

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035505.D
 Acq On : 27 Aug 2020 2:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:21 PM

Quant Time: Aug 27 05:40:27 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1083682	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4765920	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5123509	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3535637	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1609667	8.122	ppbv 100
3) Chlorodifluoromethane	2.99	51	1144535	9.354	ppbv 100
4) Chloromethane	3.14	50	625867	9.827	ppbv 100
5) Vinyl Chloride	3.26	62	731167	9.766	ppbv 100
6) Bromomethane	3.48	94	651056	9.483	ppbv 100
7) Chloroethane	3.56	64	273883	9.577	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2117227	8.999	ppbv 100
9) Propene	3.01	41	443743	9.323	ppbv 100
10) Heptane	8.14	43	1236313	9.754	ppbv 100
11) Trichlorofluoromethane	3.96	101	2560893	8.957	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1965308	9.210	ppbv 100
13) Ethanol	3.61	45	104885	7.855	ppbv 100
14) Bromoethene	3.75	108	886302	9.547	ppbv 100
15) Acetone	3.85	43	1071952	9.222	ppbv 100
16) 1,3-Butadiene	3.33	39	443667	9.611	ppbv 100
17) tert-Butyl alcohol	4.30	59	1473076	9.958	ppbv 100
18) 1,1-Dichloroethene	4.29	96	904570	9.576	ppbv 100
19) Isopropyl Alcohol	3.98	45	732931	9.757	ppbv 99
20) Methylene Chloride	4.35	84	716852	5.785	ppbv 100
21) Allyl Chloride	4.42	41	595927	10.169	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	948234	9.504	ppbv 100
23) Vinyl Acetate	5.09	43	1583203	10.350	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1518185	9.459	ppbv 100
25) Ethyl Acetate	5.69	43	1998587	9.078	ppbv 100
26) Hexane	5.70	57	1132311	8.457	ppbv 100
27) Carbon Disulfide	4.56	76	1893632	10.643	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2121659	9.768	ppbv 100
29) Chloroform	5.77	83	2343427	9.233	ppbv 100
30) Cyclohexane	7.15	84	1333301	9.922	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1238845	9.800	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2346070	10.125	ppbv 100
34) 2-Butanone	5.26	43	1403596	9.963	ppbv 100
35) Carbon Tetrachloride	7.04	117	2485493	10.718	ppbv 100
36) Benzene	6.91	78	3035695	9.682	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1421184	9.572	ppbv 100
38) Trichloroethene	7.86	130	1637917	9.455	ppbv 100
39) 1,2-Dichloropropane	7.64	63	1019833	9.715	ppbv 100
40) 1,4-Dioxane	7.85	88	556984	10.772	ppbv 100
41) Tetrahydrofuran	6.06	42	794168	10.403	ppbv 100
42) Bromodichloromethane	7.81	83	2484612	10.248	ppbv 100
43) Methyl Methacrylate	8.03	69	1266004	10.428	ppbv 100

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Quant Time: Aug 27 05:40:27 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3899942	9.496	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1443079	11.620	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1707066	11.091	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1506566	9.601	ppbv	100
48) Dibromochloromethane	10.33	129	2666832	10.704	ppbv	100
49) Bromoform	13.07	173	2561828	11.097	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2088756	10.291	ppbv	100
51) 2-Hexanone	10.16	43	1815643	10.914	ppbv	100
52) Tetrachloroethene	11.25	164	1699866	9.340	ppbv	100
53) Toluene	9.83	91	3909244	9.853	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2422223	9.726	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2079375	9.719	ppbv	97
57) Chlorobenzene	12.18	112	3392555	8.903	ppbv	100
58) Ethyl Benzene	12.74	91	5098526	9.394	ppbv	100
59) m/p-Xylene	13.02	91	8235996m	17.852	ppbv	
60) o-Xylene	13.73	91	4219268	9.285	ppbv	100
61) Styrene	13.56	104	3518526	10.053	ppbv	100
62) Isopropylbenzene	14.70	105	6519491	8.874	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2966680	8.932	ppbv	100
64) n-propylbenzene	15.60	120	2116991	9.469	ppbv	100
65) tert-Butylbenzene	16.78	119	6214735	8.910	ppbv	100
66) Benzyl Chloride	17.03	91	2184470	12.874	ppbv	100
67) sec-Butylbenzene	17.33	105	8029544	8.657	ppbv	100
69) p-Isopropyltoluene	17.69	119	7172510	8.875	ppbv	100
70) n-Butylbenzene	18.59	91	6913396	8.907	ppbv	100
71) 2-Chlorotoluene	15.49	91	4967408	9.342	ppbv	100
72) 4-Ethyltoluene	15.88	105	5473410	9.443	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5042081	9.405	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	5264753	8.952	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	3879534	8.804	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3930645	8.930	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3812543	8.783	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2405866	8.074	ppbv	100
79) Naphthalene	22.25	128	6499301	8.879	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	2623612	9.120	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3715876	8.634	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1083682

Ion Ratio Lower Upper

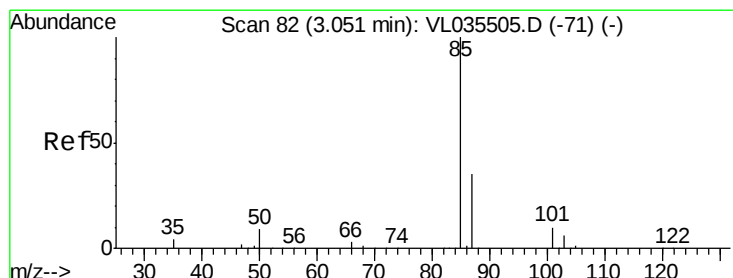
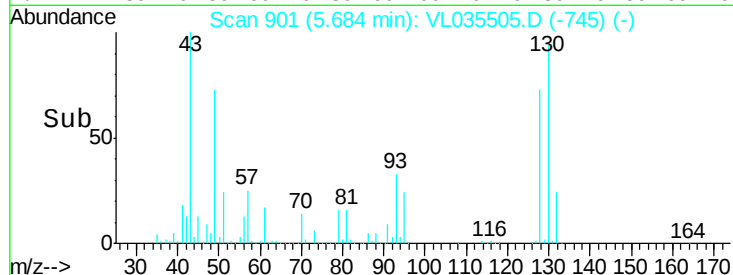
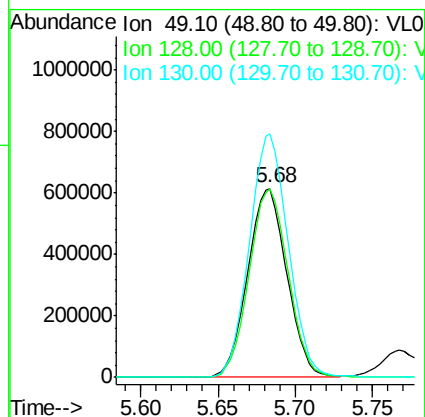
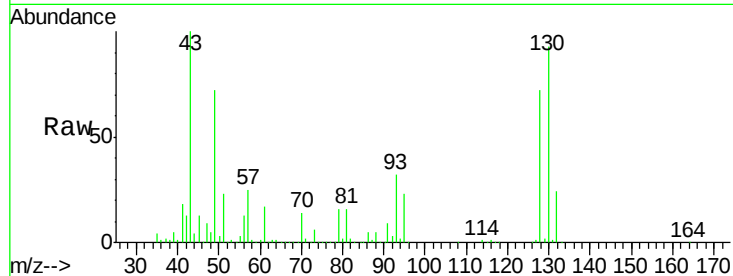
49 100

128 100.0 50.0 150.1

130 128.4 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 8.122 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL035505.D

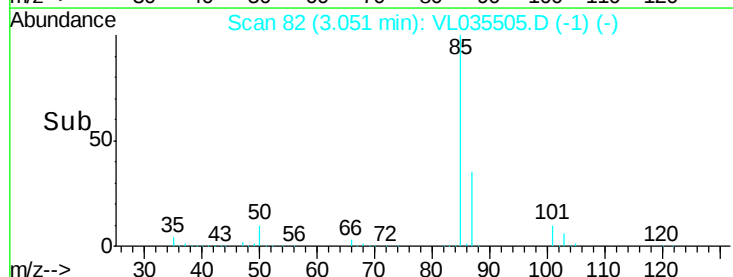
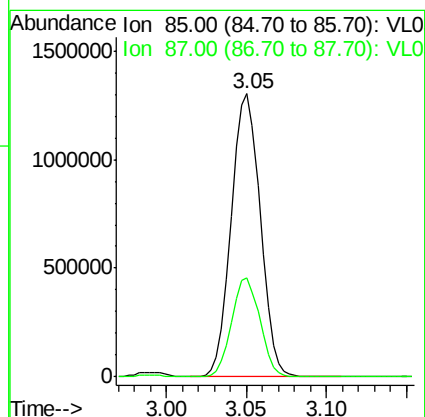
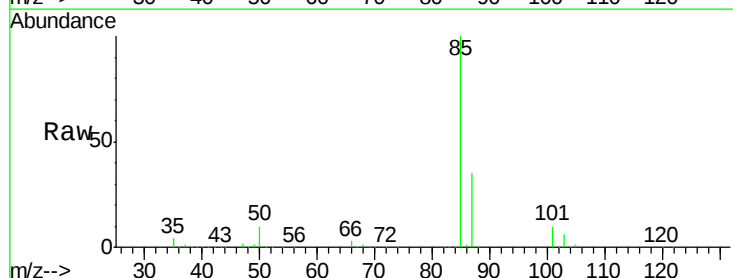
Acq: 27 Aug 2020 2:10

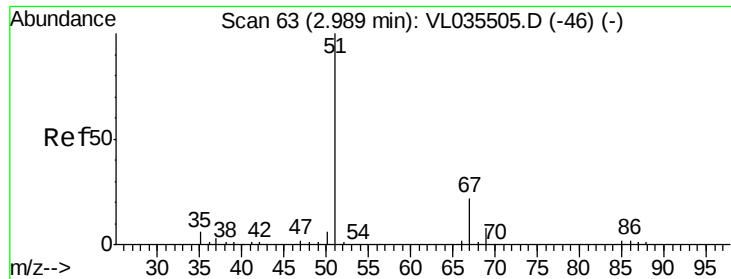
Tgt Ion: 85 Resp: 1609667

Ion Ratio Lower Upper

85 100

87 35.0 28.0 42.0





#3

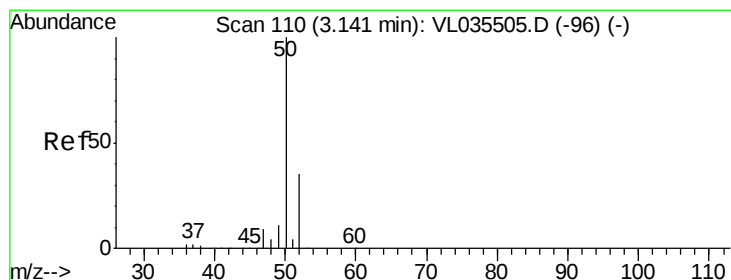
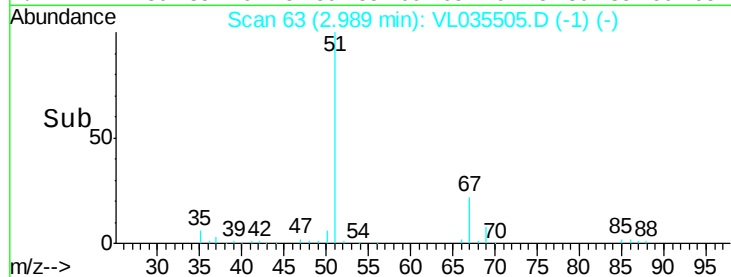
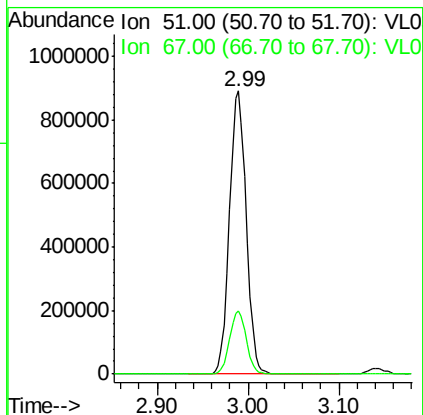
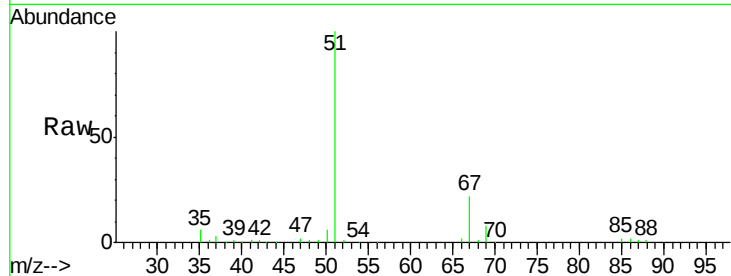
Chlorodifluoromethane
 Concen: 9.354 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 51 Resp: 1144535
 Ion Ratio Lower Upper
 51 100
 67 22.3 17.8 26.8

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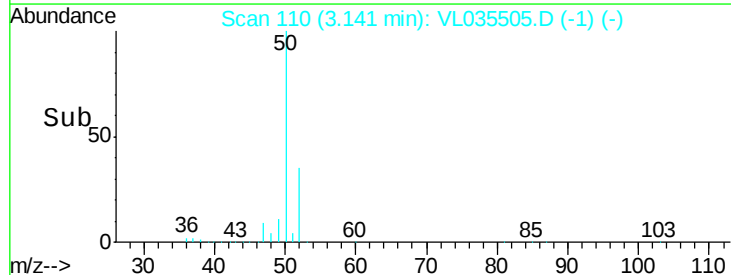
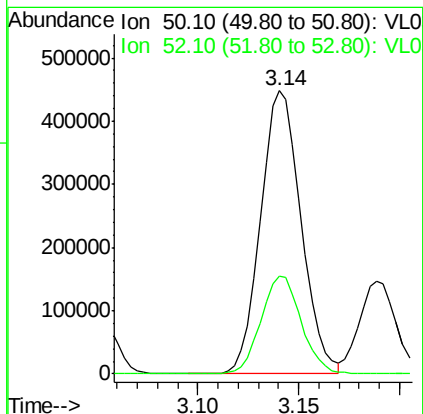
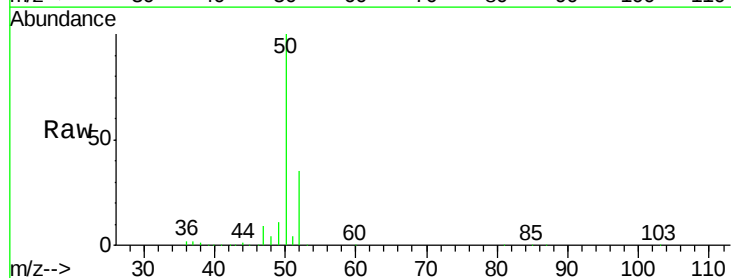
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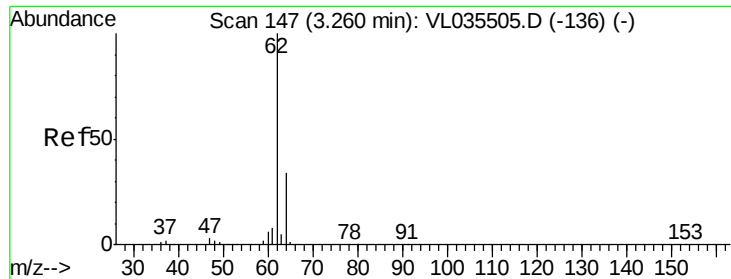


#4

Chloromethane
 Concen: 9.827 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion: 50 Resp: 625867
 Ion Ratio Lower Upper
 50 100
 52 34.6 27.7 41.5





#5

Vinyl Chloride

Concen: 9.766 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 731167

Ion Ratio Lower Upper

62 100

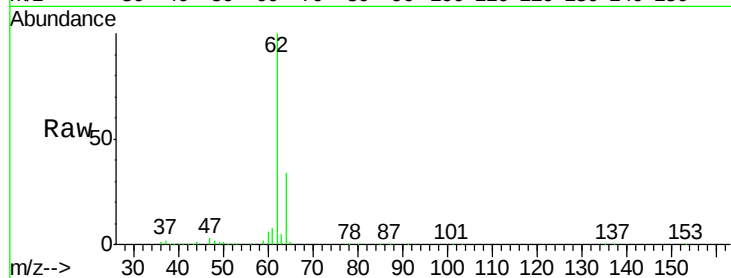
64 34.3 27.4 41.2

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

600000

500000

400000

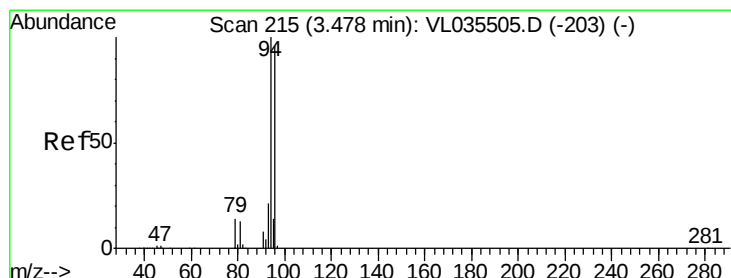
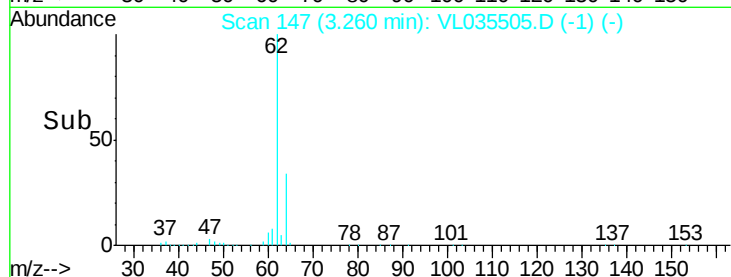
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.483 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL035505.D

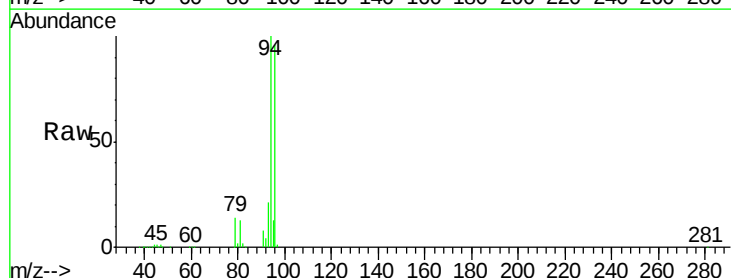
Acq: 27 Aug 2020 2:10

Tgt Ion: 94 Resp: 651056

Ion Ratio Lower Upper

94 100

96 96.4 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

500000

400000

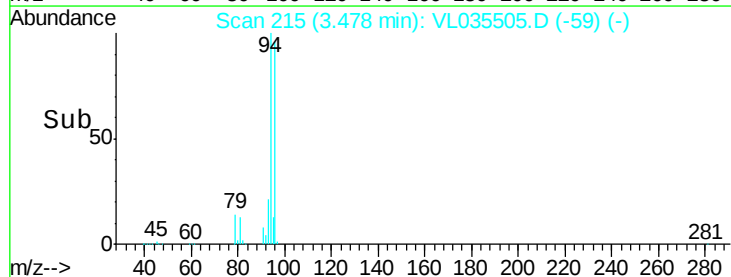
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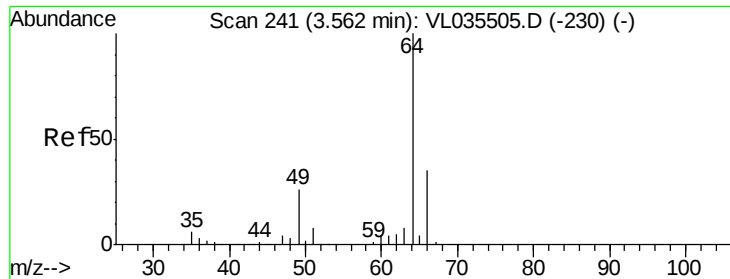
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.577 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 273883

Ion Ratio Lower Upper

64 100

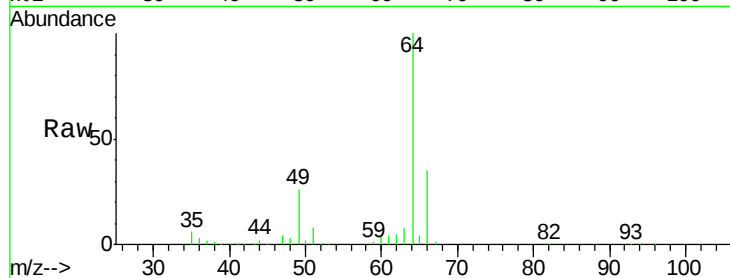
66 34.6 27.7 41.5

Manual Integrations

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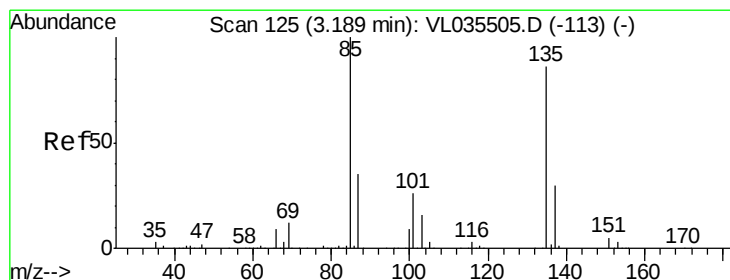
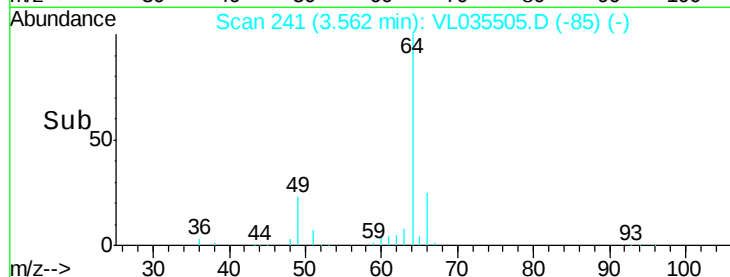
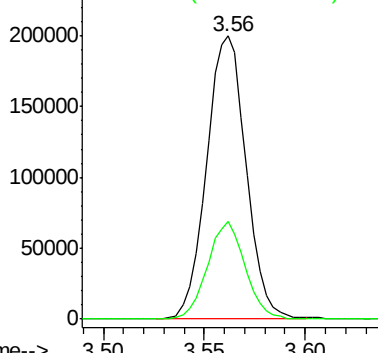
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.999 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL035505.D

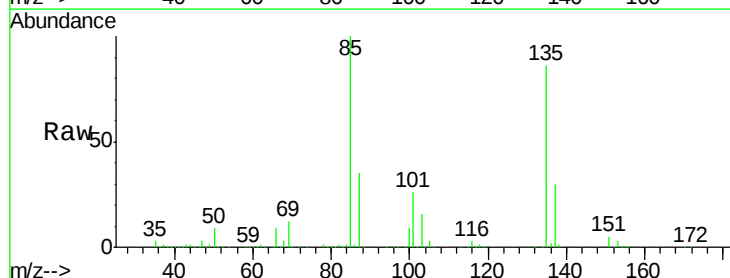
Acq: 27 Aug 2020 2:10

Tgt Ion: 85 Resp: 2117227

Ion Ratio Lower Upper

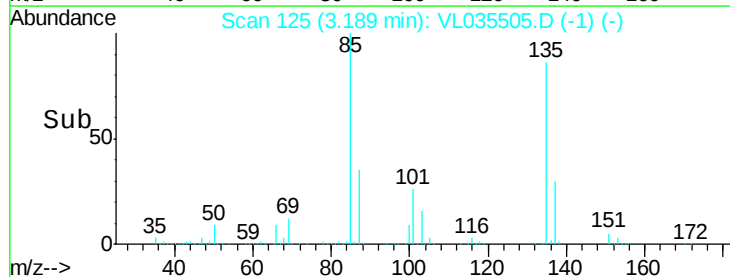
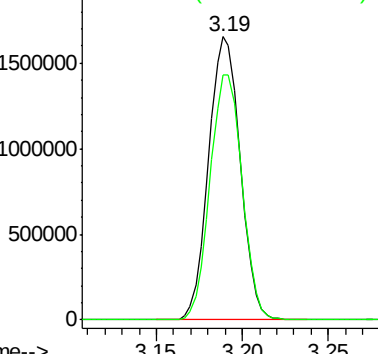
85 100

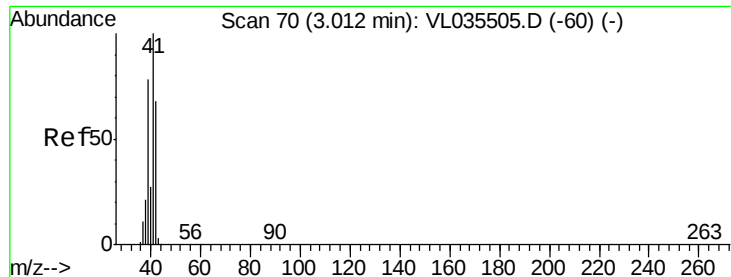
135 88.0 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.323 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 443743

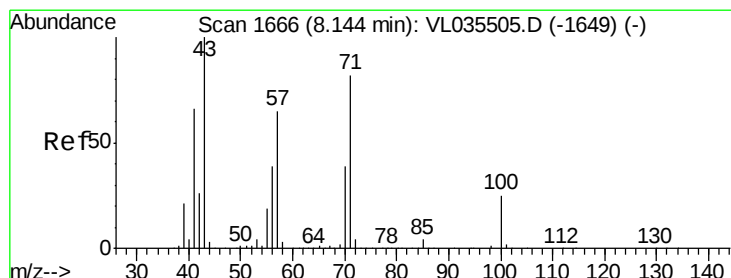
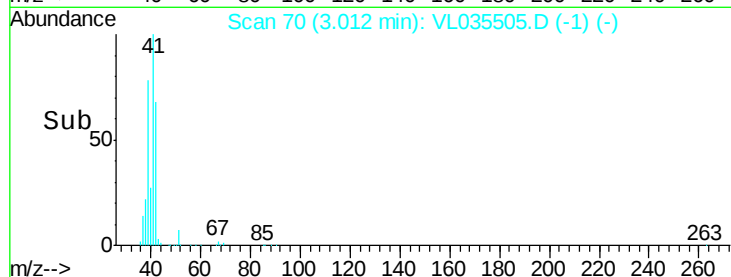
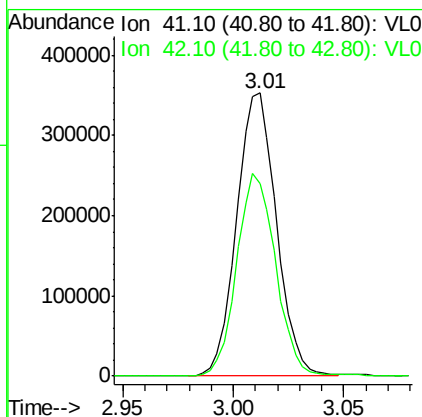
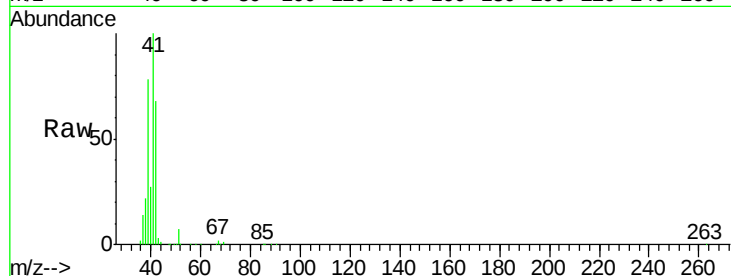
Ion Ratio Lower Upper

