

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035627.D
 Acq On : 16 Sep 2020 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:22 PM

Quant Time: Sep 17 07:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1236974	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	5126876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5355020m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3770504	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1969492	9.188	ppbv	100
3) Chlorodifluoromethane	2.97	51	1240003	9.064	ppbv	100
4) Chloromethane	3.13	50	650365	8.873	ppbv	100
5) Vinyl Chloride	3.24	62	786676	8.706	ppbv	99
6) Bromomethane	3.46	94	694710	9.153	ppbv	97
7) Chloroethane	3.55	64	301227	9.429	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2289852	8.820	ppbv	95
9) Propene	3.00	41	470901	8.928	ppbv	100
10) Heptane	8.12	43	1329874	9.388	ppbv	100
11) Trichlorofluoromethane	3.94	101	2692185	8.612	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2059088	8.727	ppbv	93
13) Ethanol	3.59	45	112246	8.584	ppbv	94
14) Bromoethene	3.73	108	947002	9.325	ppbv	99
15) Acetone	3.84	43	1037285	7.603	ppbv	99
16) 1,3-Butadiene	3.31	39	478728	9.426	ppbv	100
17) tert-Butyl alcohol	4.28	59	1601250	9.642	ppbv	100
18) 1,1-Dichloroethene	4.28	96	958768	9.228	ppbv	96
19) Isopropyl Alcohol	3.96	45	770526	9.467	ppbv	100
20) Methylene Chloride	4.33	84	788432	7.759	ppbv	98
21) Allyl Chloride	4.40	41	664734	10.400	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	1014094	9.168	ppbv	93
23) Vinyl Acetate	5.07	43	1692958	9.668	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1672152	9.279	ppbv	99
25) Ethyl Acetate	5.67	43	2183381	9.059	ppbv	100
26) Hexane	5.68	57	1237884	9.065	ppbv	100
27) Carbon Disulfide	4.54	76	2096657	10.699	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2288620	9.616	ppbv	99
29) Chloroform	5.74	83	2550455	9.167	ppbv	99
30) Cyclohexane	7.12	84	1418968	9.700	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1359660	9.705	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2539068	9.407	ppbv	100
34) 2-Butanone	5.24	43	1521236	9.998	ppbv	100
35) Carbon Tetrachloride	7.01	117	2628271	10.200	ppbv	99
36) Benzene	6.89	78	3257926	9.817	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1578052	9.974	ppbv	99
38) Trichloroethene	7.83	130	1663414	8.629	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1098715	9.800	ppbv	99
40) 1,4-Dioxane	7.83	88	597272	10.665	ppbv	99
41) Tetrahydrofuran	6.04	42	862440	10.689	ppbv	100
42) Bromodichloromethane	7.79	83	2704104	10.569	ppbv	100
43) Methyl Methacrylate	8.01	69	1358853	10.589	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4204033	9.628	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1562389	12.018	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1848666	11.454	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1594466	9.639	ppbv	97
48) Dibromochloromethane	10.30	129	2730688	10.488	ppbv	100
49) Bromoform	13.04	173	2489512	10.551	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2227743	10.111	ppbv	100
51) 2-Hexanone	10.13	43	1855947	10.269	ppbv #	100
52) Tetrachloroethene	11.22	164	1639380	8.456	ppbv	98
53) Toluene	9.80	91	4099576	9.823	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2553246	9.768	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	2123845	9.747	ppbv	96
57) Chlorobenzene	12.15	112	3461988	8.784	ppbv	98
58) Ethyl Benzene	12.71	91	5327805	9.648	ppbv	99
59) m/p-Xylene	13.00	91	9023338m	19.555	ppbv	
60) o-Xylene	13.70	91	4409490	9.488	ppbv	99
61) Styrene	13.53	104	3550035	9.988	ppbv	98
62) Isopropylbenzene	14.67	105	6673016	8.939	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3171877	8.803	ppbv	99
64) n-propylbenzene	15.57	120	2090459	9.176	ppbv	94
65) tert-Butylbenzene	16.75	119	6243250	8.997	ppbv	97
66) Benzyl Chloride	17.00	91	2157172	12.508	ppbv	98
67) sec-Butylbenzene	17.30	105	8188216	8.856	ppbv	98
69) p-Isopropyltoluene	17.66	119	7024880	8.662	ppbv	99
70) n-Butylbenzene	18.56	91	6809450	8.717	ppbv	99
71) 2-Chlorotoluene	15.46	91	5109909	9.399	ppbv	98
72) 4-Ethyltoluene	15.85	105	5465139	9.250	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5082003	9.300	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5265434	8.774	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3626694	8.159	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3680440	8.395	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3574741	8.301	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2029279	7.380	ppbv	100
79) Naphthalene	22.21	128	5578976	8.378	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1637652	7.206	ppbv	100
81) 1,2,4-Trichlorobenzene	21.94	180	3043314	7.632	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1236974

Ion Ratio Lower Upper

49 100

128 92.6 50.0 150.1

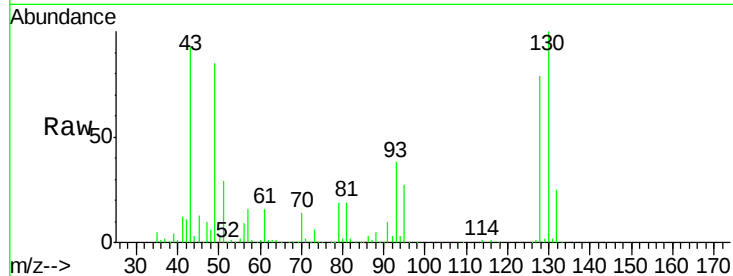
130 119.4 64.4 193.2

Manual Integrations

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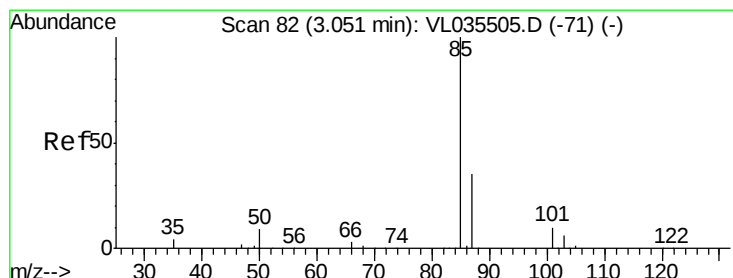
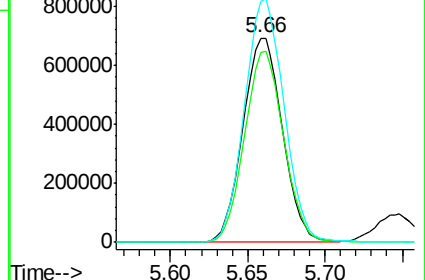
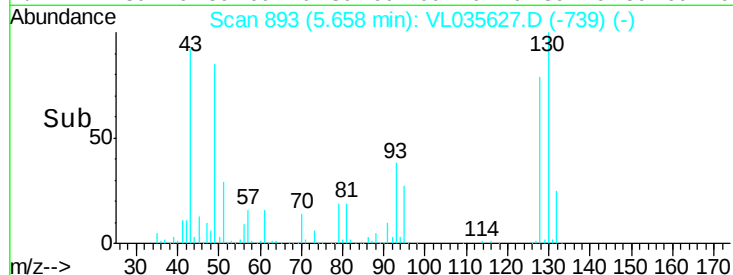


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.188 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL035627.D

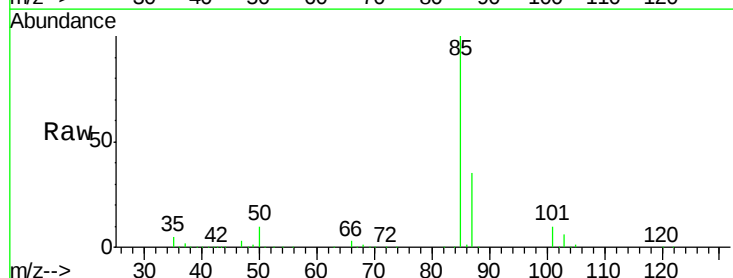
Acq: 16 Sep 2020 12:18

Tgt Ion: 85 Resp: 1969492

Ion Ratio Lower Upper

85 100

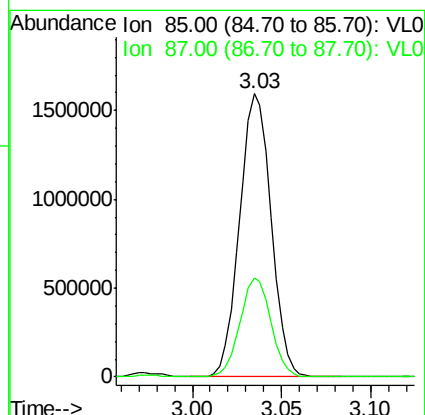
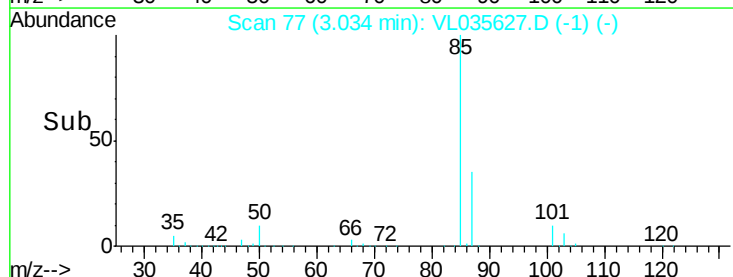
87 35.1 28.0 42.0

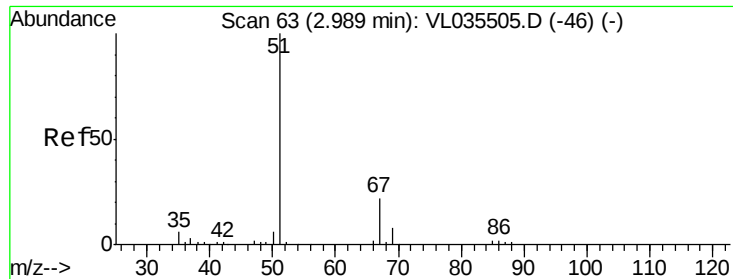


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#3

Chlorodifluoromethane

Concen: 9.064 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1240003

Ion Ratio Lower Upper

51 100

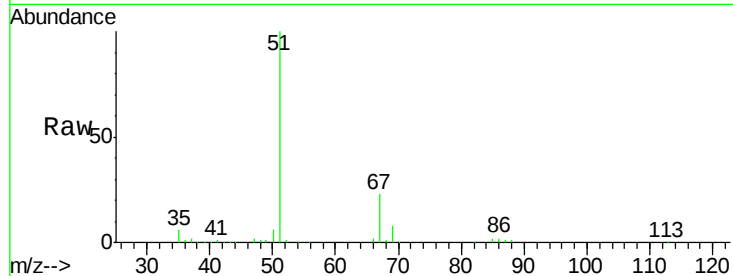
67 22.4 17.8 26.8

Manual Integrations

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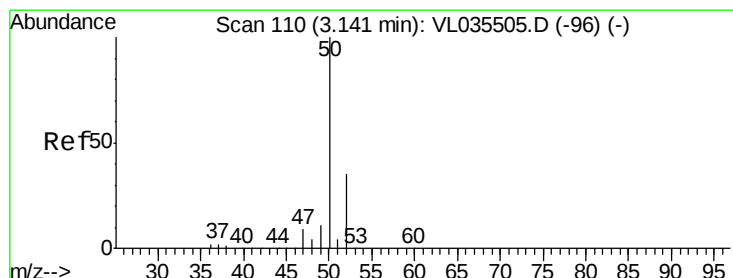
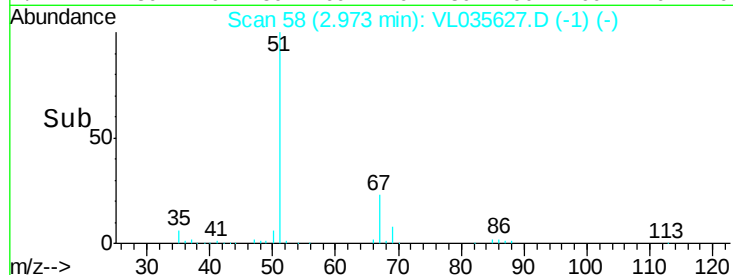
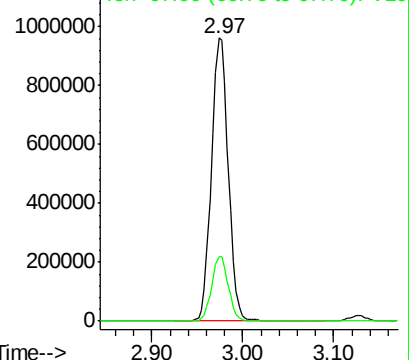
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.873 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL035627.D

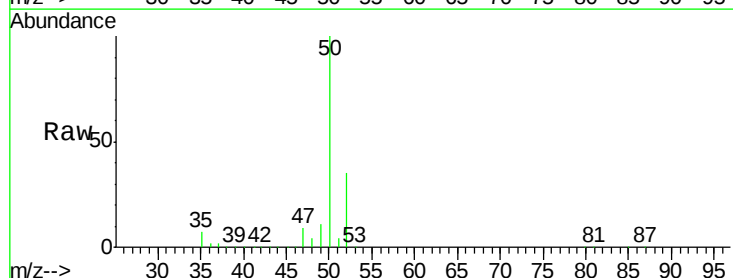
Acq: 16 Sep 2020 12:18

Tgt Ion: 50 Resp: 650365

Ion Ratio Lower Upper

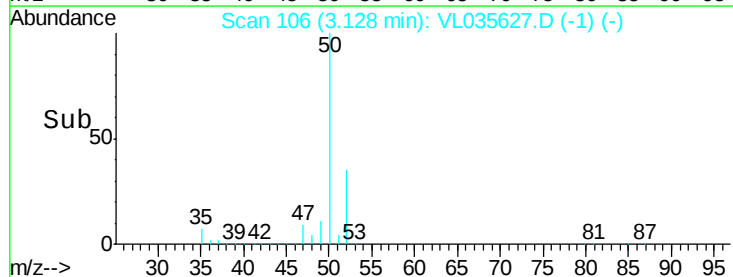
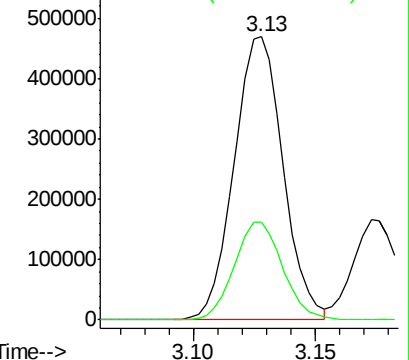
50 100

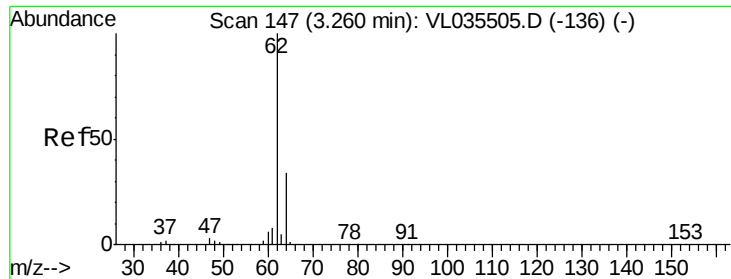
52 34.6 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.706 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 786676

Ion Ratio Lower Upper

62 100

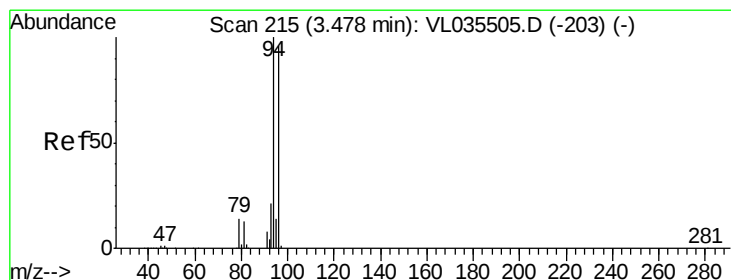
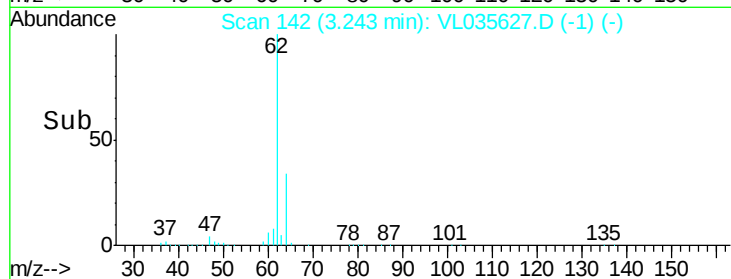
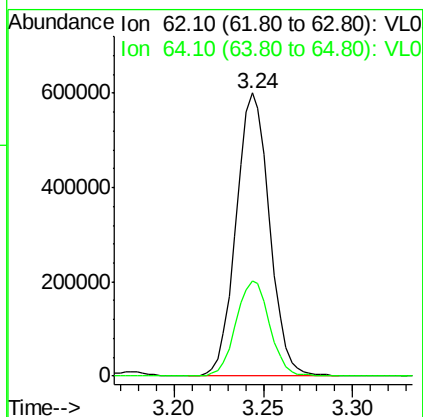
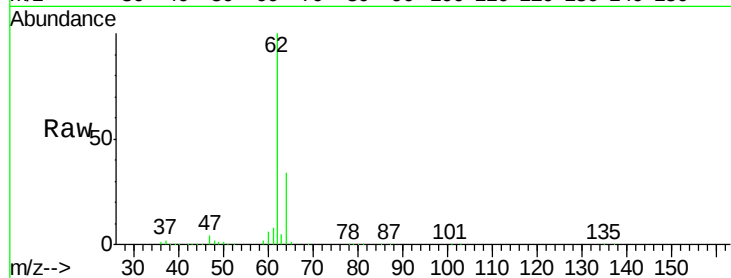
64 33.8 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 9.153 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL035627.D

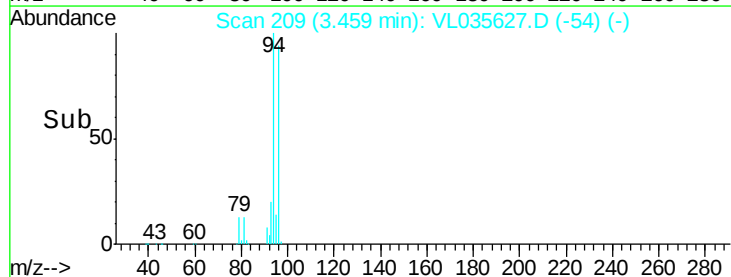
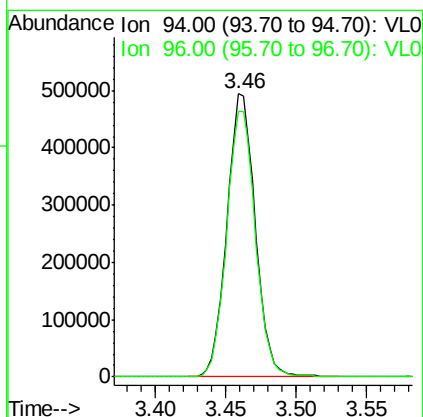
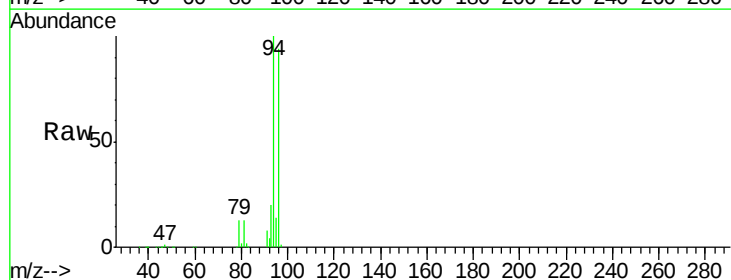
Acq: 16 Sep 2020 12:18

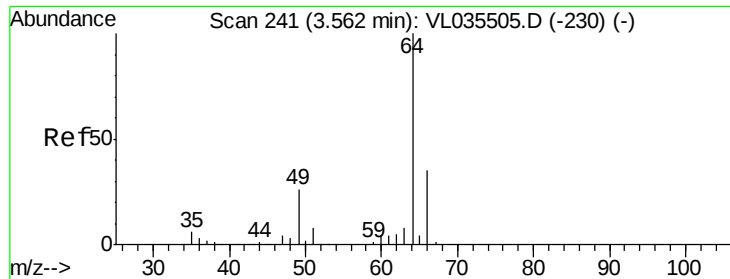
Tgt Ion: 94 Resp: 694710

Ion Ratio Lower Upper

94 100

96 93.6 77.1 115.7





#7

Chloroethane

Concen: 9.429 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 301227

Ion Ratio Lower Upper

64 100

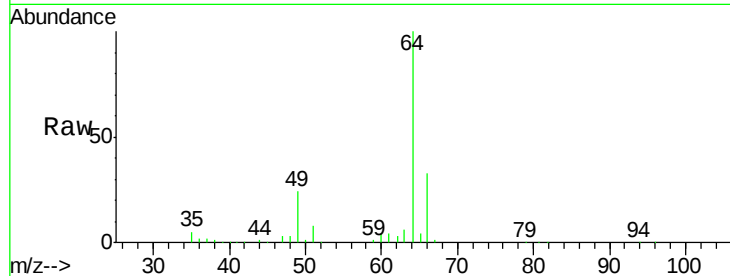
66 32.8 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

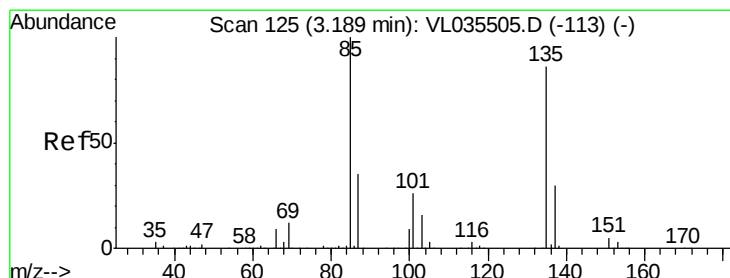
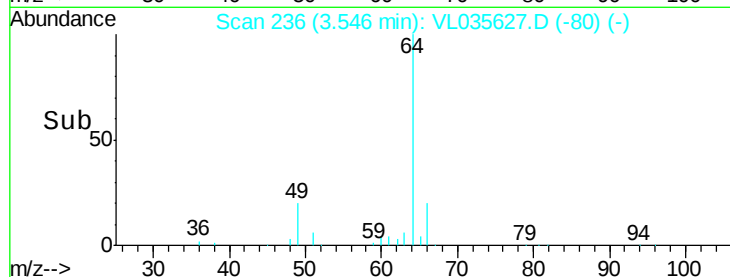
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.820 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.00 min

Lab File: VL035627.D

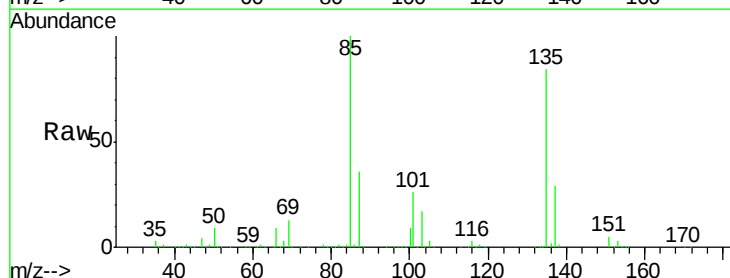
Acq: 16 Sep 2020 12:18

Tgt Ion: 85 Resp: 2289852

Ion Ratio Lower Upper

85 100

135 83.1 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

0

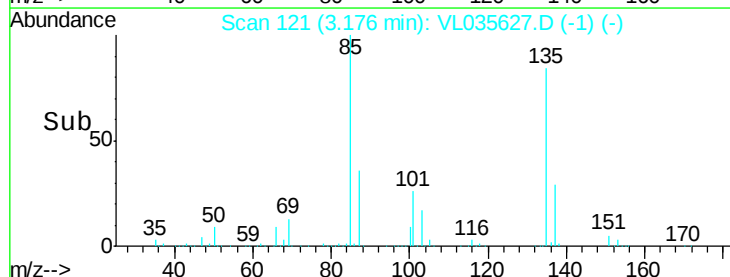
3.10

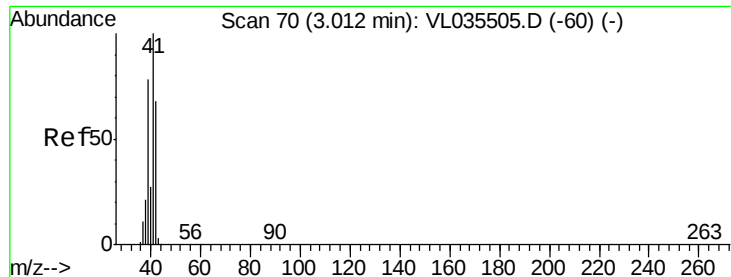
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 8.928 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 470901

