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#64
 n-propylbenzene
 Concen: 11.230 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
120	100		
91	449.1	367.5	551.3





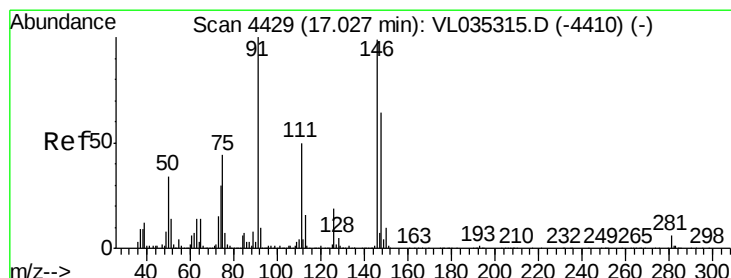
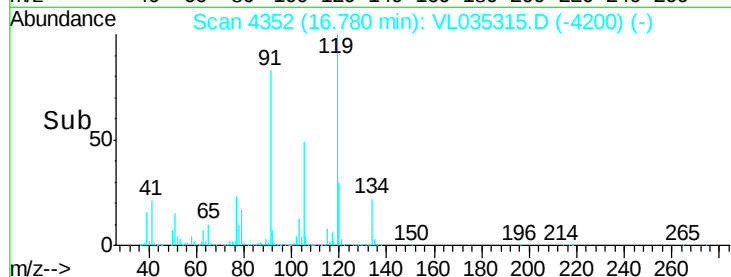
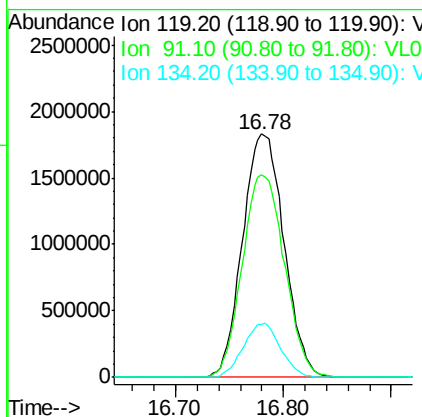
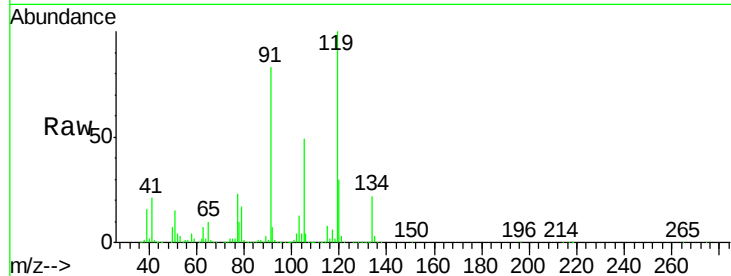
#65
tert-Butylbenzene
Concen: 10.904 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.8	68.0	102.0
134	20.1	16.3	24.5

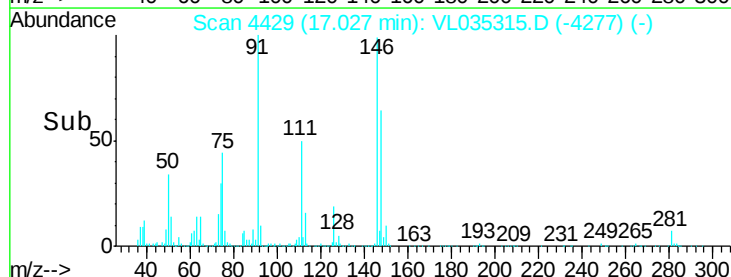
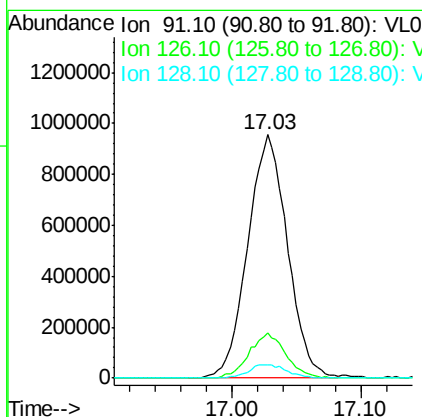
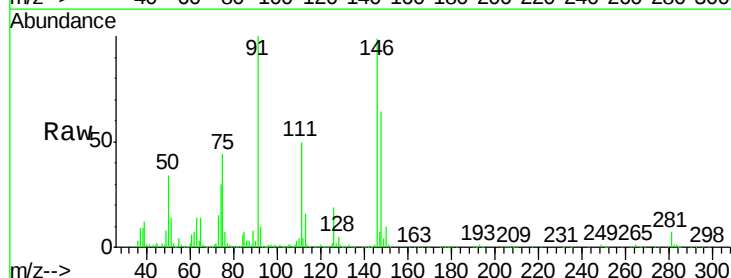
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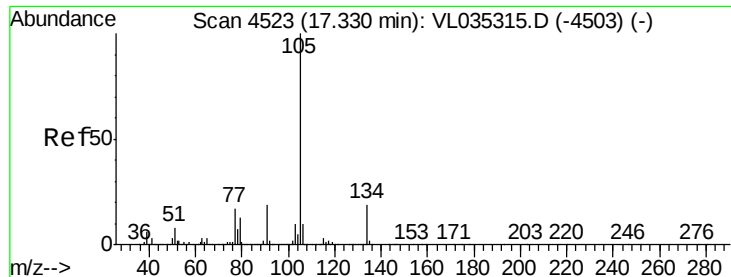
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#66
Benzyl Chloride
Concen: 11.677 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035315.D
Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.1	21.1
128	5.3	4.4	6.6