41 100

42 70.4 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 9.754 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VL035505.D

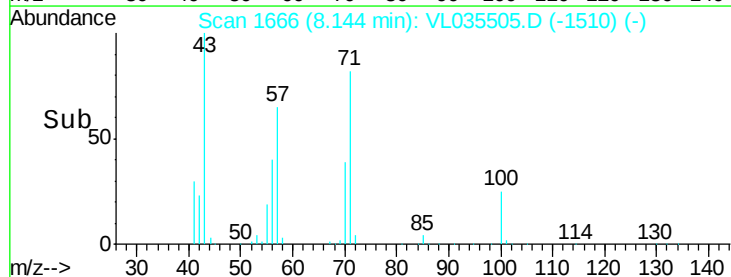
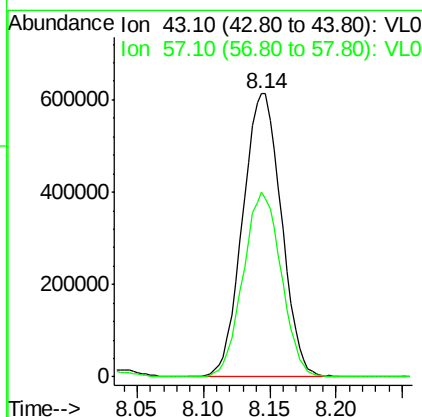
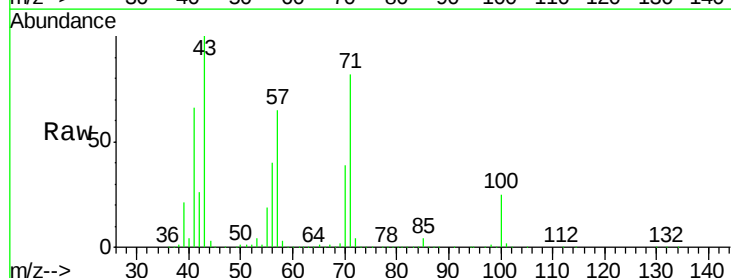
Acq: 27 Aug 2020 2:10

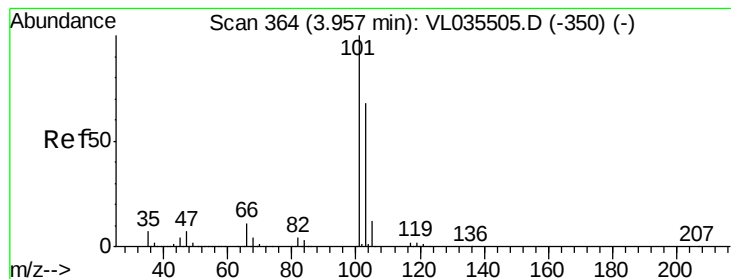
Tgt Ion: 43 Resp: 1236313

Ion Ratio Lower Upper

43 100

57 64.2 51.4 77.0





#11

Trichlorofluoromethane

Concen: 8.957 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 2560893

Ion Ratio Lower Upper

101 100

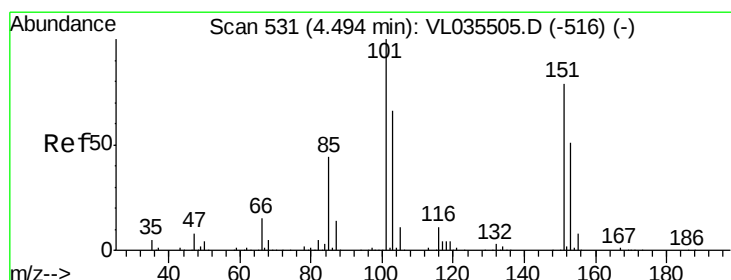
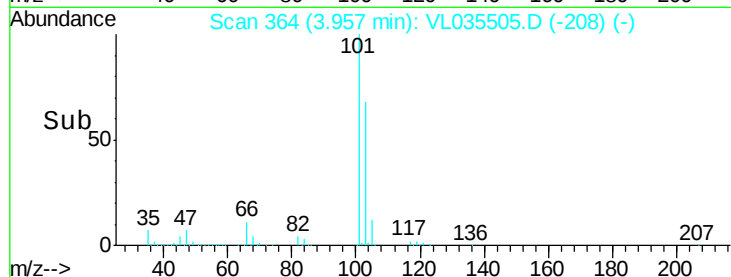
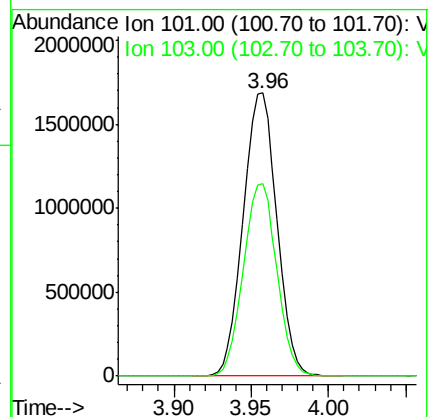
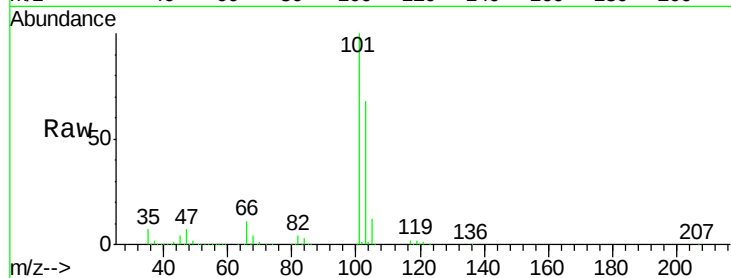
103 68.1 54.5 81.7

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.210 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL035505.D

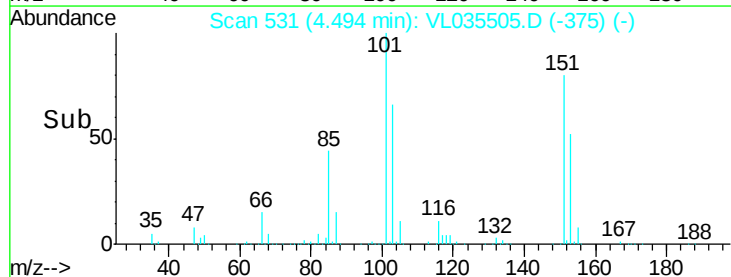
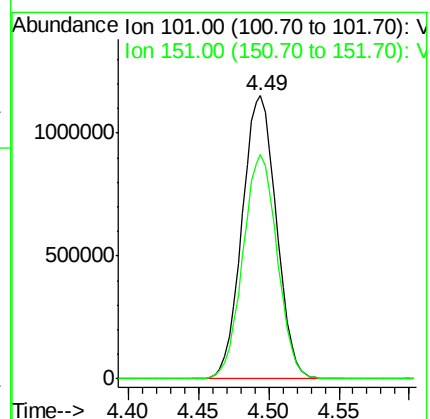
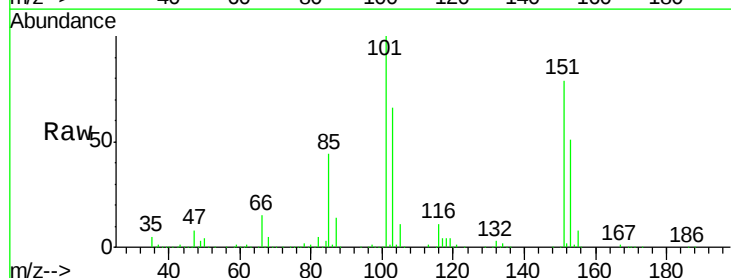
Acq: 27 Aug 2020 2:10

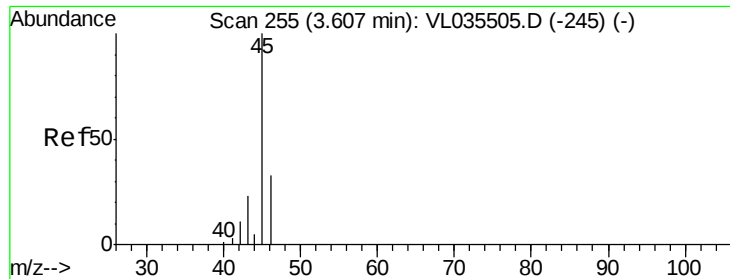
Tgt Ion:101 Resp: 1965308

Ion Ratio Lower Upper

101 100

151 79.4 63.5 95.3





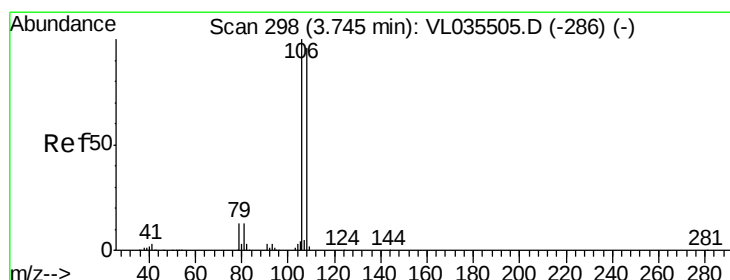
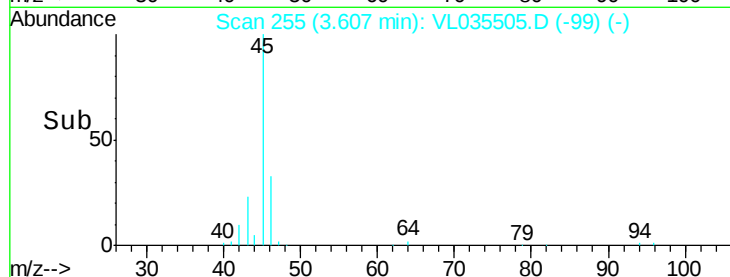
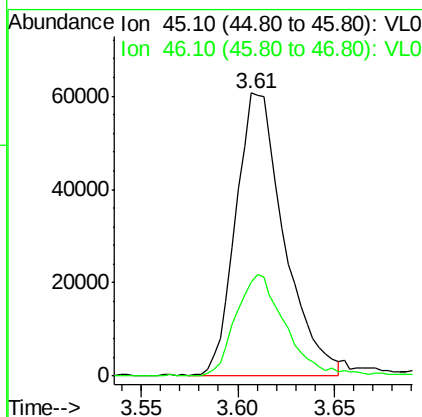
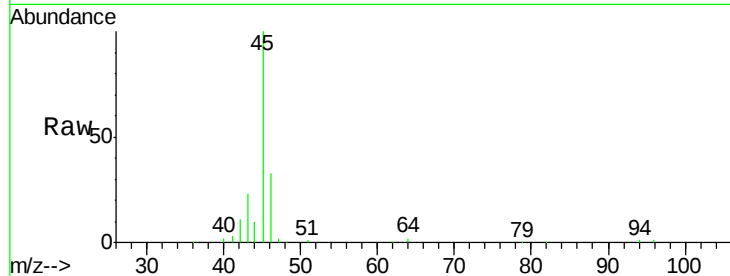
#13
Ethanol
Concen: 7.855 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.8	15.2	60.6

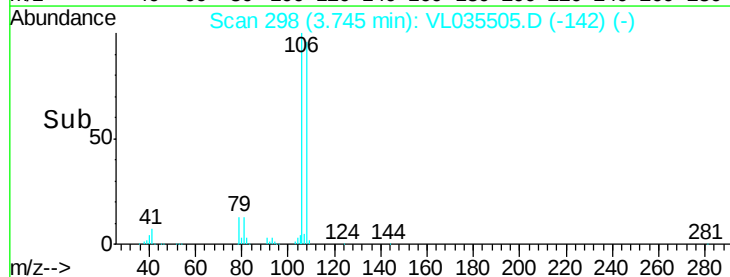
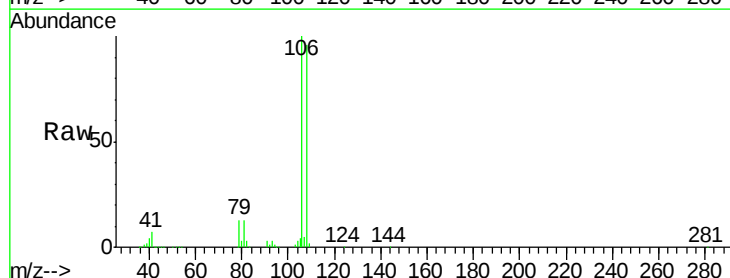
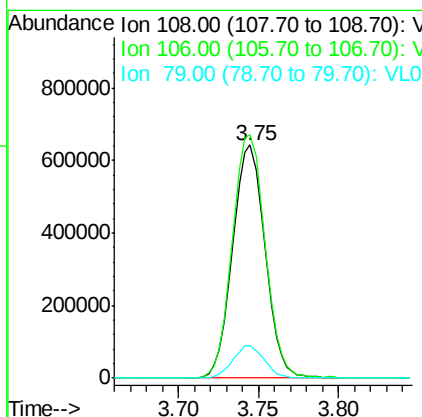
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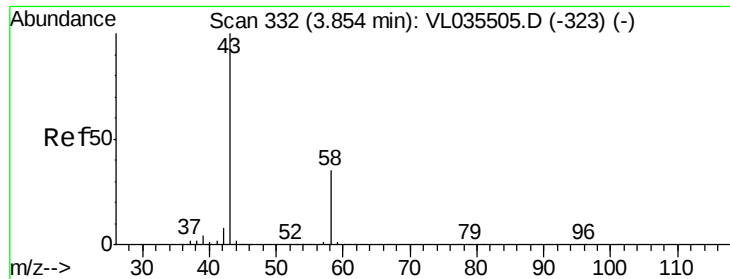
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#14
Bromoethene
Concen: 9.547 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.1	84.9	127.3
79	13.5	10.8	16.2





#15

Acetone

Concen: 9.222 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1071952

Ion Ratio Lower Upper

43 100

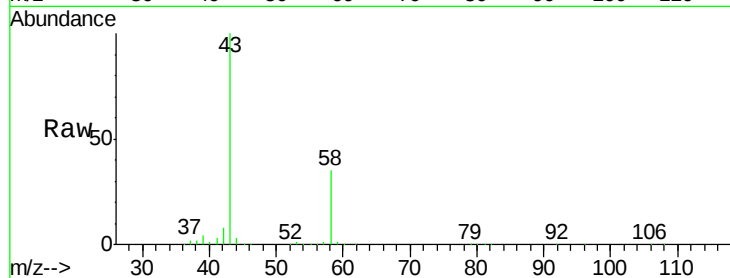
58 35.3 28.4 42.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

600000

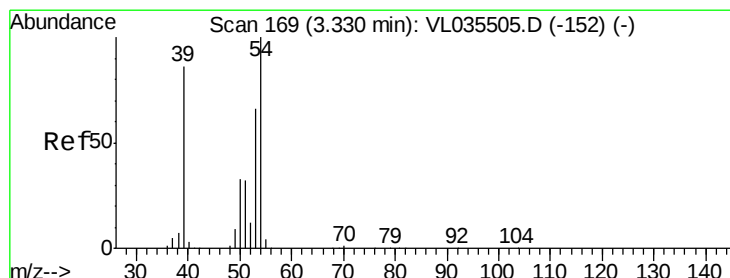
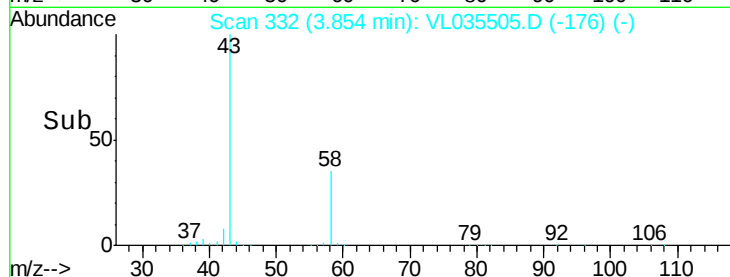
400000

200000

0

3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 9.611 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL035505.D

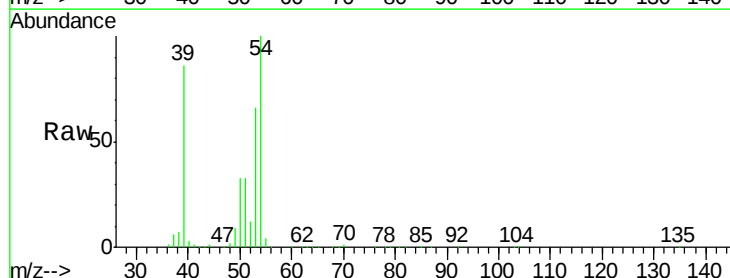
Acq: 27 Aug 2020 2:10

Tgt Ion: 39 Resp: 443667

Ion Ratio Lower Upper

39 100

54 110.5 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

400000

300000

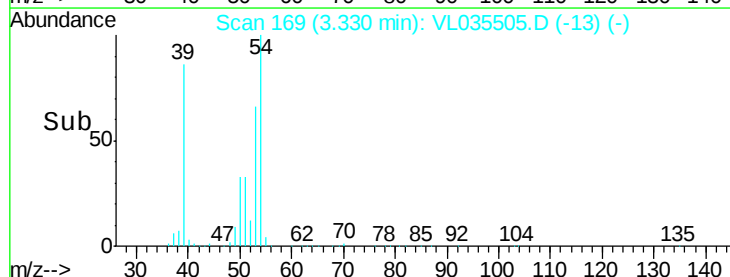
200000

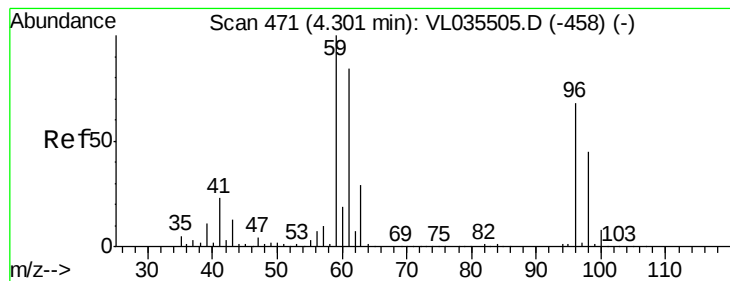
100000

0

3.25 3.30 3.35 3.40

Time-->





#17

tert-Butyl alcohol

Concen: 9.958 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Tot Ion: 59 Resp: 1473076

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

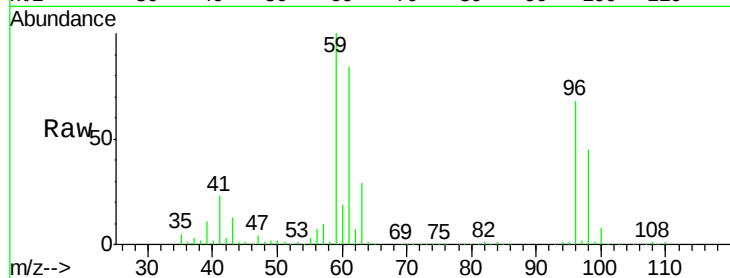
VSTDICCC010

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

800000

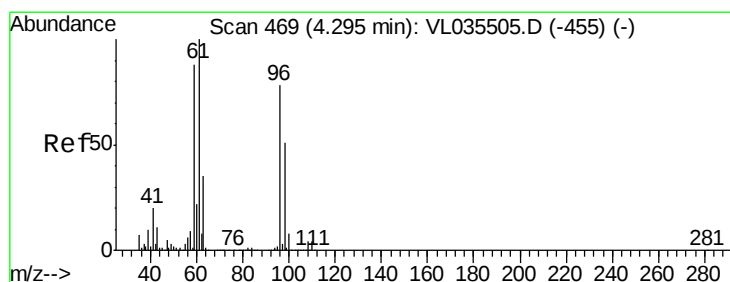
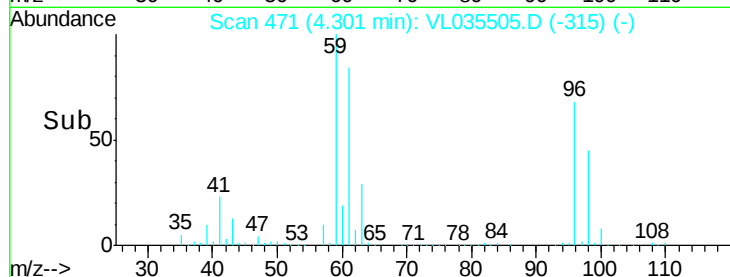
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.576 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

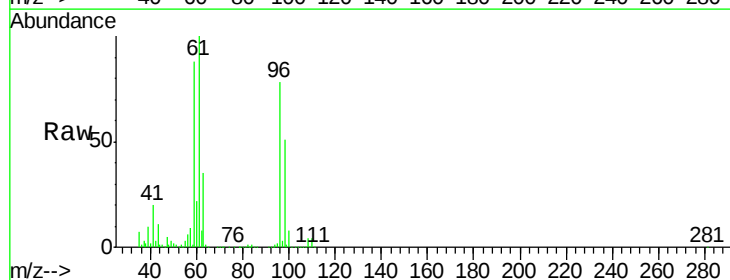
Tgt Ion: 96 Resp: 904570

Ion Ratio Lower Upper

96 100

61 128.8 103.0 154.6

98 66.0 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

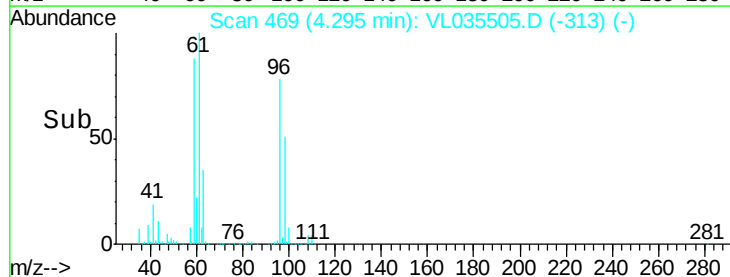
600000

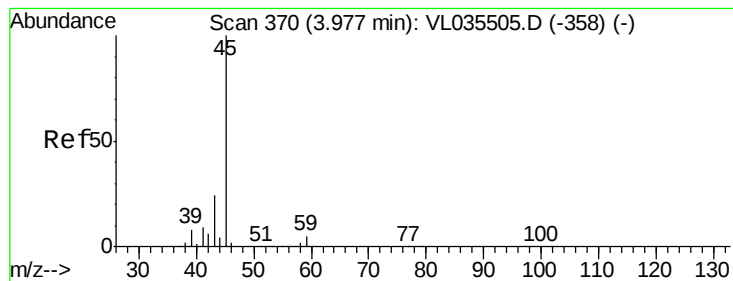
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.757 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 732931

Ion Ratio Lower Upper

45 100

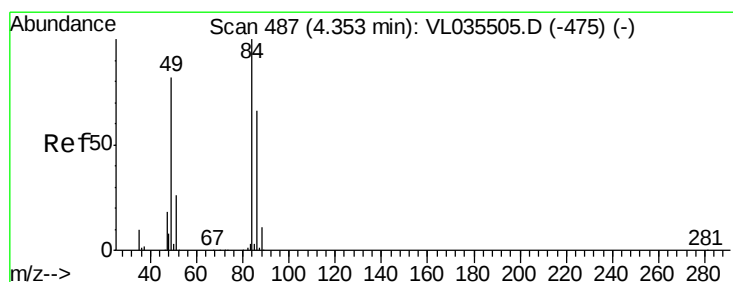
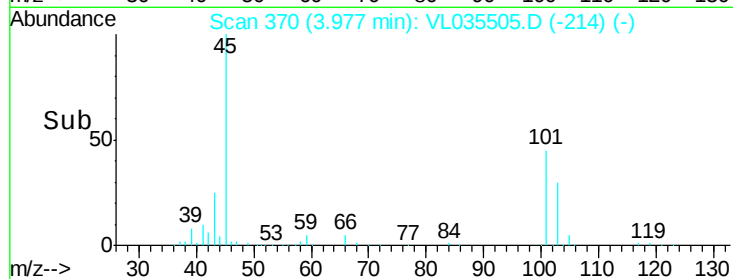
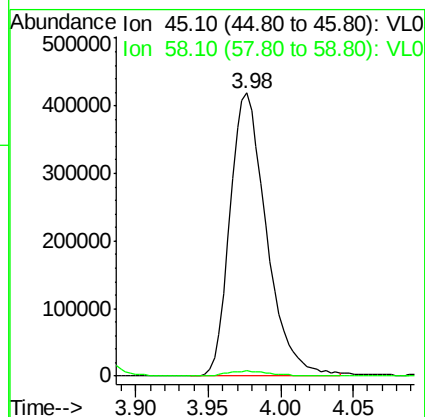
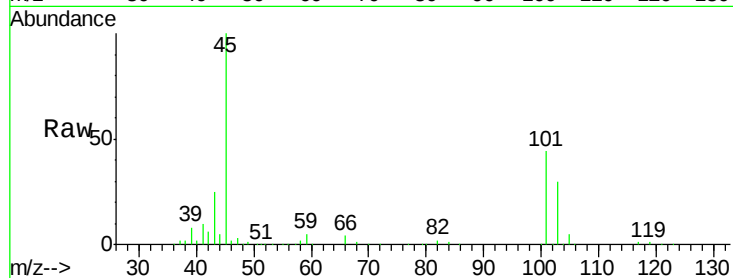
58 2.1 2.0 3.0

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#20

Methylene Chloride

Concen: 5.785 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Tgt Ion: 84 Resp: 716852

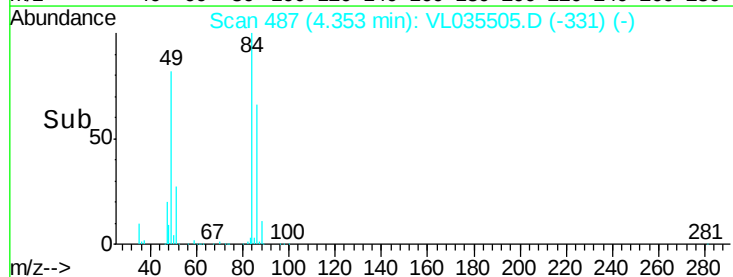
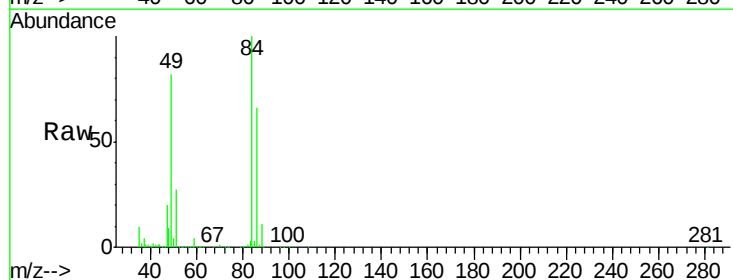
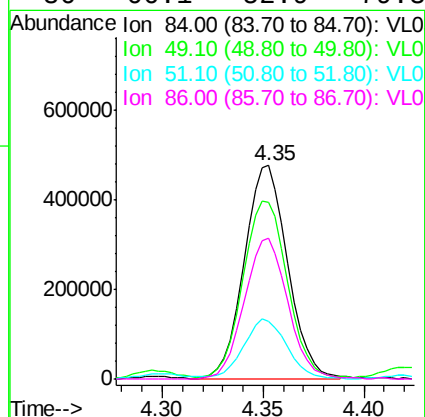
Ion Ratio Lower Upper