Ion Ratio Lower Upper

41 100

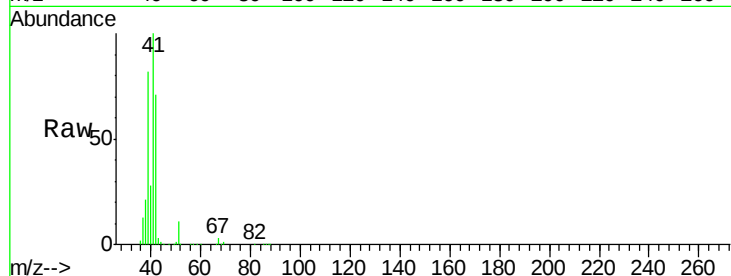
42 70.4 56.3 84.5

Manual Integrations

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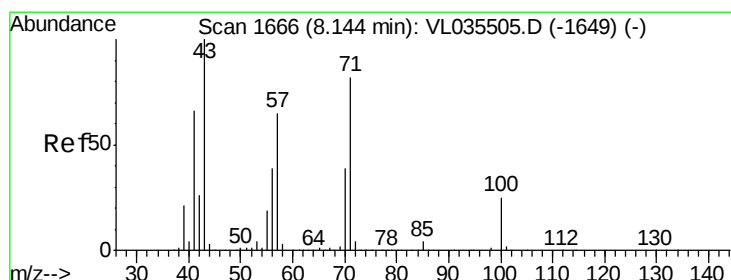
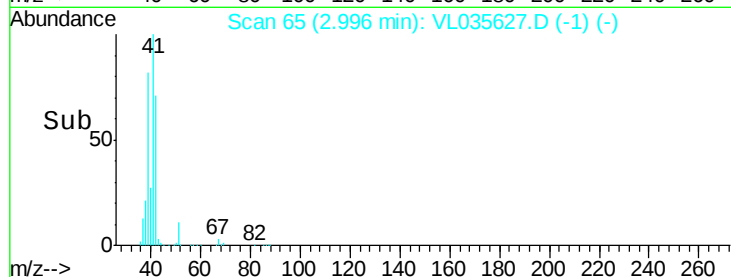
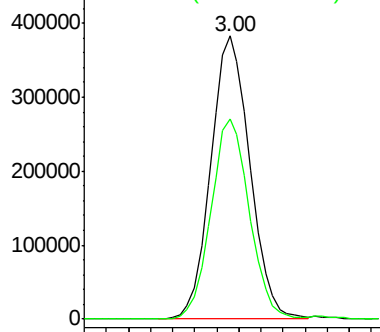
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.388 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035627.D

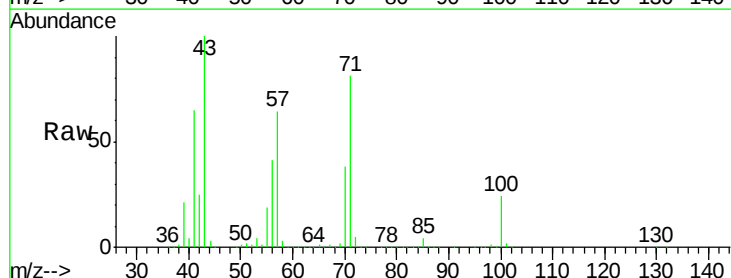
Acq: 16 Sep 2020 12:18

Tgt Ion: 43 Resp: 1329874

Ion Ratio Lower Upper

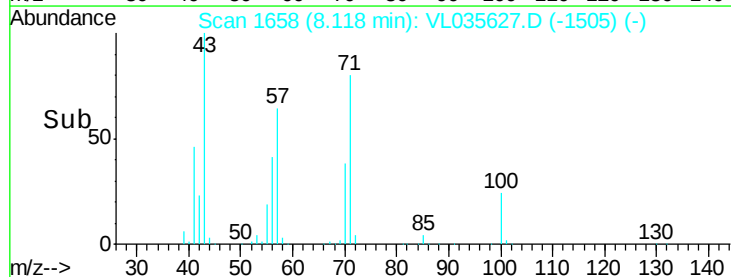
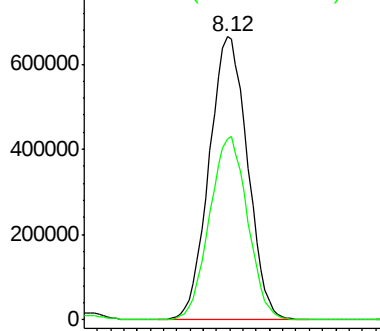
43 100

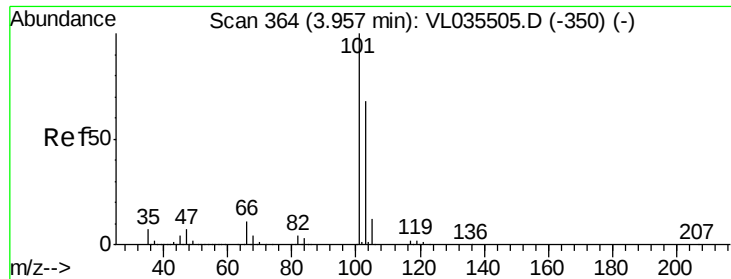
57 64.3 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





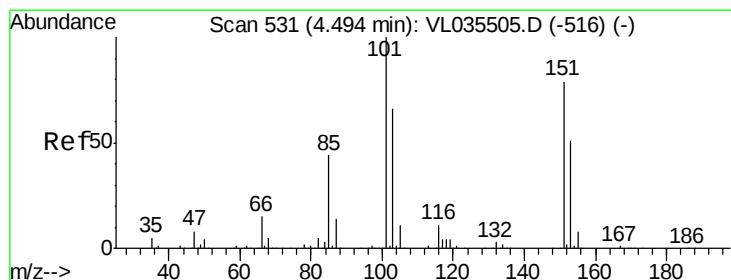
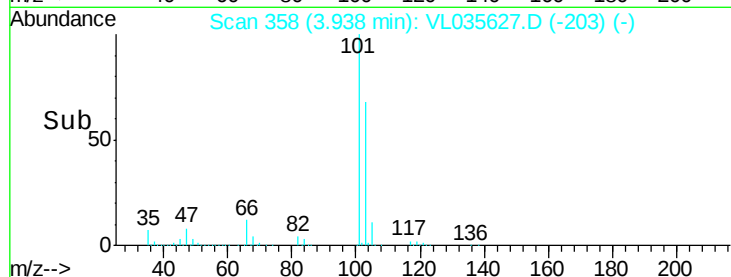
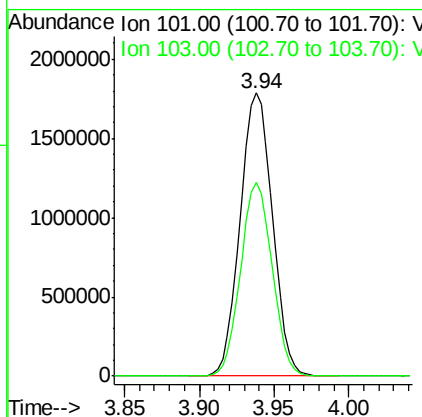
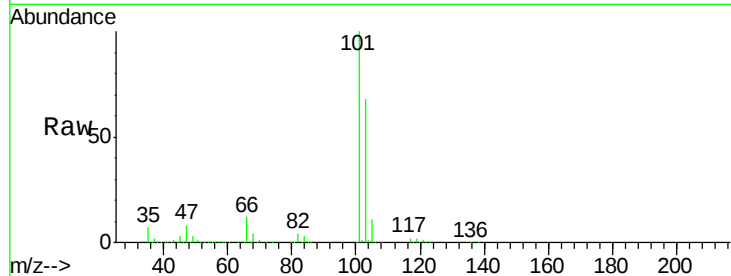
#11
 Trichlorofluoromethane
 Concen: 8.612 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2692185
 Ion Ratio Lower Upper
 101 100
 103 68.2 54.5 81.7

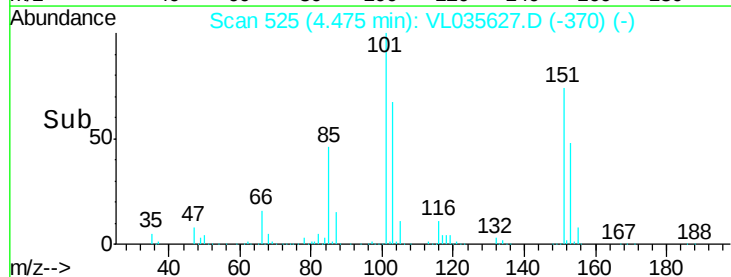
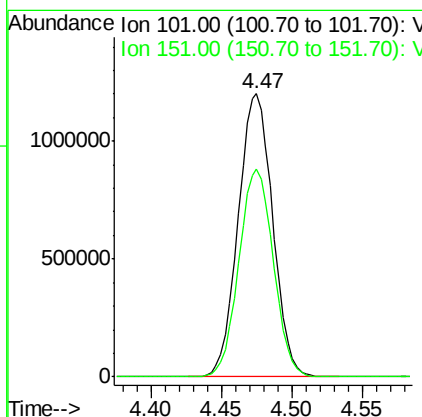
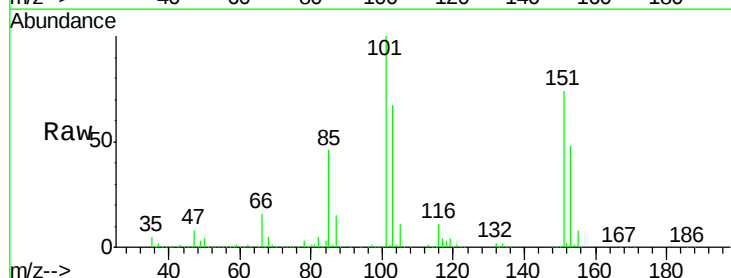
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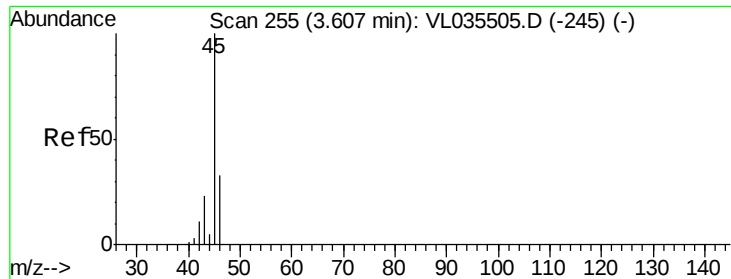
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.727 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion:101 Resp: 2059088
 Ion Ratio Lower Upper
 101 100
 151 73.6 63.5 95.3





#13

Ethanol

Concen: 8.584 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 112246

Ion Ratio Lower Upper

45 100

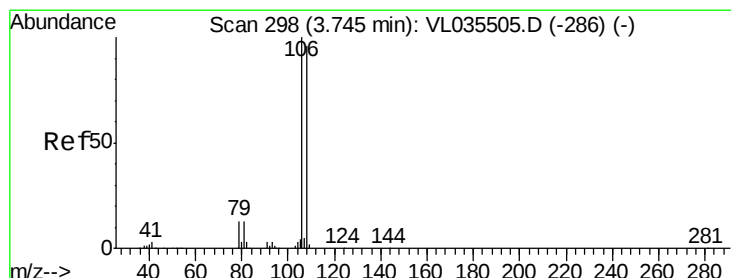
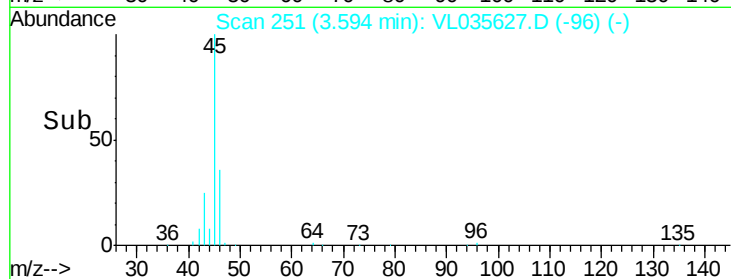
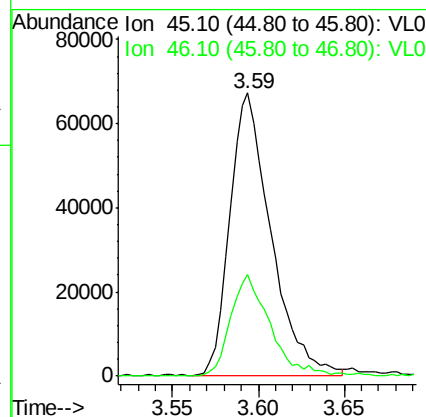
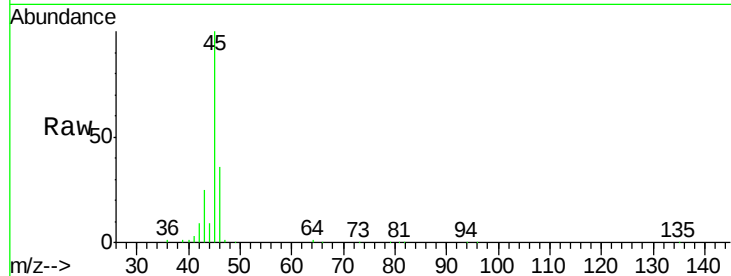
46 34.4 15.2 60.6

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#14

Bromoethene

Concen: 9.325 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

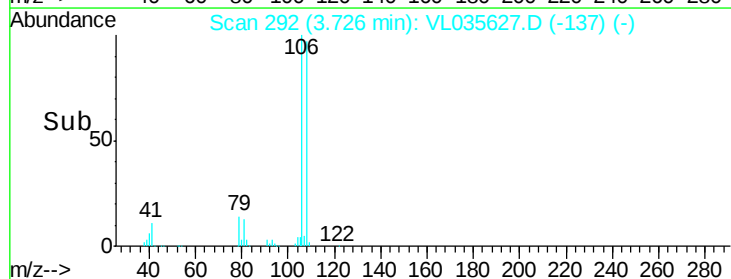
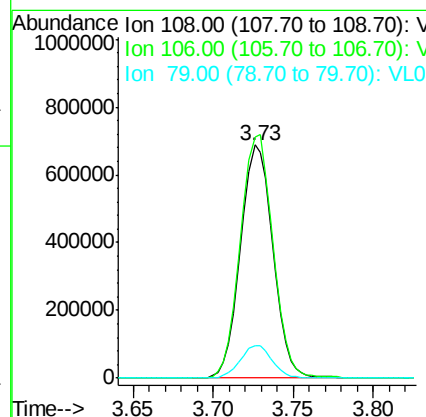
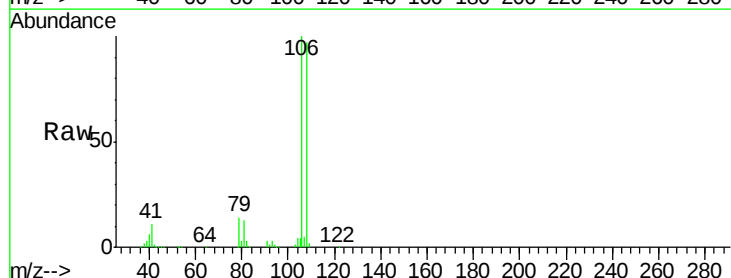
Tgt Ion: 108 Resp: 947002

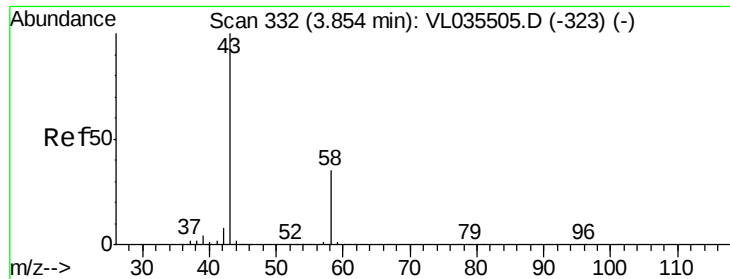
Ion Ratio Lower Upper

108 100

106 105.6 84.9 127.3

79 14.1 10.8 16.2





#15

Acetone

Concen: 7.603 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1037285

Ion Ratio Lower Upper

43 100

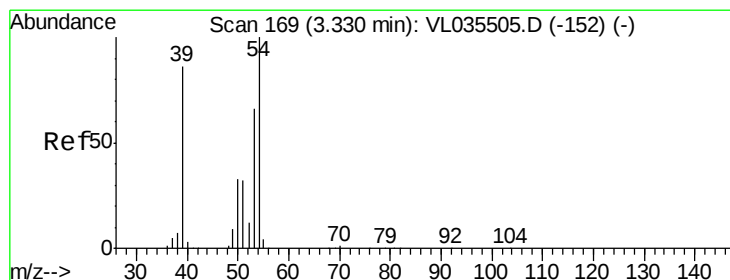
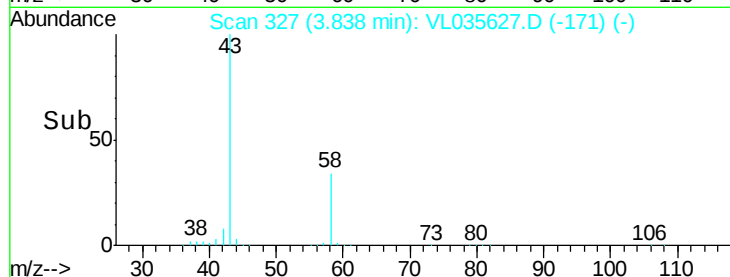
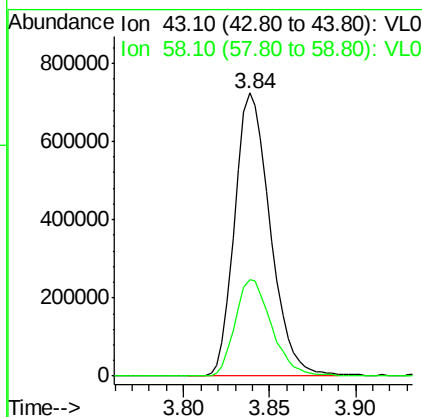
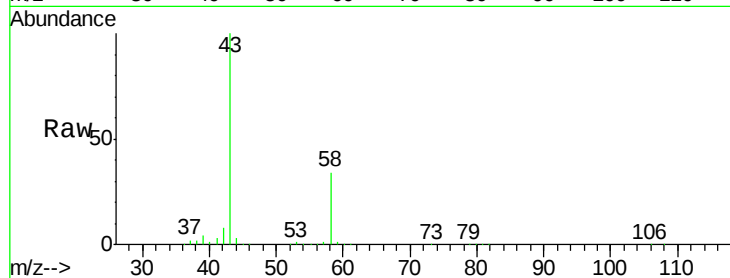
58 35.1 28.4 42.6

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#16

1,3-Butadiene

Concen: 9.426 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL035627.D

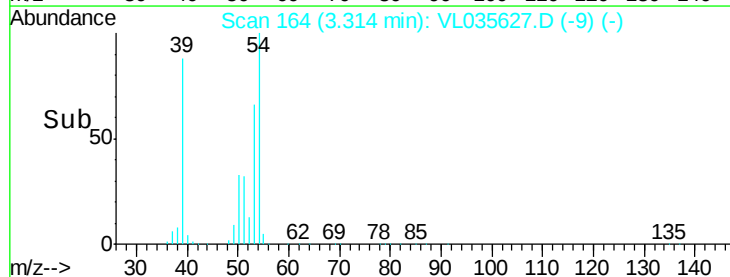
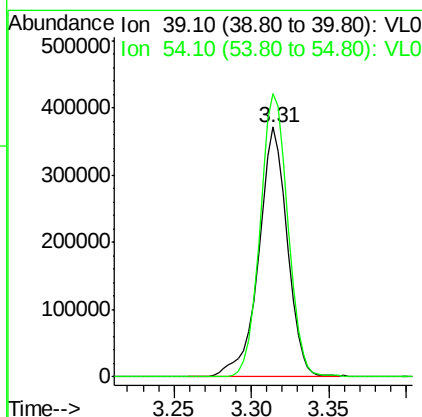
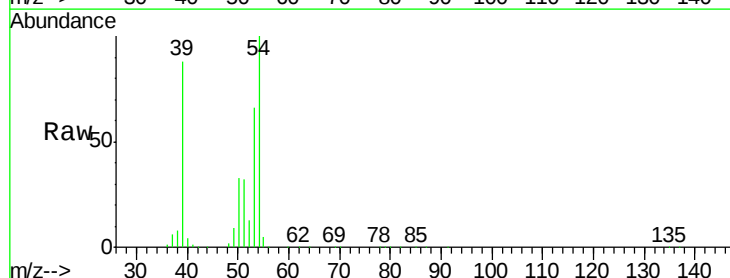
Acq: 16 Sep 2020 12:18

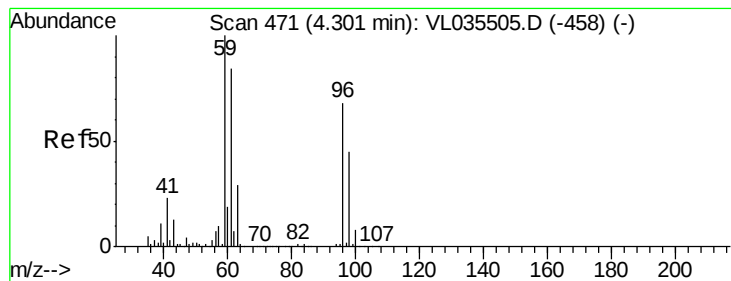
Tgt Ion: 39 Resp: 478728

Ion Ratio Lower Upper

39 100

54 111.0 88.4 132.6





#17

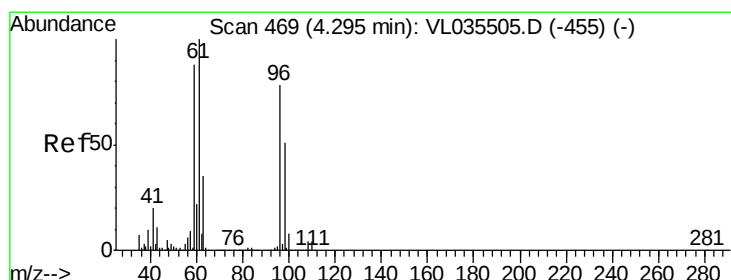
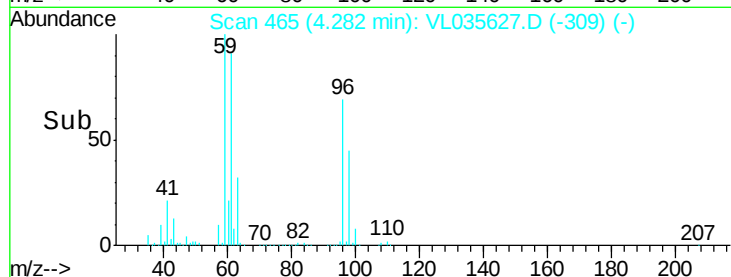
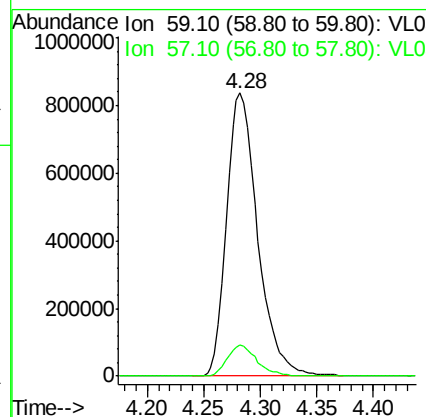
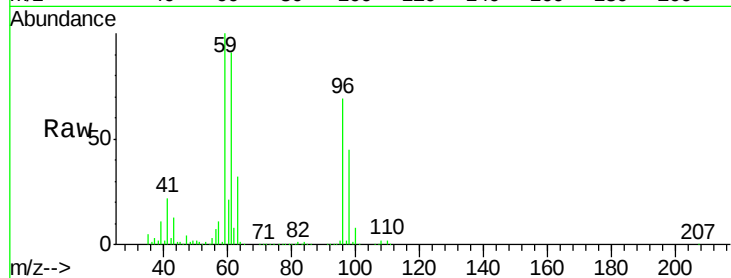
tert-Butyl alcohol
Concen: 9.642 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1601250
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