#67

sec-Butylbenzene

Concen: 10.416 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 6814888

Ion Ratio Lower Upper

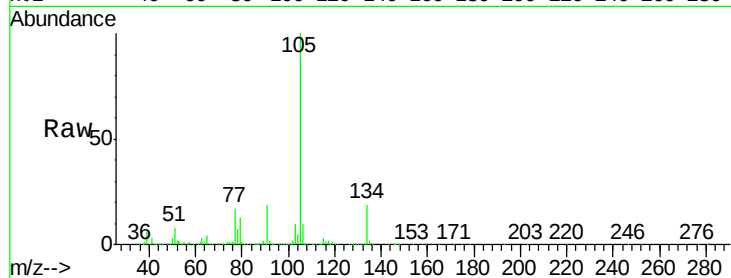
105 100

134 18.9 15.0 22.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

3000000

2500000

2000000

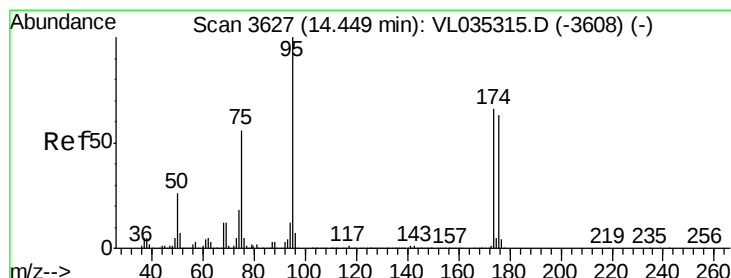
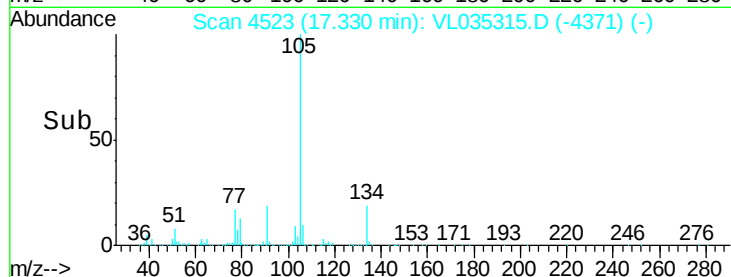
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.807 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