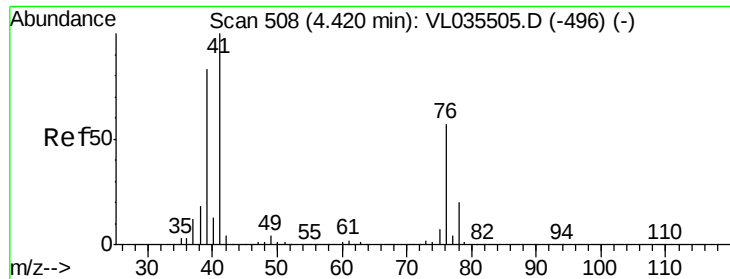
84 100

49 81.7 65.4 98.0

51 26.9 21.5 32.3

86 66.1 52.9 79.3





#21

Allvl Chloride

Concen: 10.169 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

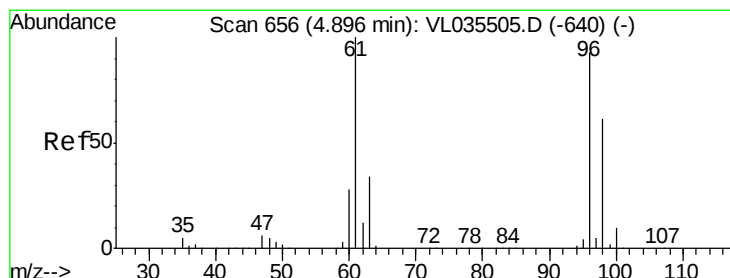
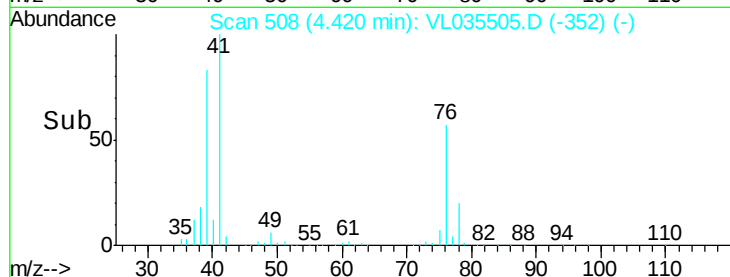
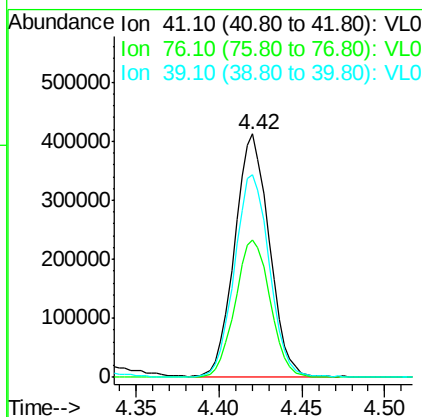
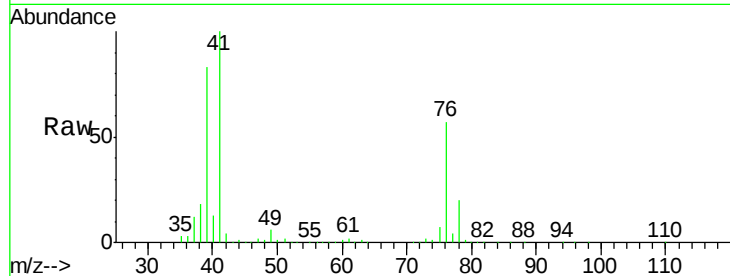
ClientSampled :

VSTDICCC010

Tot Ion:	41	Resp:	595927
Ion Ratio	Lower	Upper	
41	100		
76	57.7	46.2	69.2
39	84.7	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 9.504 ppbv

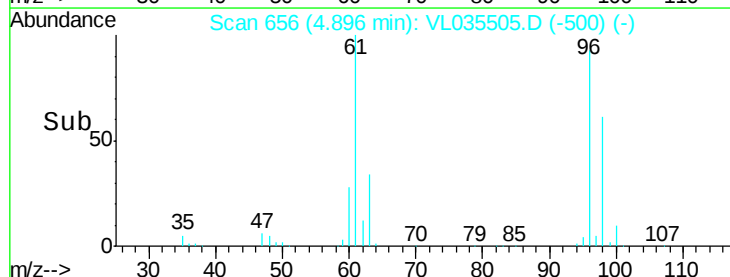
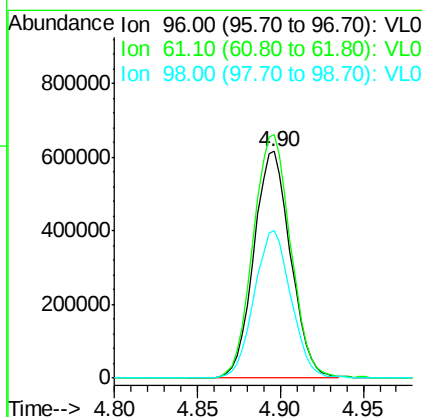
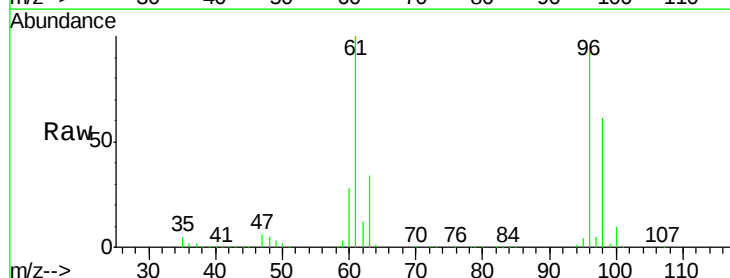
RT: 4.90 min Scan# 656

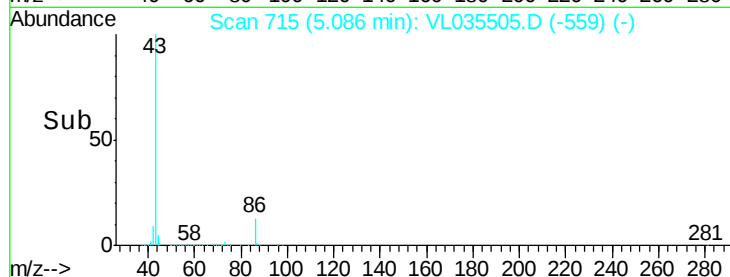
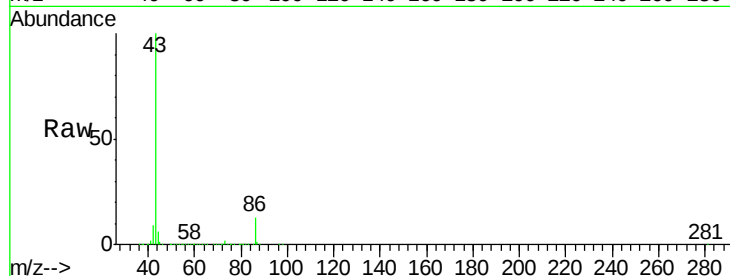
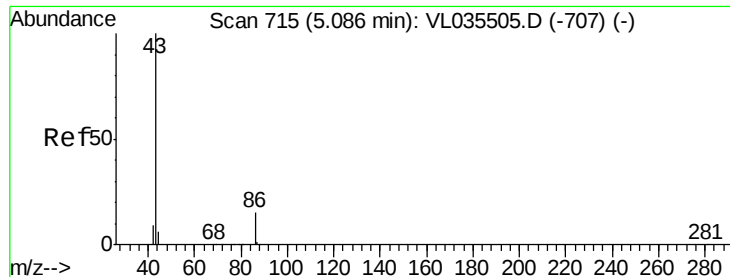
Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Tgt Ion:	96	Resp:	948234
Ion Ratio	Lower	Upper	
96	100		
61	107.5	86.0	129.0
98	65.4	52.3	78.5





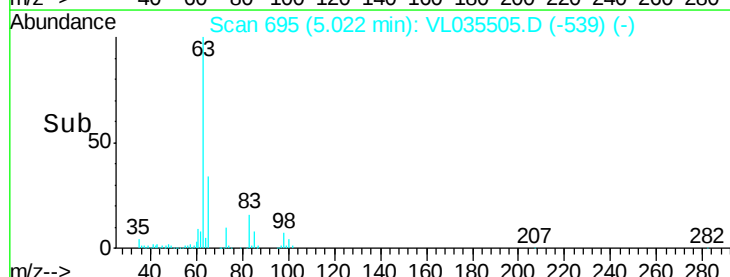
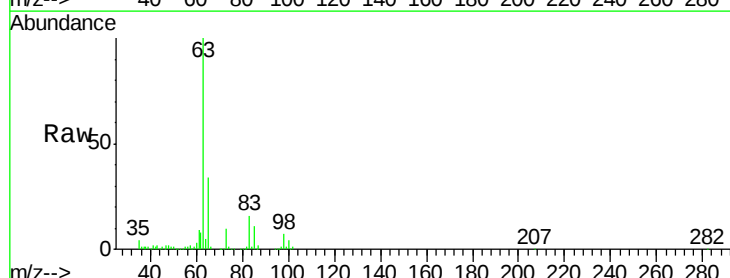
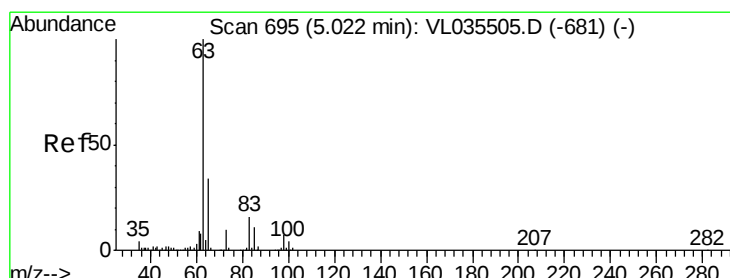
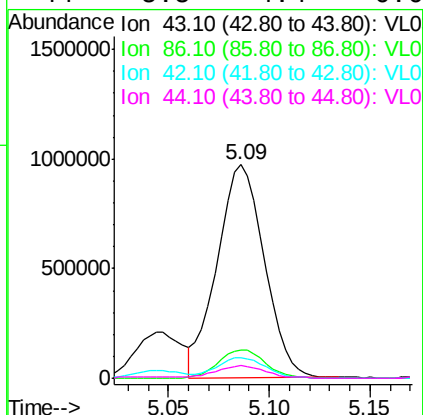
#23
 Vinyl Acetate
 Concen: 10.350 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tot Ion: 43 Resp: 1583203
 Ion Ratio Lower Upper
 43 100
 86 13.3 10.6 16.0
 42 9.4 7.5 11.3
 44 5.5 4.4 6.6

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

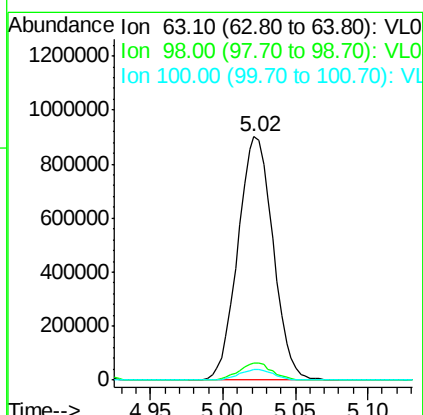
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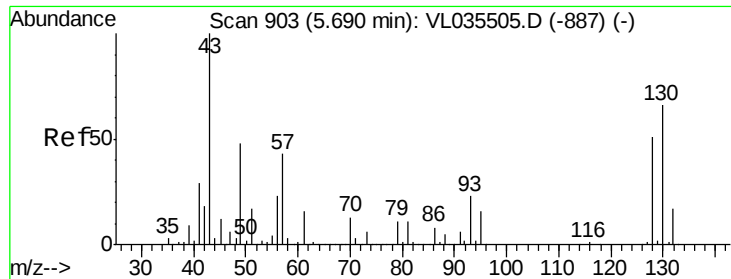
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#24
 1,1-Dichloroethane
 Concen: 9.459 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion: 63 Resp: 1518185
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.3 2.1 6.5





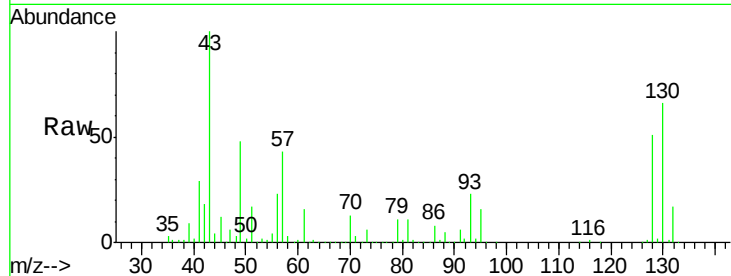
#25
Ethyl Acetate
Concen: 9.078 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

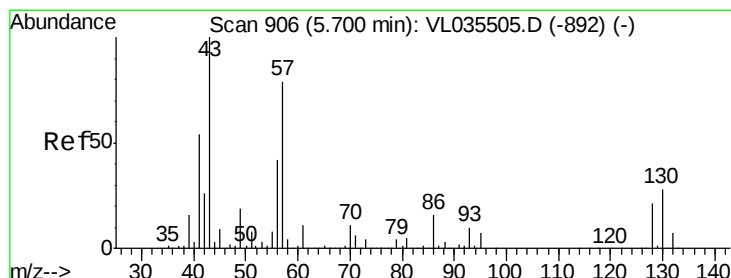
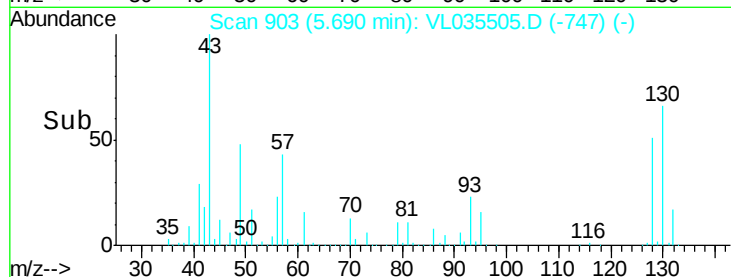
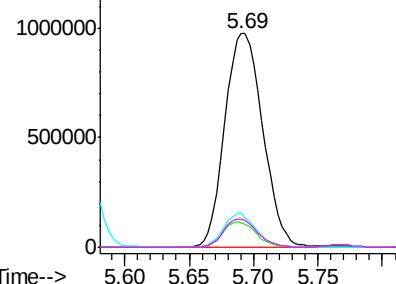
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	13.6	10.6	16.0
70	11.8	9.4	14.2

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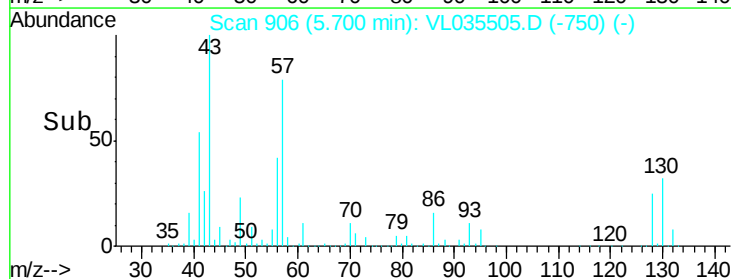
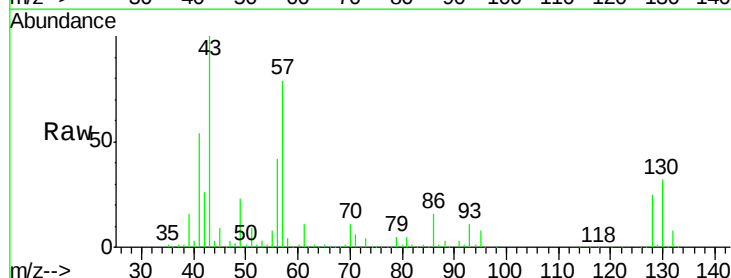
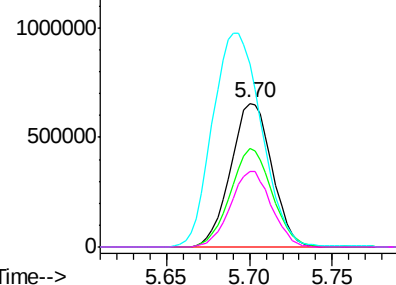
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

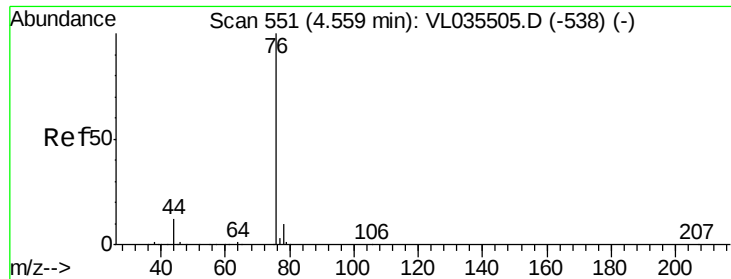


#26
Hexane
Concen: 8.457 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	70.5	55.9	83.9
43	177.4	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





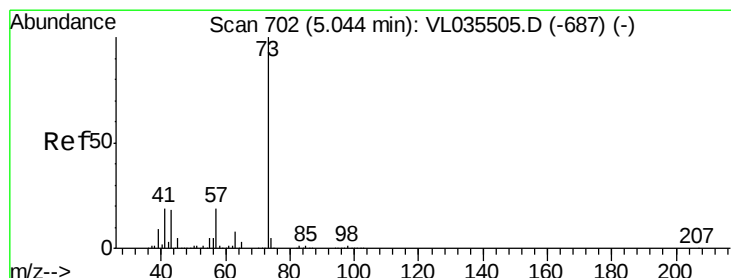
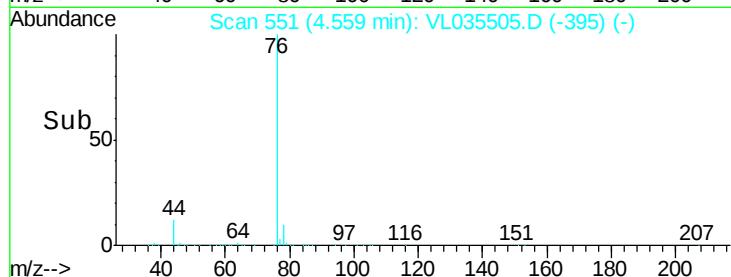
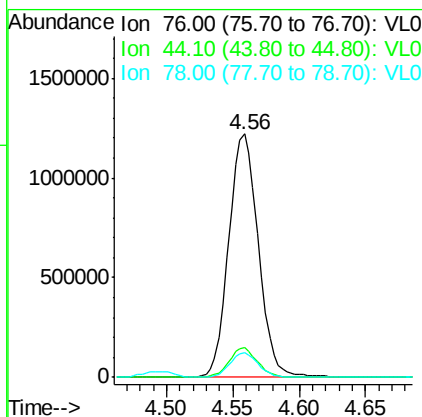
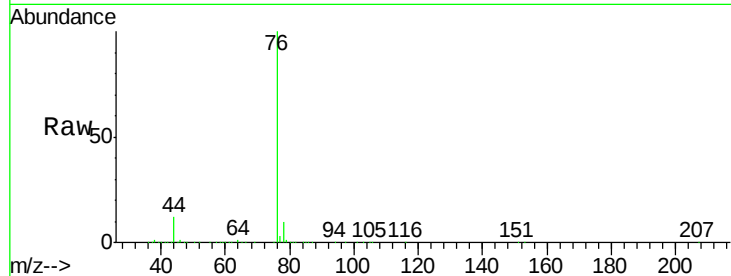
#27
Carbon Disulfide
Concen: 10.643 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	11.5	9.3	13.9
78	9.8	7.8	11.6

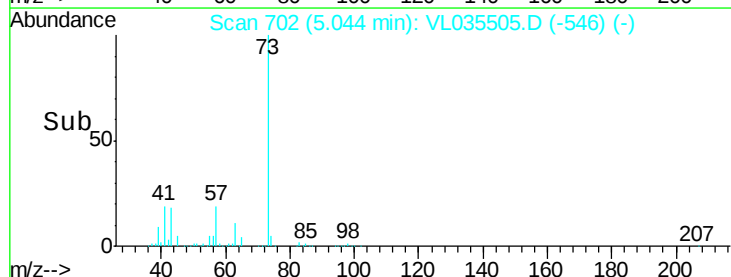
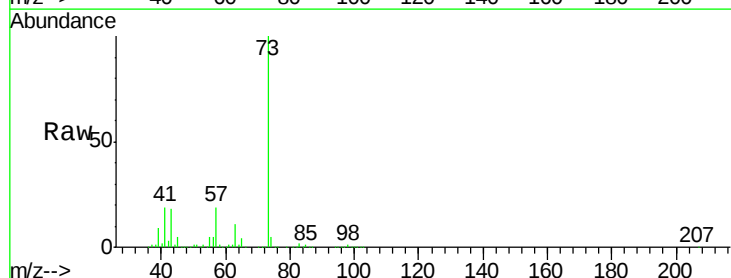
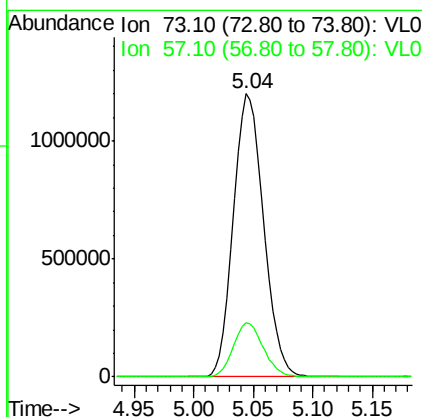
Manual Integrations
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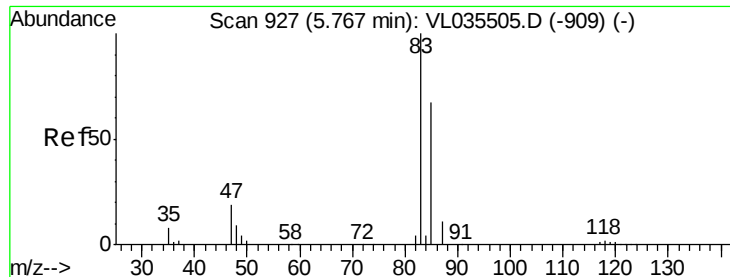
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#28
Methyl tert-Butyl Ether
Concen: 9.768 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.0	15.2	22.8





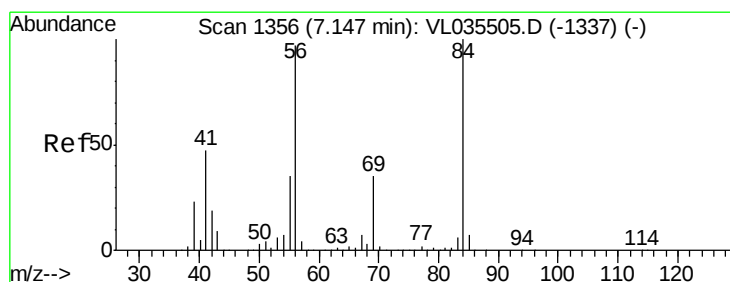
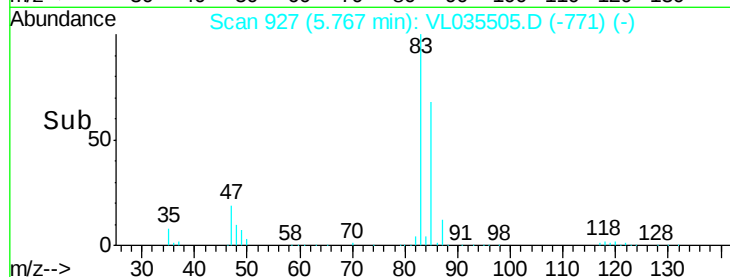
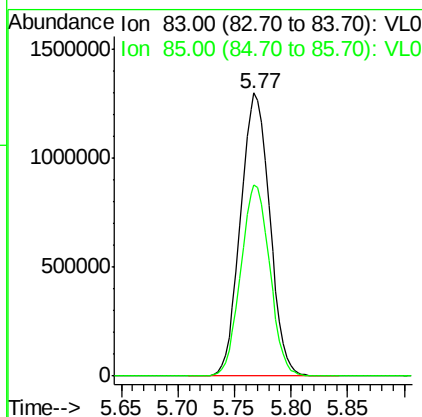
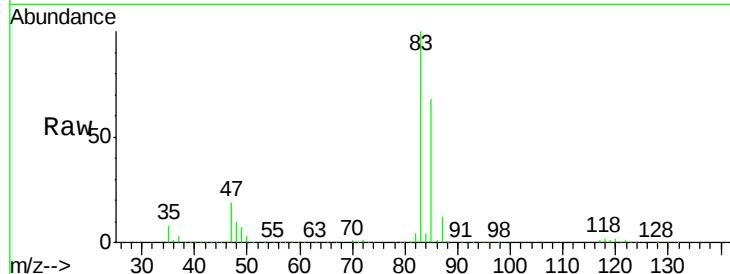
#29
Chloroform
Concen: 9.233 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2343427
Ion Ratio Lower Upper
83 100
85 67.4 53.9 80.9

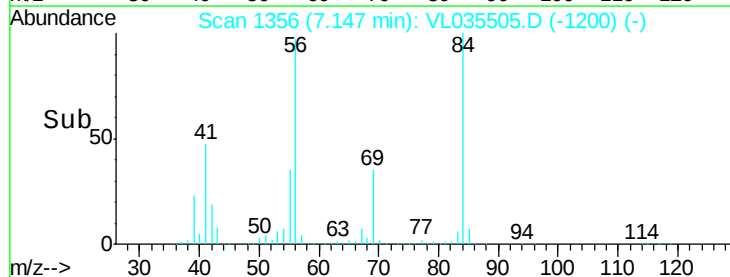
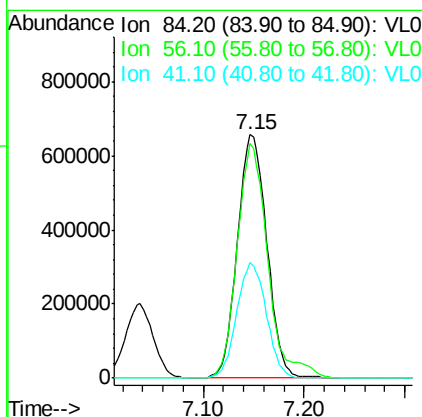
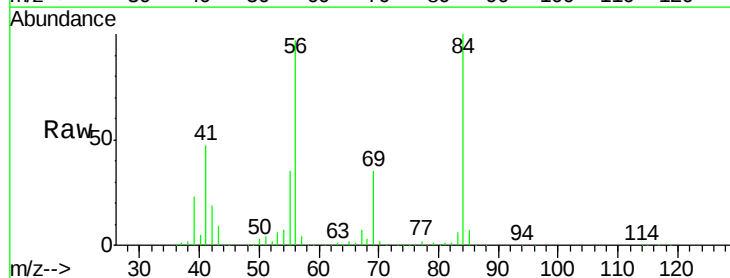
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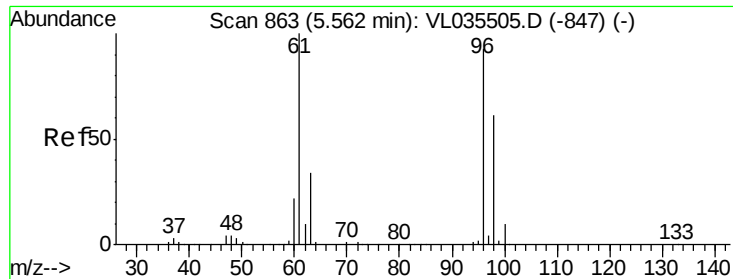
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#30
Cyclohexane
Concen: 9.922 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion: 84 Resp: 1333301
Ion Ratio Lower Upper
84 100
56 100.2 80.1 120.1
41 47.4 38.1 57.1