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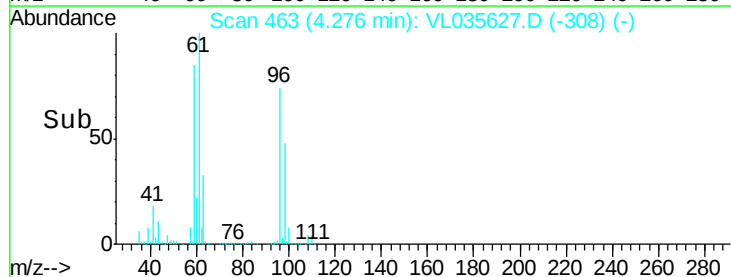
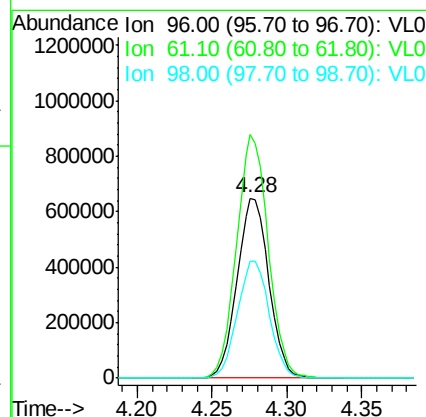
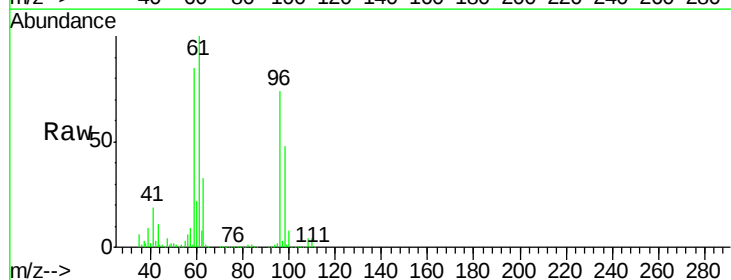
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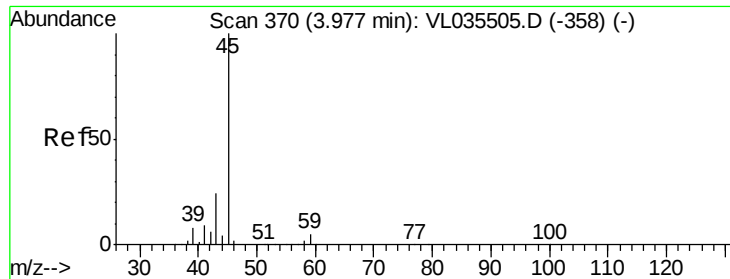


#18

1,1-Dichloroethene
Concen: 9.228 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 96 Resp: 958768
Ion Ratio Lower Upper
96 100
61 135.3 103.0 154.6
98 64.9 52.8 79.2





#19

Isopropyl Alcohol

Concen: 9.467 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 770526

Ion Ratio Lower Upper

45 100

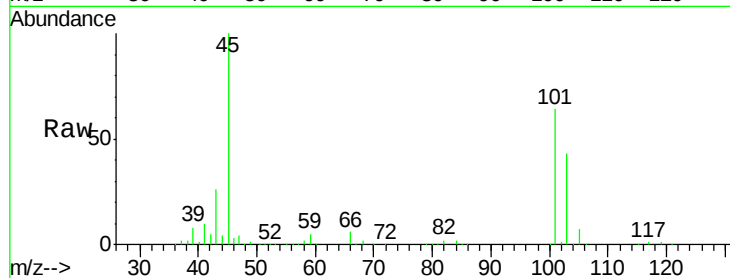
58 2.5 2.0 3.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

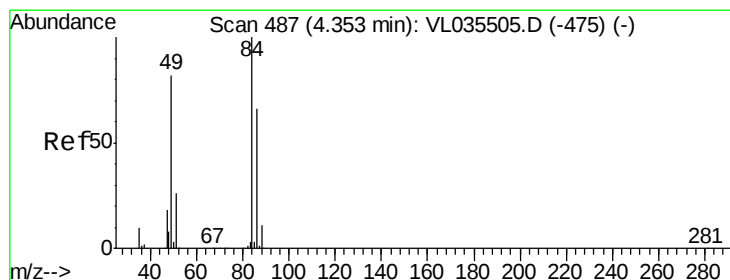
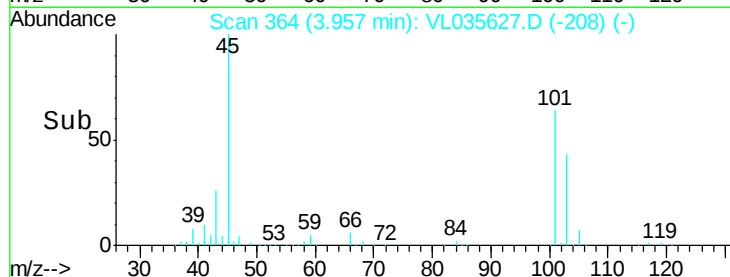
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.759 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion: 84 Resp: 788432

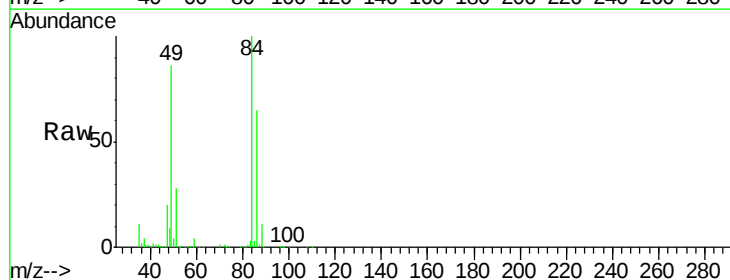
Ion Ratio Lower Upper

84 100

49 84.9 65.4 98.0

51 26.6 21.5 32.3

86 65.1 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

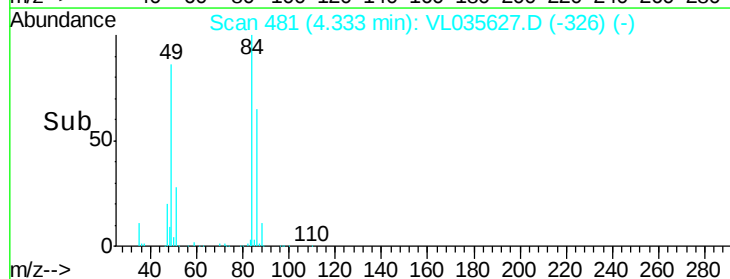
600000

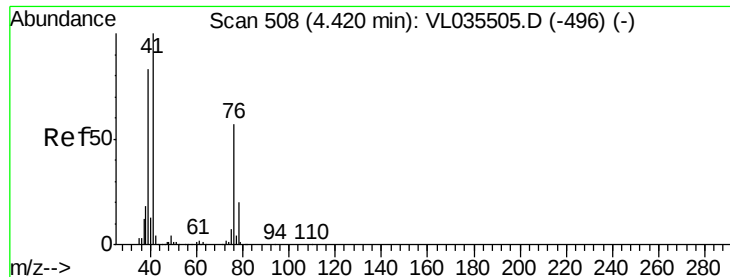
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.400 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

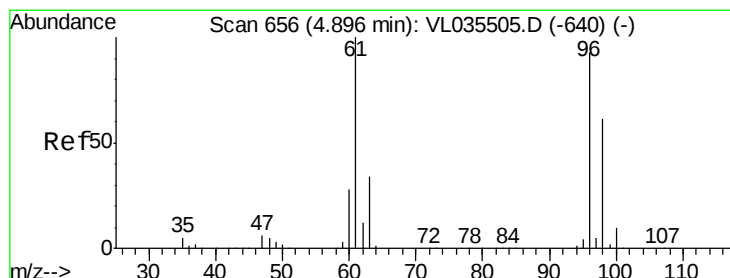
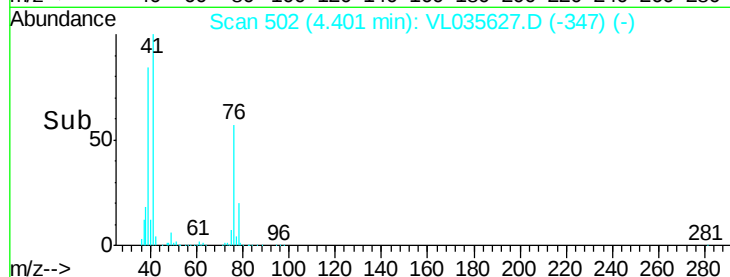
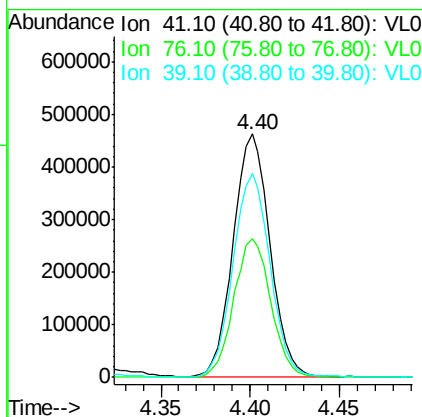
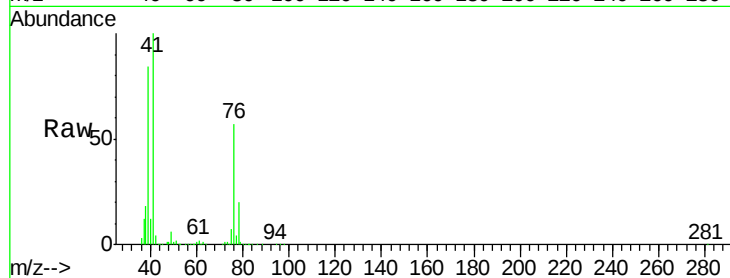
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	664734
Ion	Ratio	Lower	Upper
41	100		
76	57.7	46.2	69.2
39	85.1	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 9.168 ppbv

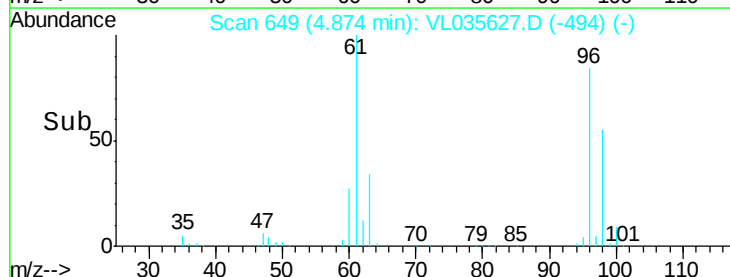
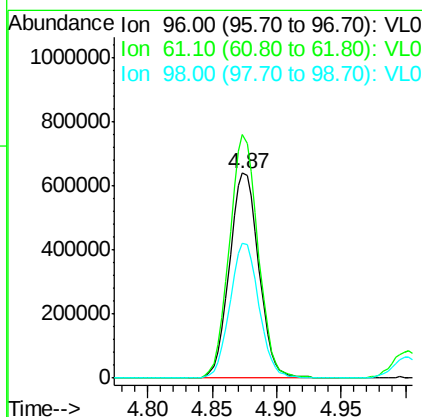
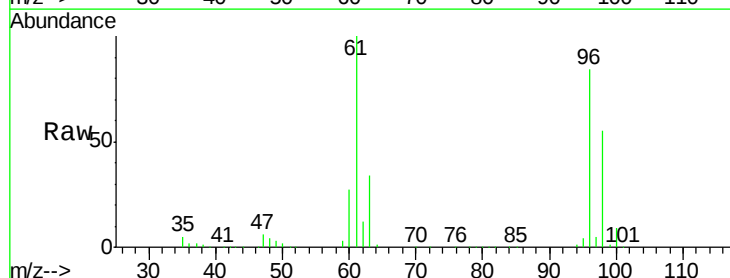
RT: 4.87 min Scan# 649

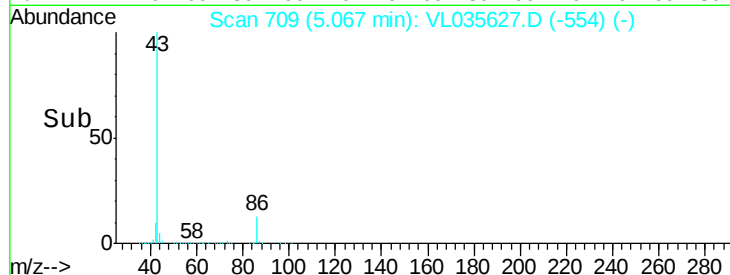
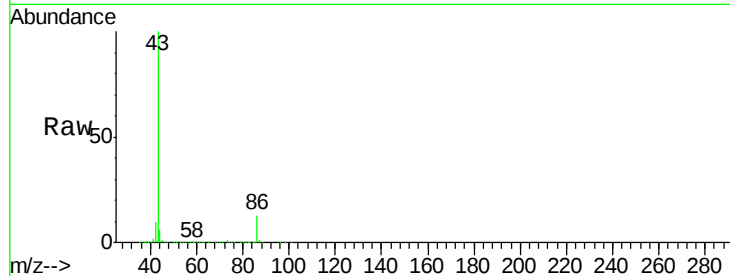
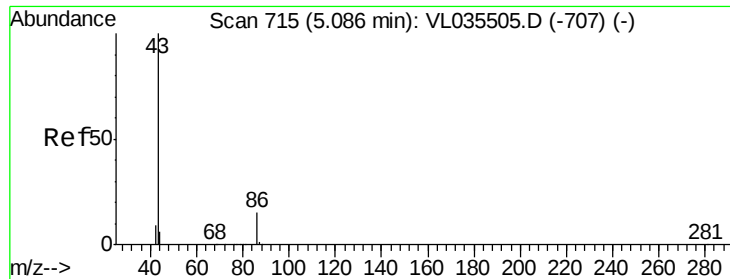
Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:	96	Resp:	1014094
Ion	Ratio	Lower	Upper
96	100		
61	118.9	86.0	129.0
98	65.7	52.3	78.5





#23

Vinyl Acetate

Concen: 9.668 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tot Ion: 43 Resp: 1692958

Ion Ratio Lower Upper

43 100

86 13.2 10.6 16.0

42 9.9 7.5 11.3

44 5.4 4.4 6.6

Instrument :

MSVOA_L

ClientSampleId :

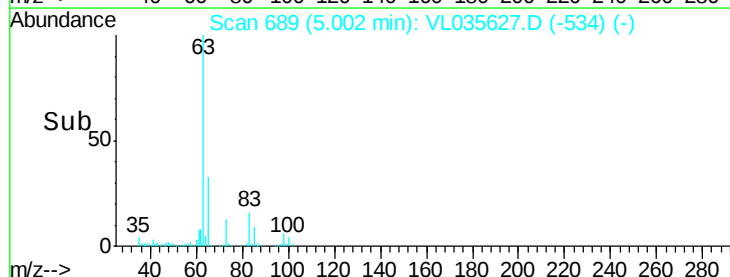
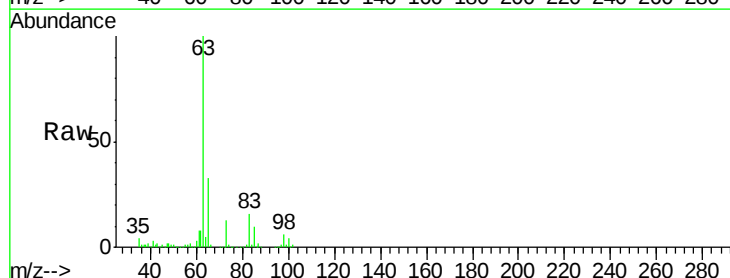
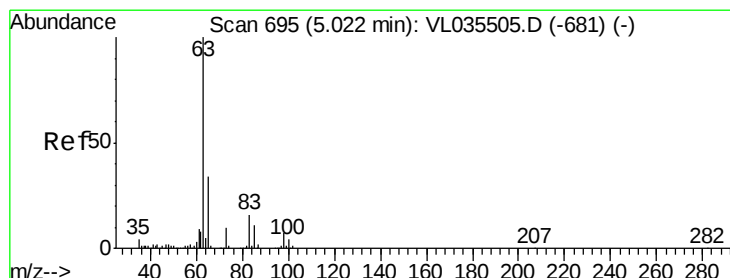
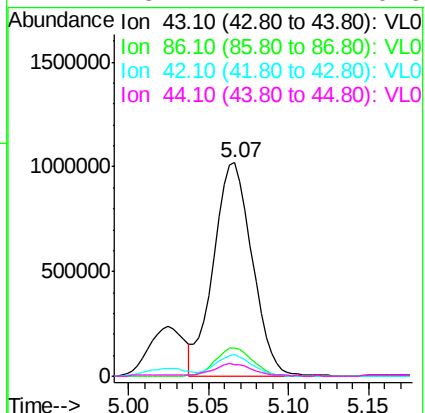
VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 9.279 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

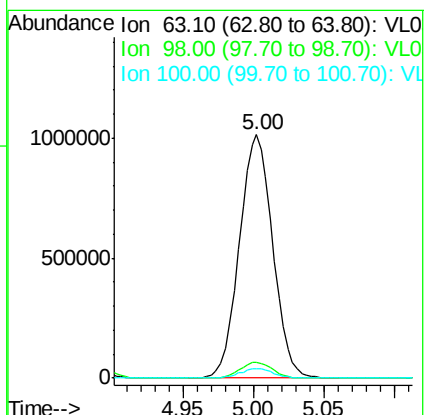
Tgt Ion: 63 Resp: 1672152

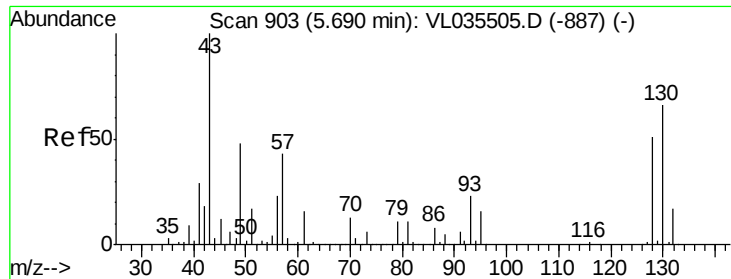
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.0 2.1 6.5





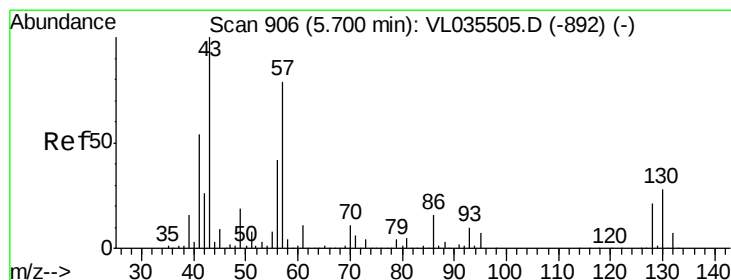
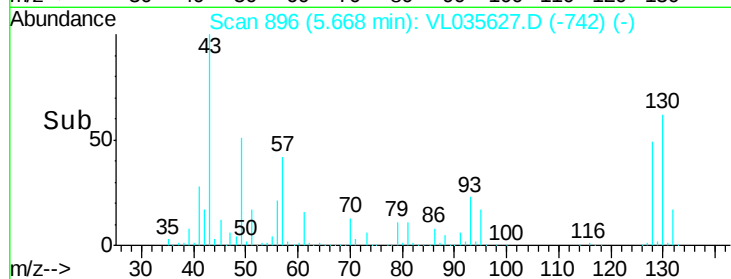
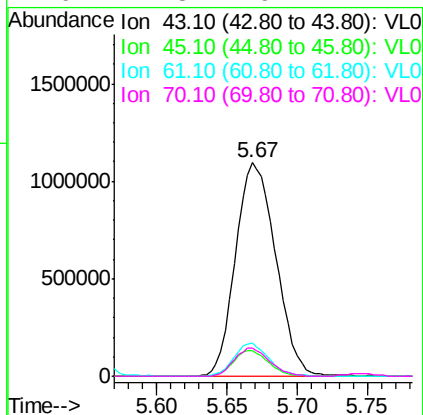
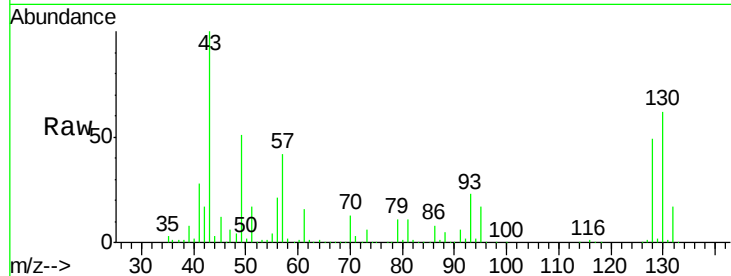
#25
Ethyl Acetate
Concen: 9.059 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.6	8.4	12.6	
61	13.4	10.6	16.0	
70	11.8	9.4	14.2	

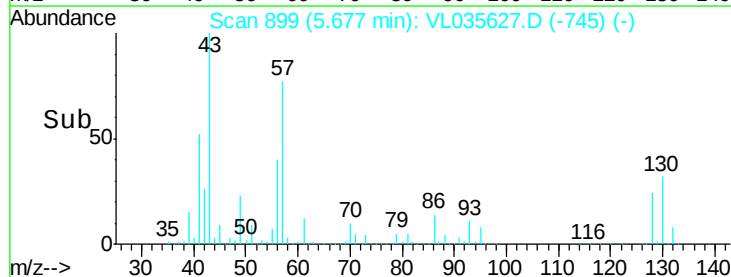
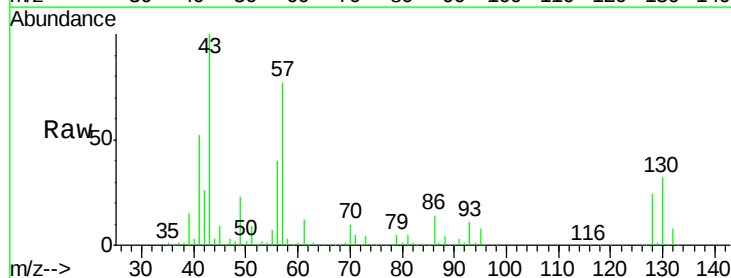
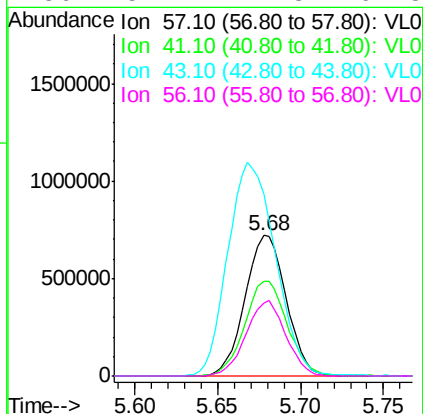
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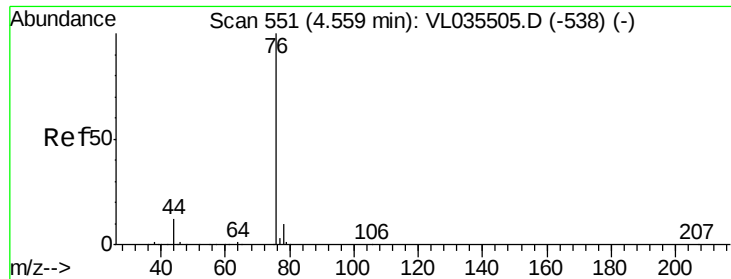
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#26
Hexane
Concen: 9.065 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	70.7	55.9	83.9	
43	177.1	141.8	212.8	
56	52.4	41.8	62.8	





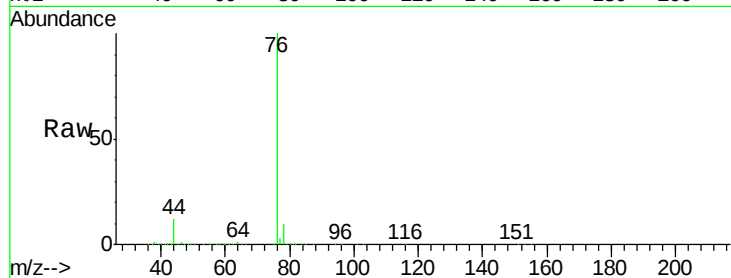
#27
Carbon Disulfide
Concen: 10.699 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