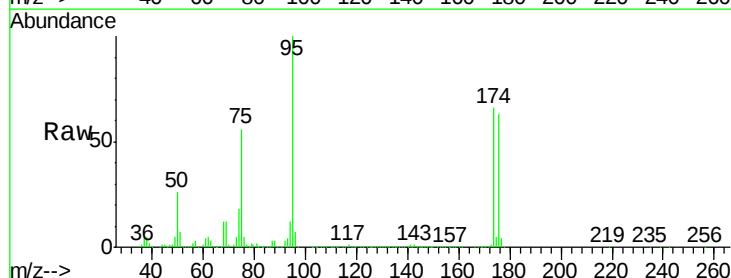
Tgt Ion: 95 Resp: 2645563

Ion Ratio Lower Upper

95 100

174 65.6 52.7 79.1

175 4.9 3.9 5.9



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

14.45

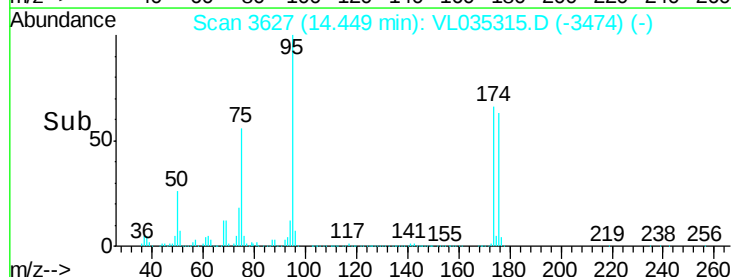
1500000

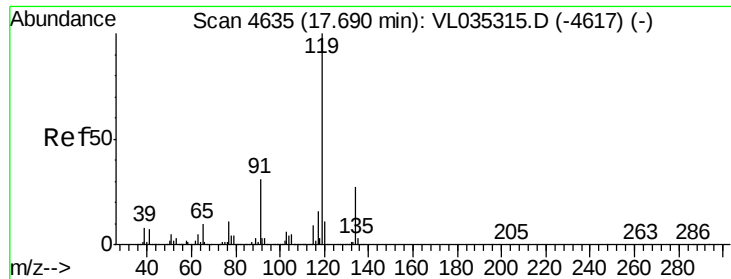
1000000

500000

0

Time--> 14.40 14.50





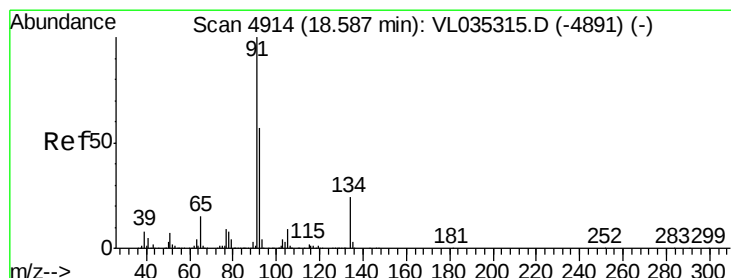
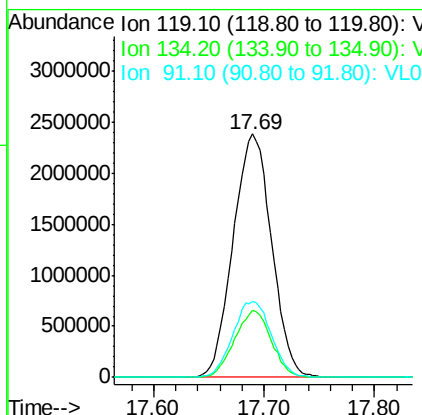
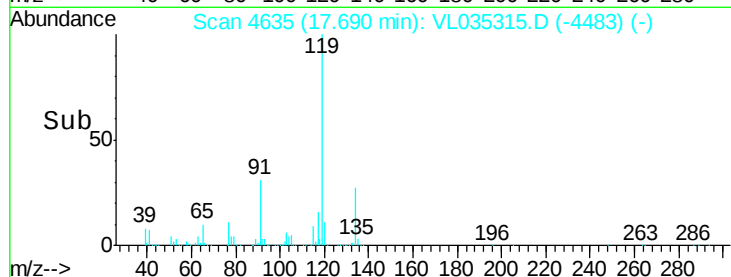
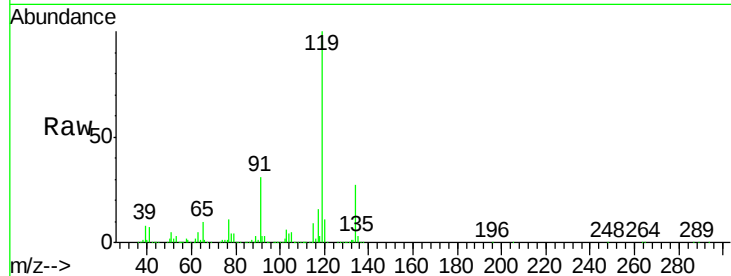
#69
 p-Isopropyltoluene
 Concen: 10.743 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.8	31.2
91	31.6	24.7	37.1

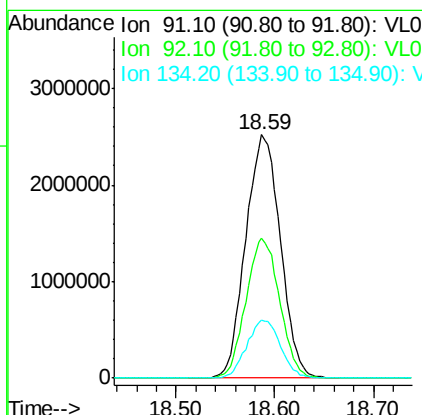
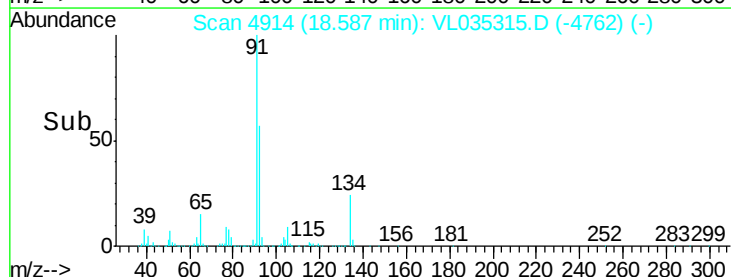
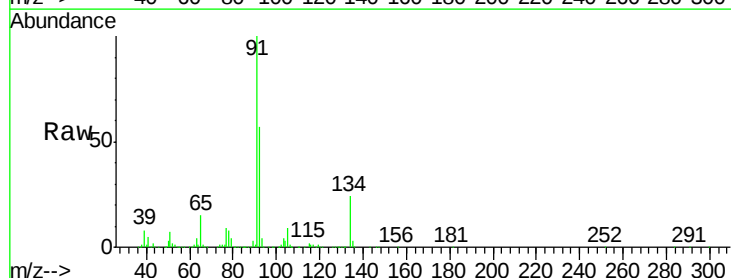
Manual Integrations
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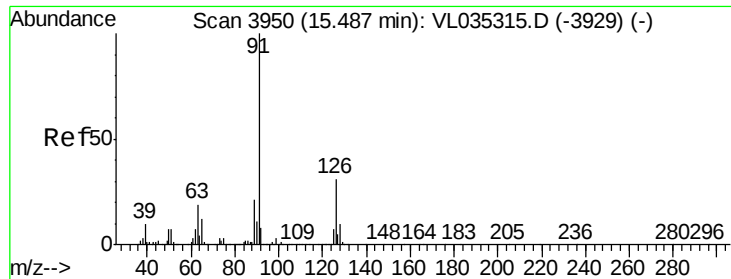
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#70
 n-Butylbenzene
 Concen: 10.587 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.2	18.6	28.0