#31

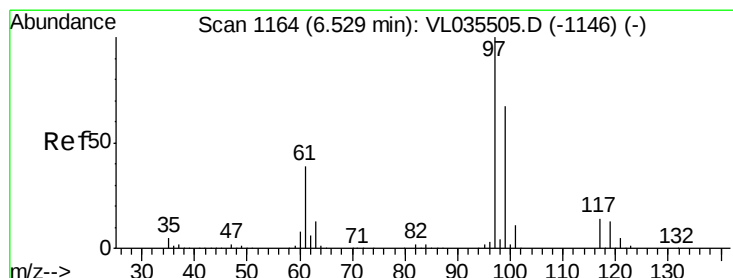
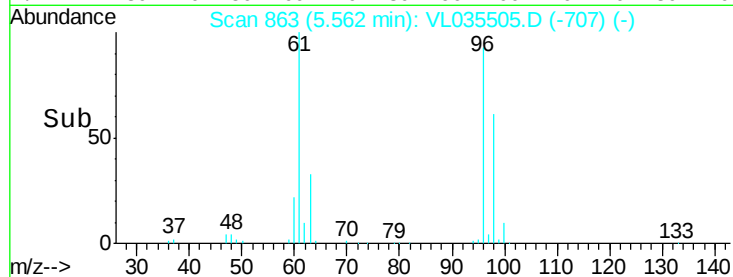
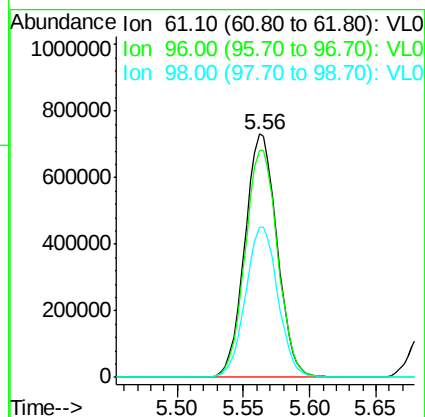
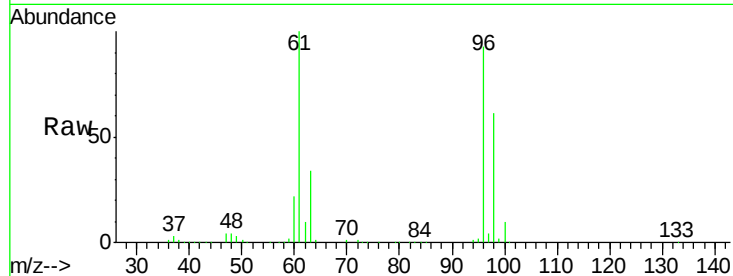
cis-1,2-Dichloroethene
Concen: 9.800 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	93.0	74.4	111.6
98	61.5	49.2	73.8

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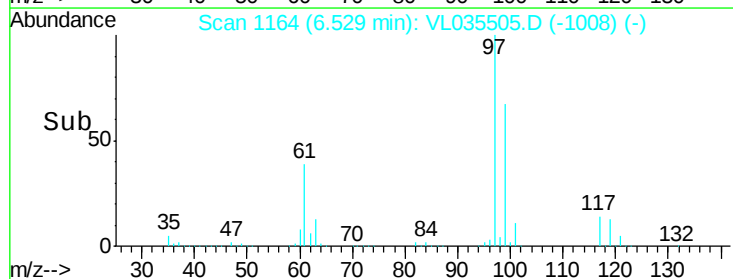
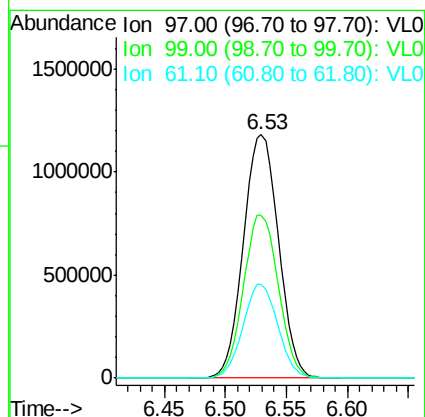
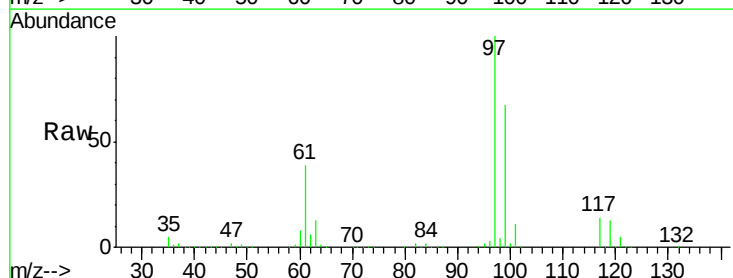
MMDadoda
8/28/2020 3:17:21 PM

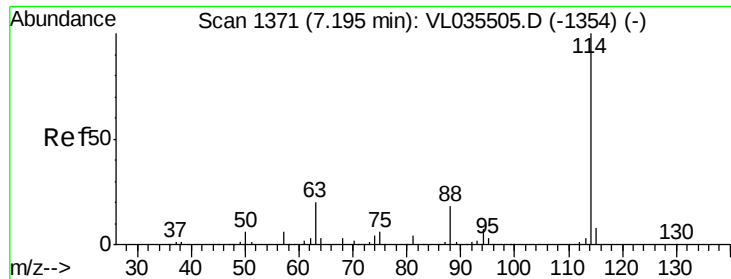


#32

1,1,1-Trichloroethane
Concen: 10.125 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	53.3	79.9
61	38.3	30.6	46.0





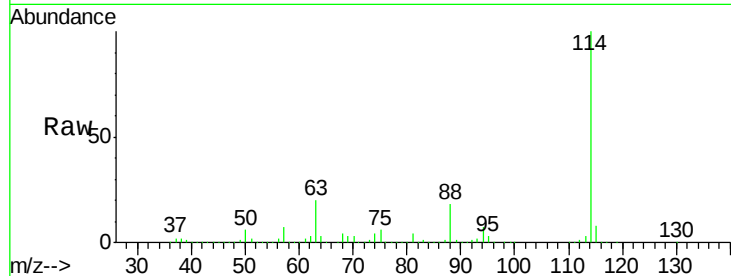
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

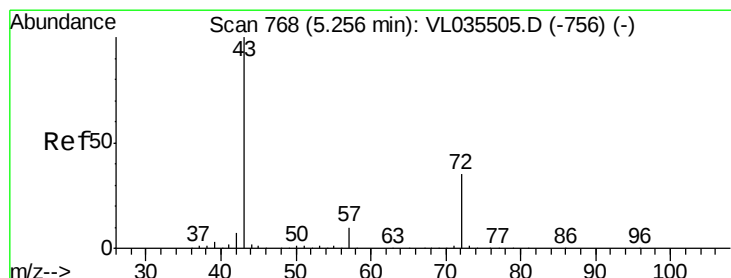
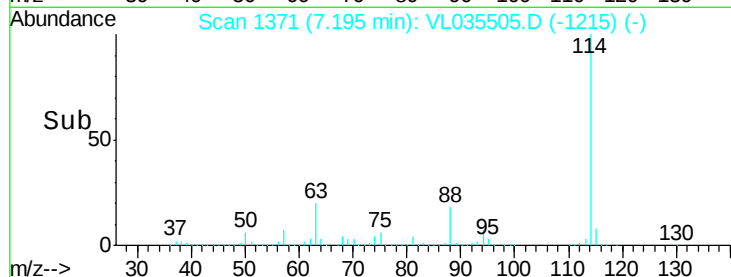
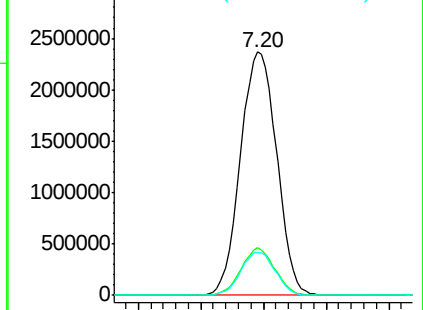
Tot Ion:114 Resp: 4765920
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 16.8 13.4 20.2

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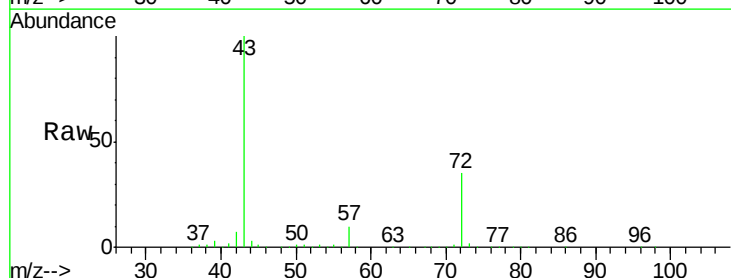


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

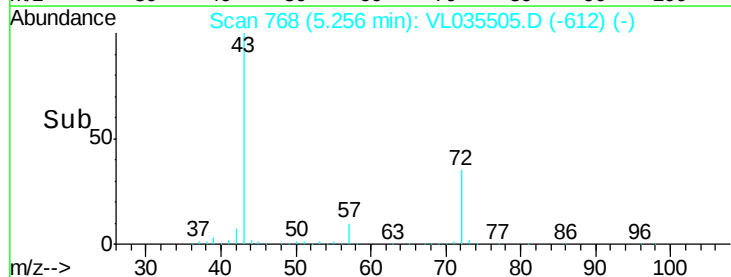
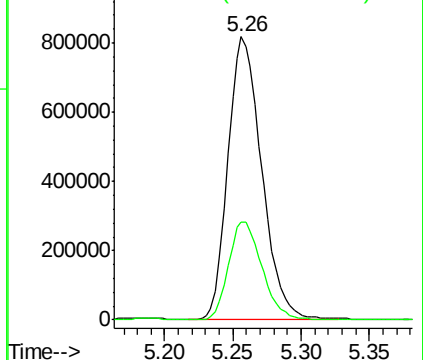


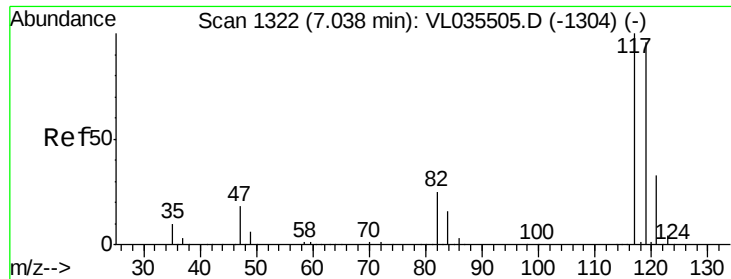
#34
 2-Butanone
 Concen: 9.963 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion: 43 Resp: 1403596
 Ion Ratio Lower Upper
 43 100
 72 34.6 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.718 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2485493

Ion Ratio Lower Upper

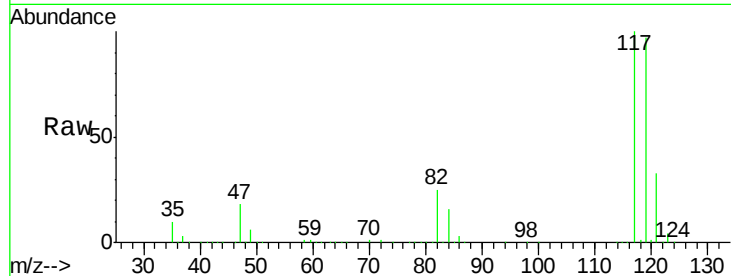
117 100

119 96.5 77.2 115.8

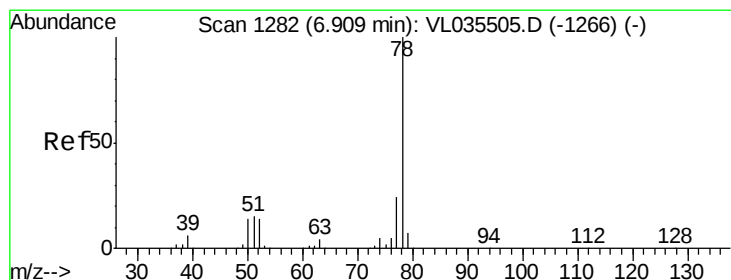
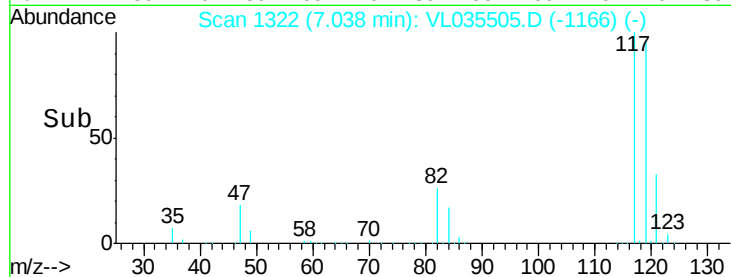
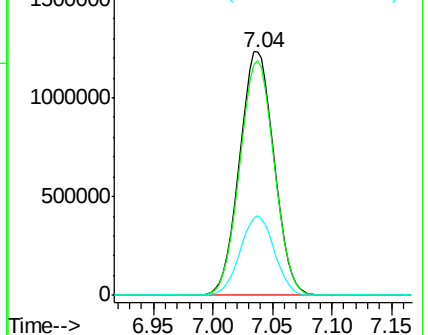
121 32.6 26.1 39.1

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.682 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

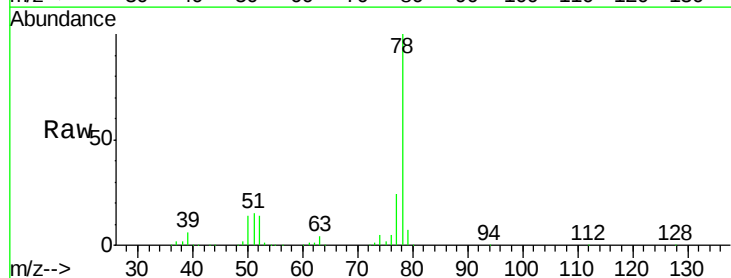
Tgt Ion: 78 Resp: 3035695

Ion Ratio Lower Upper

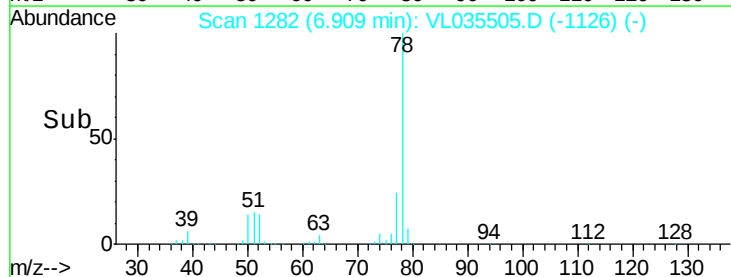
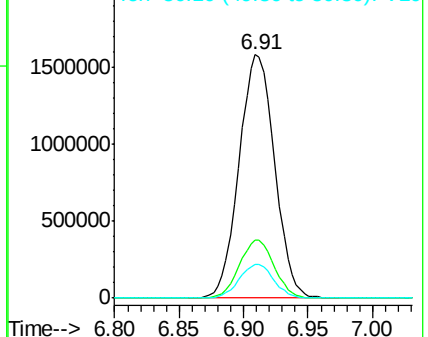
78 100

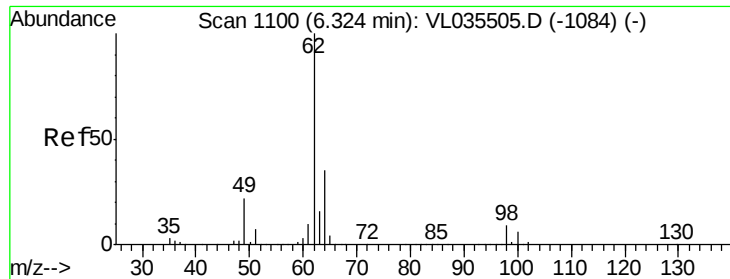
77 24.1 19.3 28.9

50 13.8 11.0 16.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





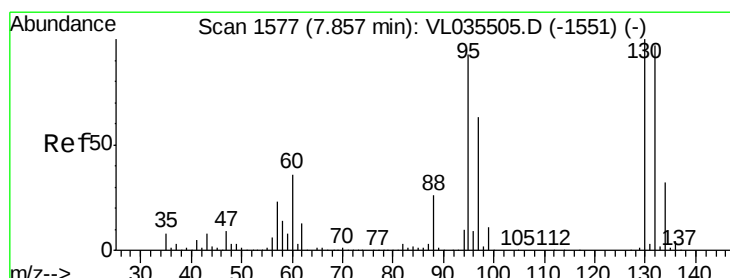
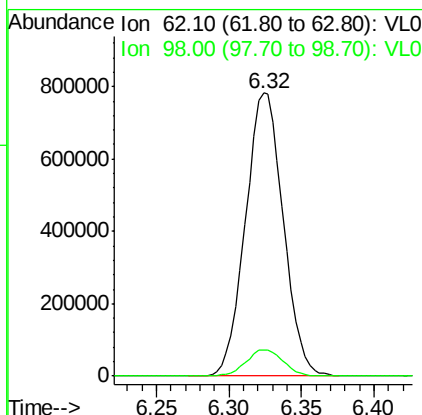
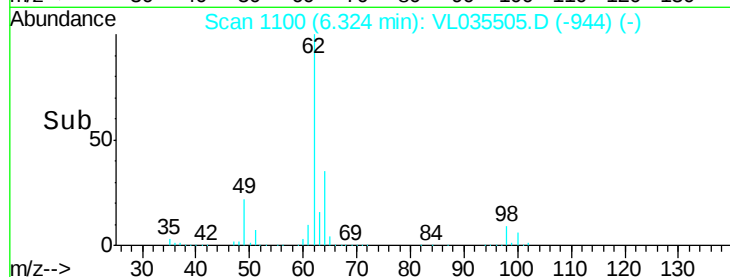
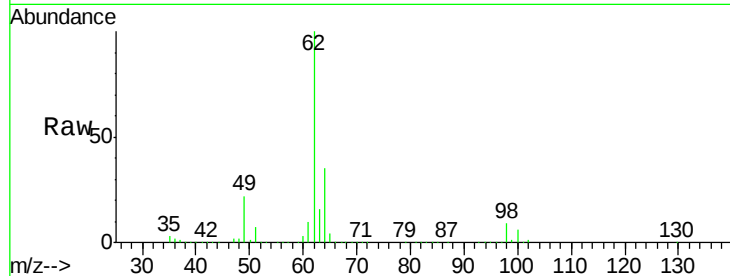
#37
 1,2-Dichloroethane
 Concen: 9.572 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1421184
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0

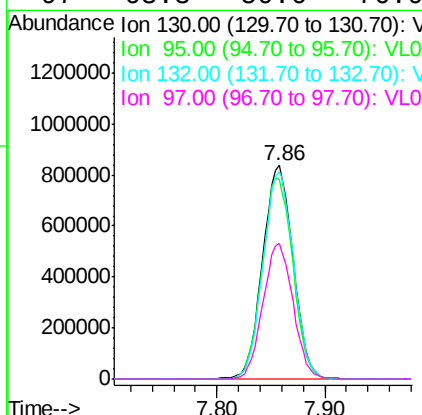
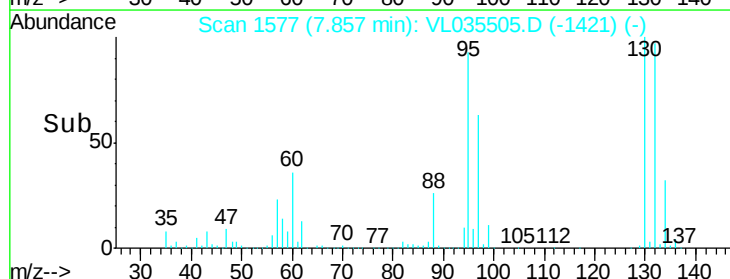
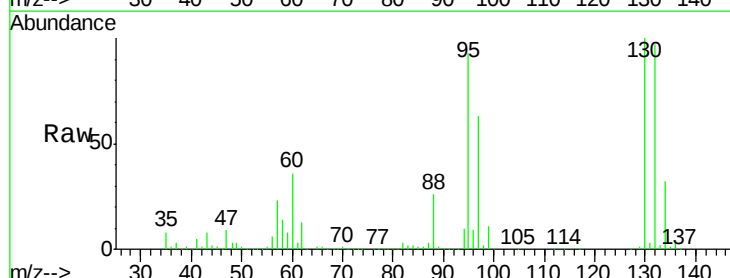
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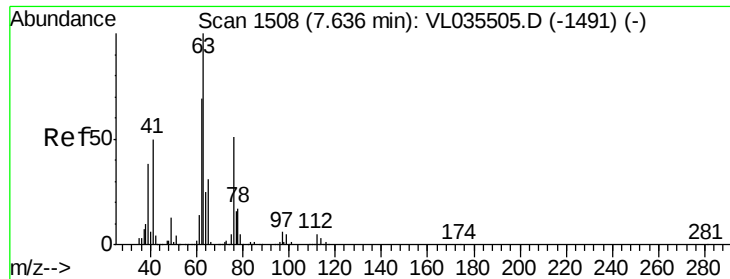
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#38
 Trichloroethene
 Concen: 9.455 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion: 130 Resp: 1637917
 Ion Ratio Lower Upper
 130 100
 95 93.3 74.6 112.0
 132 97.0 77.6 116.4
 97 63.3 50.6 76.0





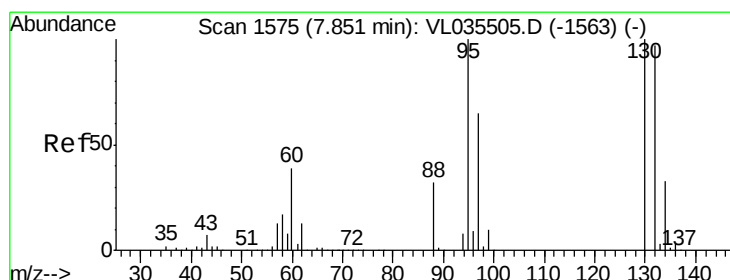
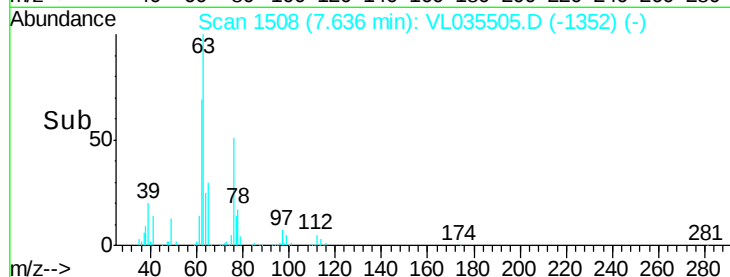
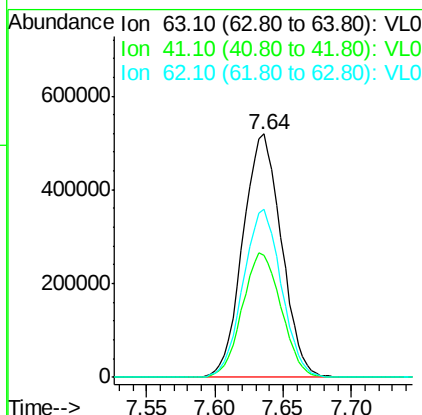
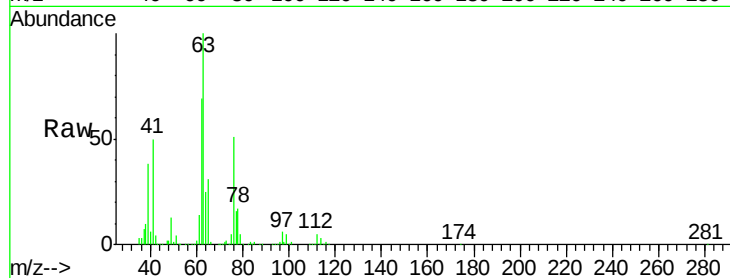
#39
 1,2-Dichloropropane
 Concen: 9.715 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	50.0	40.0	60.0
62	69.2	55.4	83.0

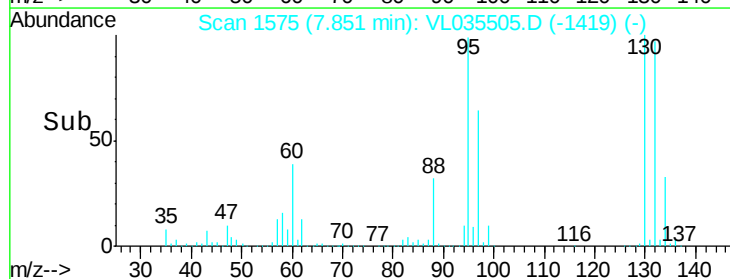
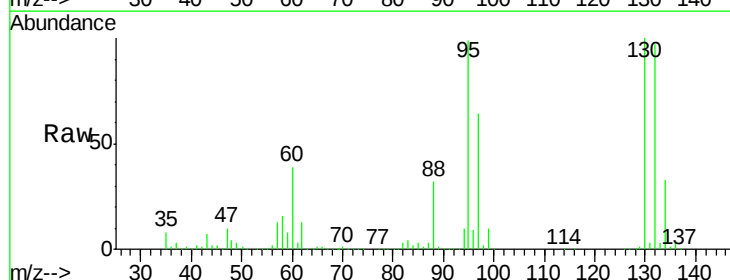
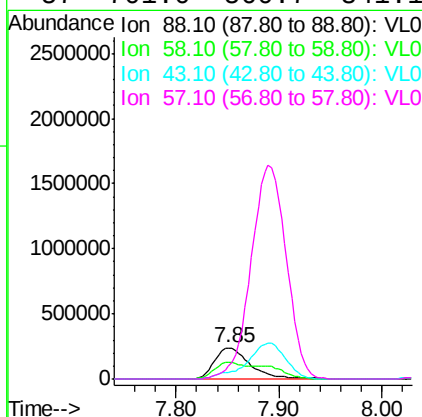
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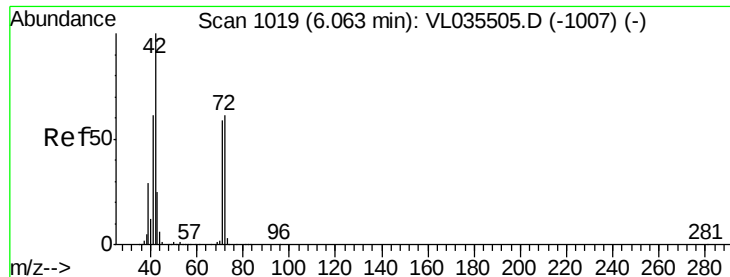
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#40
 1,4-Dioxane
 Concen: 10.772 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.9	68.7	103.1
43	131.2	104.3	156.5
57	701.0	560.7	841.1