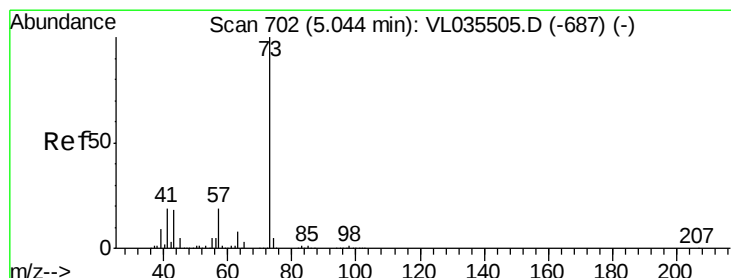
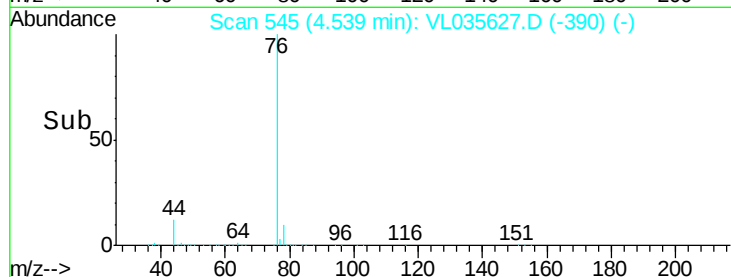
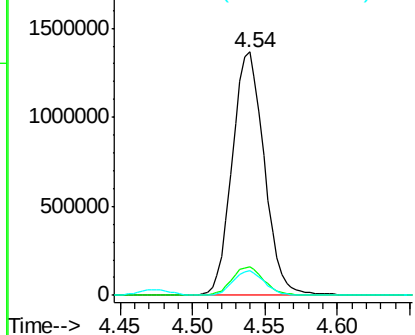
Tot Ion	Ratio	Lower	Upper
76	100		
44	11.5	9.3	13.9
78	9.8	7.8	11.6

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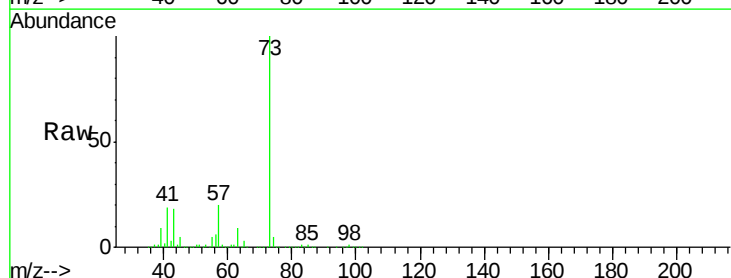


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

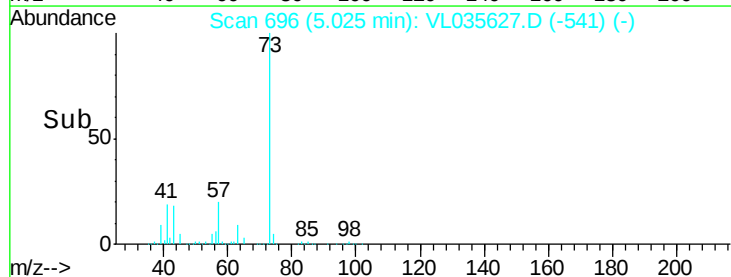
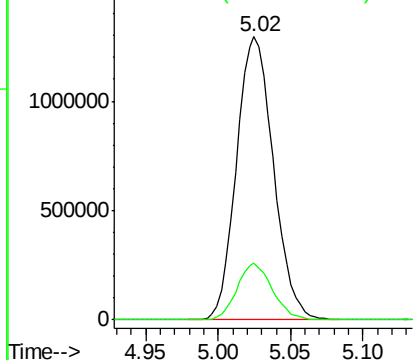


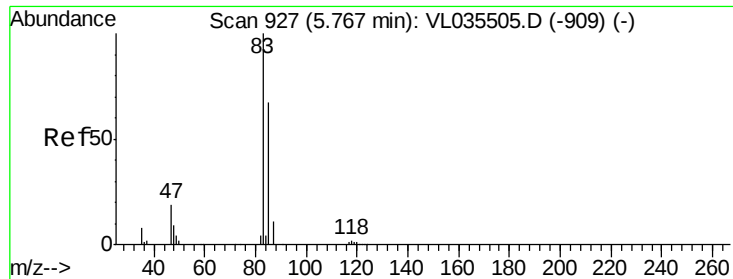
#28
Methyl tert-Butyl Ether
Concen: 9.616 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.2	22.8



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





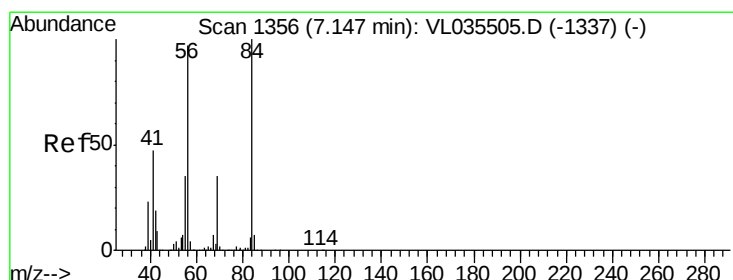
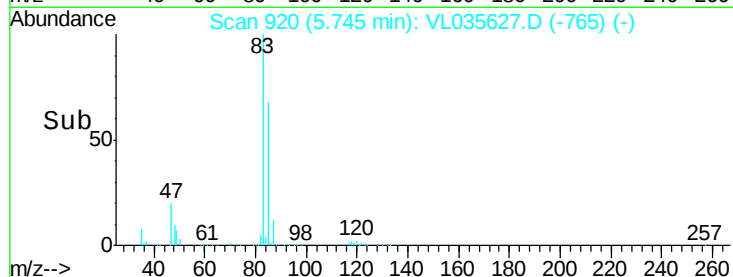
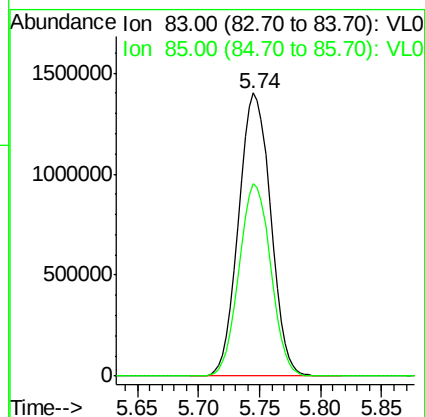
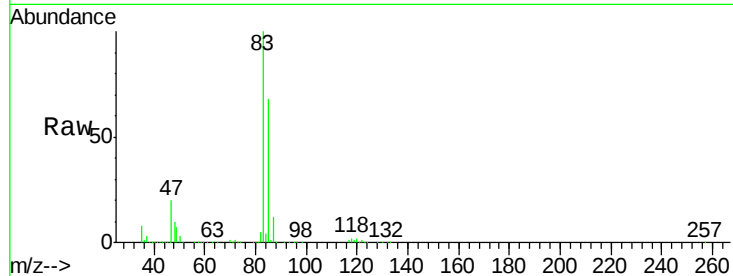
#29
Chloroform
Concen: 9.167 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2550455
Ion Ratio Lower Upper
83 100
85 68.0 53.9 80.9

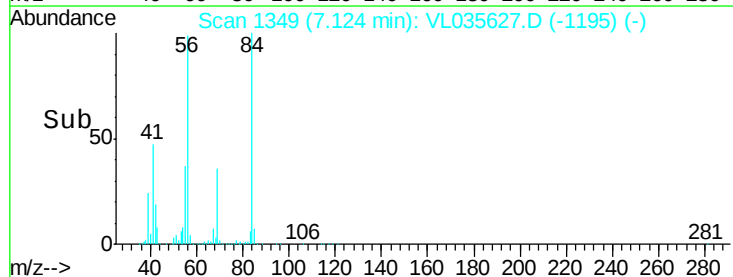
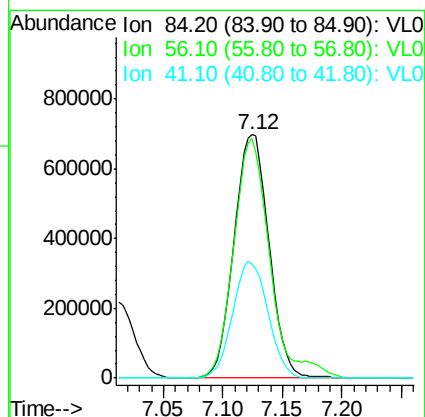
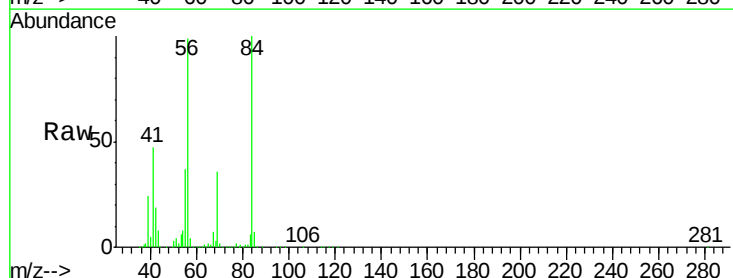
Manual Integrations
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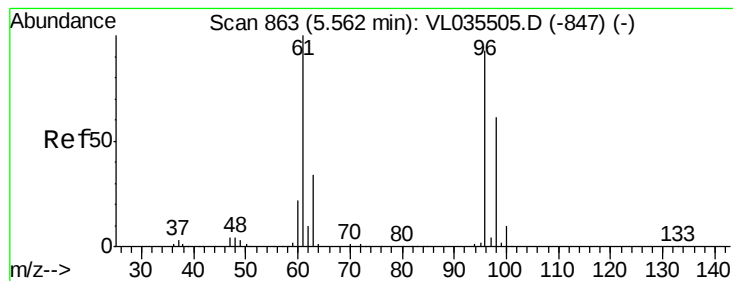
MMDadoda
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#30
Cyclohexane
Concen: 9.700 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 84 Resp: 1418968
Ion Ratio Lower Upper
84 100
56 102.1 80.1 120.1
41 48.5 38.1 57.1





#31

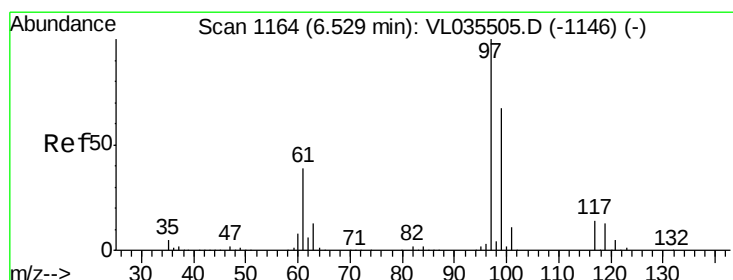
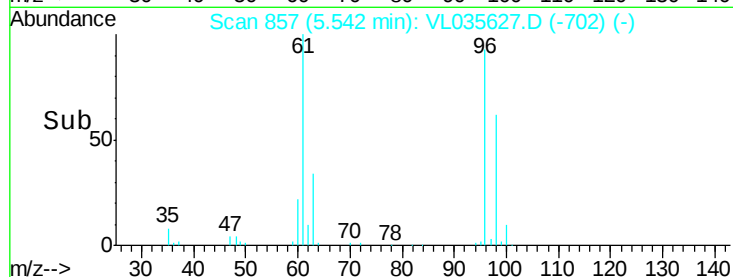
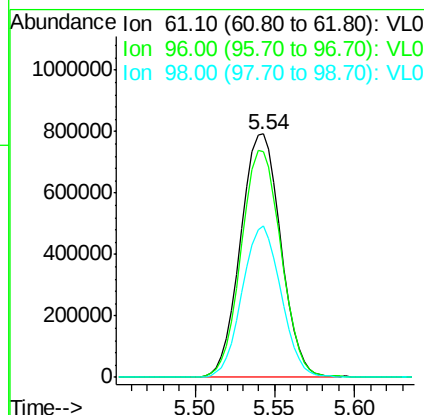
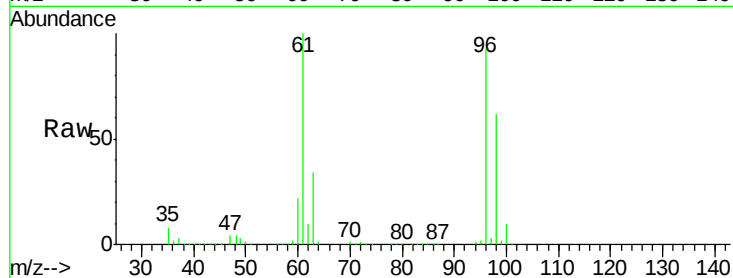
cis-1,2-Dichloroethene
Concen: 9.705 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1359660
Ion Ratio Lower Upper
61 100
96 92.9 74.4 111.6
98 62.0 49.2 73.8

Manual Integrations
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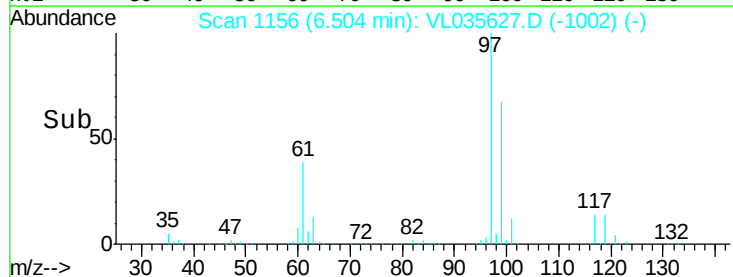
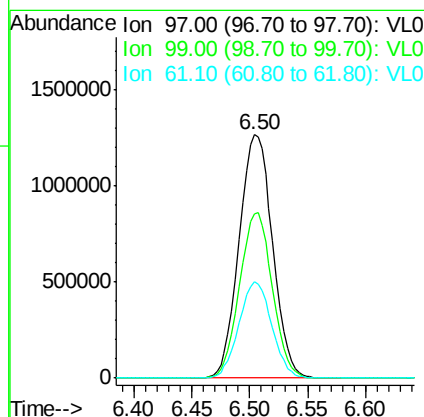
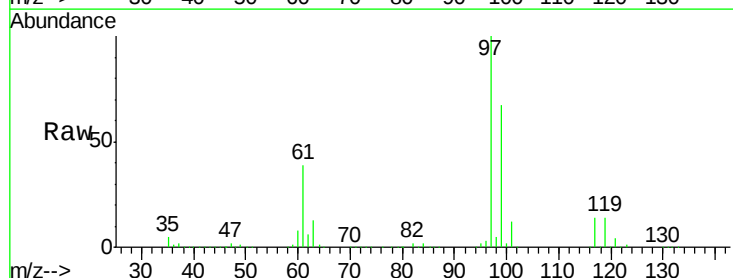
MMDadoda
9/17/2020 1:52:22 PM

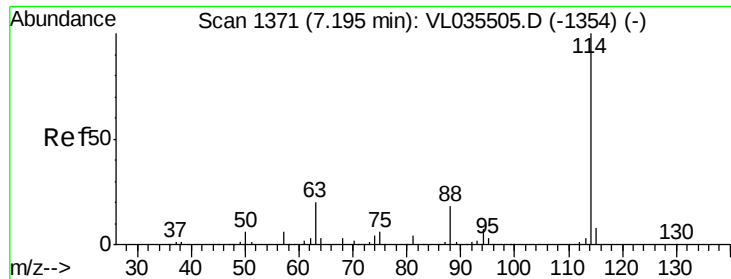


#32

1,1,1-Trichloroethane
Concen: 9.407 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 97 Resp: 2539068
Ion Ratio Lower Upper
97 100
99 66.5 53.3 79.9
61 38.9 30.6 46.0





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

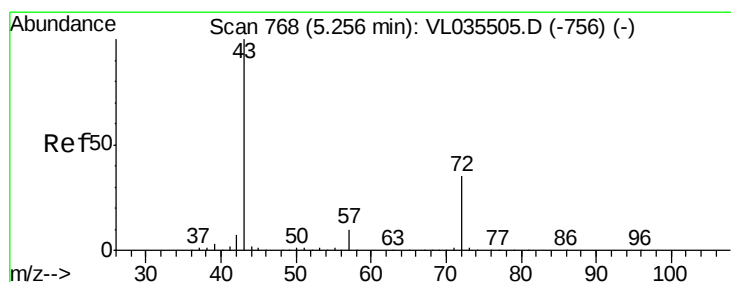
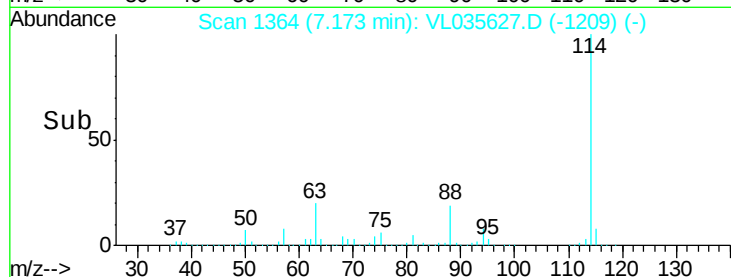
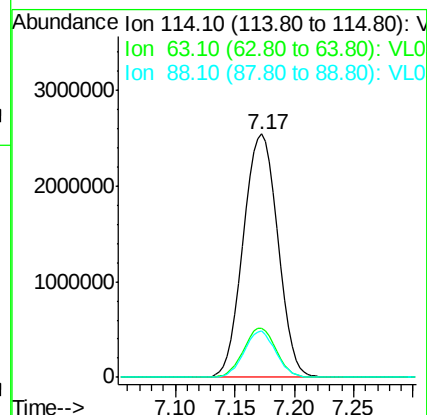
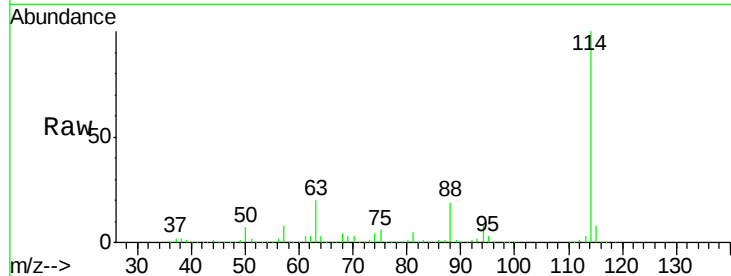
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 5126876

Ion	Ratio	Lower	Upper
114	100		
63	19.3	14.7	22.1
88	17.4	13.4	20.2

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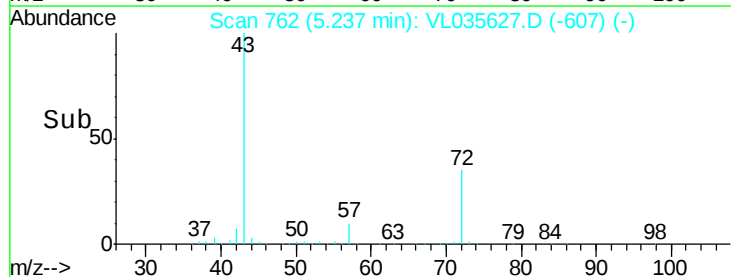
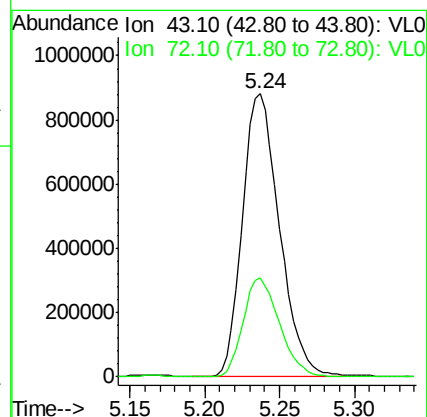
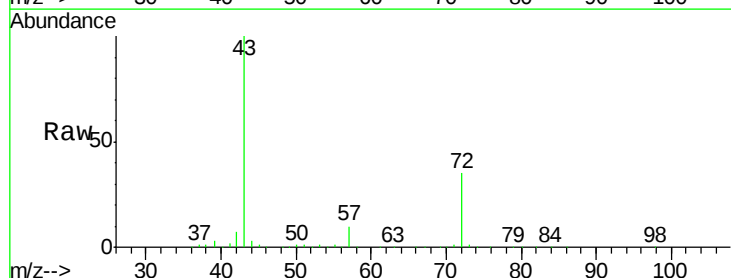
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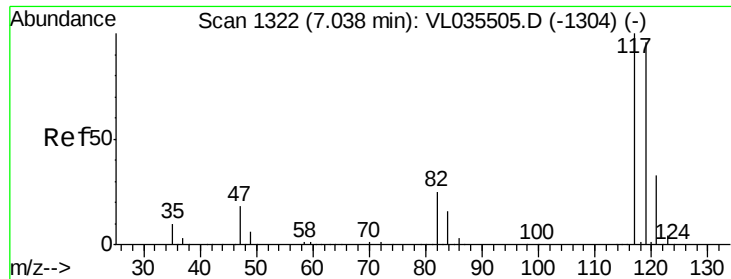


#34
 2-Butanone
 Concen: 9.998 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 43 Resp: 1521236

Ion	Ratio	Lower	Upper
43	100		
72	34.5	27.7	41.5





#35

Carbon Tetrachloride

Concen: 10.200 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2628271

Ion Ratio Lower Upper

117 100

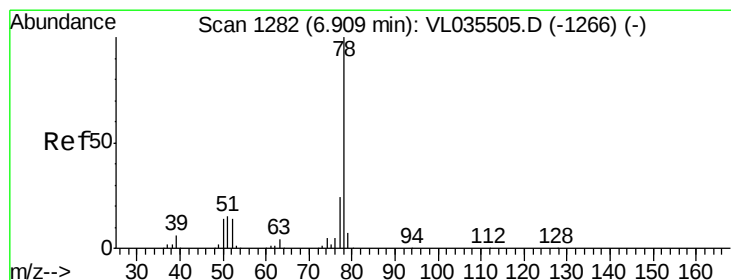
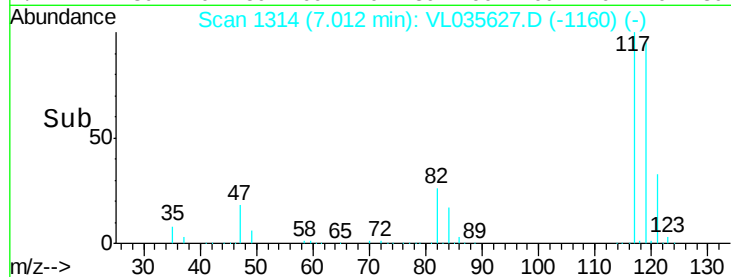
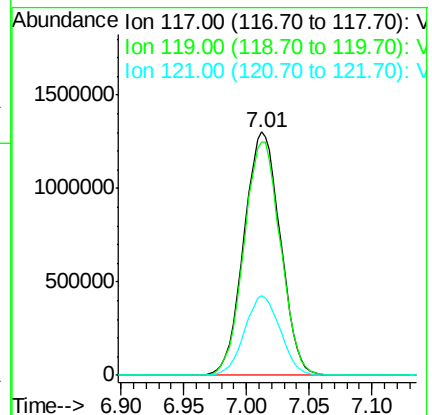
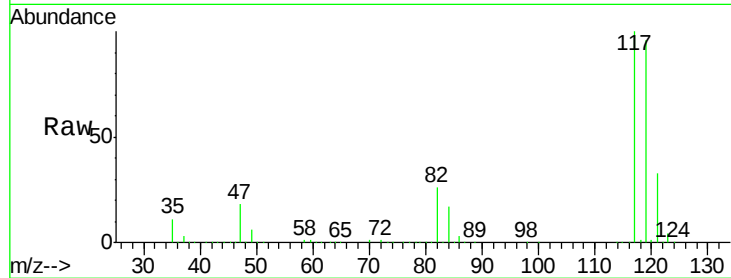
119 95.8 77.2 115.8

121 32.8 26.1 39.1

Manual Integrations
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#36

Benzene

Concen: 9.817 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

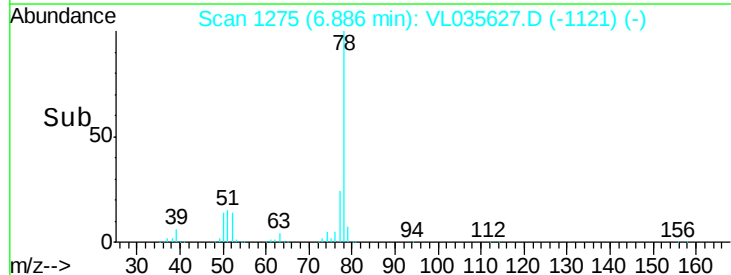
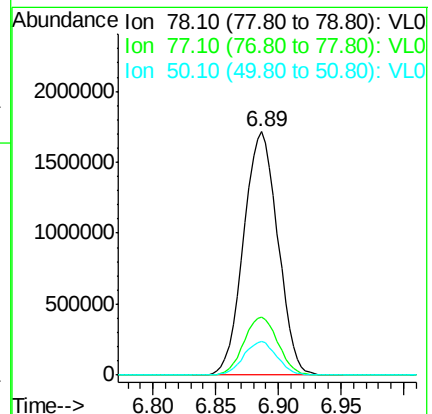
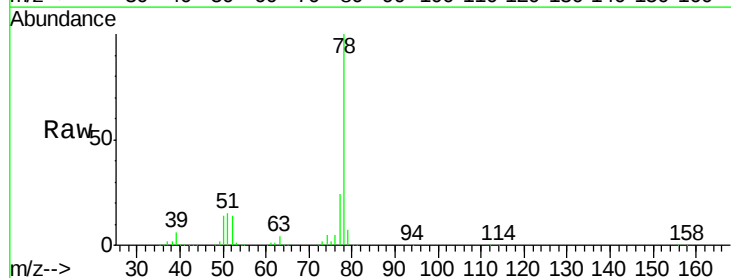
Tgt Ion: 78 Resp: 3257926