#71

2-Chlorotoluene

Concen: 11.443 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4265250

Ion Ratio Lower Upper

91 100

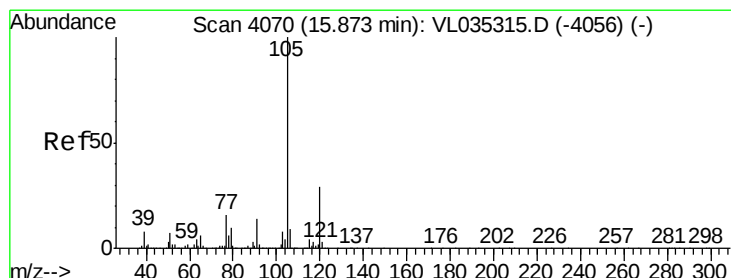
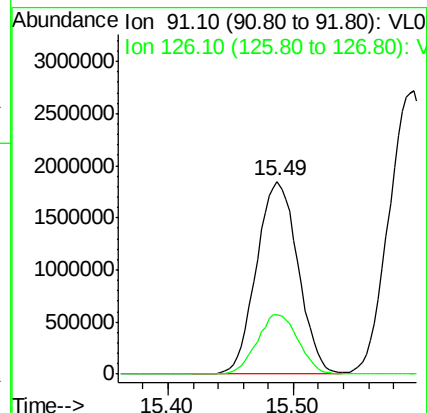
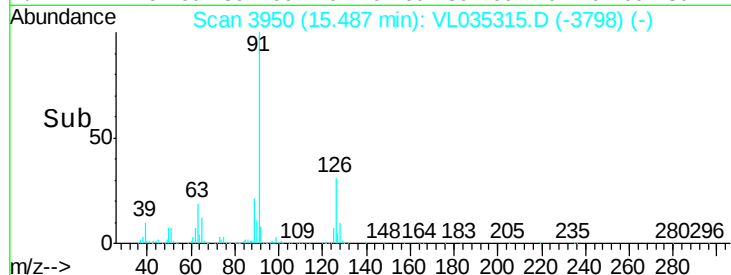
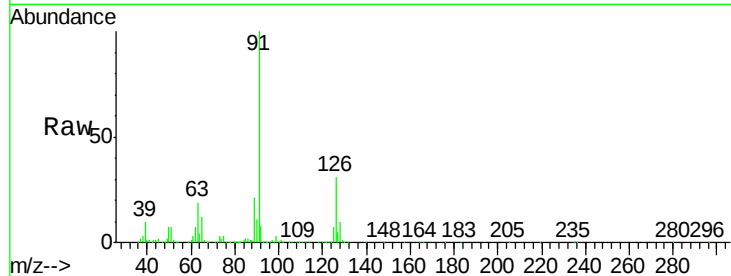
126 30.8 12.3 49.1

Manual Integrations

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#72

4-Ethyltoluene

Concen: 11.689 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Tgt Ion: 105 Resp: 4369179

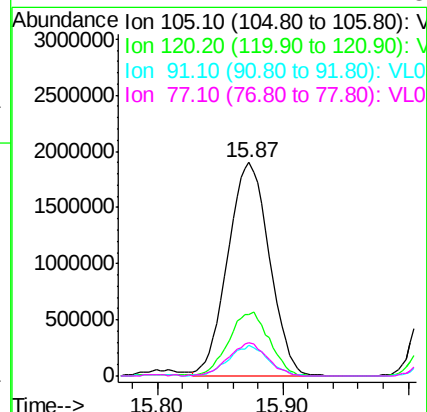
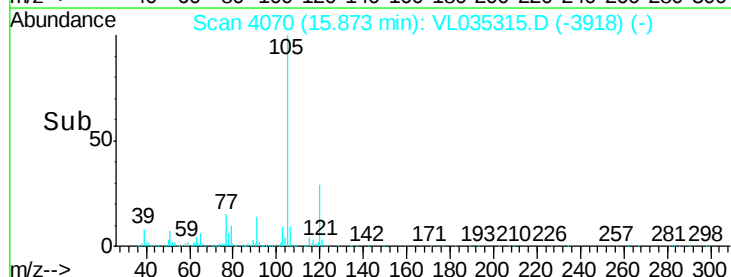
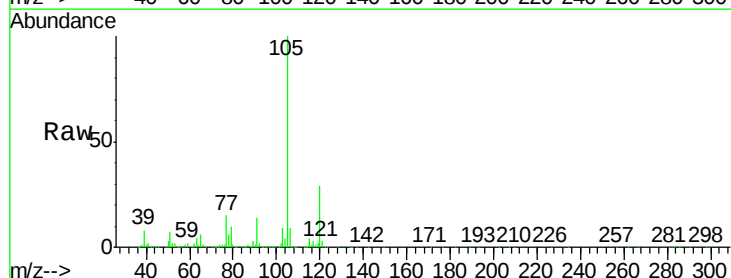
Ion Ratio Lower Upper