#41

Tetrahydrofuran

Concen: 10.403 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

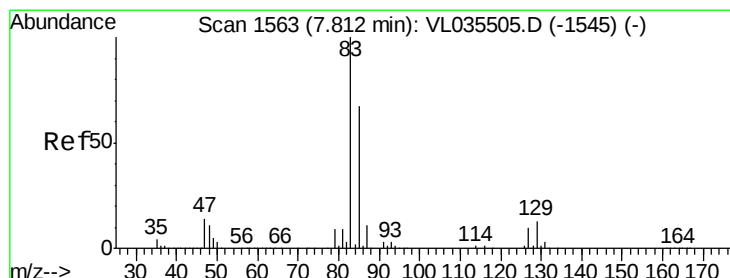
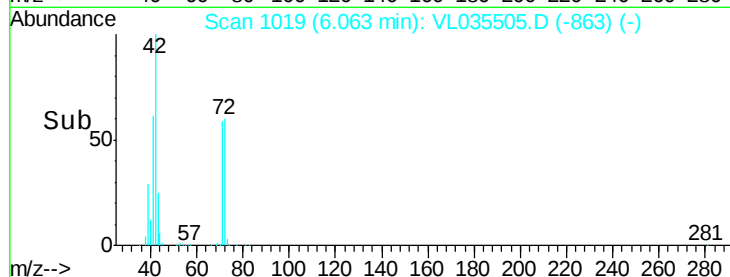
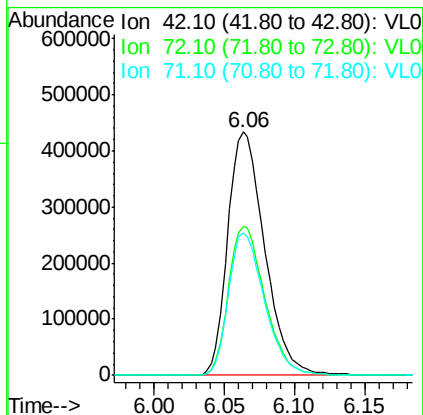
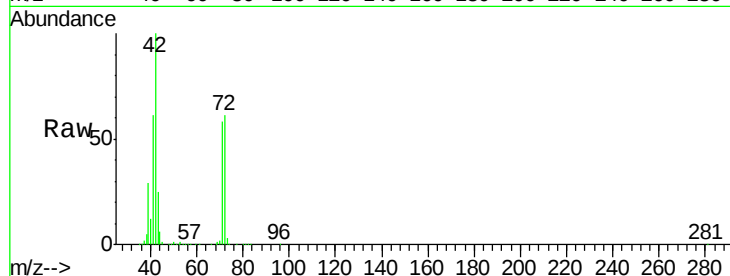
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	794168
Ion Ratio	Lower	Upper	
42	100		
72	60.8	48.6	73.0
71	57.6	46.1	69.1

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#42

Bromodichloromethane

Concen: 10.248 ppbv

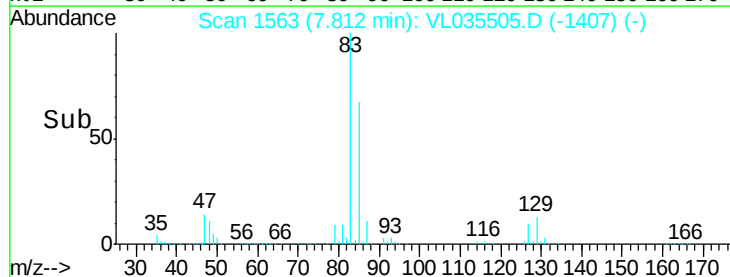
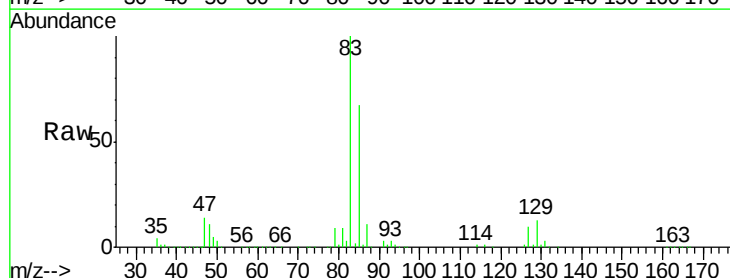
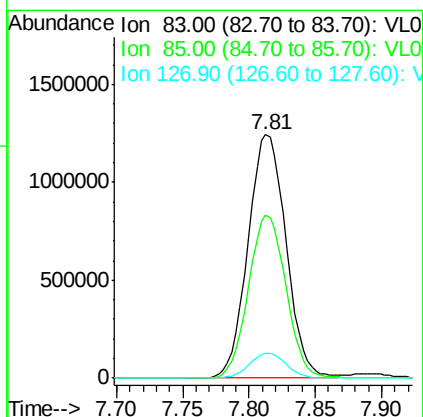
RT: 7.81 min Scan# 1563

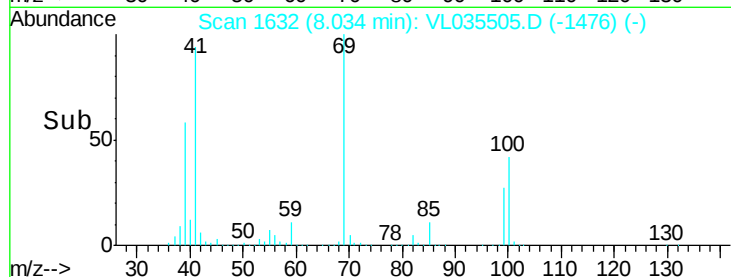
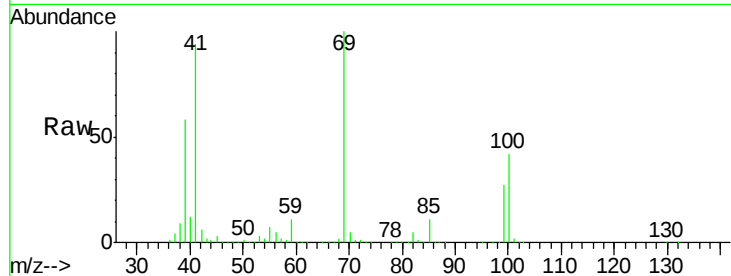
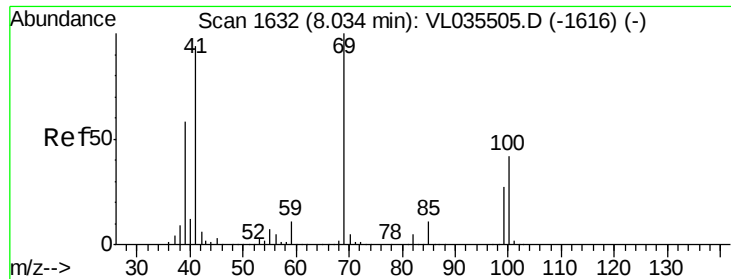
Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Tgt Ion:	83	Resp:	2484612
Ion Ratio	Lower	Upper	
83	100		
85	67.1	53.7	80.5
127	10.1	8.1	12.1





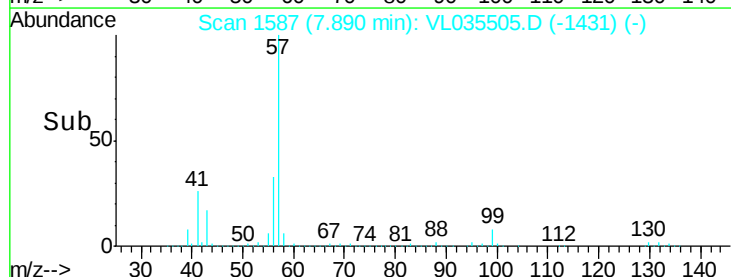
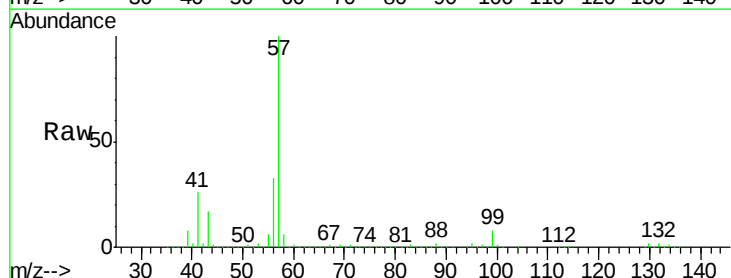
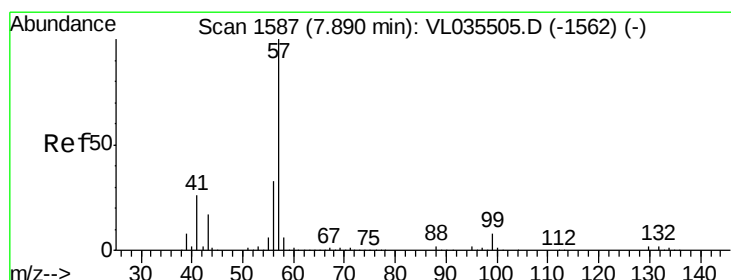
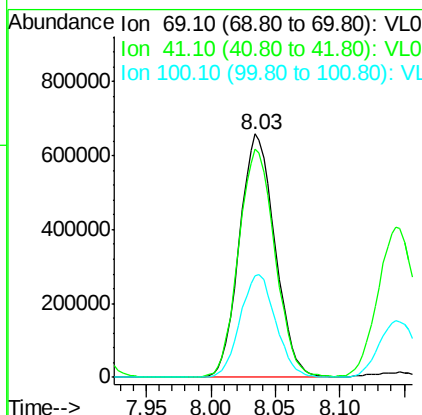
#43
Methvl Methacrilate
Concen: 10.428 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tot Ion: 69 Resp: 1266004
Ion Ratio Lower Upper
69 100
41 95.8 76.6 114.8
100 42.2 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

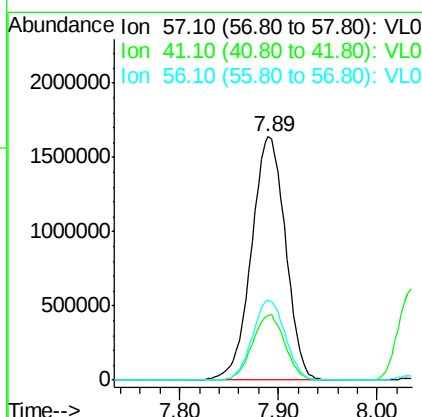
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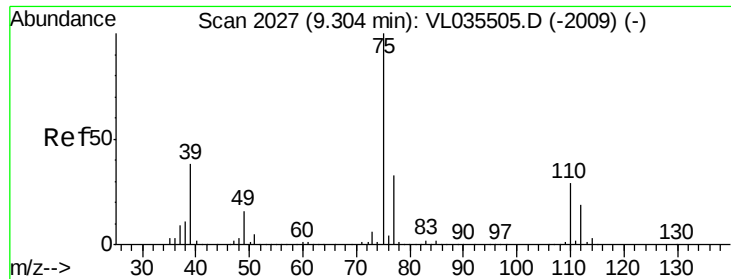
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#44
2,2,4-Trimethylpentane
Concen: 9.496 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion: 57 Resp: 3899942
Ion Ratio Lower Upper
57 100
41 25.7 20.5 30.7
56 31.6 25.3 37.9





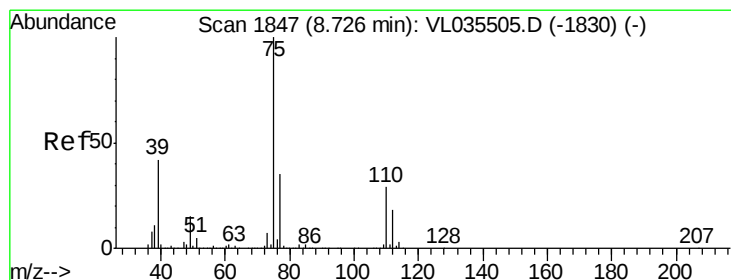
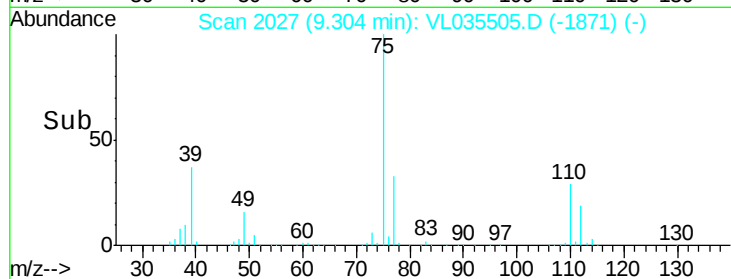
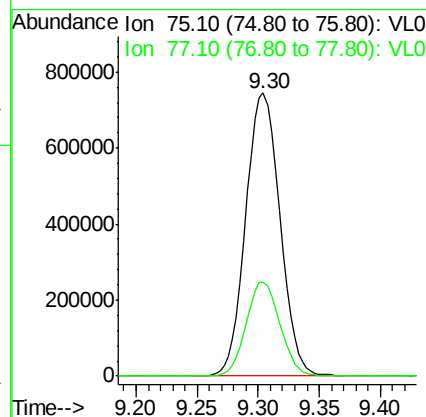
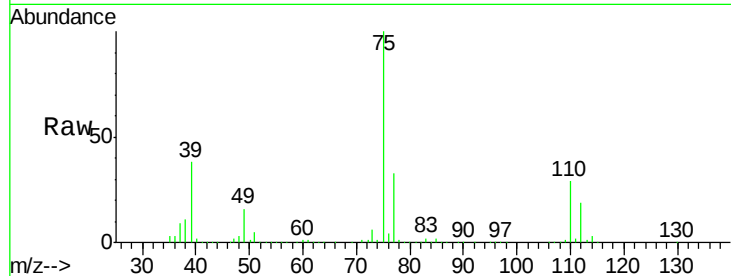
#45
t-1,3-Dichloropropene
Concen: 11.620 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1443079
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7

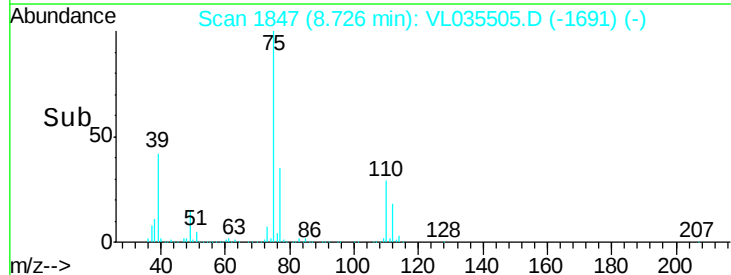
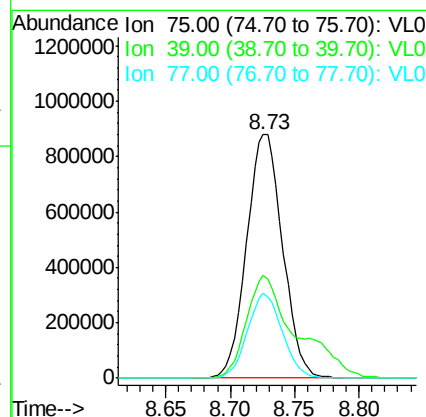
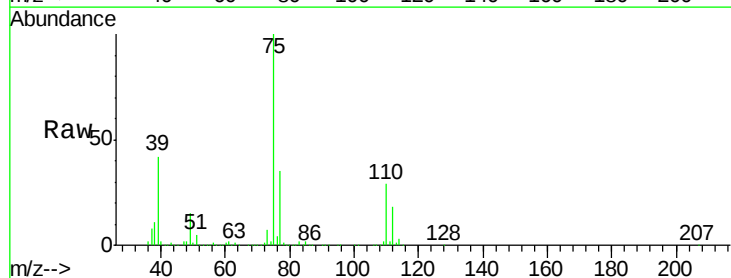
Manual Integrations
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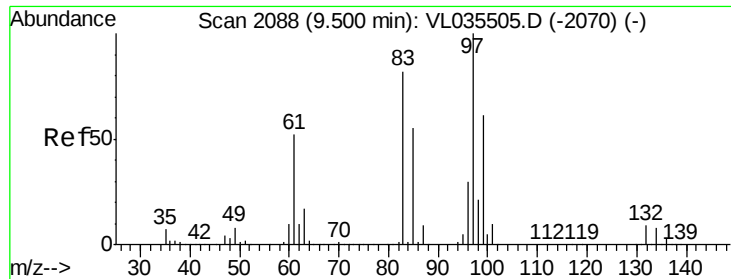
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.091 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion: 75 Resp: 1707066
Ion Ratio Lower Upper
75 100
39 42.1 33.7 50.5
77 34.7 27.8 41.6





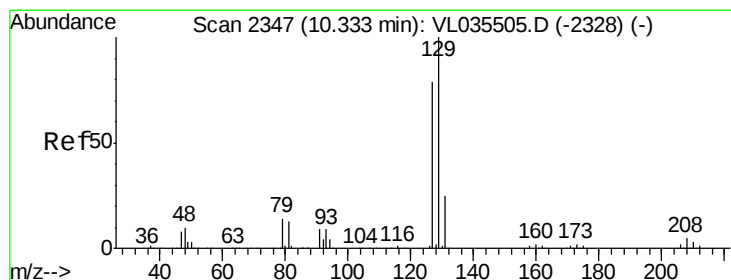
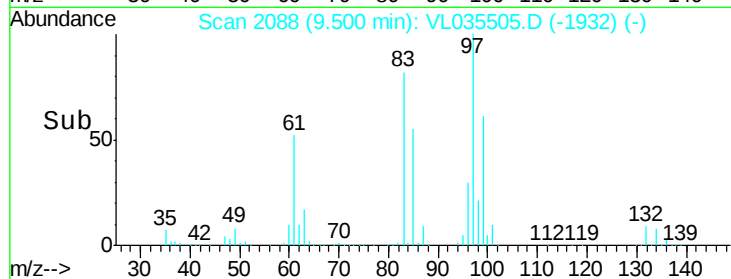
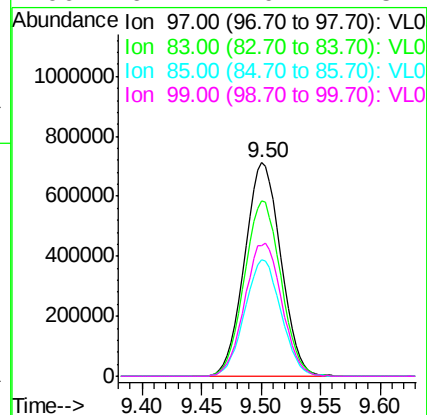
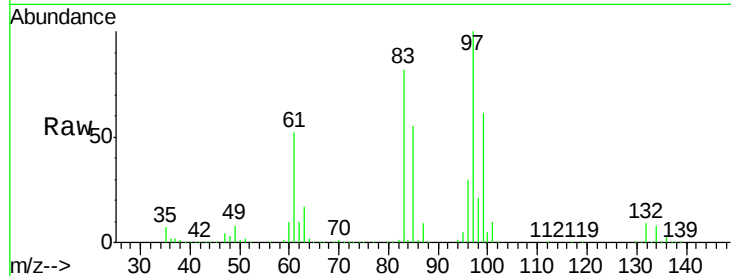
#47
 1,1,2-Trichloroethane
 Concen: 9.601 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	81.8	65.4	98.2	
85	54.6	43.7	65.5	
99	61.4	49.1	73.7	

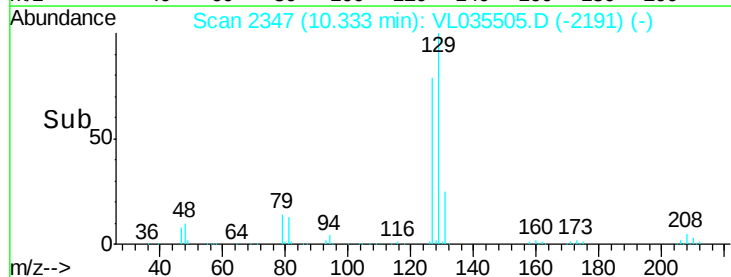
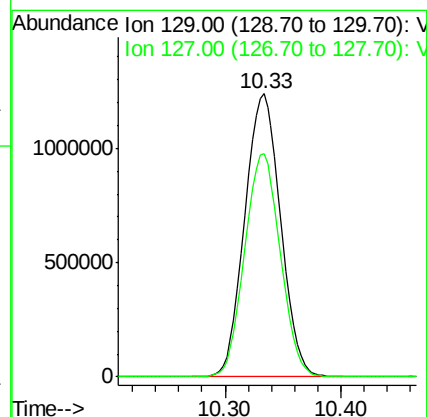
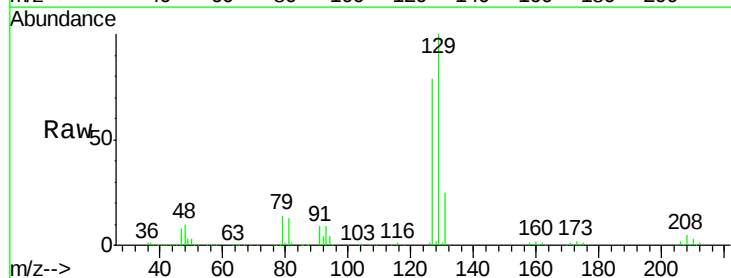
Manual Integrations
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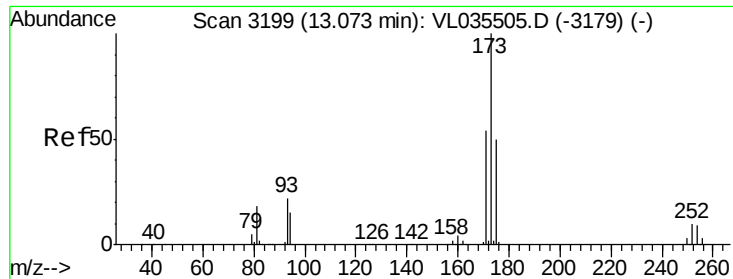
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.704 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.3	117.8	





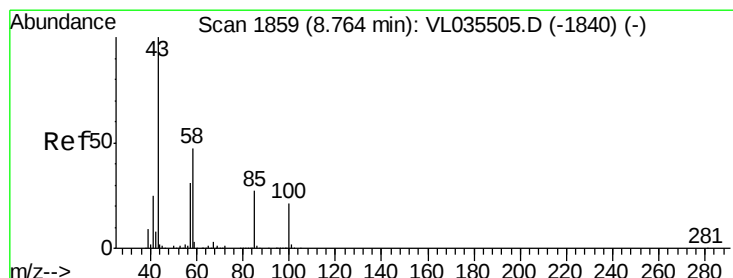
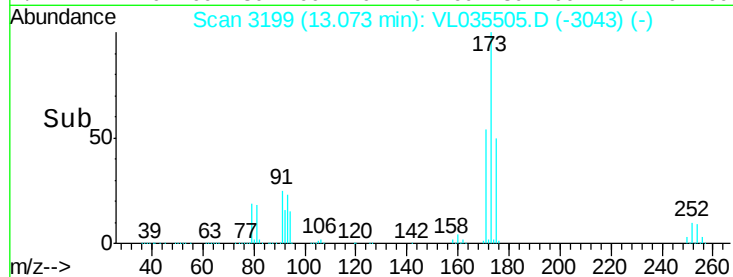
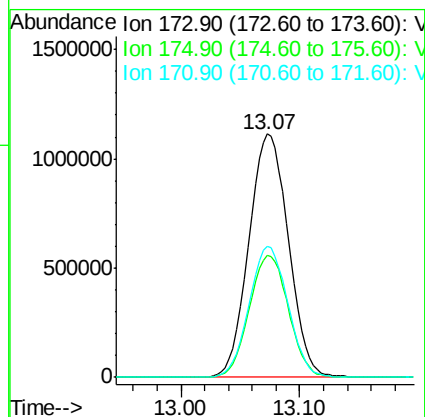
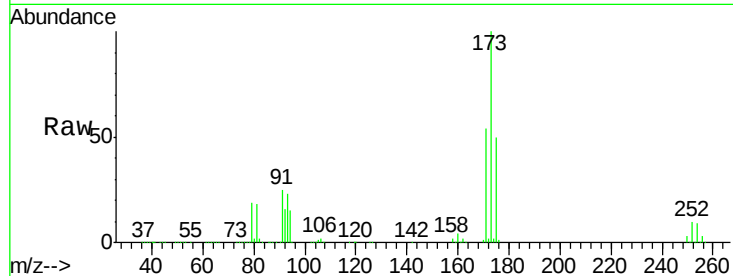
#49
Bromoform
Concen: 11.097 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.8	59.8
171	53.0	42.4	63.6

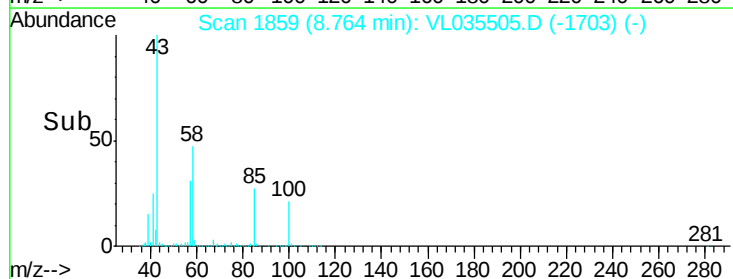
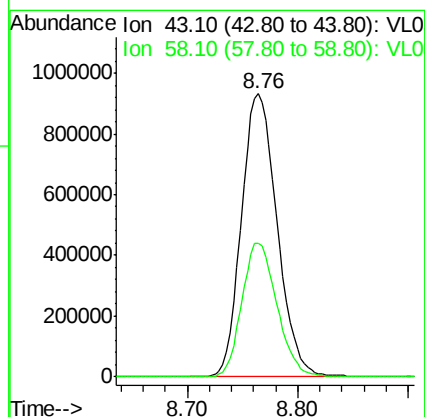
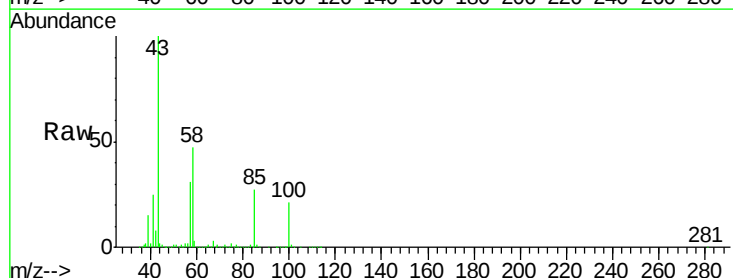
Manual Integrations
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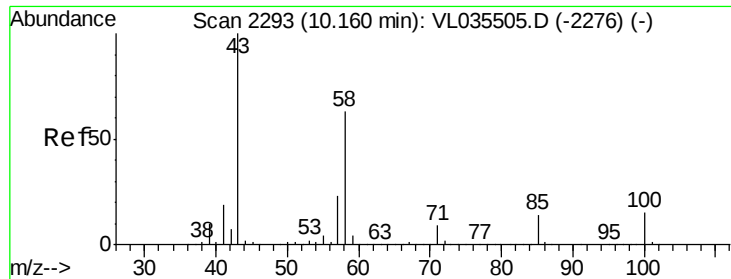
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#50
4-Methyl-2-Pentanone
Concen: 10.291 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.6	37.4	56.0