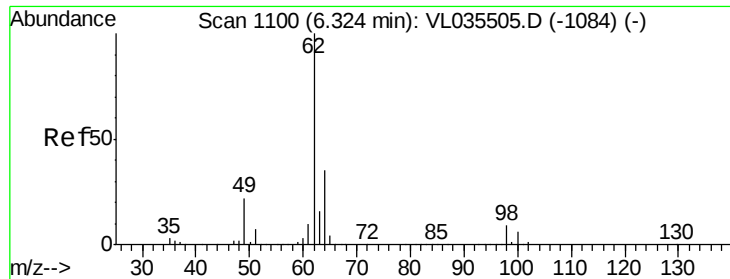
Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

50 14.1 11.0 16.6





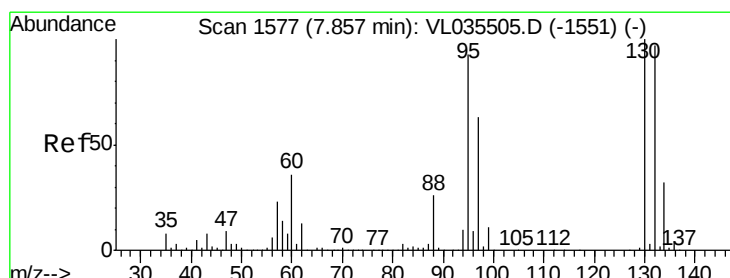
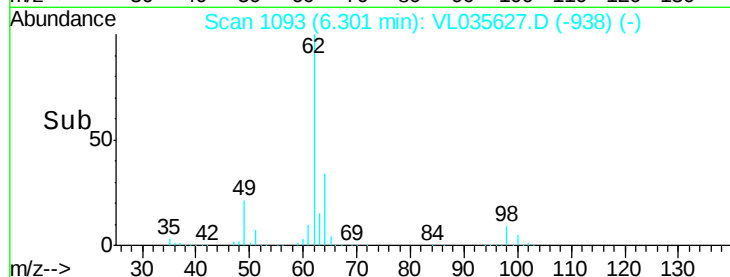
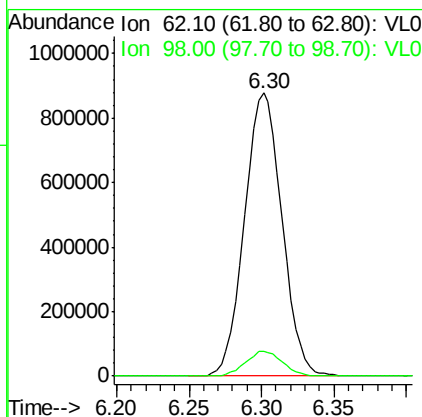
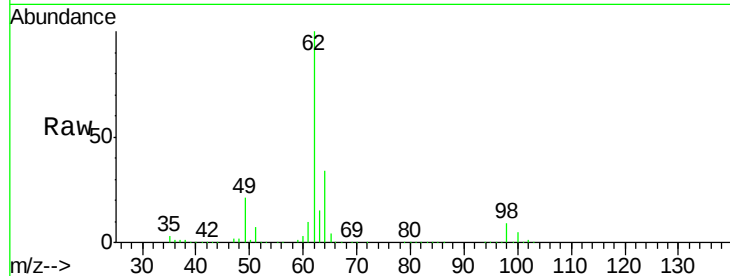
#37
 1,2-Dichloroethane
 Concen: 9.974 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1578052
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.4 11.0

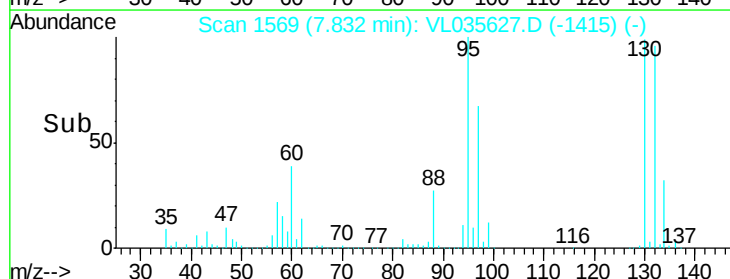
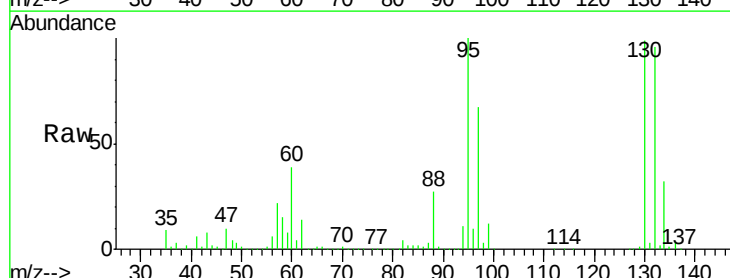
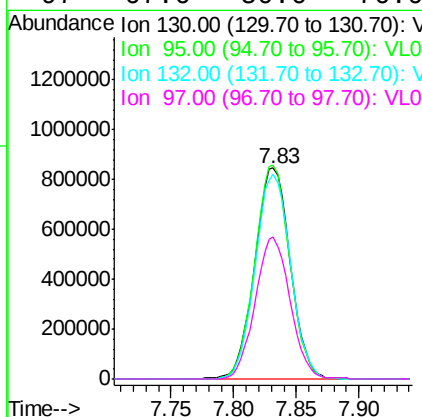
Manual Integrations
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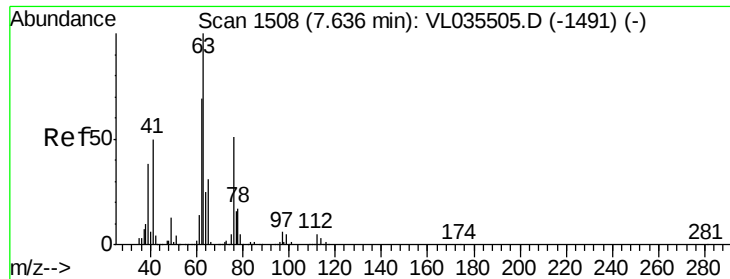
MMDadoda
 9/17/2020 1:52:22 PM



#38
 Trichloroethene
 Concen: 8.629 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 130 Resp: 1663414
 Ion Ratio Lower Upper
 130 100
 95 101.3 74.6 112.0
 132 97.3 77.6 116.4
 97 67.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 9.800 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1098715

Ion Ratio Lower Upper

63 100

41 50.7 40.0 60.0

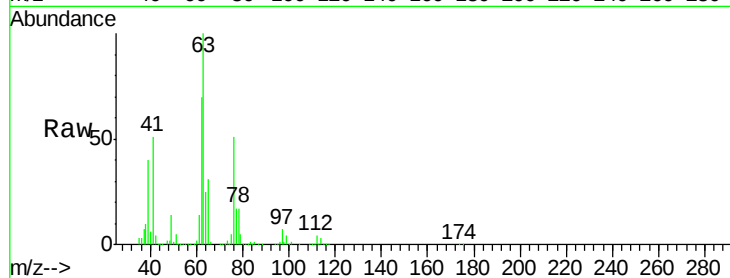
62 69.8 55.4 83.0

Manual Integrations

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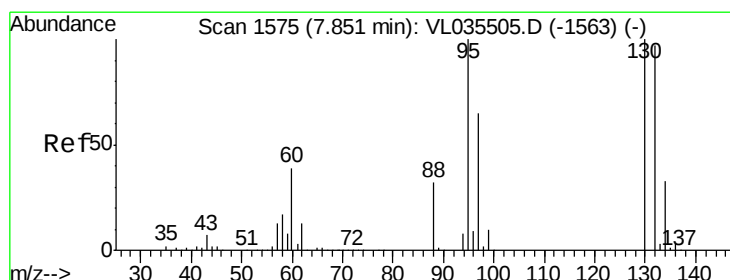
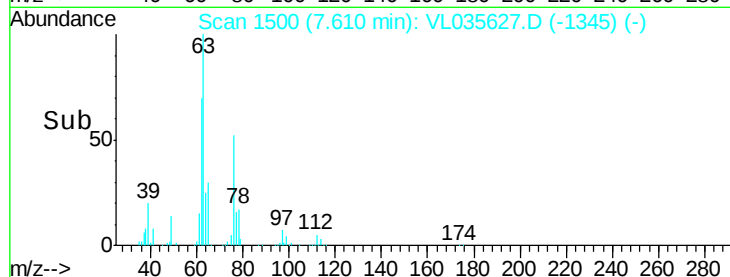
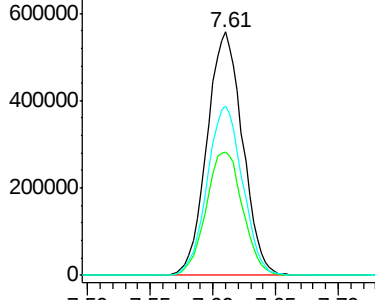
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.665 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion: 88 Resp: 597272

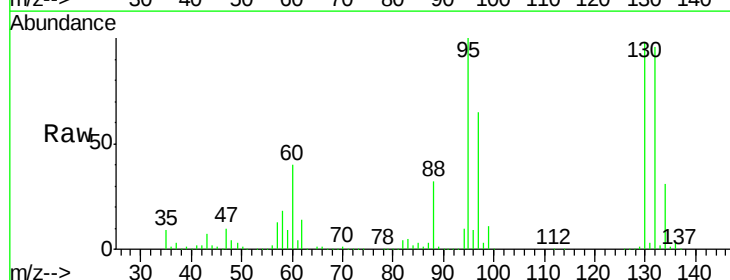
Ion Ratio Lower Upper

88 100

58 87.2 68.7 103.1

43 131.0 104.3 156.5

57 704.2 560.7 841.1

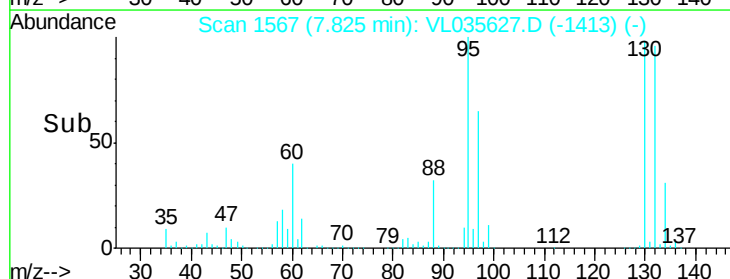
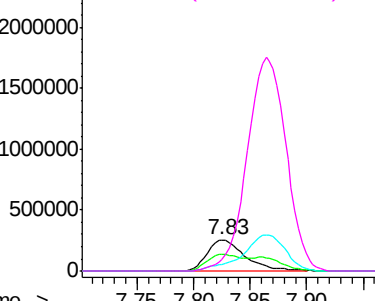


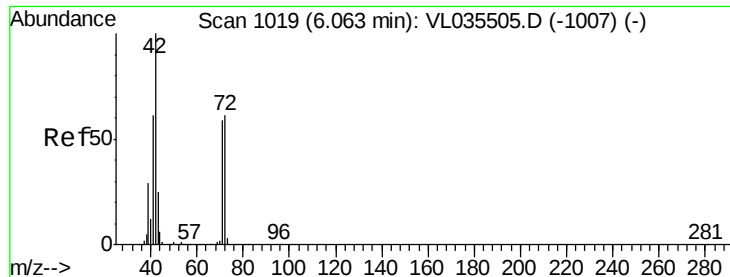
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.689 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

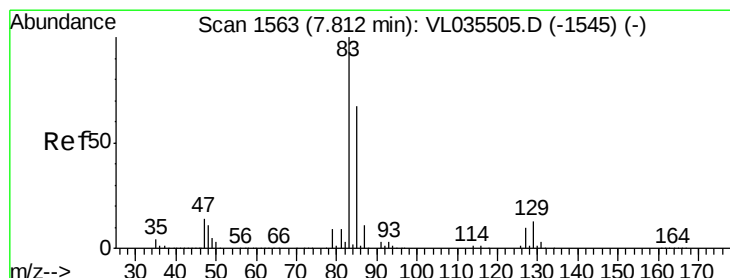
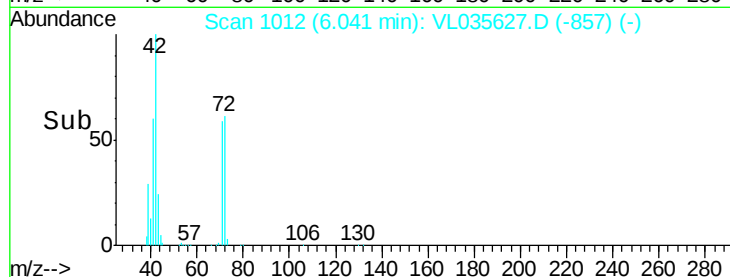
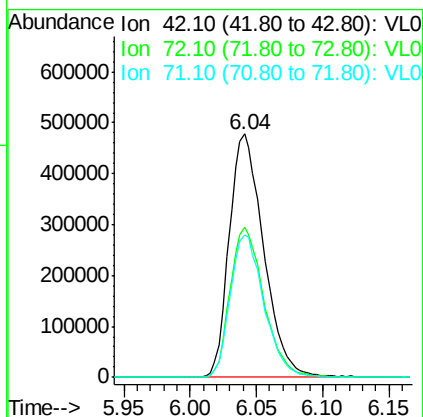
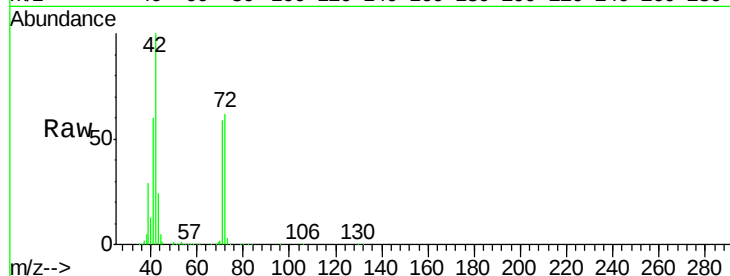
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	862440
Ion	Ratio	Lower	Upper
42	100		
72	60.6	48.6	73.0
71	57.7	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.569 ppbv

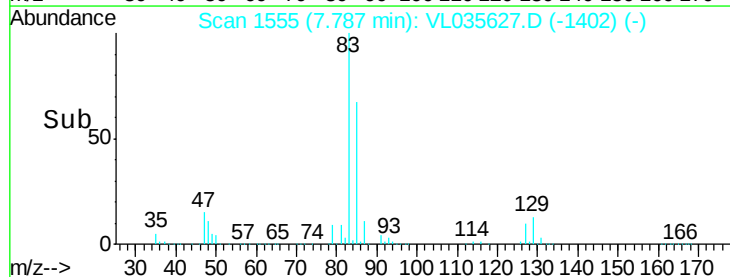
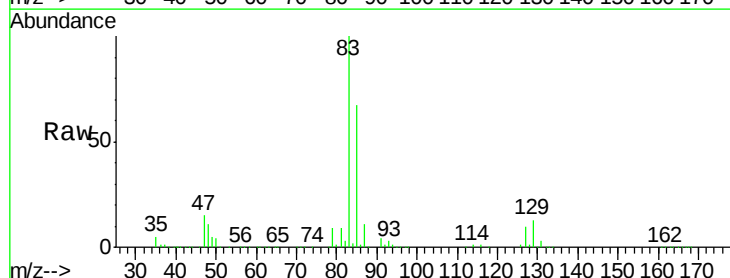
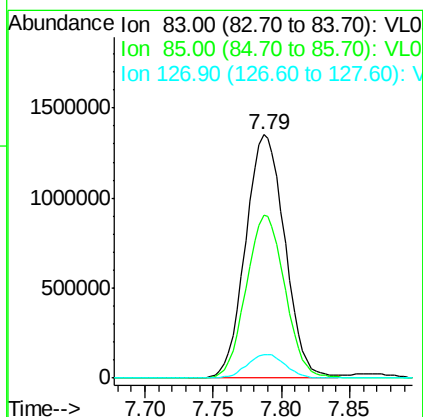
RT: 7.79 min Scan# 1555

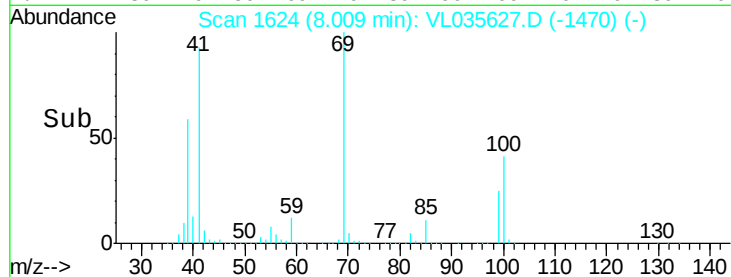
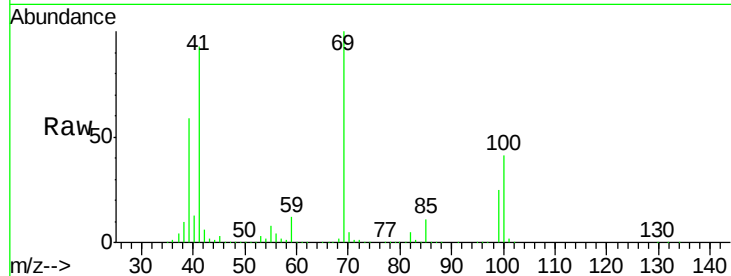
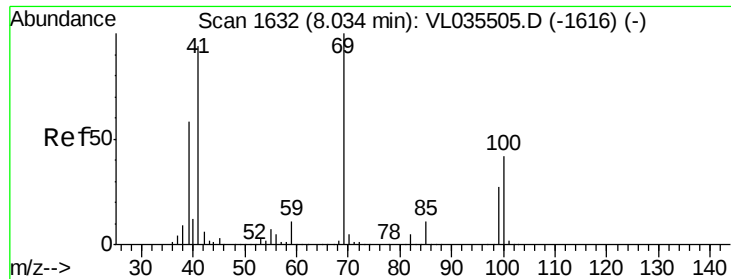
Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:	83	Resp:	2704104
Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.7	80.5
127	9.7	8.1	12.1





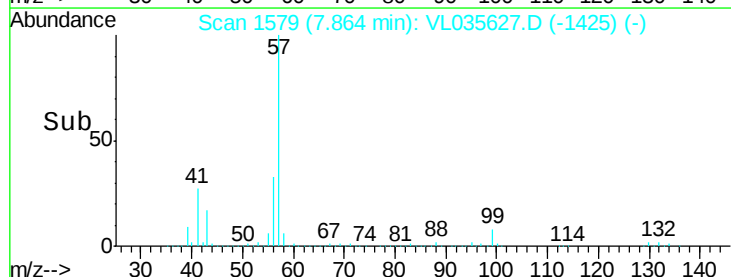
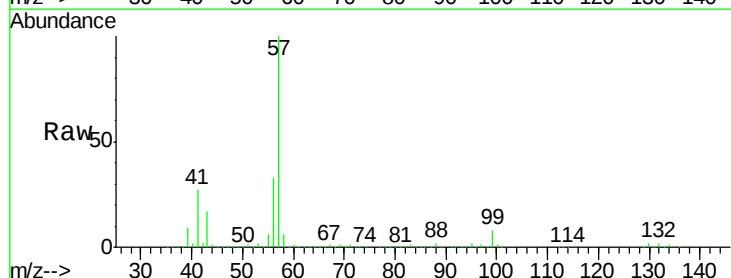
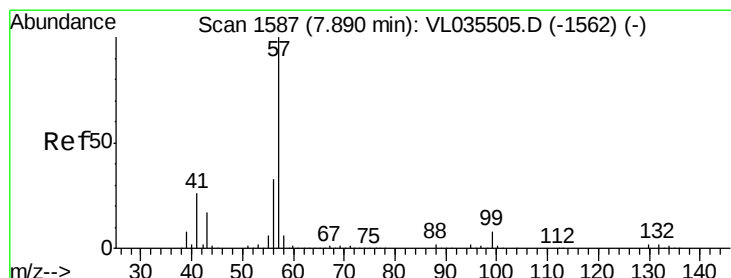
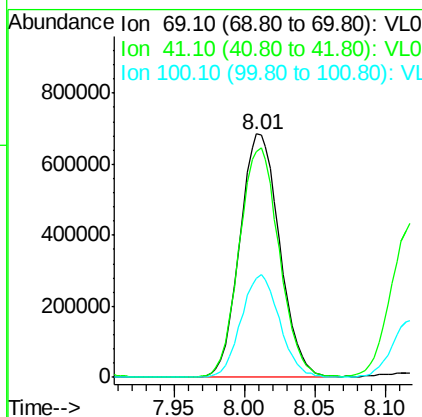
#43
Methvl Methacrilate
Concen: 10.589 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tot Ion: 69 Resp: 1358853
Ion Ratio Lower Upper
69 100
41 94.7 76.6 114.8
100 40.6 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

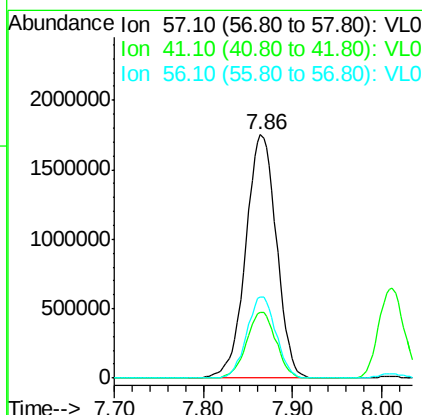
Manual Integrations
APPROVED

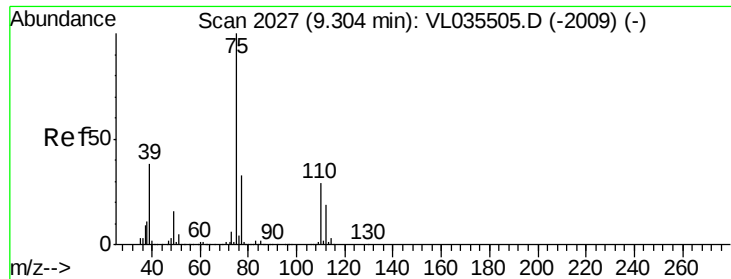
MMDadoda
9/17/2020 1:52:22 PM



#44
2,2,4-Trimethylpentane
Concen: 9.628 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 57 Resp: 4204033
Ion Ratio Lower Upper
57 100
41 25.9 20.5 30.7
56 31.8 25.3 37.9





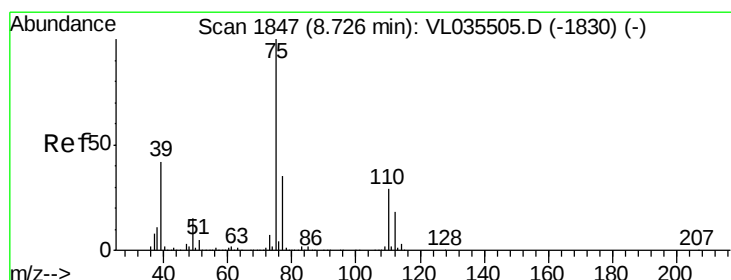
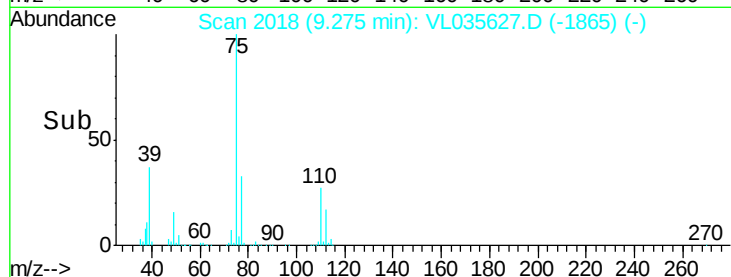
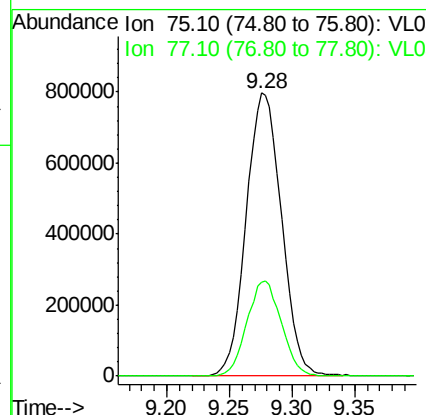
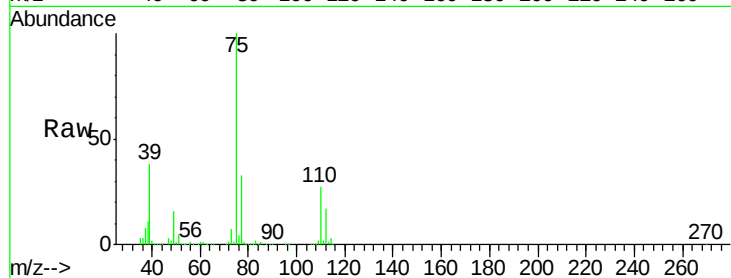
#45
t-1,3-Dichloropropene
Concen: 12.018 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1562389
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7