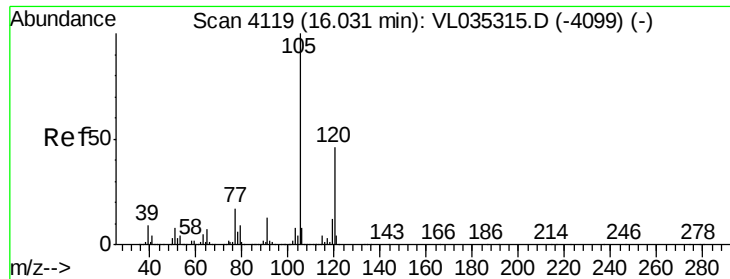
105 100

120 29.5 23.6 35.4

91 14.1 11.0 16.6

77 14.7 11.7 17.5





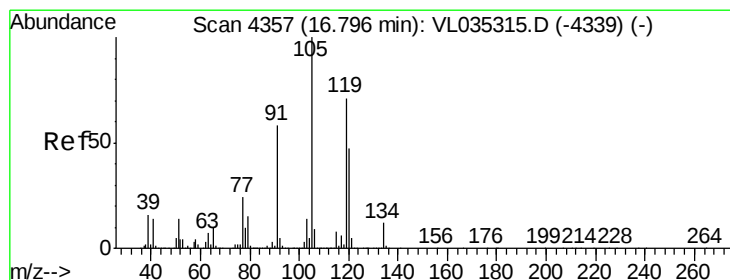
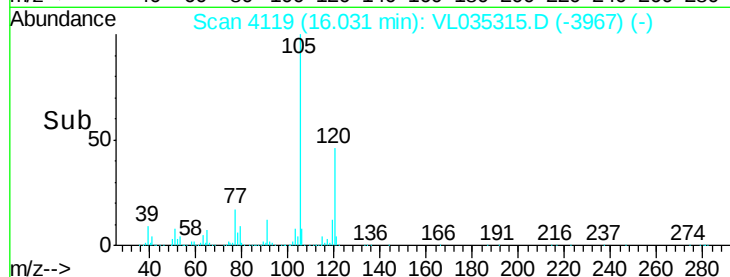
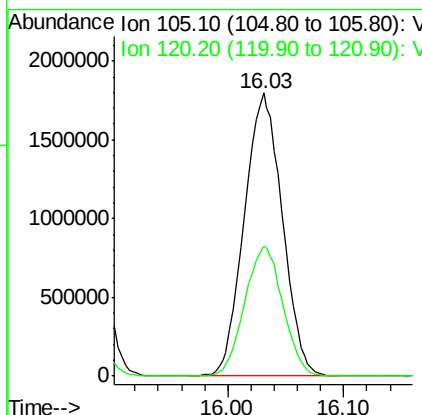
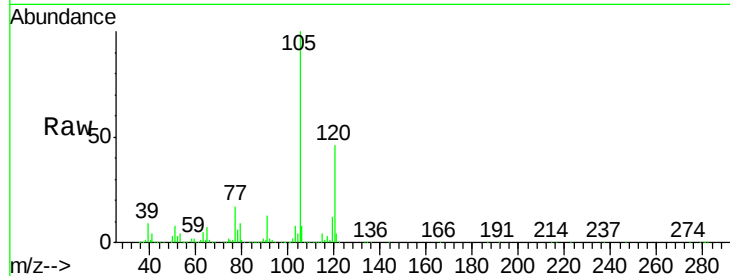
#73
 1,3,5-Trimethylbenzene
 Concen: 11.232 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 4094554
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.8 55.2

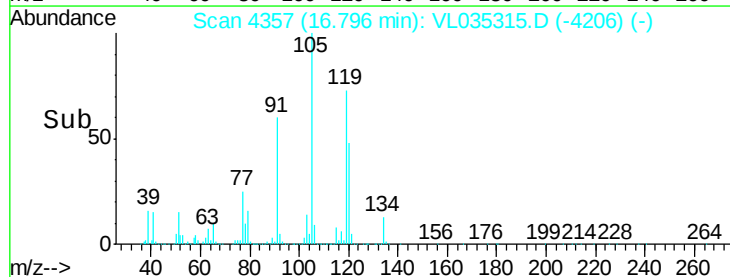
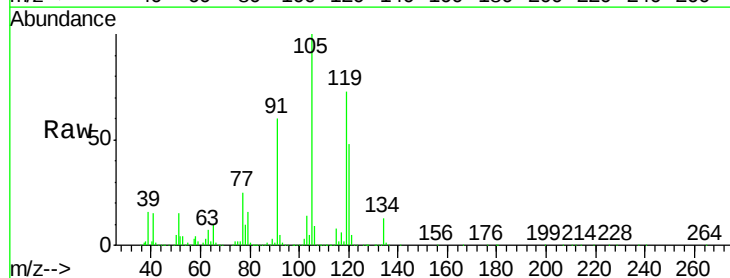
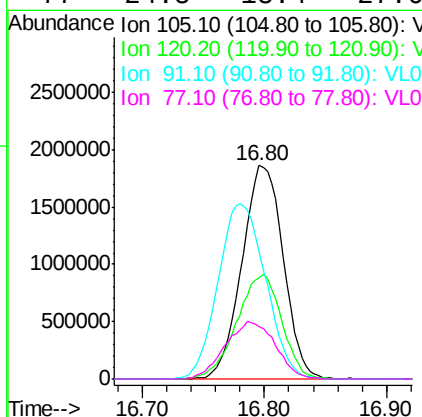
Manual Integrations
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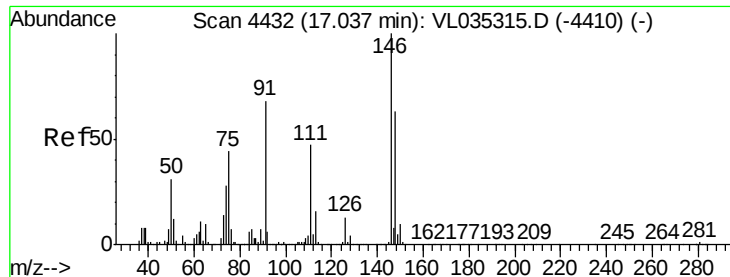
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.273 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.02 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion:105 Resp: 4359494
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.8 58.2
 91 59.9 38.9 58.3#
 77 24.5 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 9.390 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