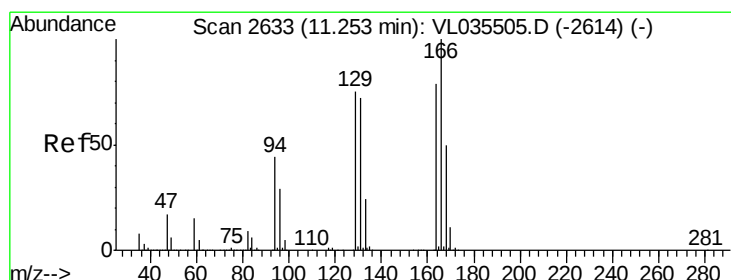
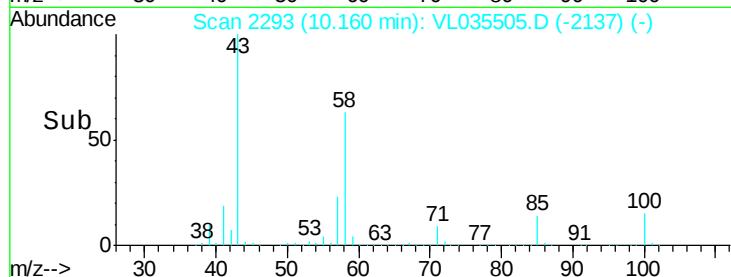
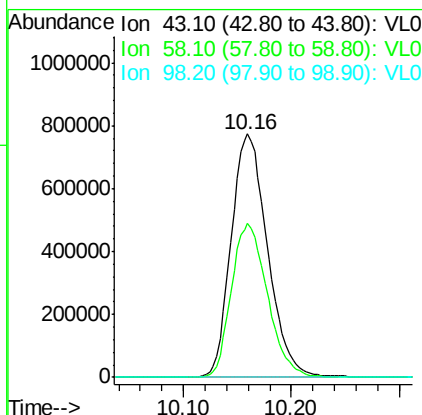
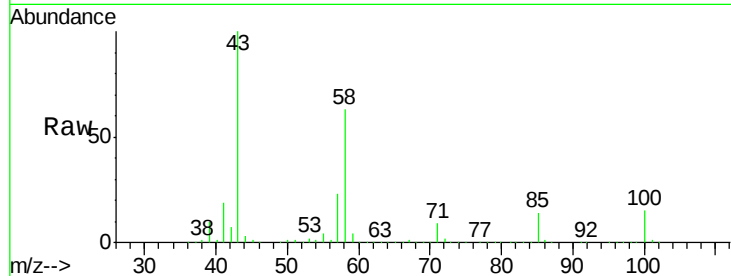
#51
2-Hexanone
Concen: 10.914 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1815643
Ion Ratio Lower Upper
43 100
58 62.8 50.2 75.4
98 0.5 0.4 0.6

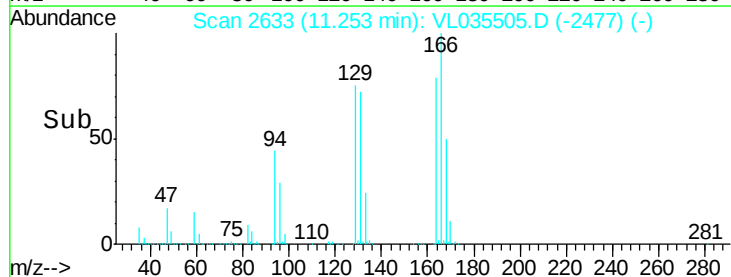
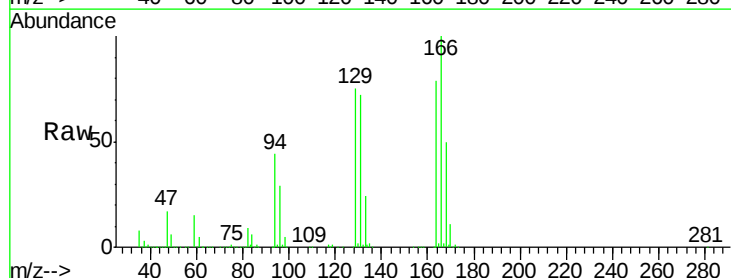
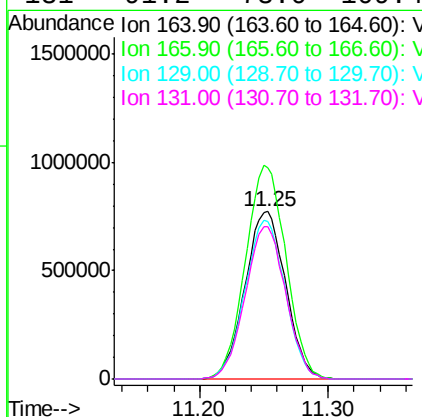
Manual Integrations
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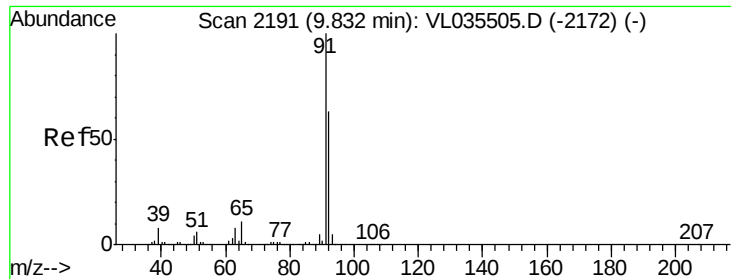
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#52
Tetrachloroethene
Concen: 9.340 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion: 164 Resp: 1699866
Ion Ratio Lower Upper
164 100
166 126.1 100.9 151.3
129 94.1 75.3 112.9
131 91.2 73.0 109.4





#53

Toluene

Concen: 9.853 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3909244

Ion Ratio Lower Upper

91 100

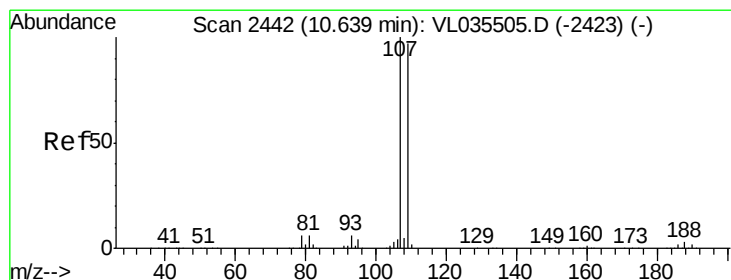
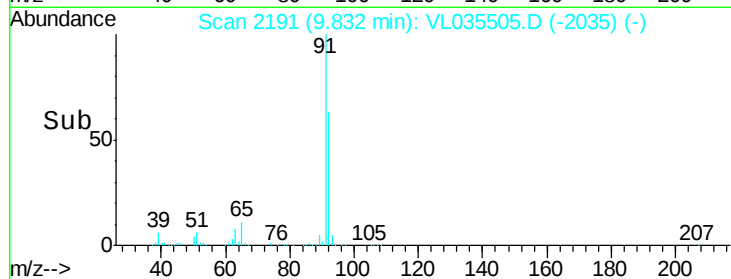
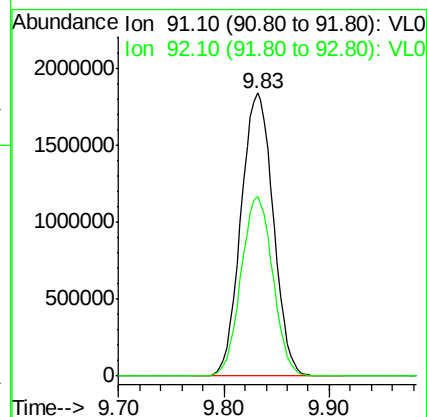
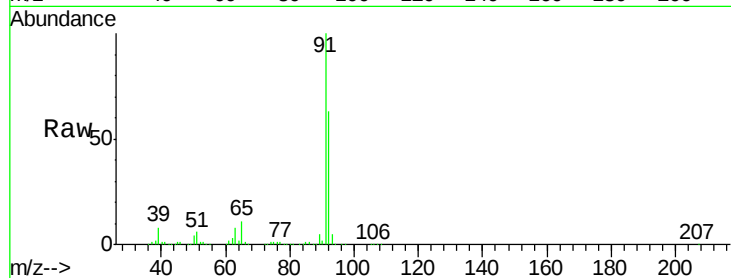
92 62.3 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 9.726 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL035505.D

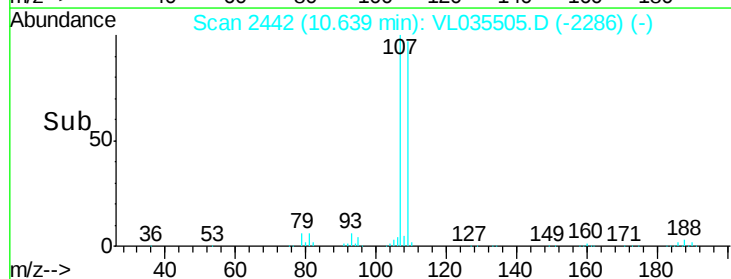
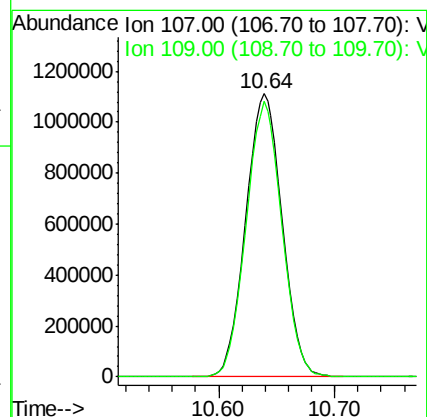
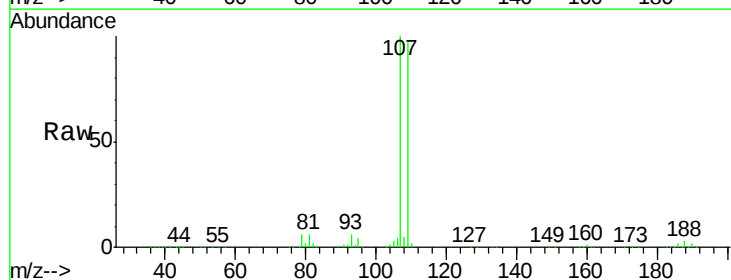
Acq: 27 Aug 2020 2:10

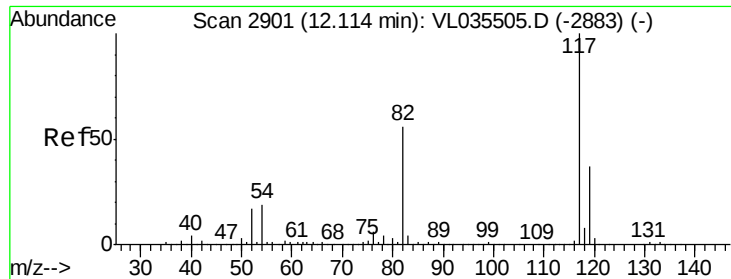
Tgt Ion: 107 Resp: 2422223

Ion Ratio Lower Upper

107 100

109 97.3 77.8 116.8





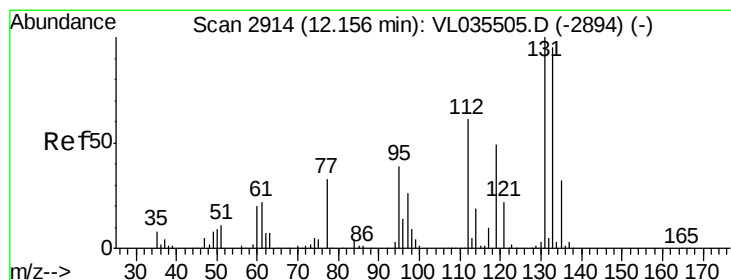
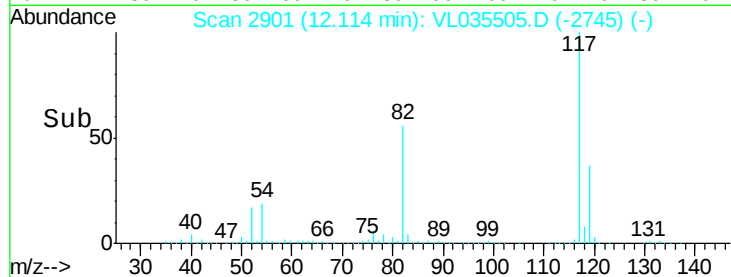
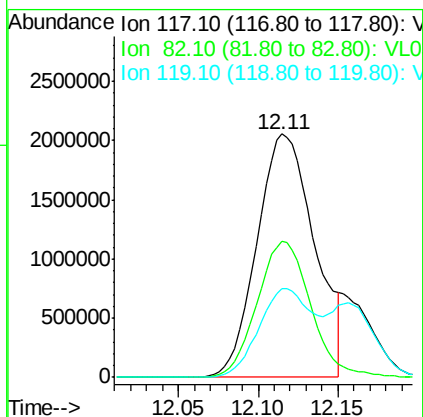
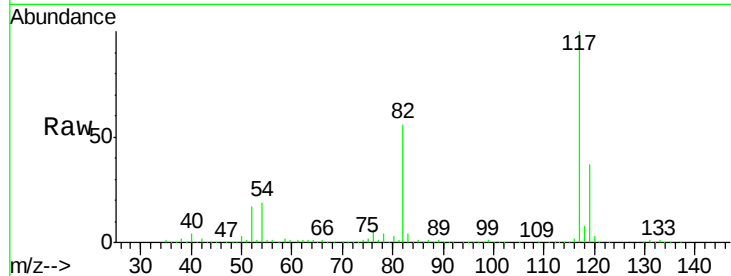
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 5123509
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 32.7 29.3 43.9

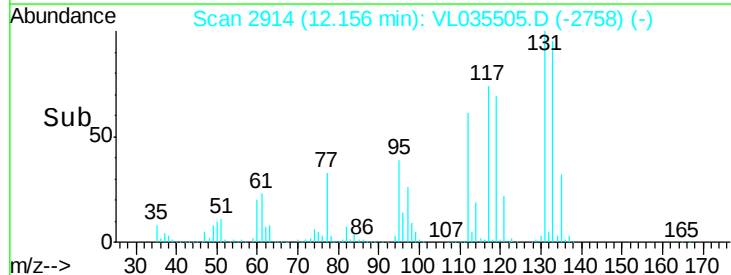
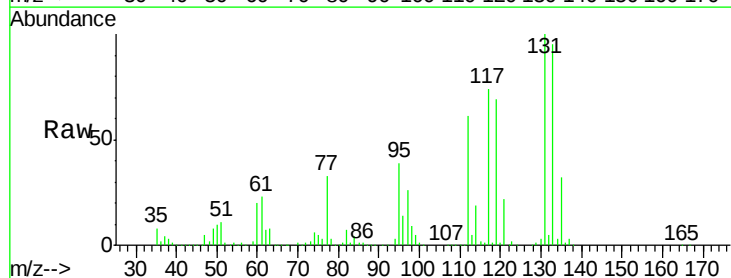
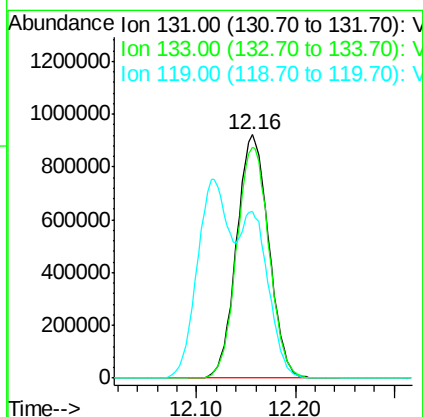
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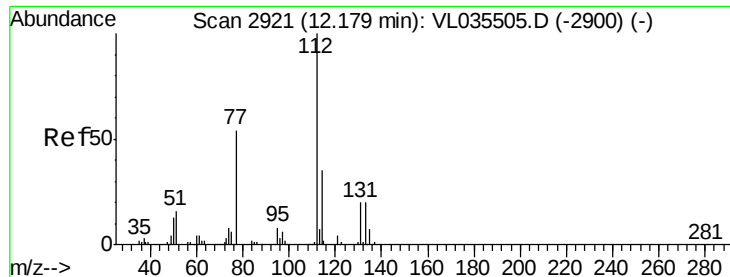
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.719 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion:131 Resp: 2079375
Ion Ratio Lower Upper
131 100
133 95.7 76.6 115.0
119 59.6 51.6 77.4





#57

Chlorobenzene

Concen: 8.903 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 3392555

Ion Ratio Lower Upper

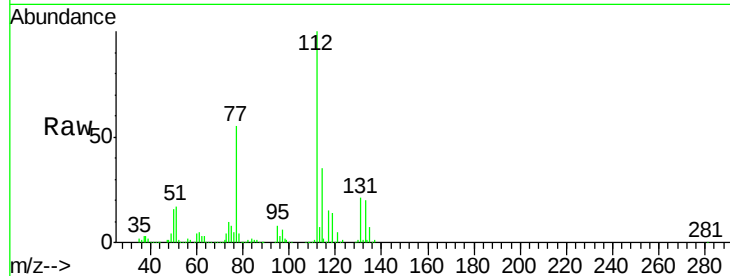
112 100

77 55.3 44.2 66.4

114 35.1 31.6 38.6

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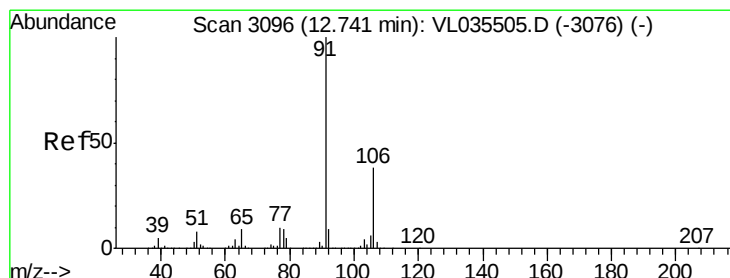
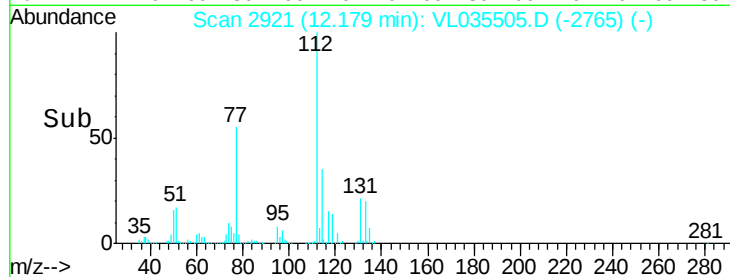
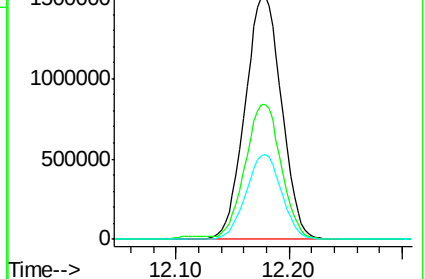
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.394 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VL035505.D

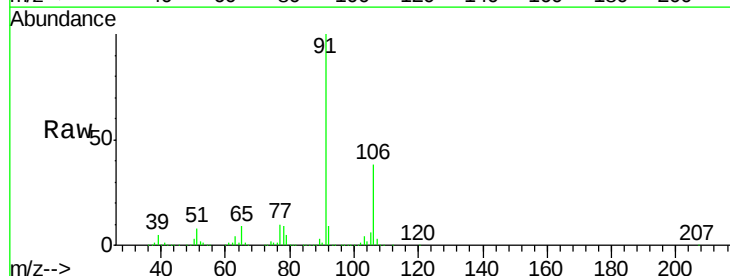
Acq: 27 Aug 2020 2:10

Tgt Ion: 91 Resp: 5098526

Ion Ratio Lower Upper

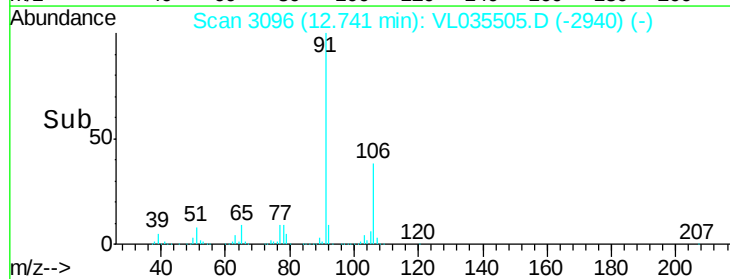
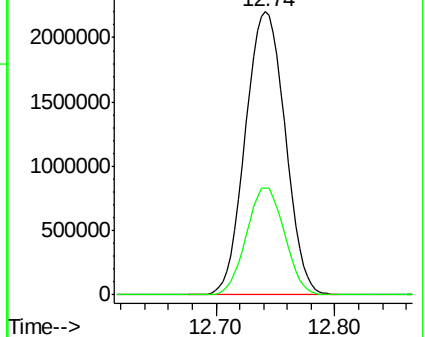
91 100

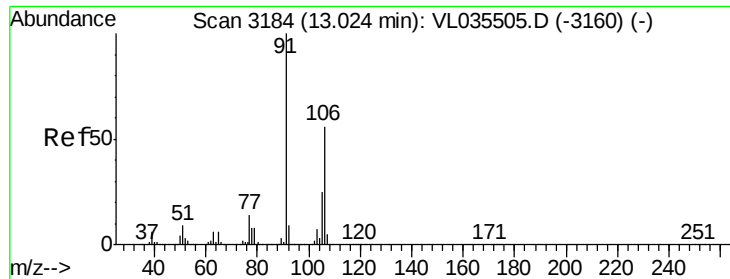
106 37.9 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





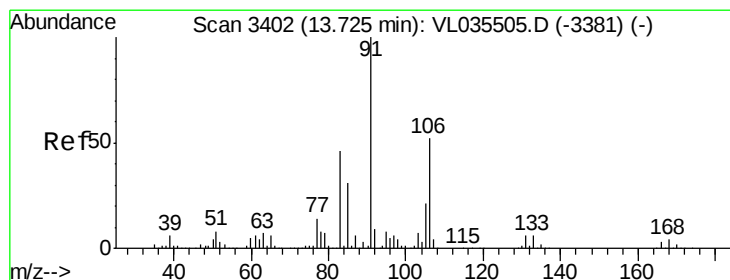
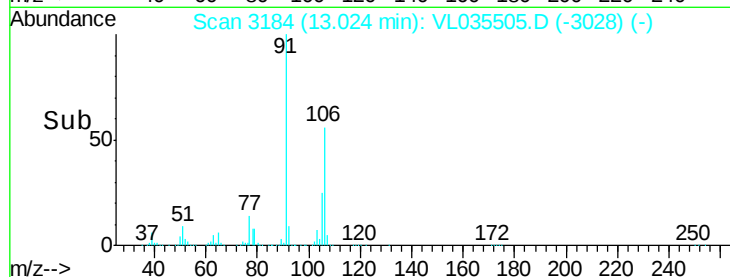
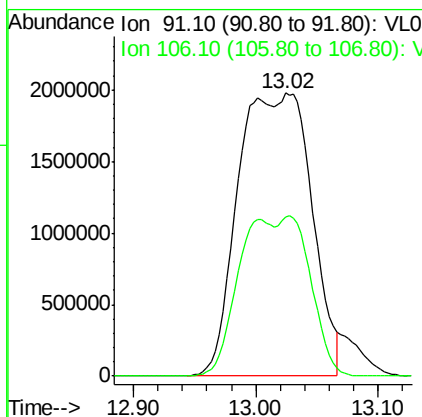
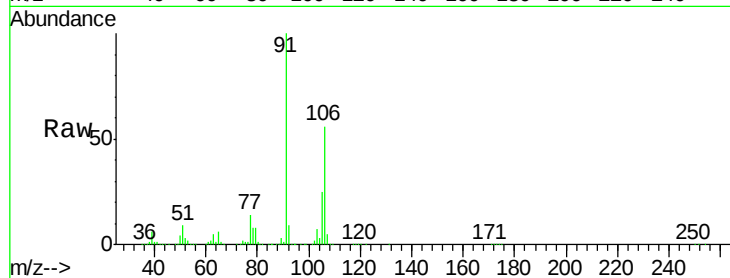
#59
m/p-Xylene
Concen: 17.852 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8235996
Ion Ratio Lower Upper
91 100
106 54.4 43.4 65.2

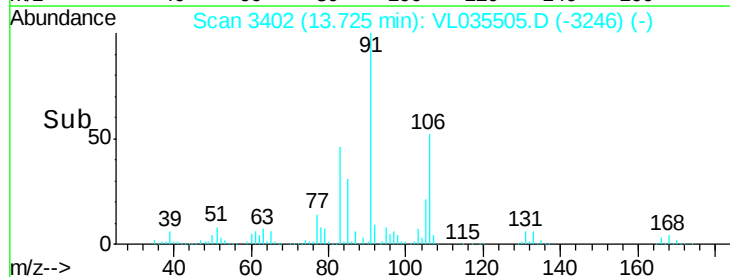
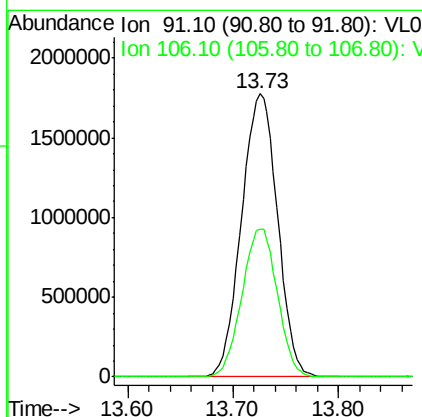
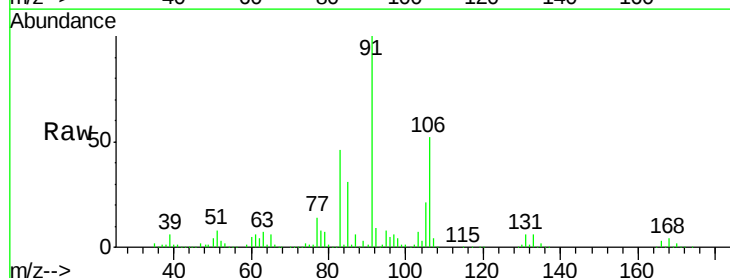
Manual Integrations
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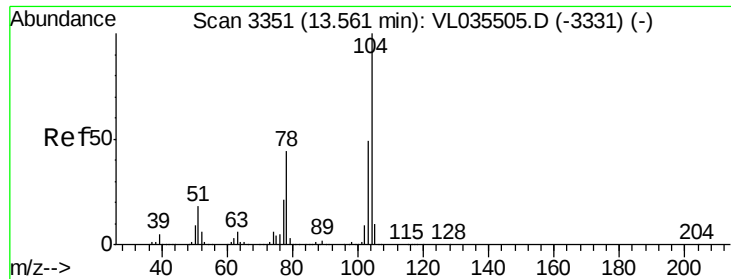
MMDadoda
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#60
o-Xylene
Concen: 9.285 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion: 91 Resp: 4219268
Ion Ratio Lower Upper
91 100
106 51.6 25.8 77.4