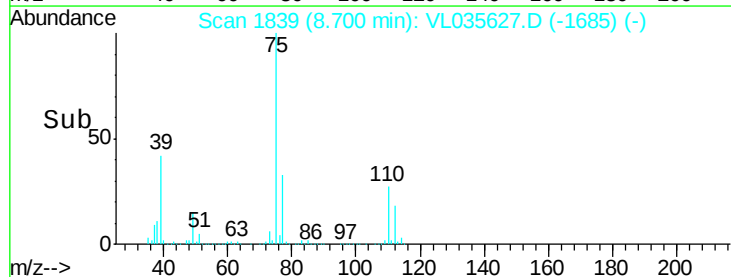
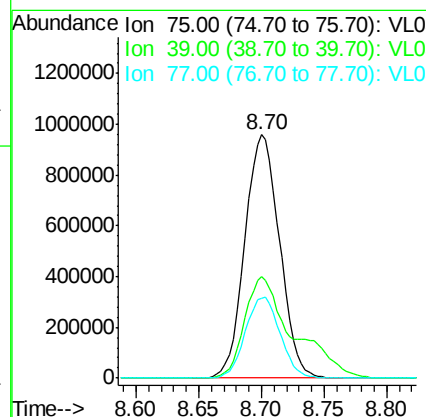
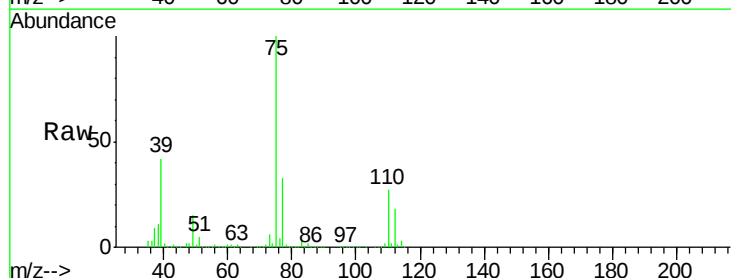
Manual Integrations
APPROVED

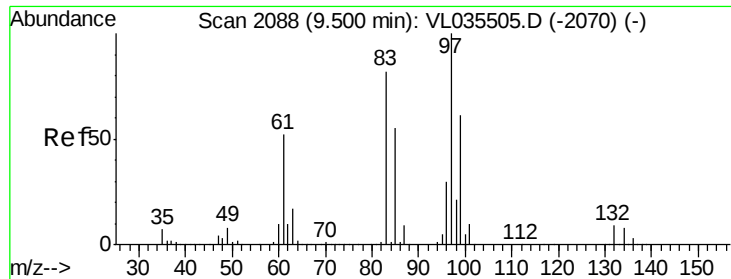
MMDadoda
9/17/2020 1:52:22 PM



#46
cis-1,3-Dichloropropene
Concen: 11.454 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 75 Resp: 1848666
Ion Ratio Lower Upper
75 100
39 41.9 33.7 50.5
77 33.0 27.8 41.6





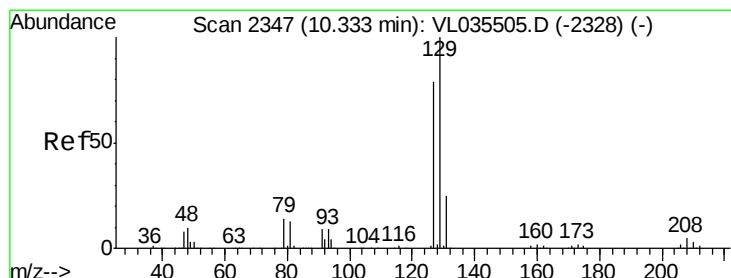
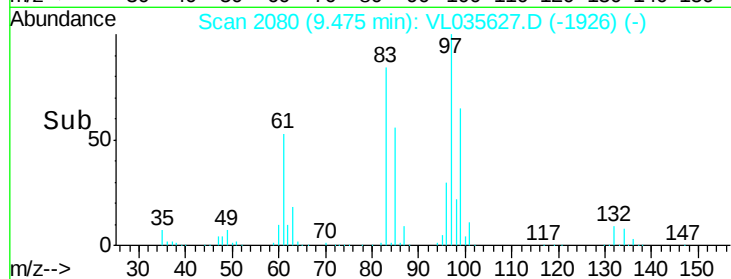
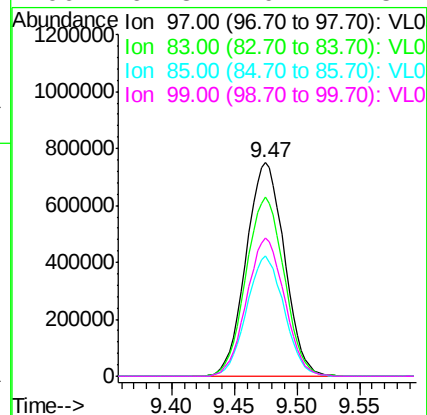
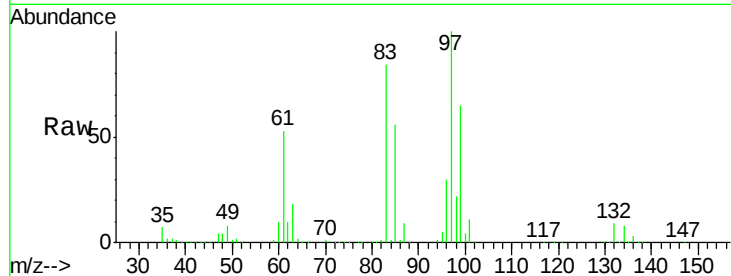
#47
 1,1,2-Trichloroethane
 Concen: 9.639 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.4	98.2
85	56.2	43.7	65.5
99	64.8	49.1	73.7

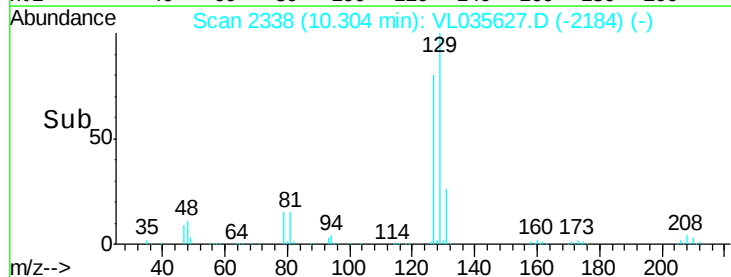
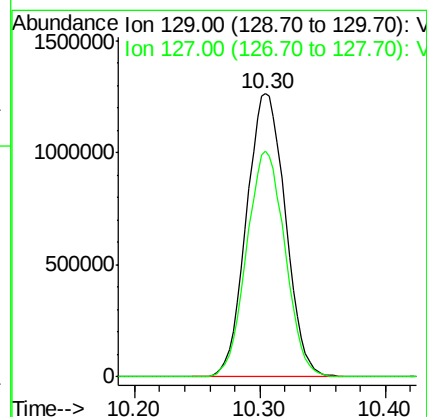
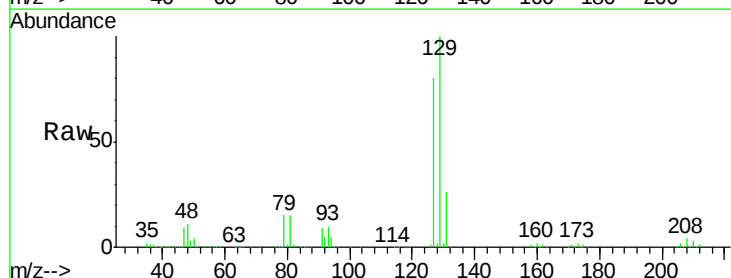
Manual Integrations
 APPROVED

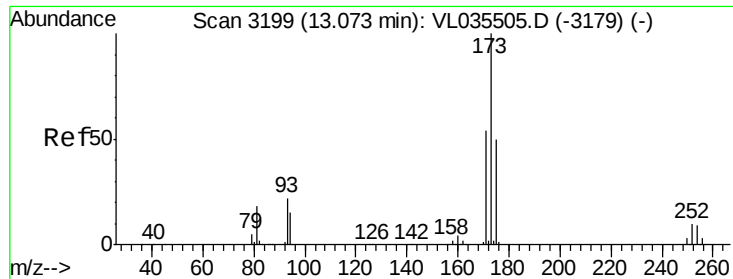
MMDadoda
 9/17/2020 1:52:22 PM



#48
 Dibromochloromethane
 Concen: 10.488 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8





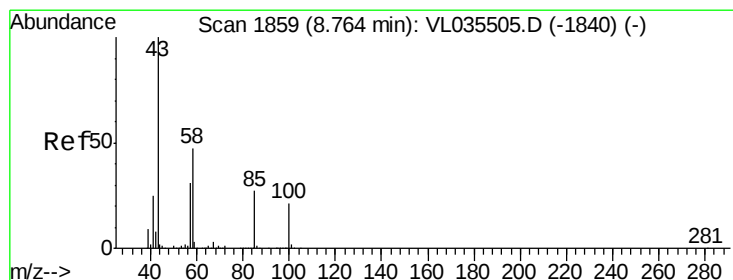
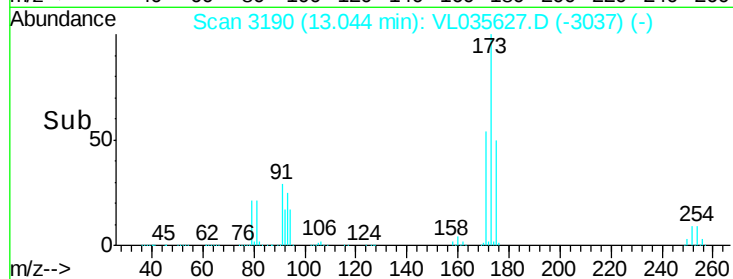
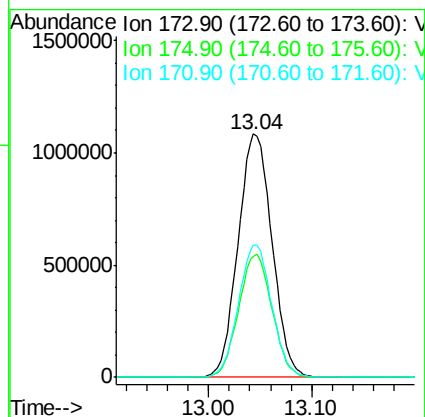
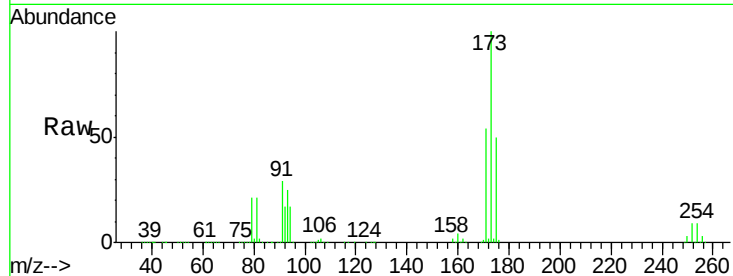
#49
Bromoform
Concen: 10.551 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.8	59.8
171	53.5	42.4	63.6

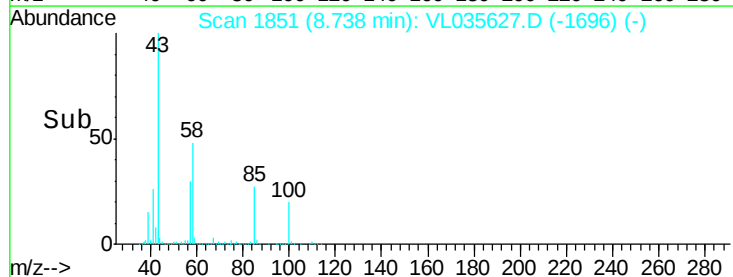
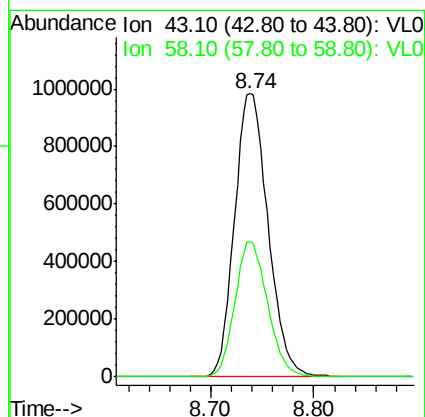
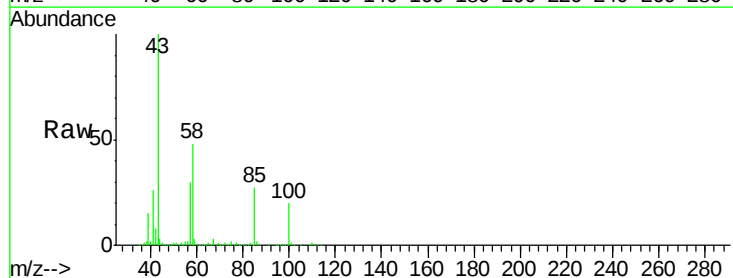
Manual Integrations
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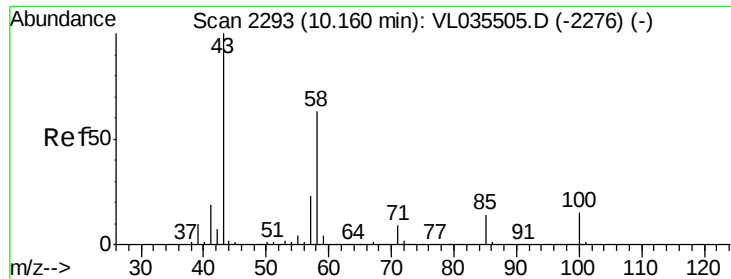
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.111 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.6	37.4	56.0





#51

2-Hexanone

Concen: 10.269 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1855947

Ion Ratio Lower Upper

43 100

58 63.0 50.2 75.4

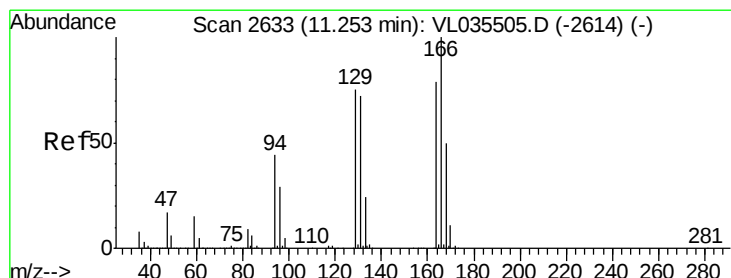
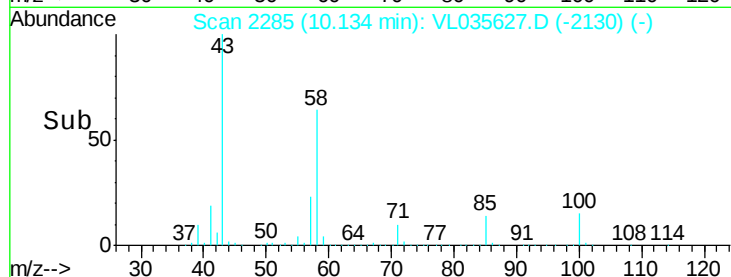
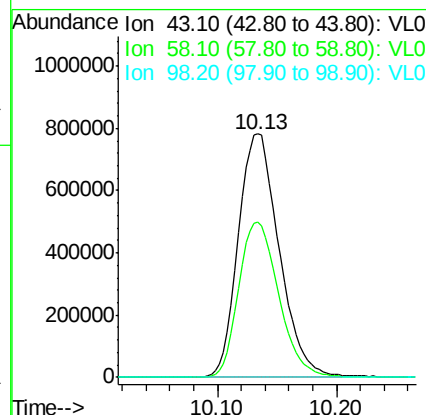
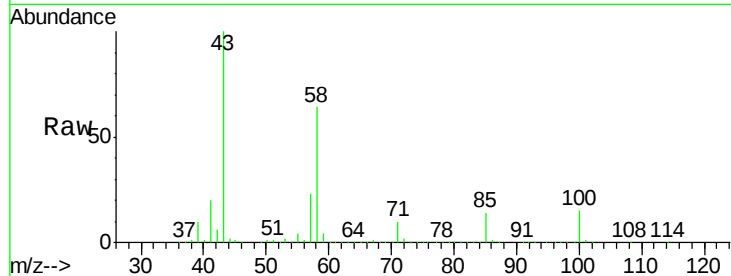
98 0.4 0.4 0.6#

Manual Integrations

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#52

Tetrachloroethene

Concen: 8.456 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion: 164 Resp: 1639380

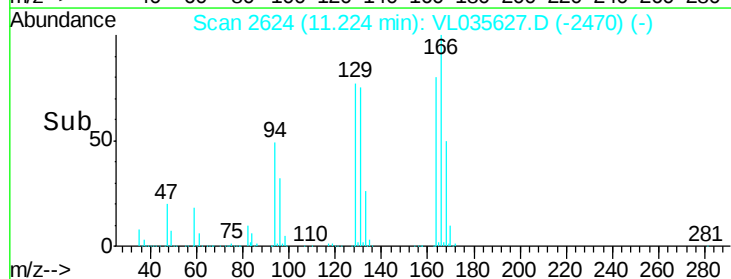
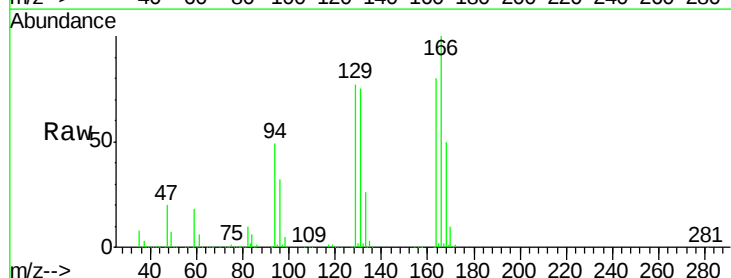
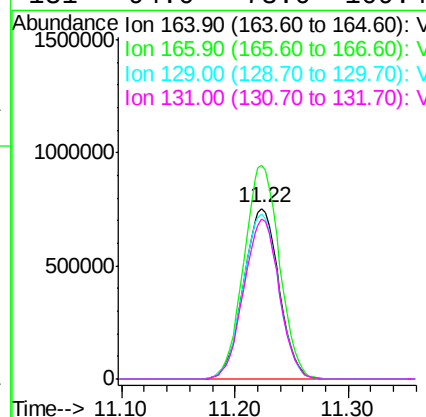
Ion Ratio Lower Upper

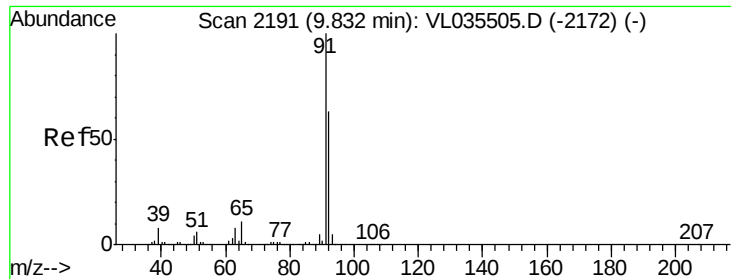
164 100

166 125.1 100.9 151.3

129 96.6 75.3 112.9

131 94.0 73.0 109.4





#53

Toluene

Concen: 9.823 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4099576

Ion Ratio Lower Upper

91 100

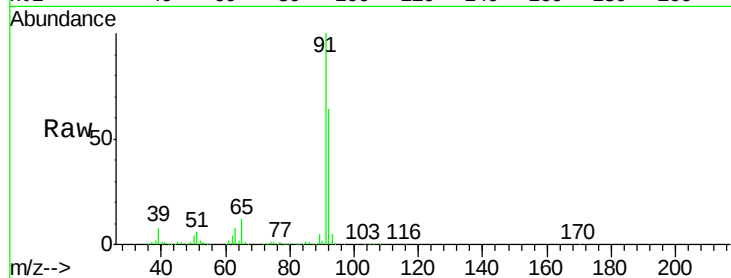
92 62.8 49.8 74.8

Manual Integrations

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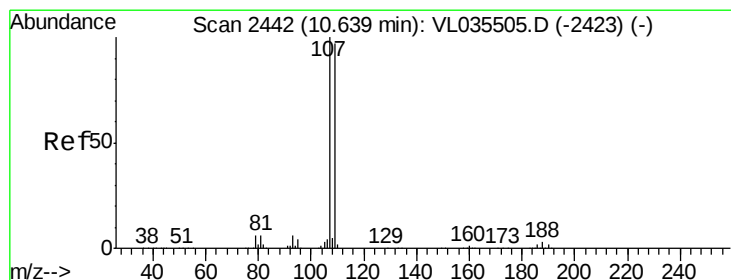
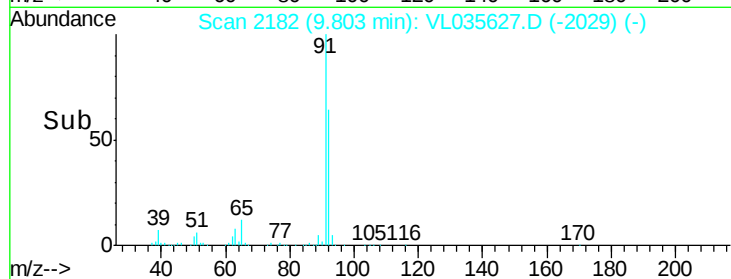
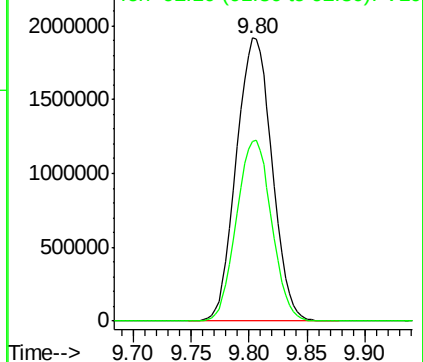
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.768 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035627.D

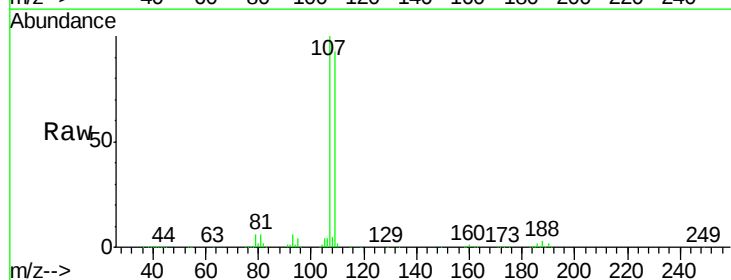
Acq: 16 Sep 2020 12:18

Tgt Ion: 107 Resp: 2553246

Ion Ratio Lower Upper

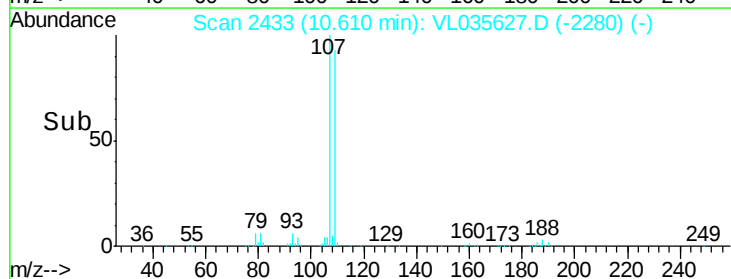
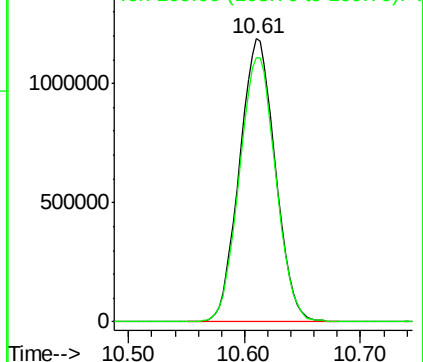
107 100