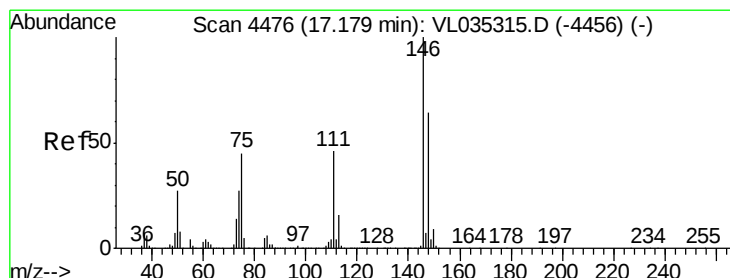
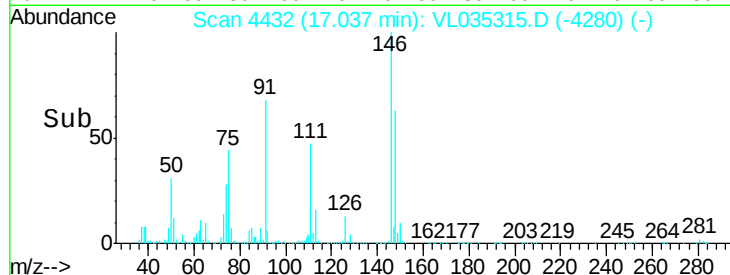
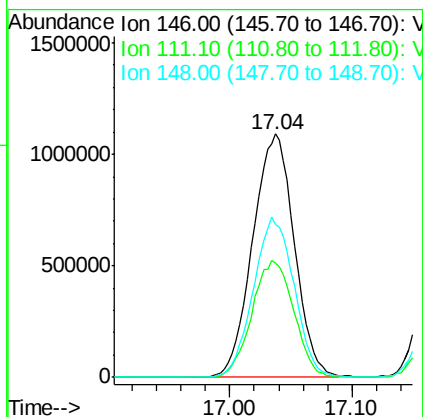
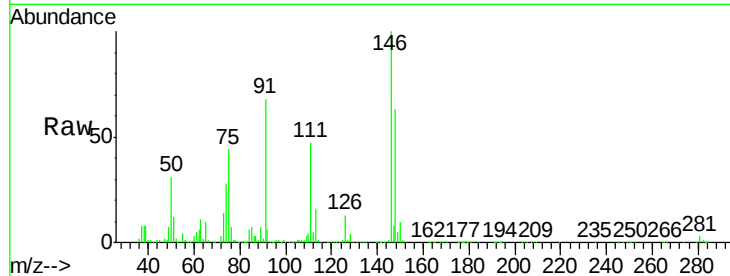
ClientSampled :

VSTDICCC010

Tot Ion:	146	Resp:	2572981
Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.4	73.4
148	64.7	32.1	96.5

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#76

1,4-Dichlorobenzene

Concen: 10.304 ppbv

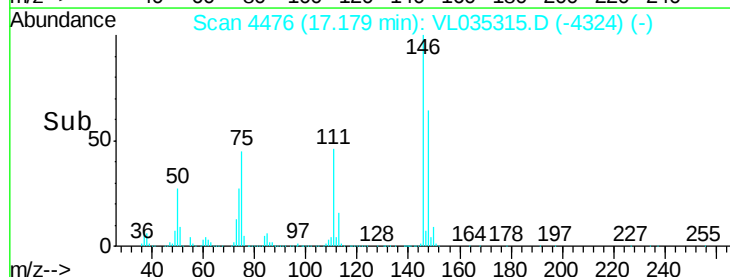
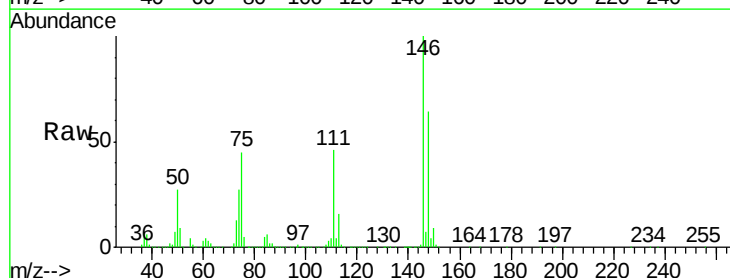
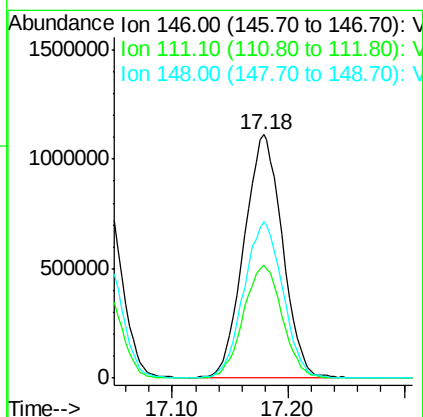
RT: 17.18 min Scan# 4476

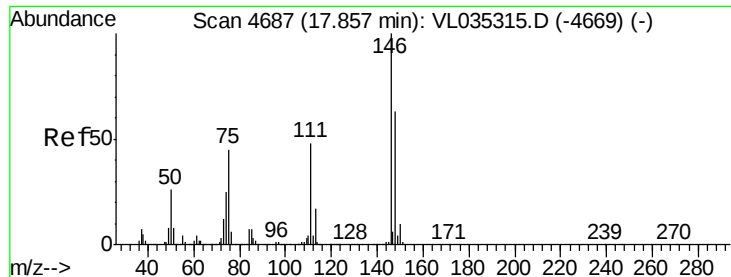
Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Tgt Ion:	146	Resp:	2553859
Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.2
148	65.6	32.2	96.6