#61

Stvrene

Concen: 10.053 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 3518526

Ion Ratio Lower Upper

104 100

78 43.5 34.8 52.2

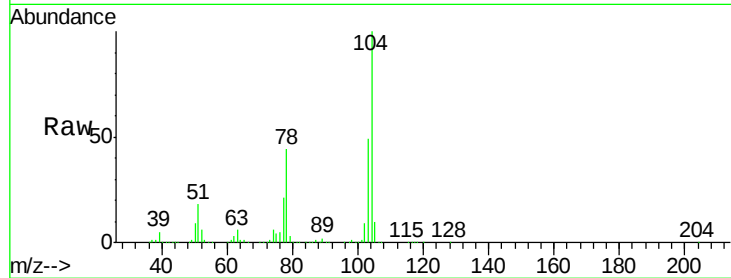
103 47.7 38.2 57.4

Manual Integrations

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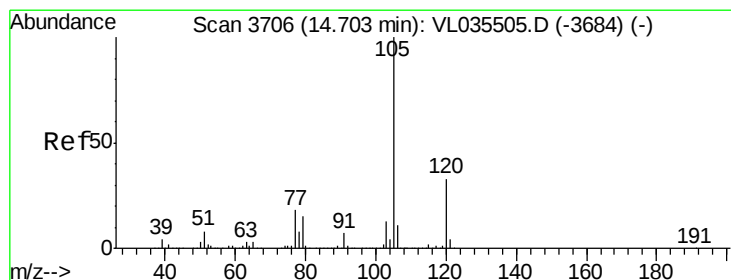
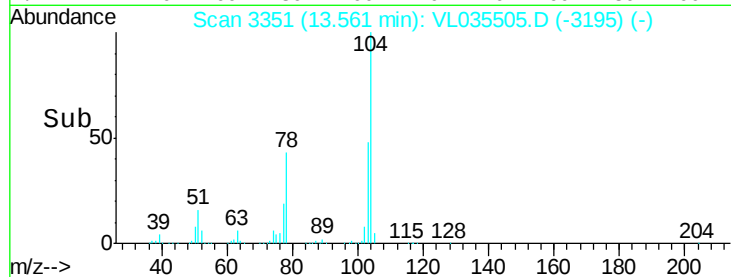
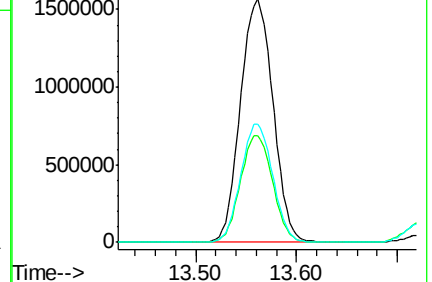
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.874 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035505.D

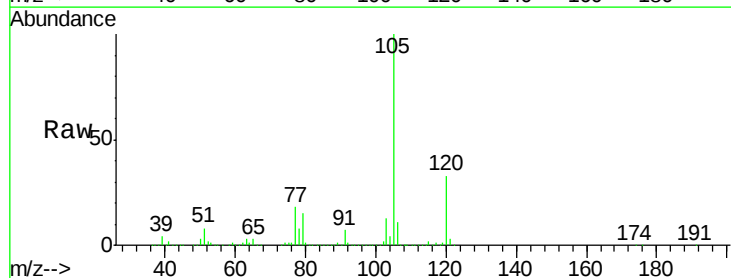
Acq: 27 Aug 2020 2:10

Tgt Ion:105 Resp: 6519491

Ion Ratio Lower Upper

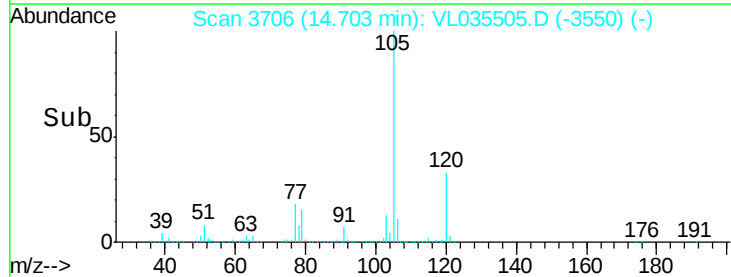
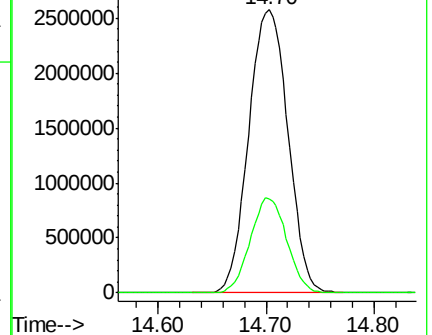
105 100

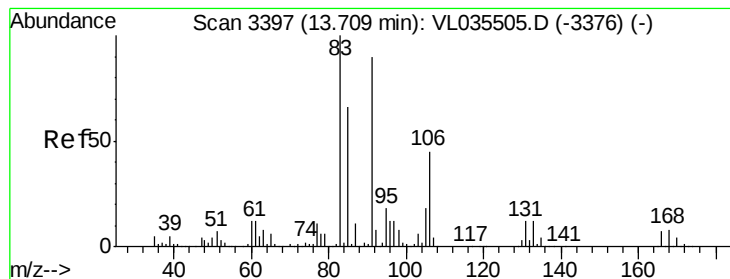
120 31.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.932 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2966680

Ion Ratio Lower Upper

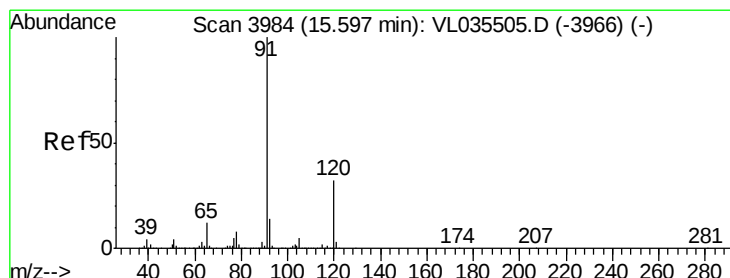
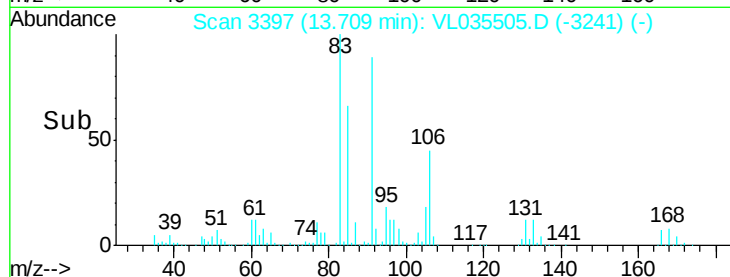
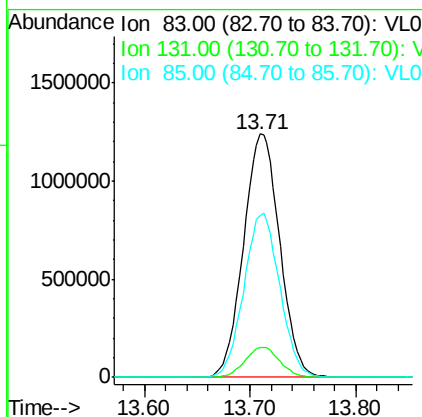
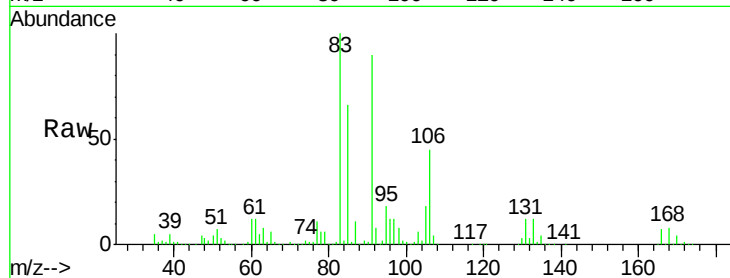
83 100

131 12.0 6.0 18.0

85 66.8 33.4 100.2

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#64

n-propylbenzene

Concen: 9.469 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL035505.D

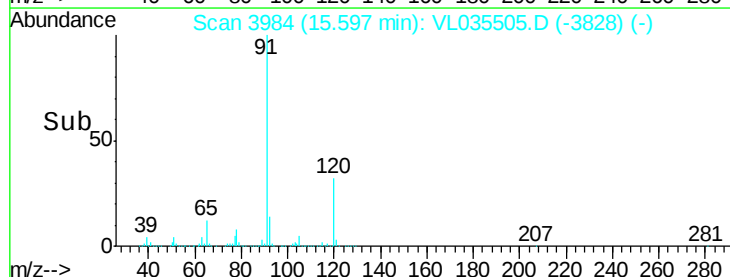
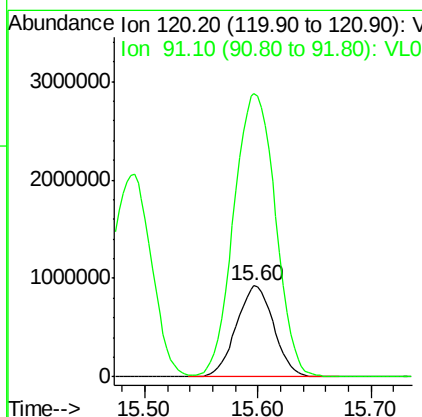
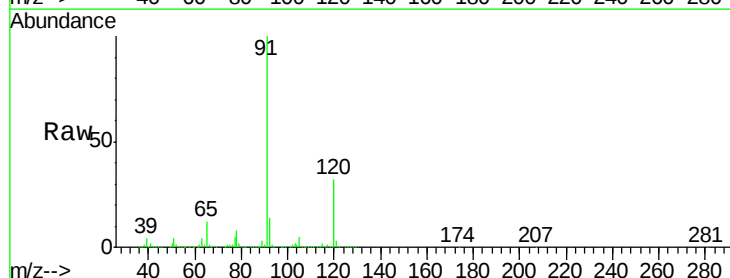
Acq: 27 Aug 2020 2:10

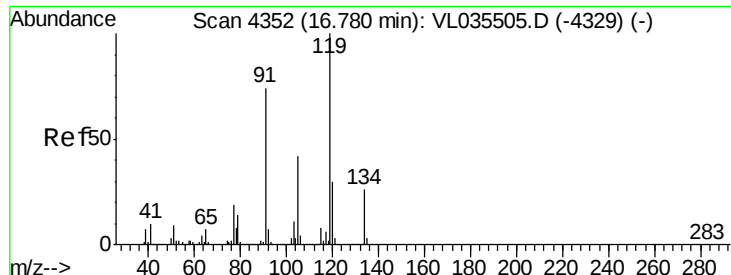
Tgt Ion: 120 Resp: 2116991

Ion Ratio Lower Upper

120 100

91 349.1 279.4 419.0





#65

tert-Butylbenzene

Concen: 8.910 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 6214735

Ion Ratio Lower Upper

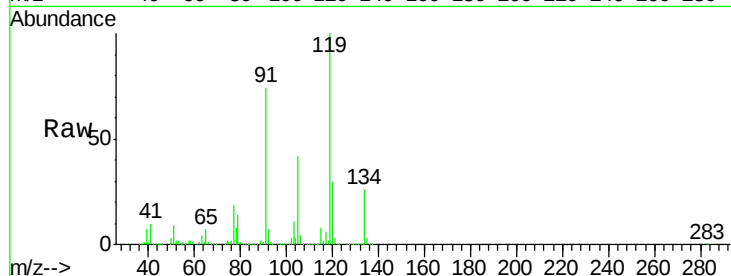
119 100

91 73.2 58.6 87.8

134 23.6 18.9 28.3

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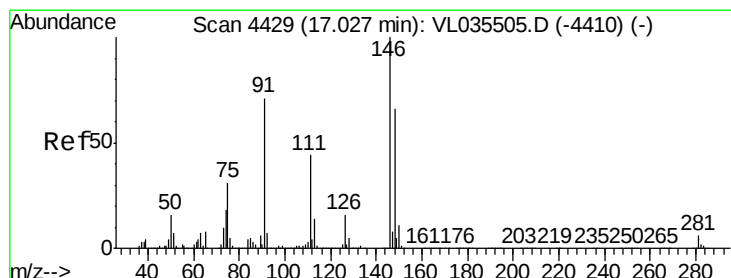
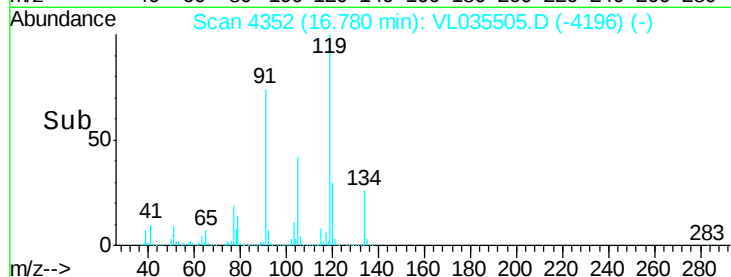
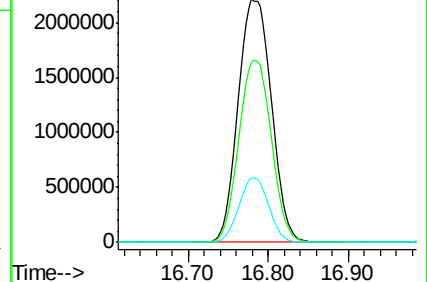
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.874 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

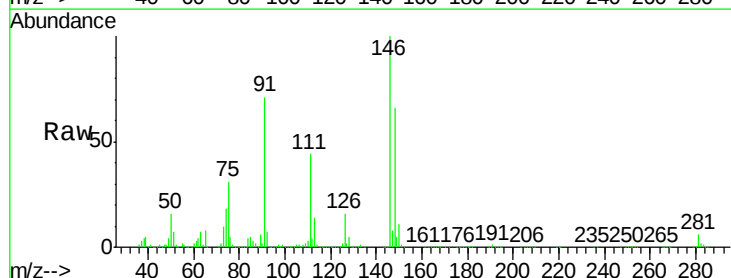
Tgt Ion: 91 Resp: 2184470

Ion Ratio Lower Upper

91 100

126 21.5 17.2 25.8

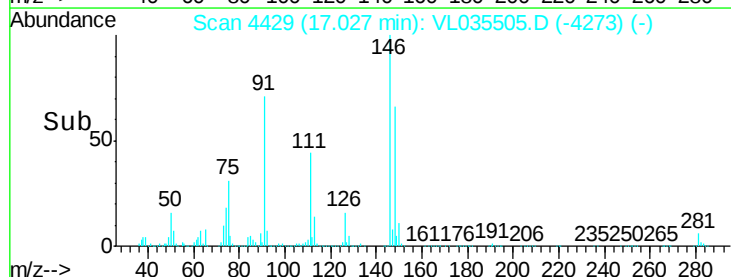
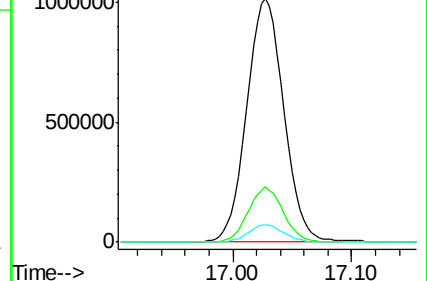
128 6.9 5.5 8.3

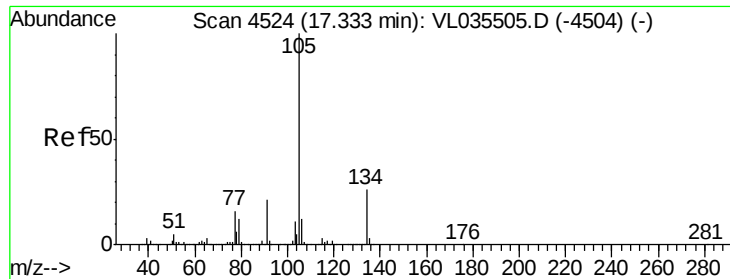


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.657 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 8029544

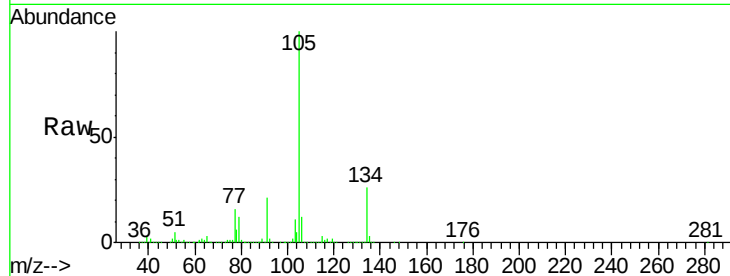
Ion Ratio Lower Upper

105 100

134 23.9 19.1 28.7

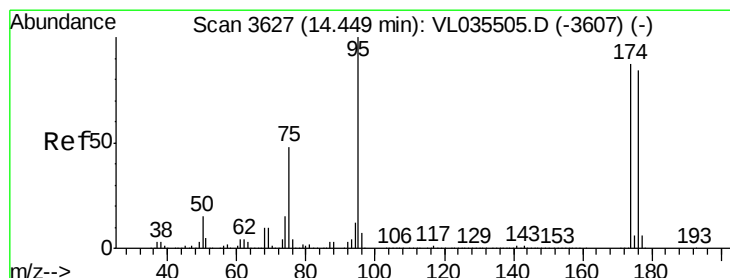
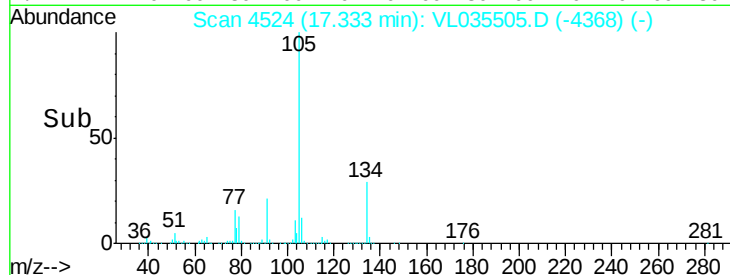
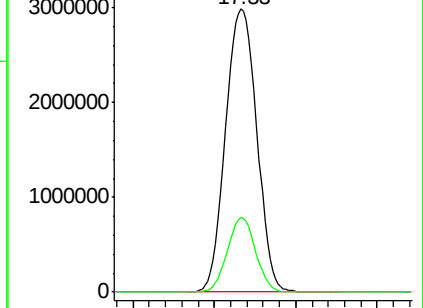
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.735 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

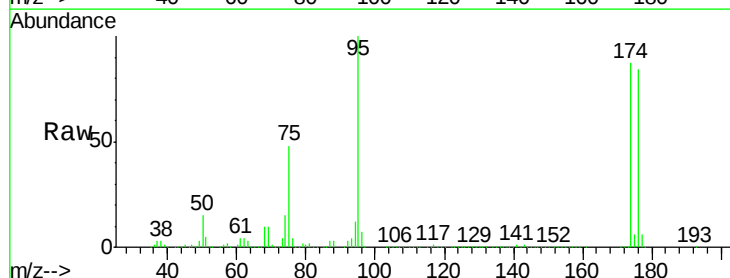
Tgt Ion: 95 Resp: 3535637

Ion Ratio Lower Upper

95 100

174 87.1 69.6 104.4

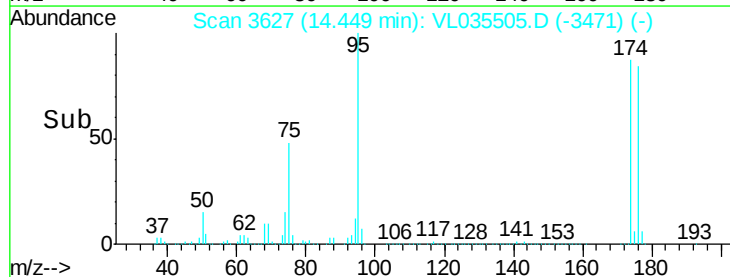
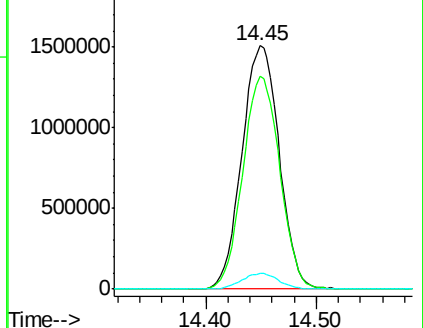
175 6.4 5.1 7.7

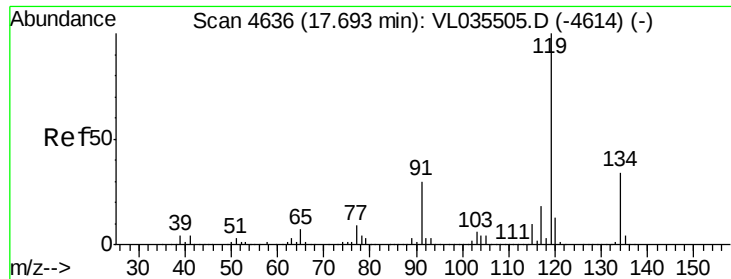


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





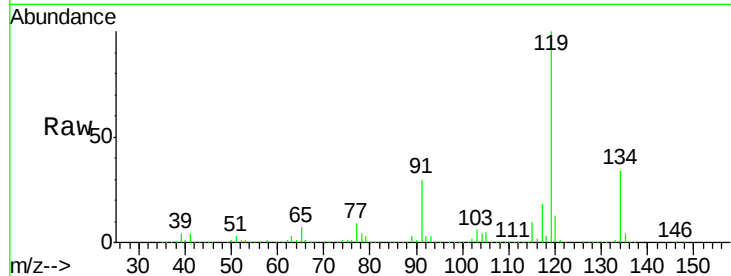
#69
 p-Isopropyltoluene
 Concen: 8.875 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

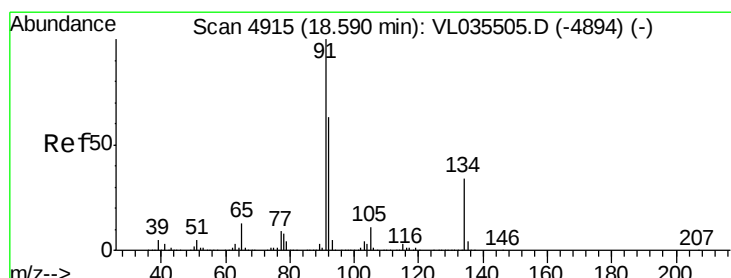
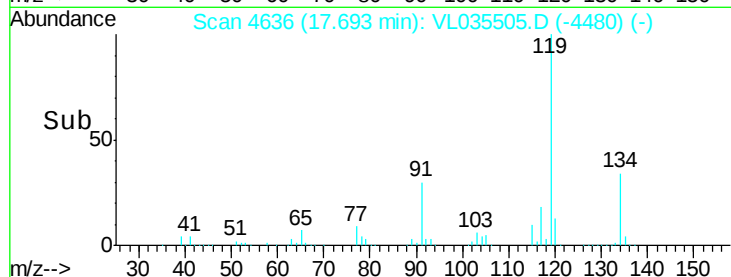
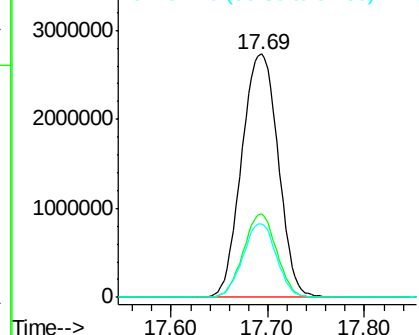
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.3	25.0	37.4
91	27.9	22.3	33.5

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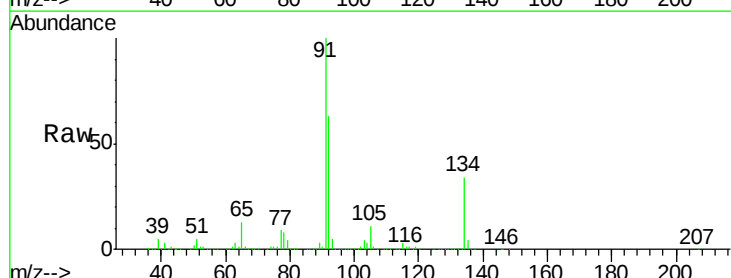


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

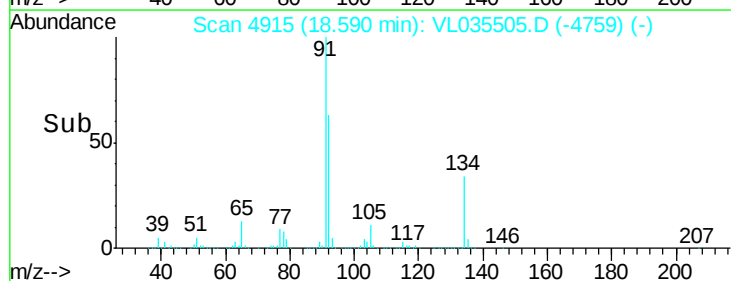
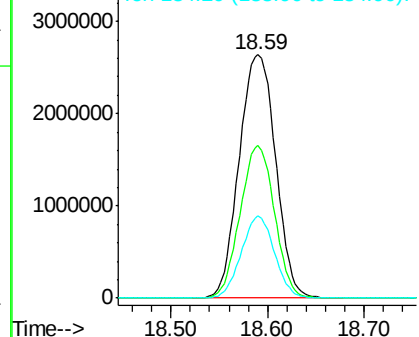


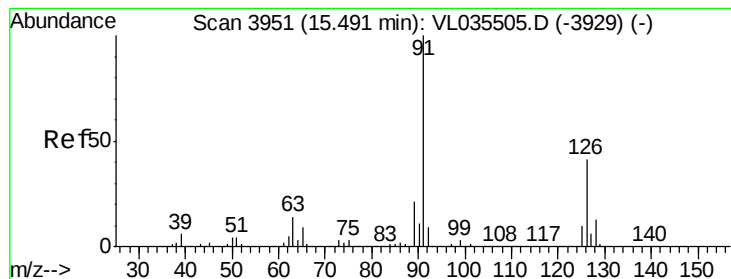
#70
 n-Butylbenzene
 Concen: 8.907 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.3	70.9
134	30.8	24.6	37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