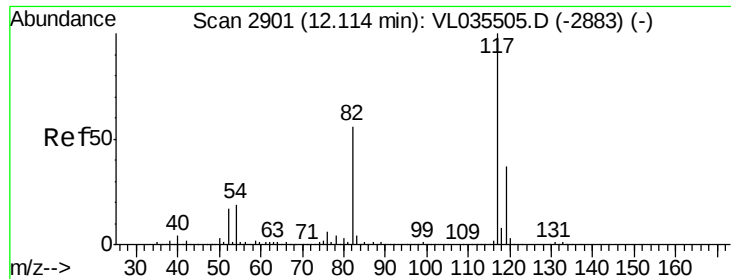
109 93.4 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





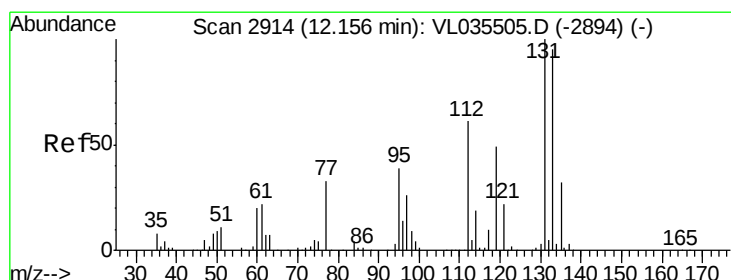
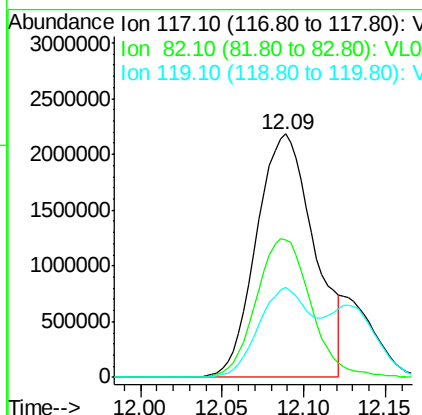
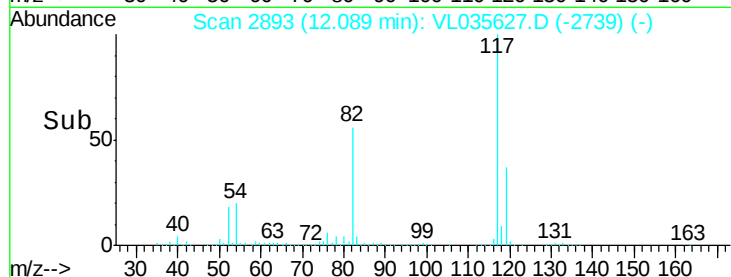
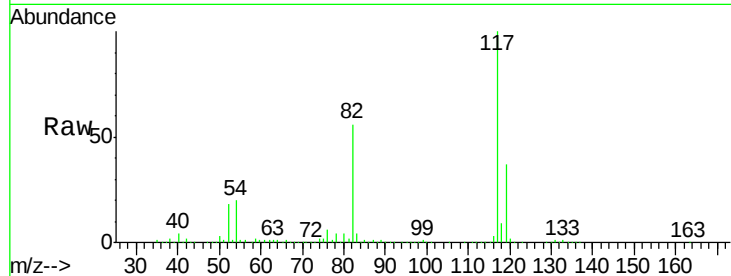
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5355020
Ion Ratio Lower Upper
117 100
82 54.4 41.6 62.4
119 34.3 29.3 43.9

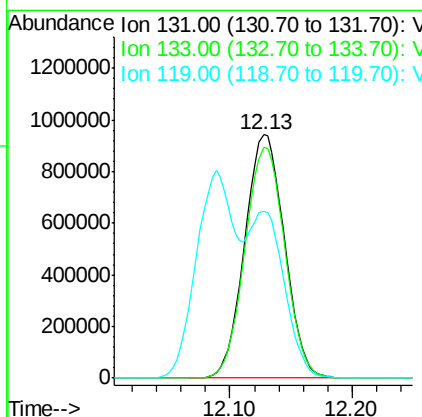
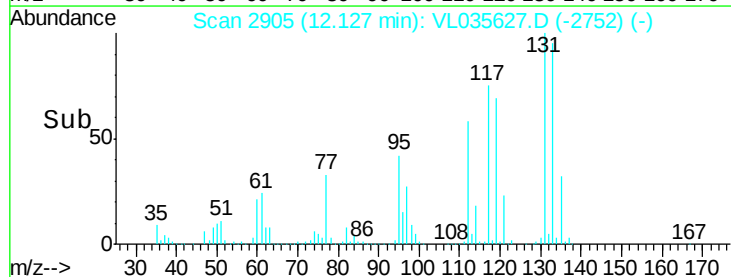
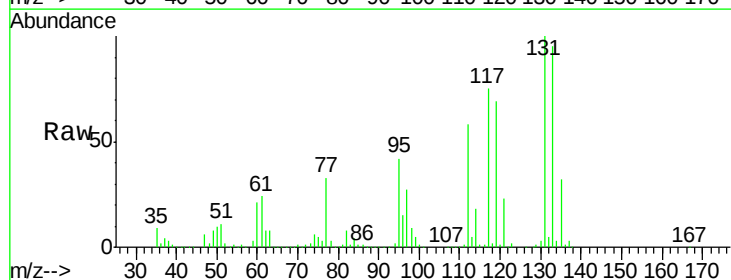
Manual Integrations
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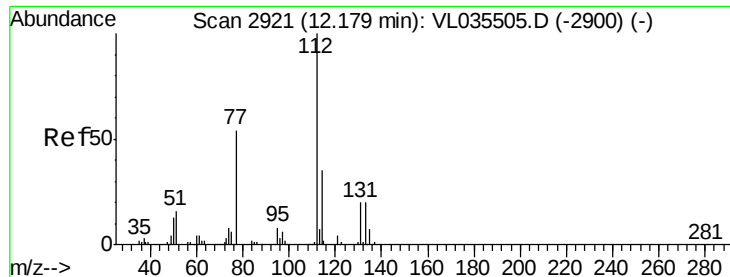
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.747 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion:131 Resp: 2123845
Ion Ratio Lower Upper
131 100
133 95.5 76.6 115.0
119 56.2 51.6 77.4





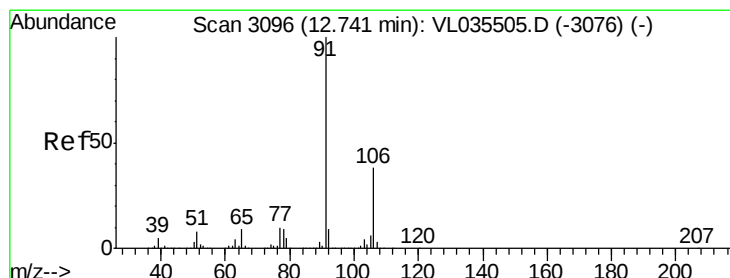
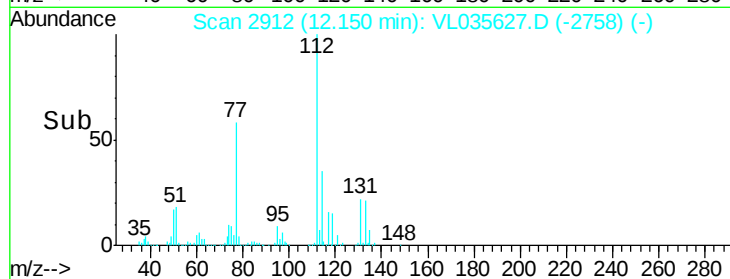
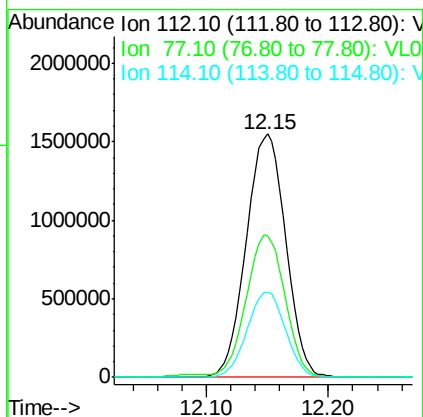
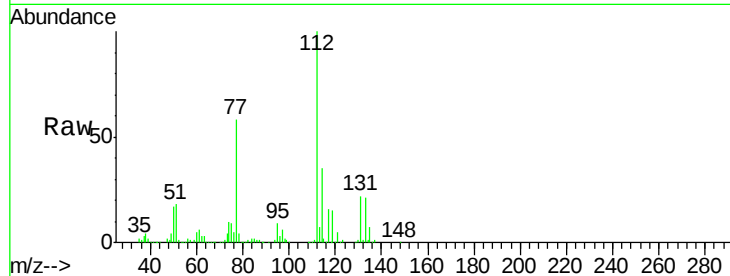
#57
Chlorobenzene
Concen: 8.784 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.8	44.2	66.4
114	34.8	31.6	38.6

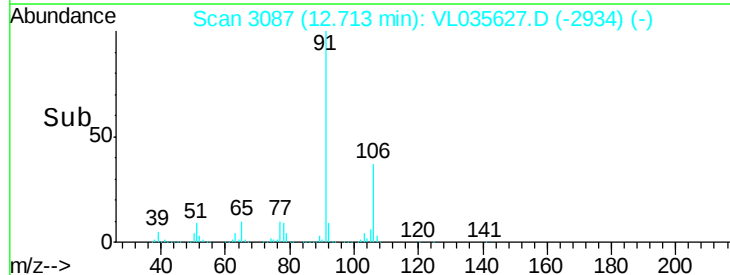
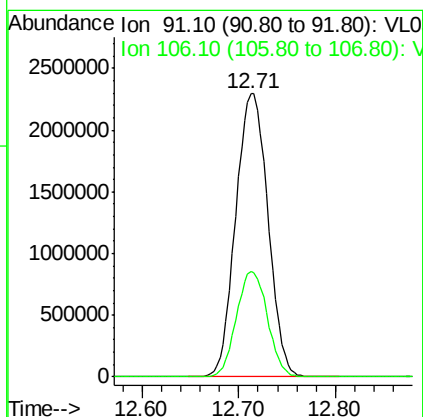
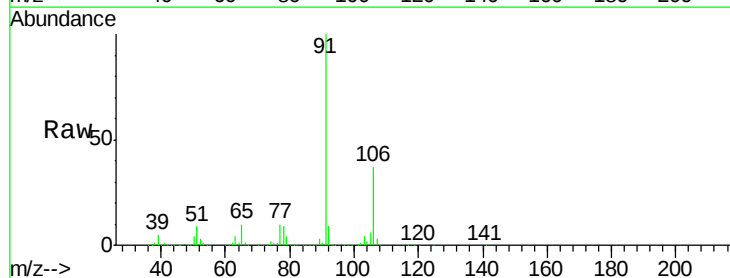
Manual Integrations
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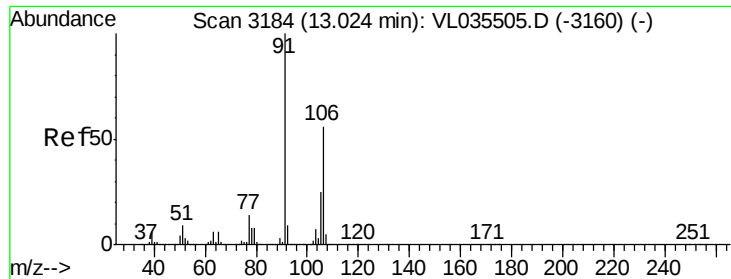
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#58
Ethyl Benzene
Concen: 9.648 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.4	30.3	45.5





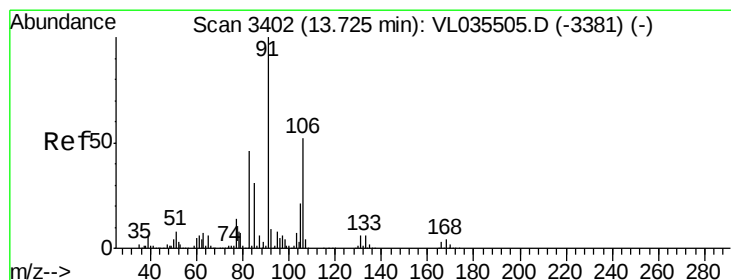
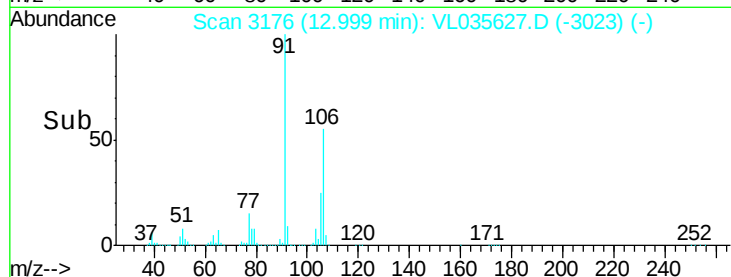
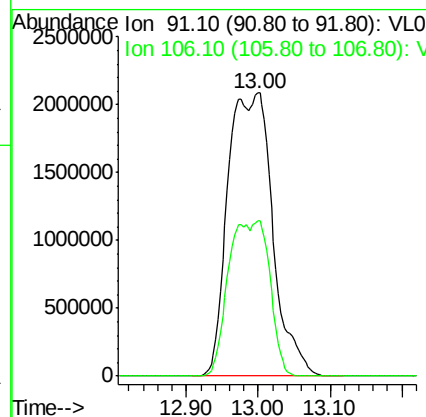
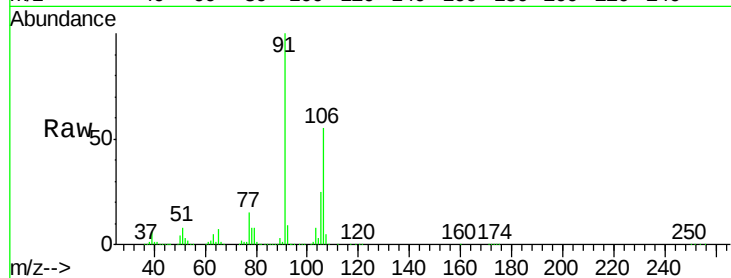
#59
m/p-Xylene
Concen: 19.555 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9023338
Ion Ratio Lower Upper
91 100
106 50.7 43.4 65.2

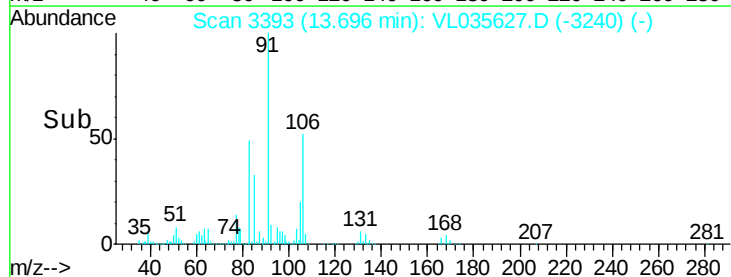
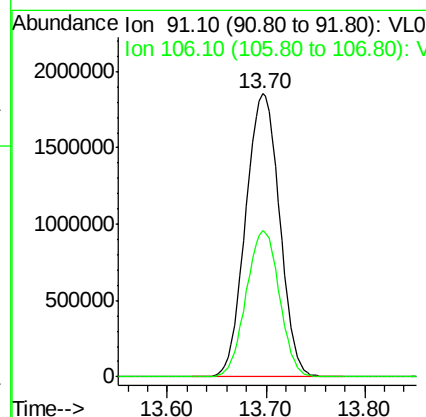
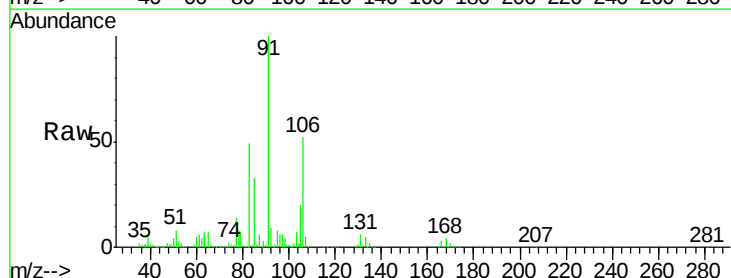
Manual Integrations
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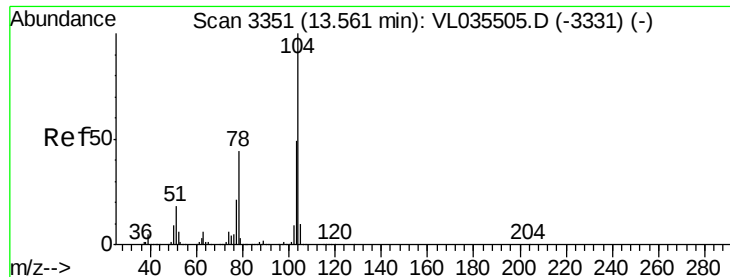
MMDadoda
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#60
o-Xylene
Concen: 9.488 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion: 91 Resp: 4409490
Ion Ratio Lower Upper
91 100
106 50.7 25.8 77.4





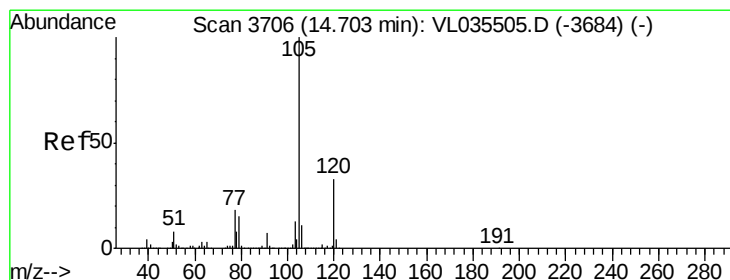
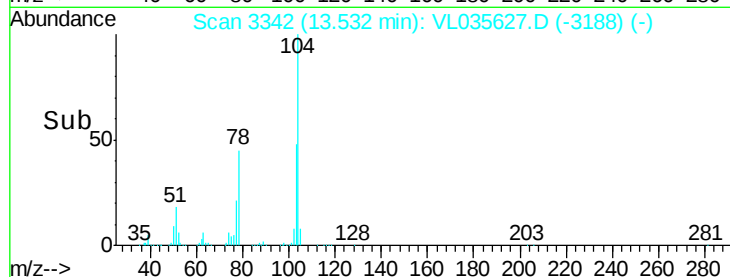
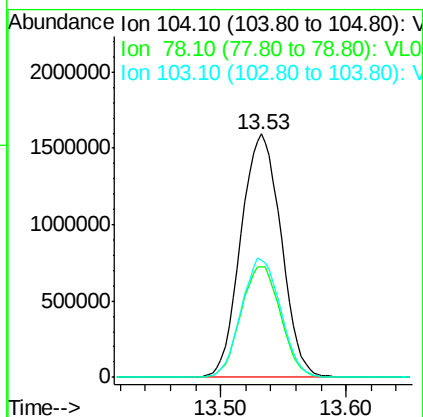
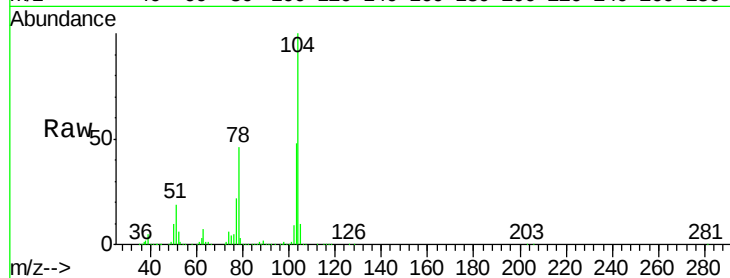
#61
Stvrene
Concen: 9.988 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.4	34.8	52.2
103	48.0	38.2	57.4

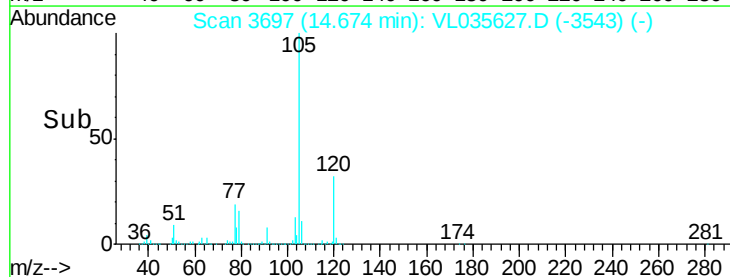
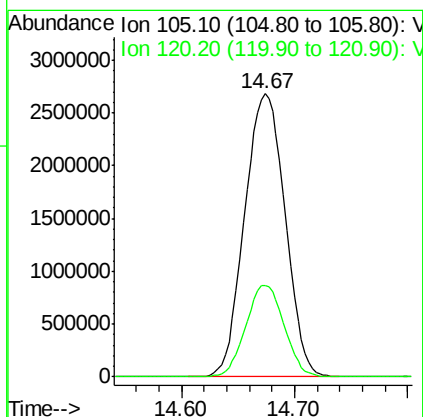
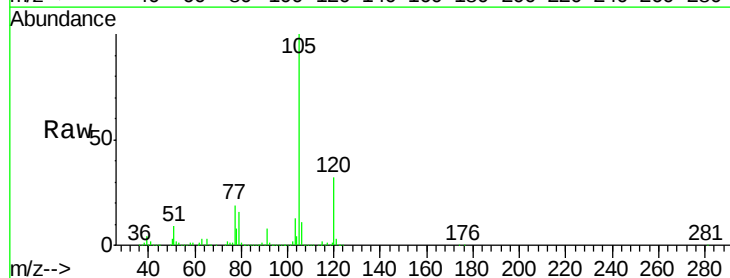
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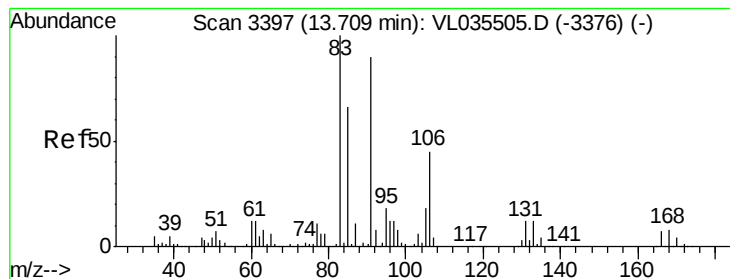
MMDadoda
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#62
Isopropylbenzene
Concen: 8.939 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.7	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.803 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3171877

Ion Ratio Lower Upper

83 100

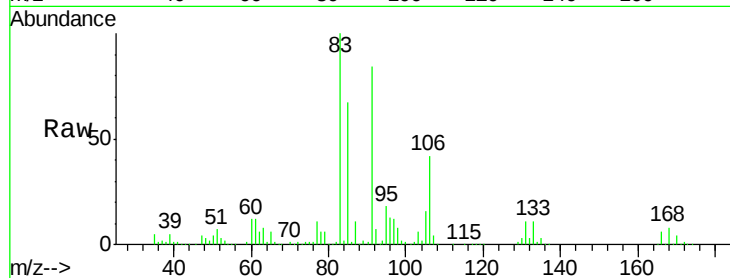
131 11.3 6.0 18.0

85 67.0 33.4 100.2

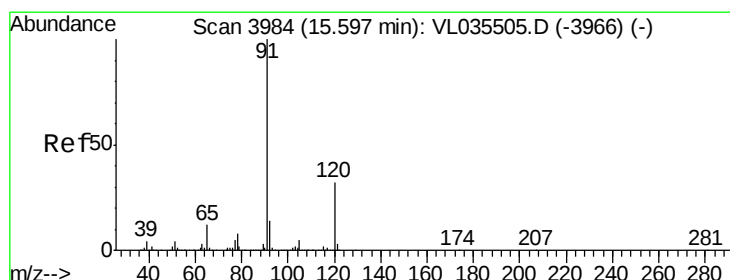
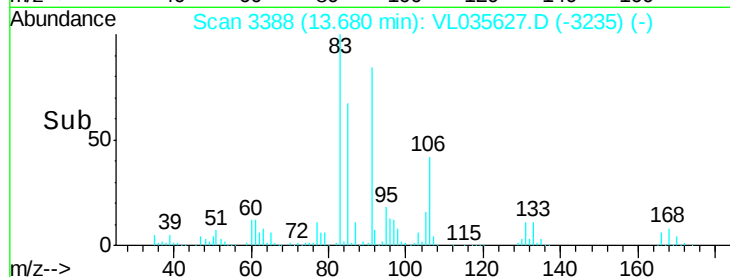
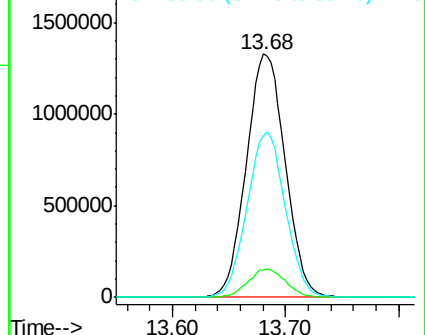
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.176 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. -0.01 min