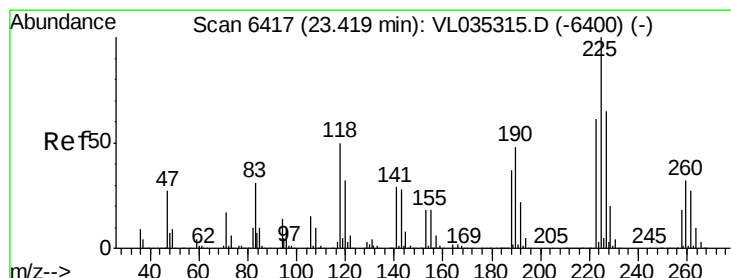
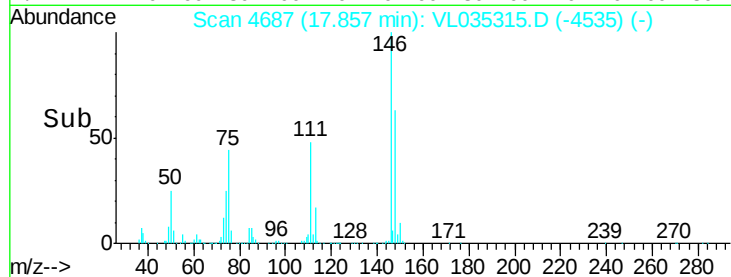
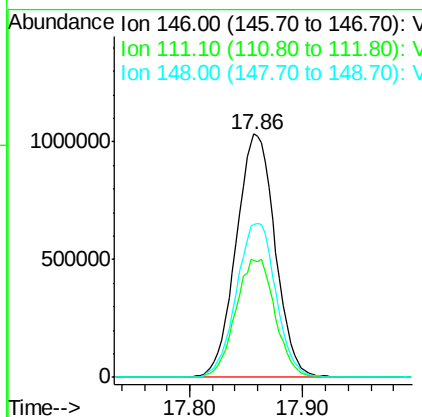
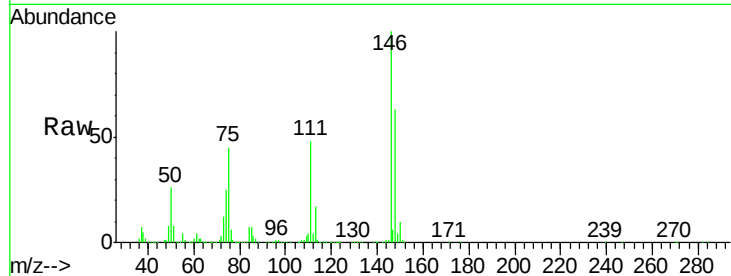
#77
 1,2-Dichlorobenzene
 Concen: 10.051 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.6	73.8
148	64.5	32.0	96.0

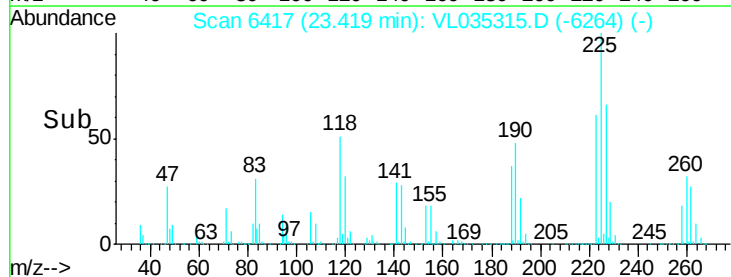
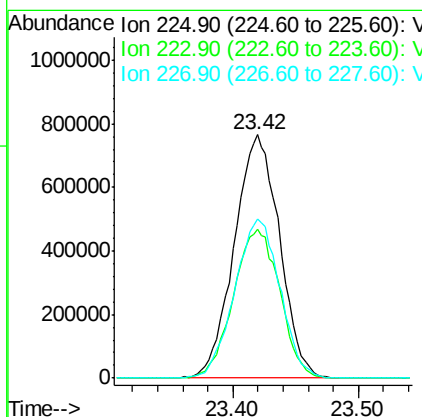
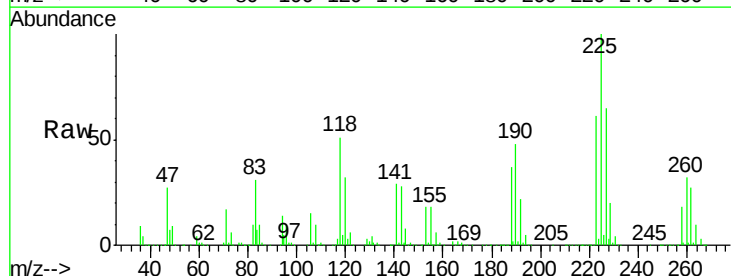
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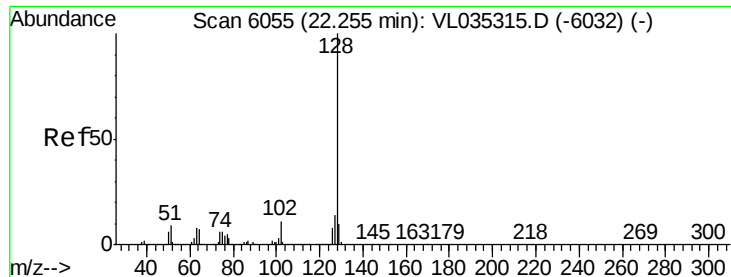
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.497 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.01 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.3	76.9
227	65.9	51.4	77.2





#79

Naphthalene

Concen: 11.403 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.02 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 3847996