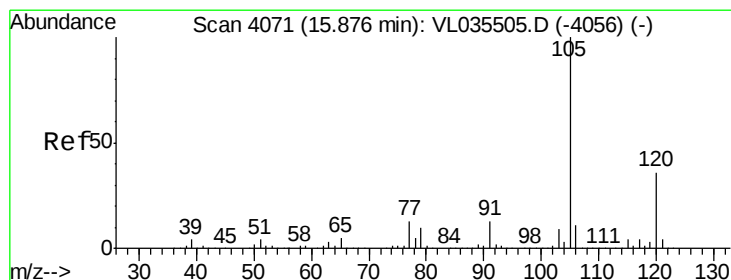
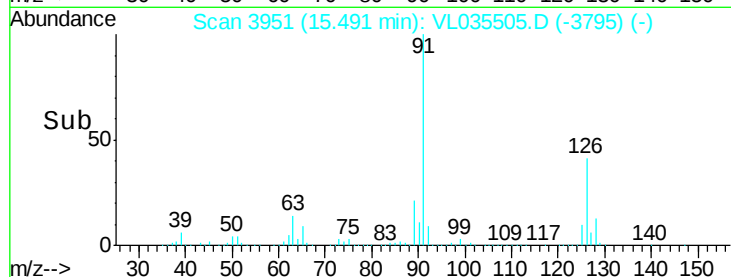
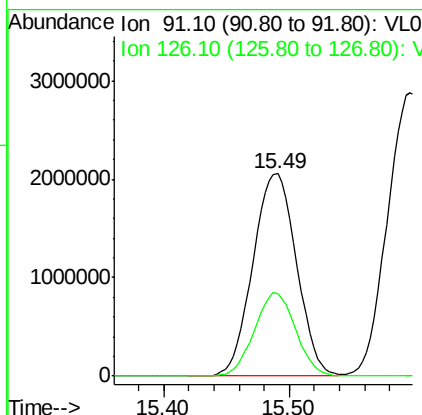
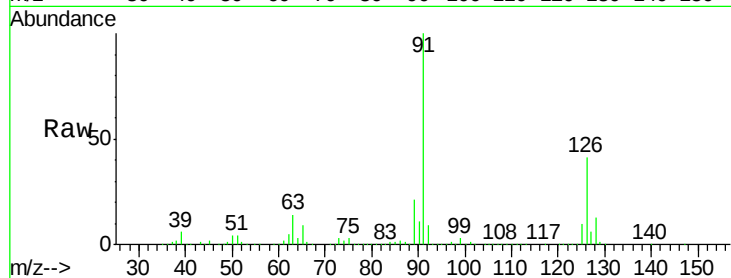
#71
 2-Chlorotoluene
 Concen: 9.342 ppbv
 RT: 15.49 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 4967408
 Ion Ratio Lower Upper
 91 100
 126 39.1 15.6 62.6

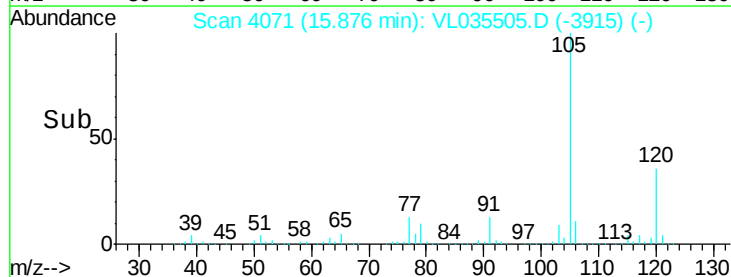
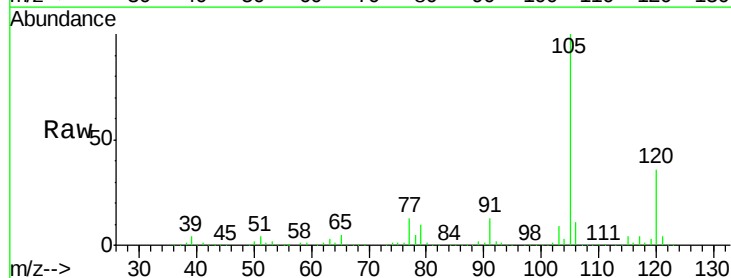
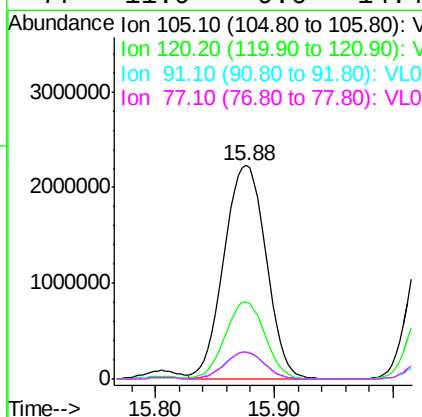
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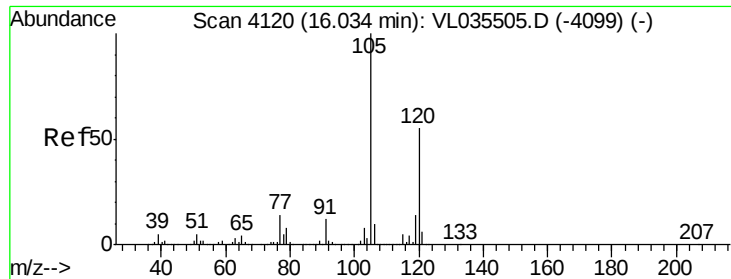
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#72
 4-Ethyltoluene
 Concen: 9.443 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion: 105 Resp: 5473410
 Ion Ratio Lower Upper
 105 100
 120 34.4 27.4 41.2
 91 12.1 9.7 14.5
 77 11.9 9.6 14.4





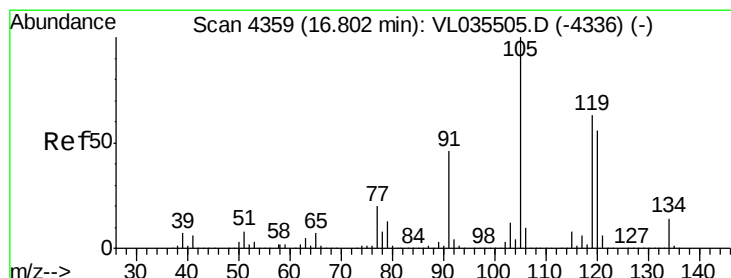
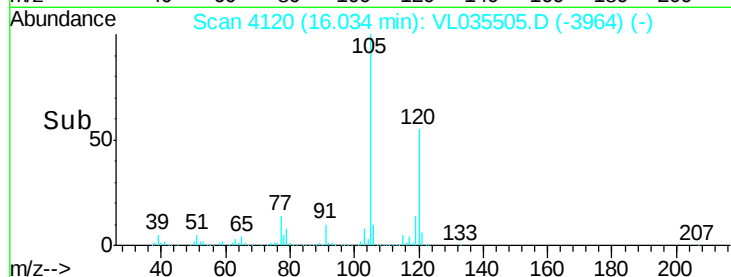
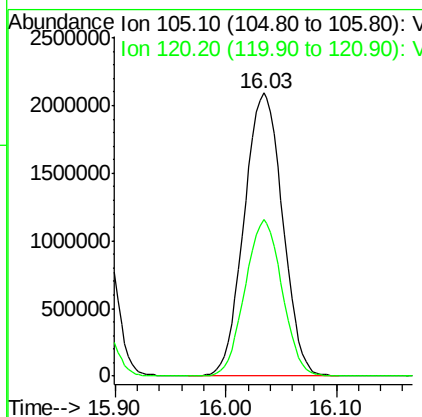
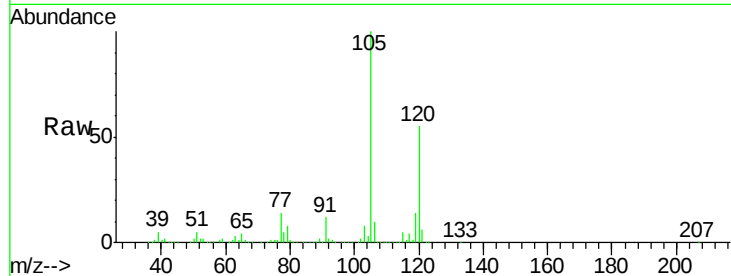
#73
 1,3,5-Trimethylbenzene
 Concen: 9.405 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 5042081
 Ion Ratio Lower Upper
 105 100
 120 55.2 44.2 66.2

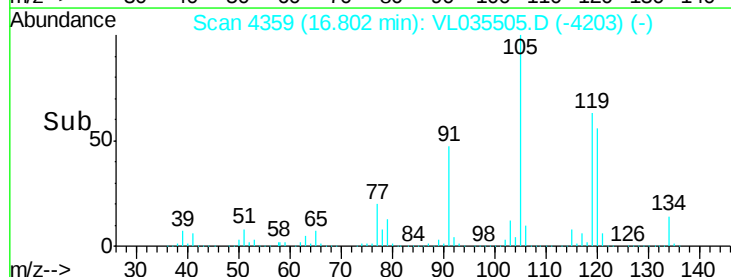
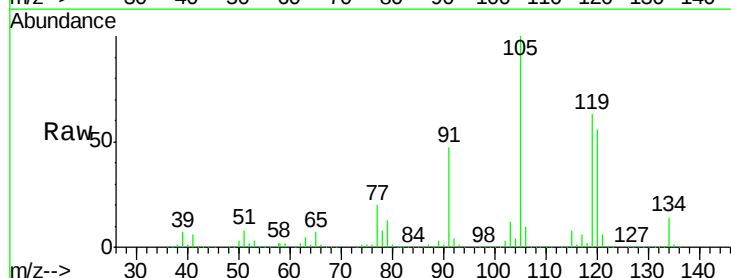
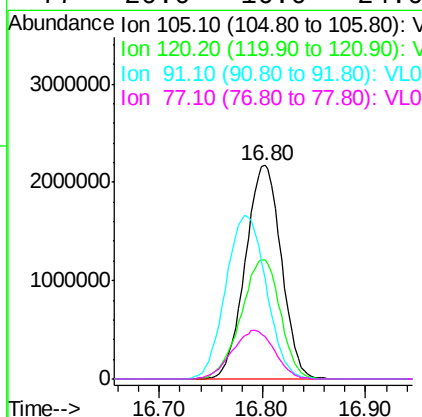
Manual Integrations
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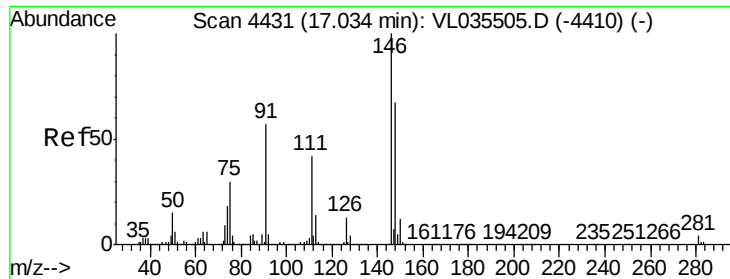
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.952 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion:105 Resp: 5264753
 Ion Ratio Lower Upper
 105 100
 120 55.5 44.4 66.6
 91 46.4 37.1 55.7
 77 20.0 16.0 24.0





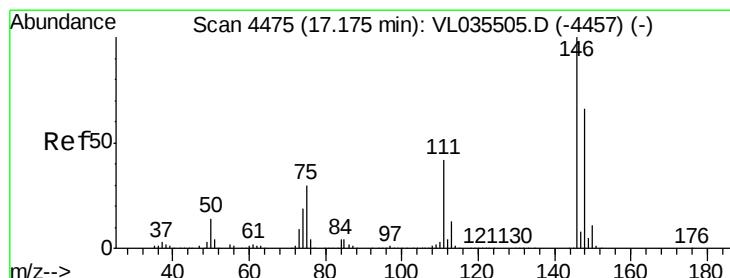
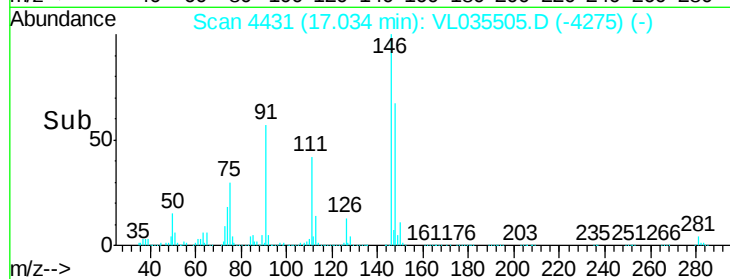
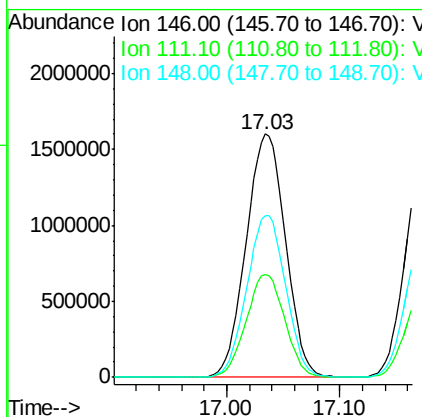
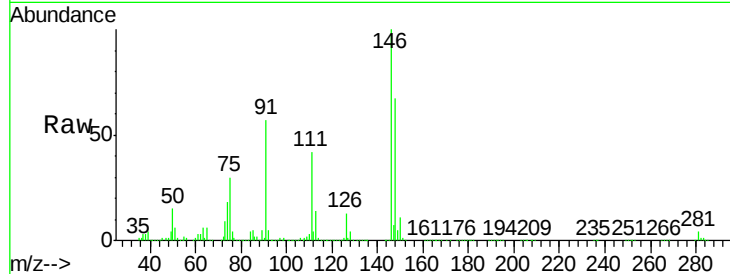
#75
 1,3-Dichlorobenzene
 Concen: 8.804 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	65.9	33.0	98.9

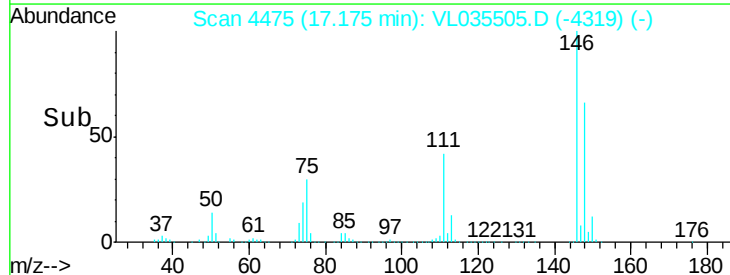
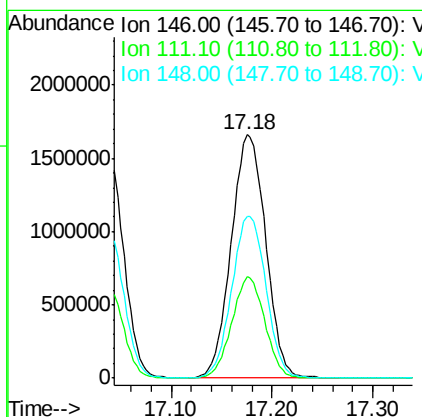
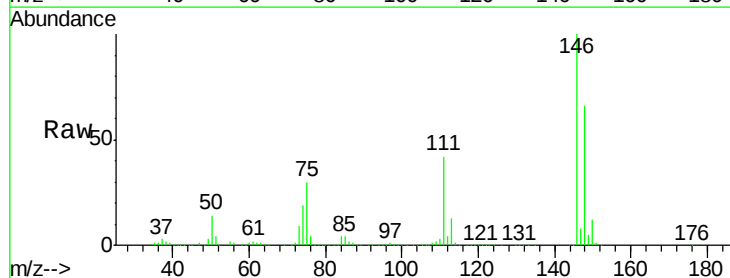
Manual Integrations
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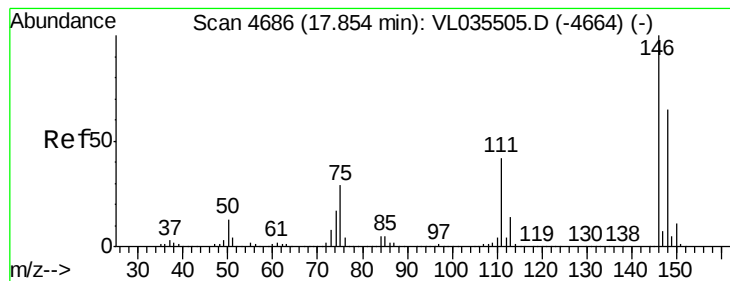
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#76
 1,4-Dichlorobenzene
 Concen: 8.930 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	66.4	33.2	99.6





#77

1,2-Dichlorobenzene

Concen: 8.783 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 3812543

Ion Ratio Lower Upper

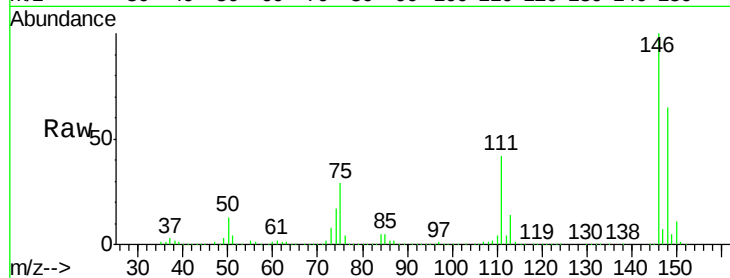
146 100

111 42.2 21.1 63.3

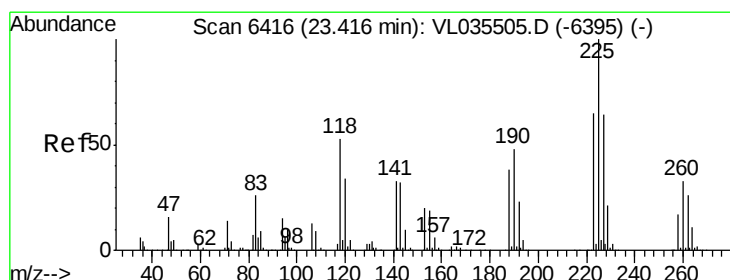
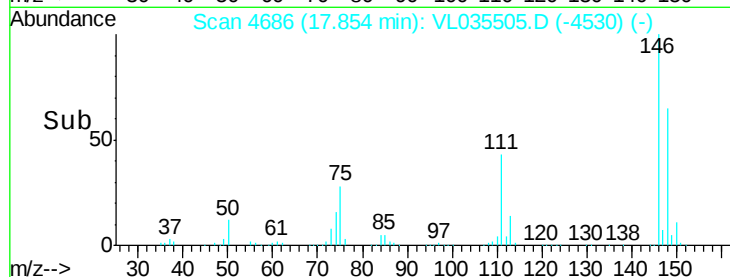
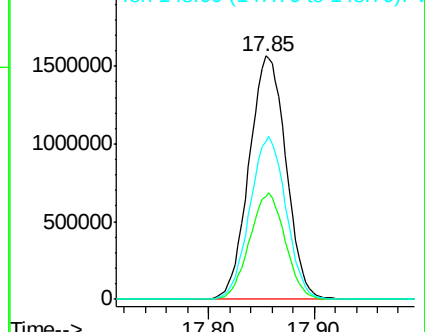
148 65.6 32.9 98.7

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.074 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.00 min

Lab File: VL035505.D

Acq: 27 Aug 2020 2:10

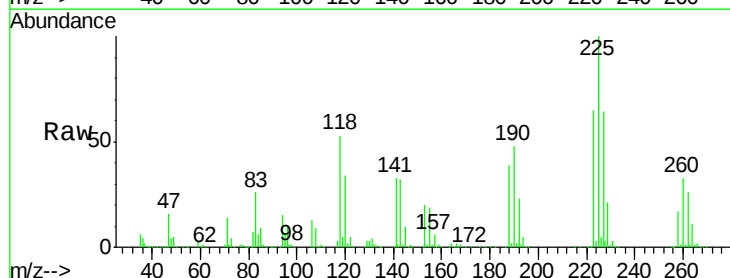
Tgt Ion:225 Resp: 2405866

Ion Ratio Lower Upper

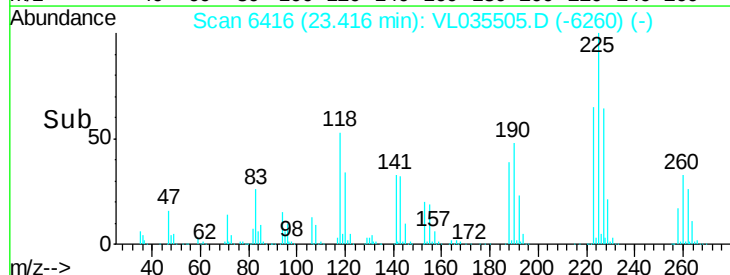
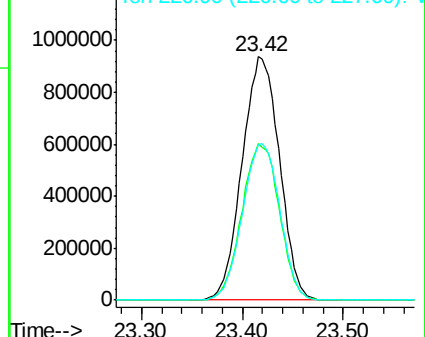
225 100

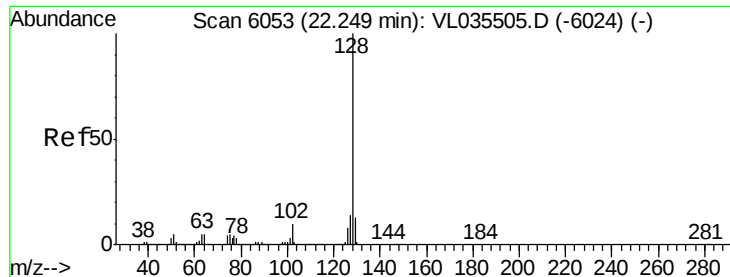
223 64.6 51.7 77.5

227 64.4 51.5 77.3



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





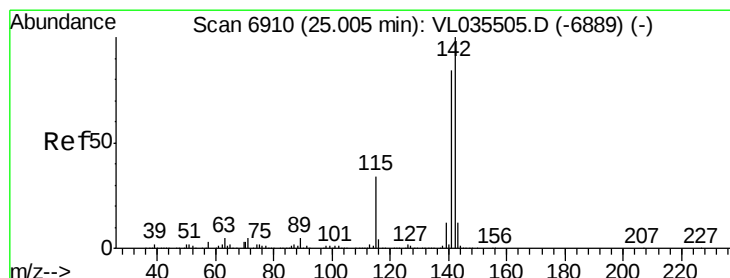
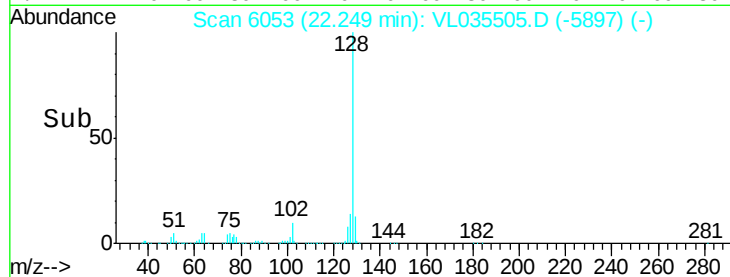
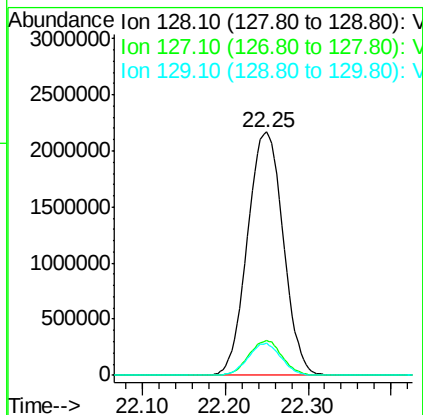
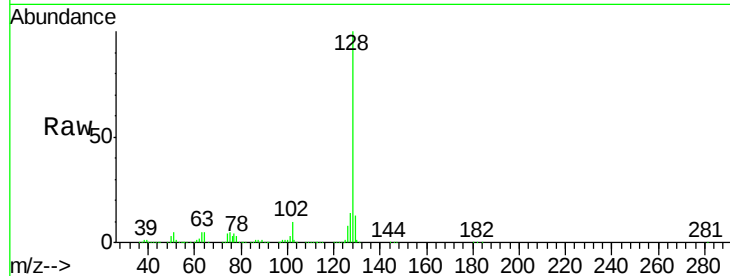
#79
Naphthalene
Concen: 8.879 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	11.4	17.2
129	13.1	10.5	15.7

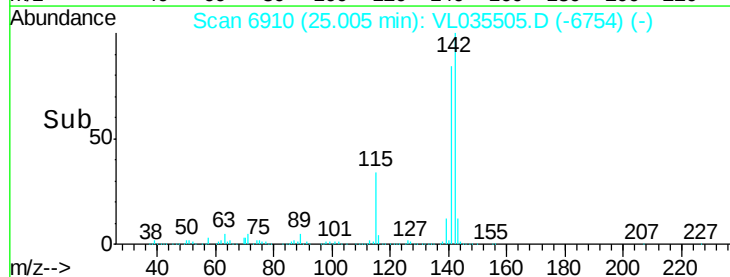
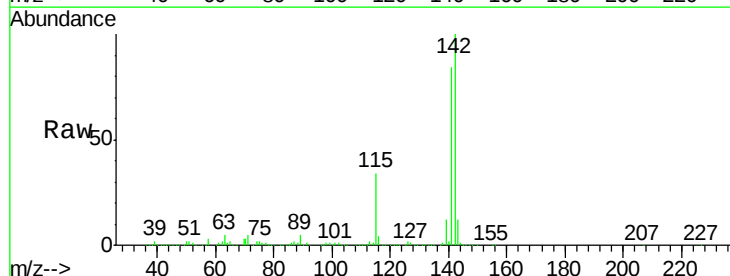
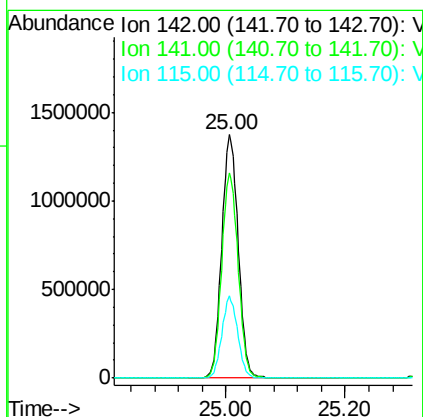
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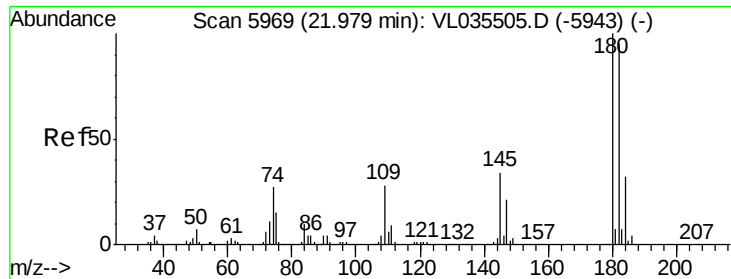
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#80
Naphthalene, 2-methyl-
Concen: 9.120 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL035505.D
Acq: 27 Aug 2020 2:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	32.3	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.634 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.00 min
 Lab File: VL035505.D
 Acq: 27 Aug 2020 2:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:	180	Resp:	3715876
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	31.6	25.3	37.9

Manual Integrations
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