Ion Ratio Lower Upper

128 100

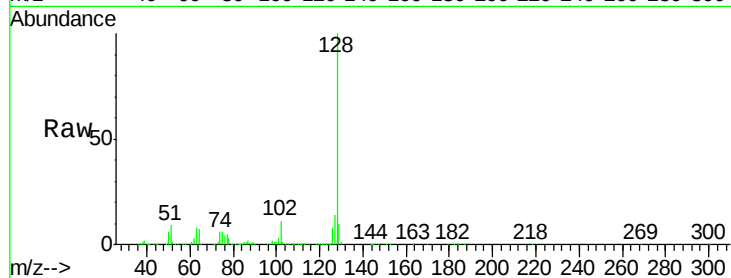
127 13.5 10.4 15.6

129 10.5 8.5 12.7

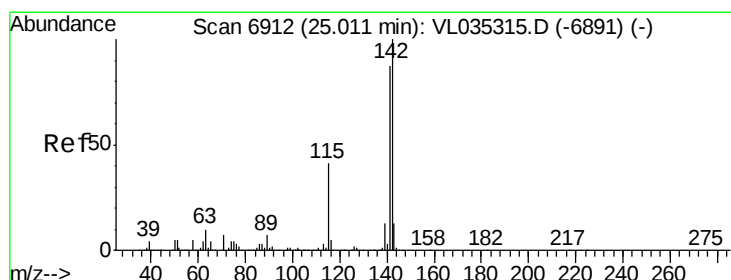
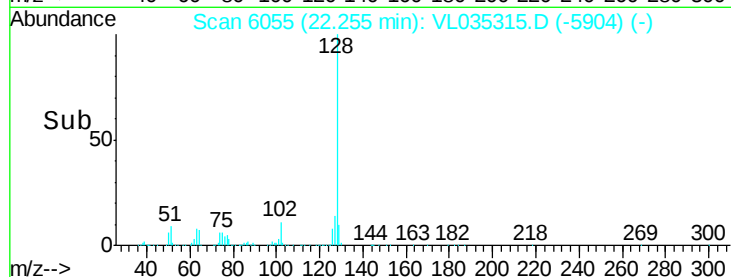
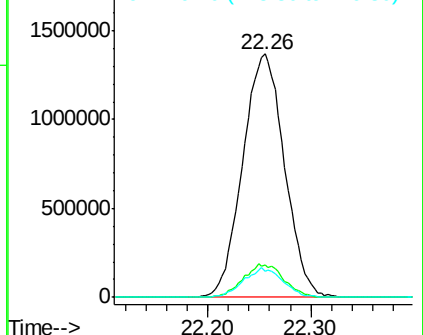
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.526 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.01 min

Lab File: VL035315.D

Acq: 3 Aug 2020 12:14

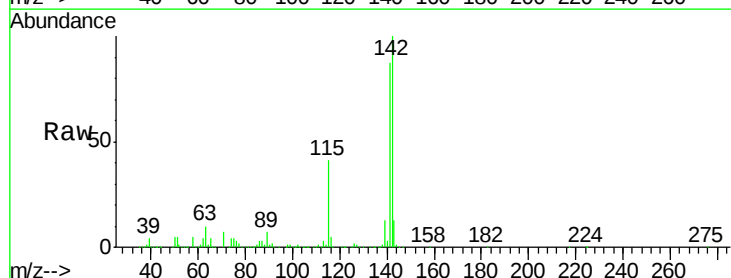
Tgt Ion:142 Resp: 1368029

Ion Ratio Lower Upper

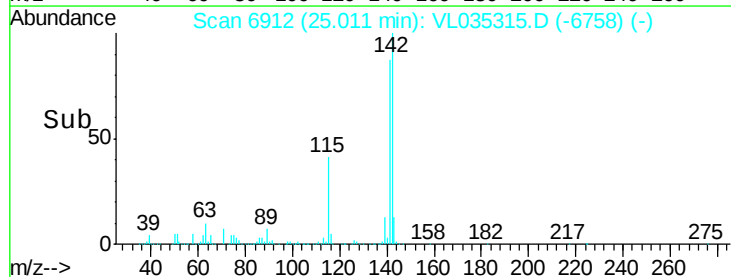
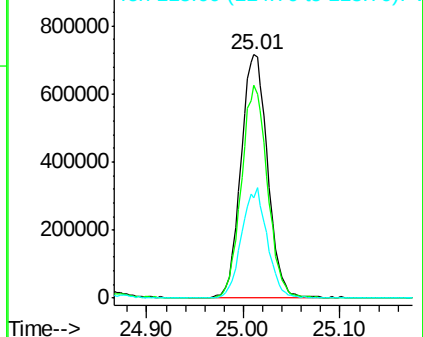
142 100

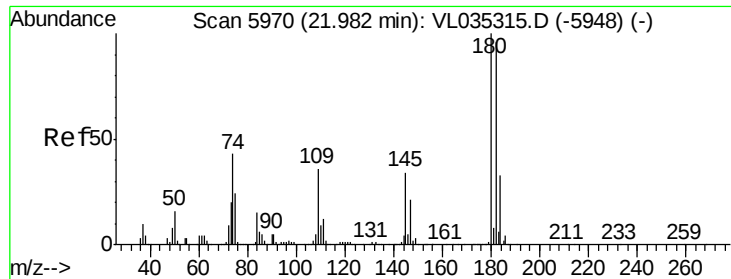
141 85.4 68.6 103.0

115 43.7 34.5 51.7



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





#81
 1,2,4-Trichlorobenzene
 Concen: 10.686 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.02 min
 Lab File: VL035315.D
 Acq: 3 Aug 2020 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	31.3	24.7	37.1

Manual Integrations
 APPROVED

apatel
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