Lab File: VL035627.D

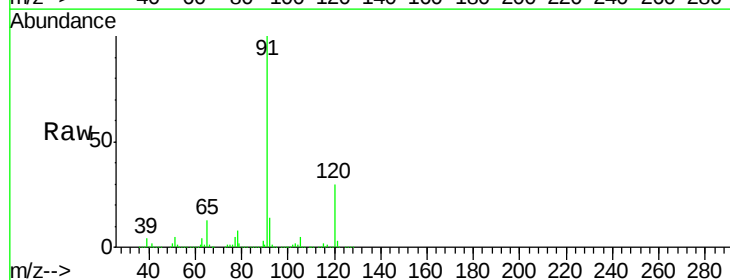
Acq: 16 Sep 2020 12:18

Tgt Ion:120 Resp: 2090459

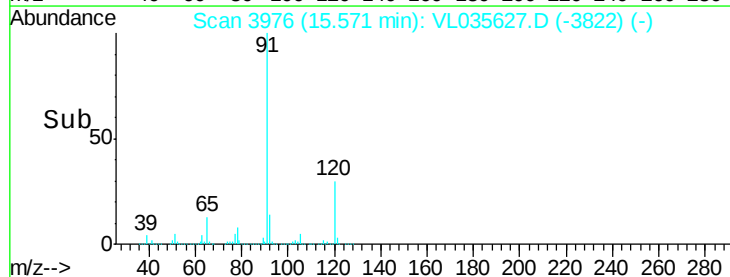
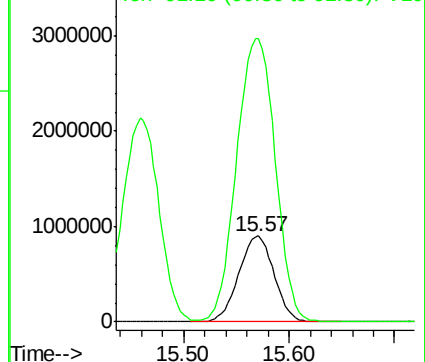
Ion Ratio Lower Upper

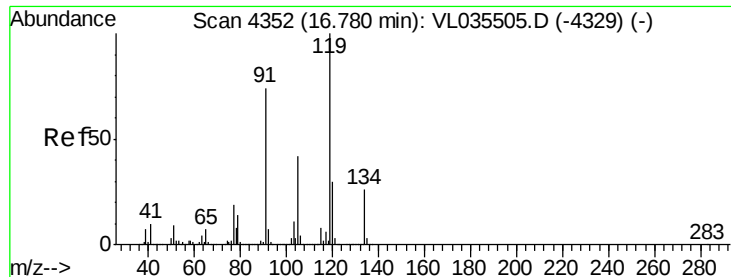
120 100

91 363.1 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.997 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

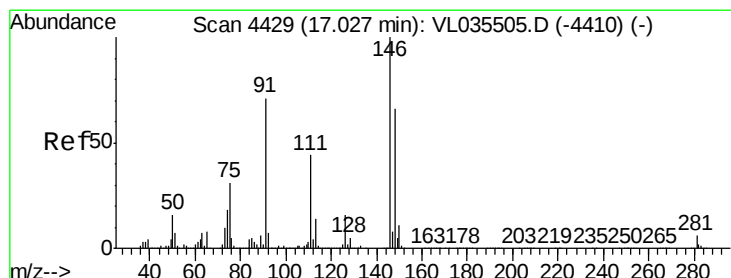
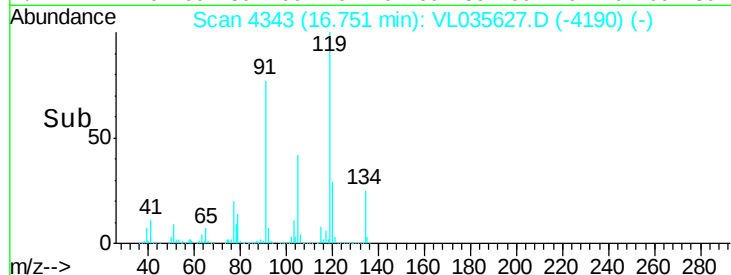
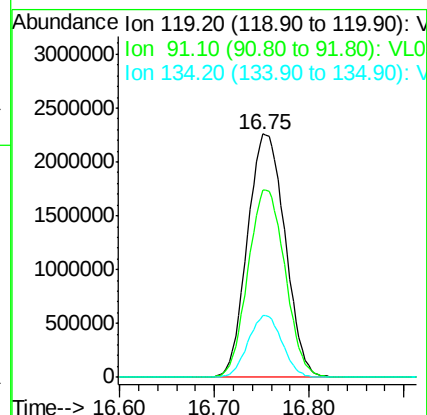
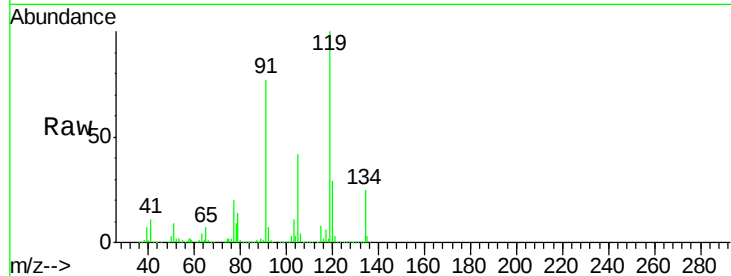
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	6243250
Ion	Ratio	Lower	Upper
119	100		
91	76.0	58.6	87.8
134	23.2	18.9	28.3

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#66

Benzyl Chloride

Concen: 12.508 ppbv

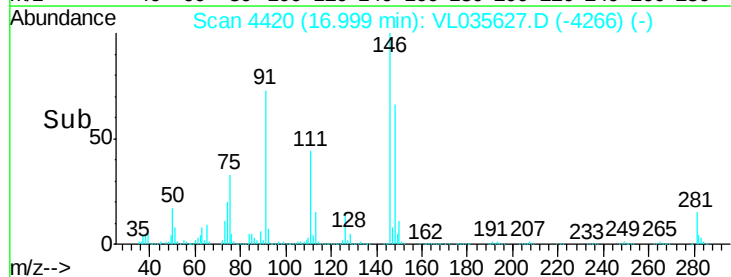
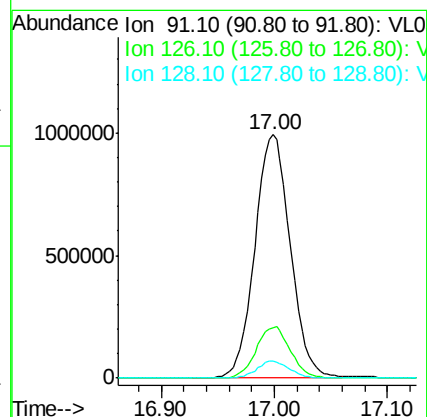
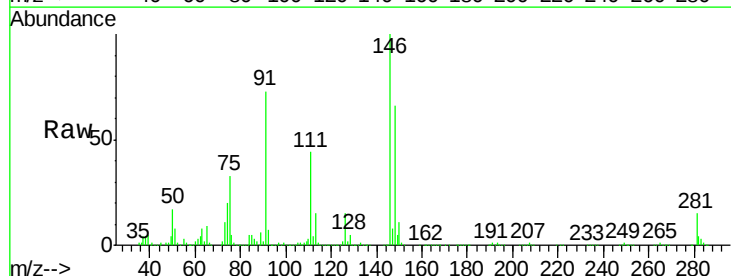
RT: 17.00 min Scan# 4420

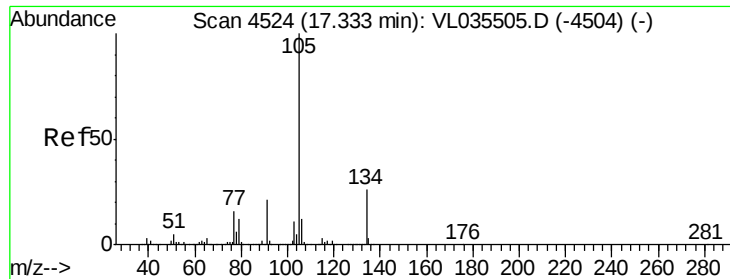
Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:	91	Resp:	2157172
Ion	Ratio	Lower	Upper
91	100		
126	20.4	17.2	25.8
128	6.5	5.5	8.3





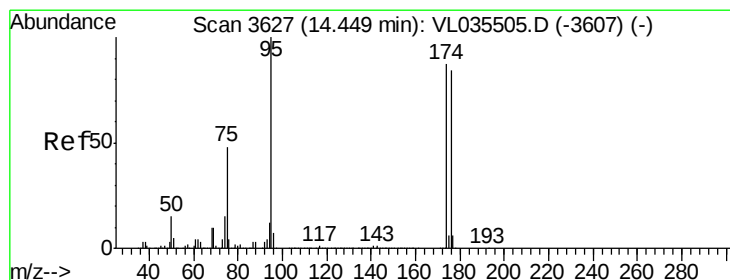
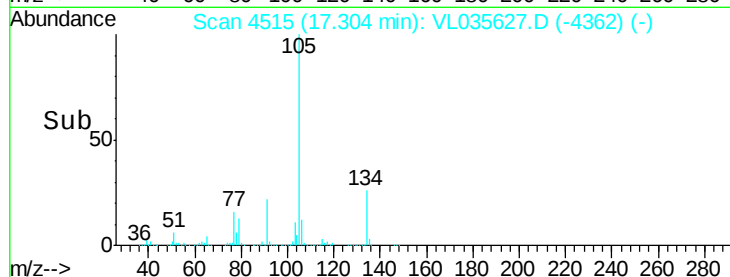
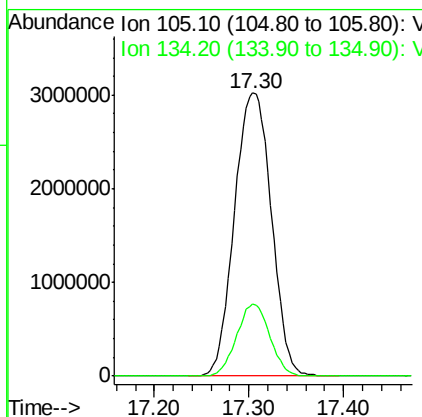
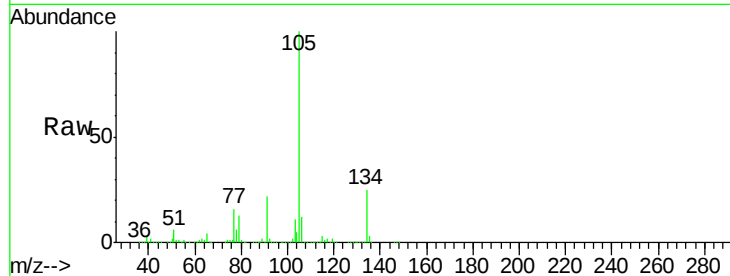
#67
 sec-Butylbenzene
 Concen: 8.856 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 8188216
 Ion Ratio Lower Upper
 105 100
 134 22.9 19.1 28.7

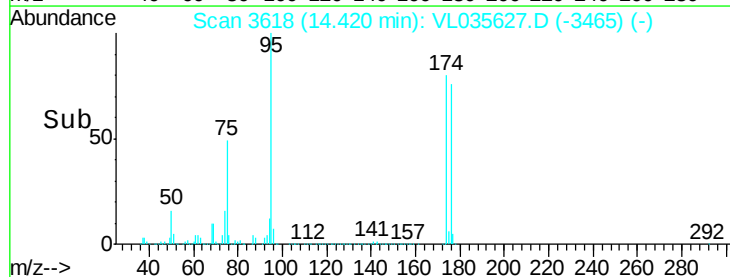
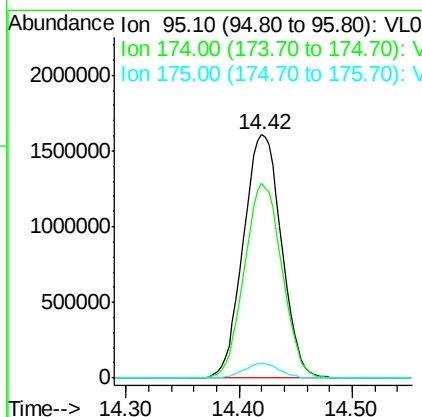
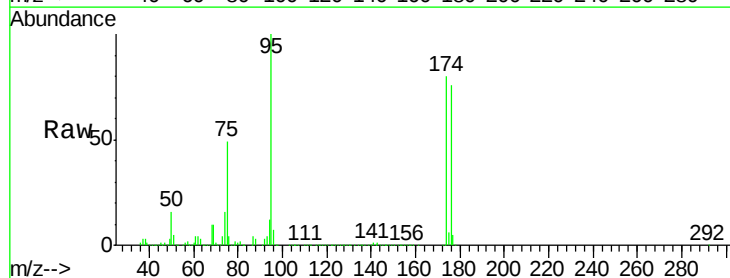
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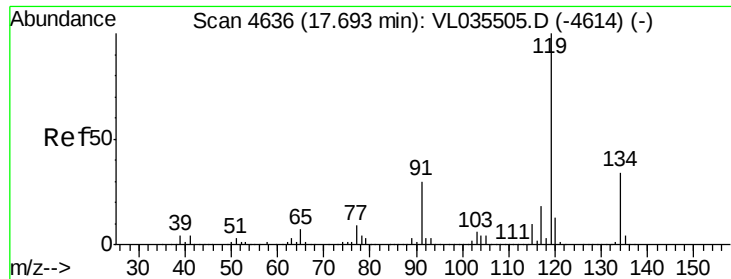
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.915 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion: 95 Resp: 3770504
 Ion Ratio Lower Upper
 95 100
 174 79.4 69.6 104.4
 175 5.8 5.1 7.7





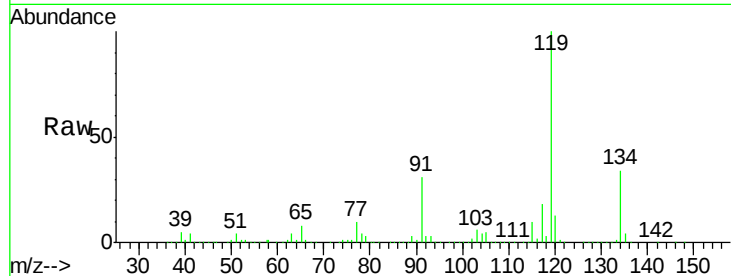
#69
 p-Isopropyltoluene
 Concen: 8.662 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

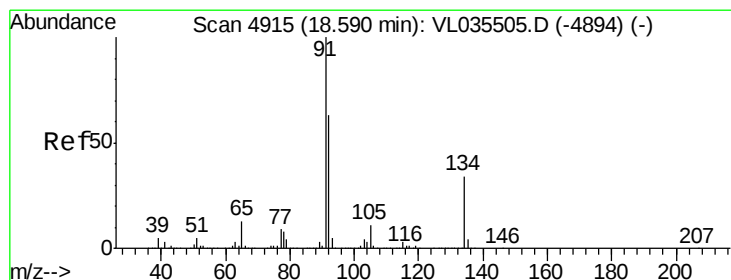
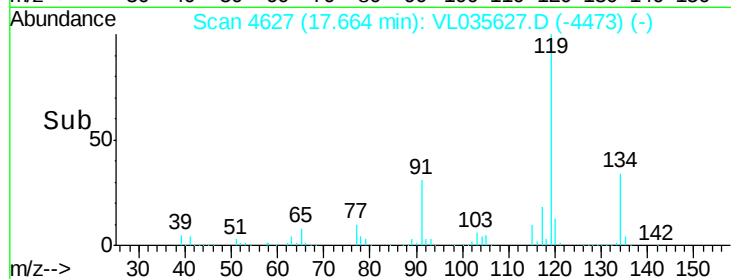
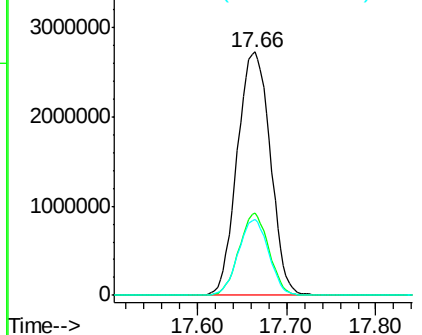
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	25.0	37.4
91	28.7	22.3	33.5

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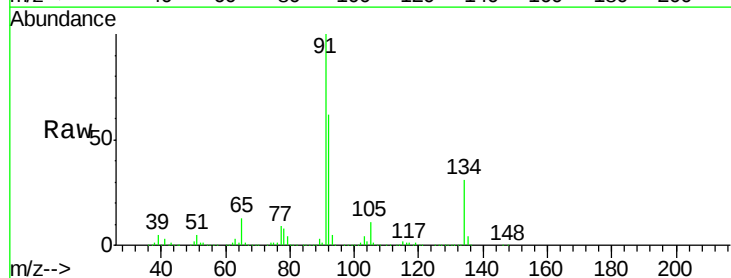


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

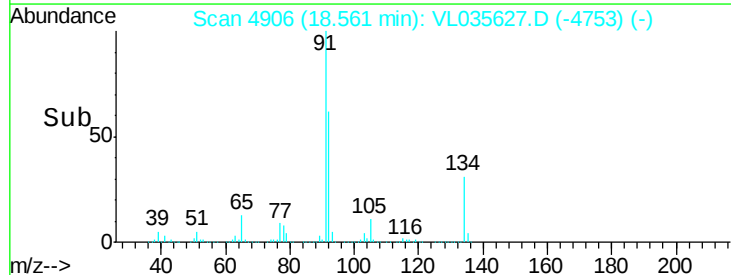
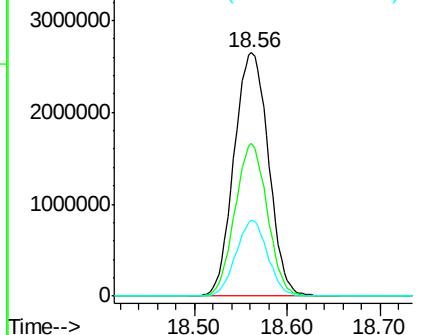


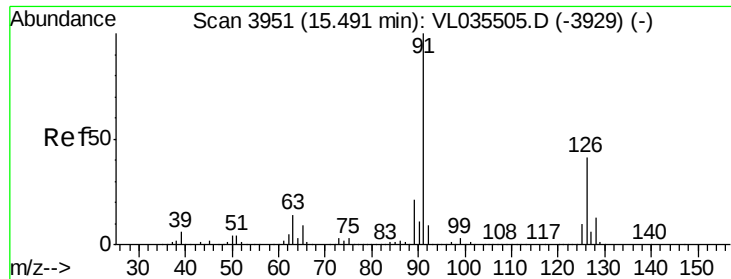
#70
 n-Butylbenzene
 Concen: 8.717 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.3	70.9
134	28.7	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: 9.399 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5109909

Ion Ratio Lower Upper

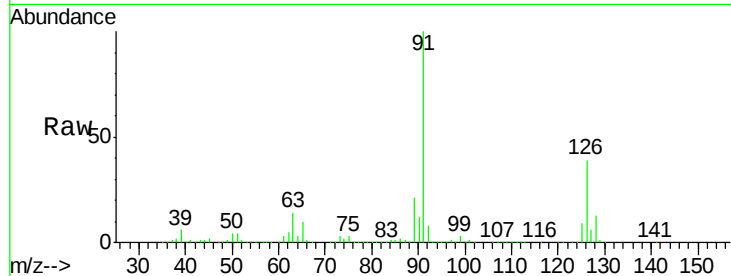
91 100

126 37.7 15.6 62.6

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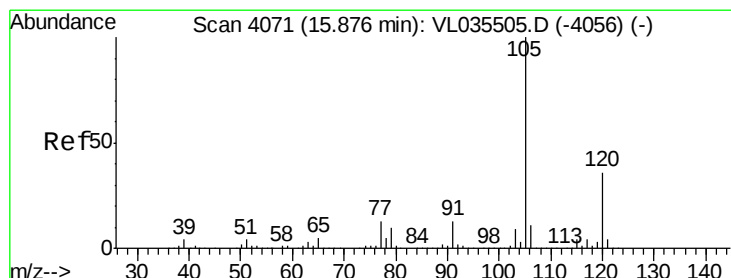
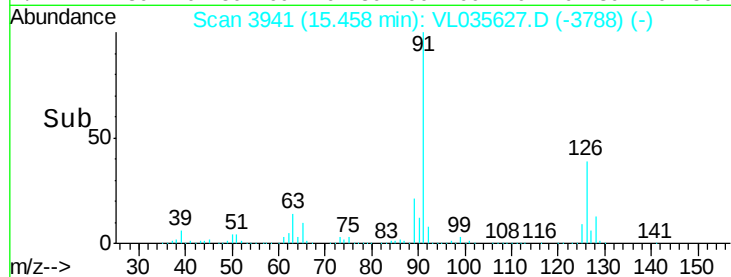
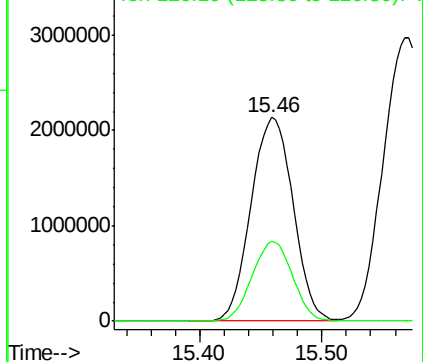
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.250 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:105 Resp: 5465139

Ion Ratio Lower Upper

105 100

120 33.6 27.4 41.2

91 12.3 9.7 14.5

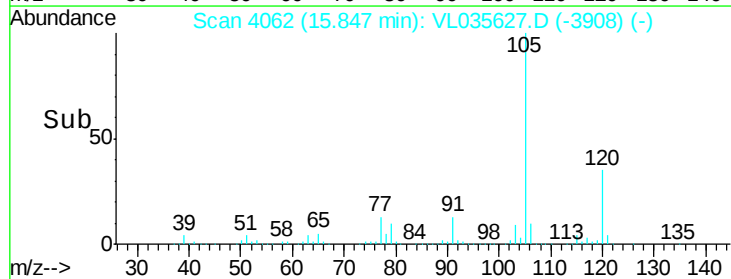
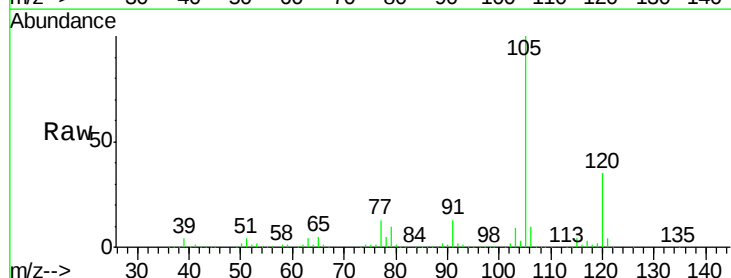
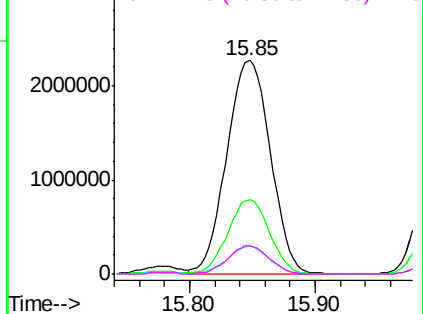
77 12.5 9.6 14.4

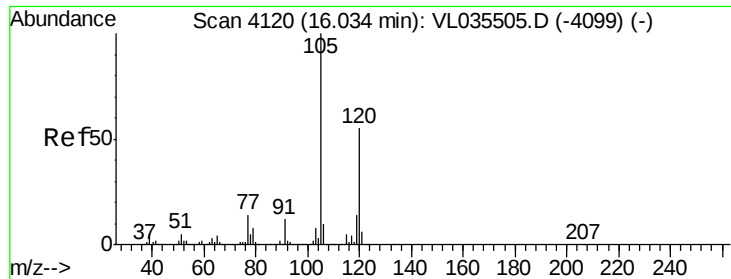
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.300 ppbv

RT: 16.01 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5082003

Ion Ratio Lower Upper

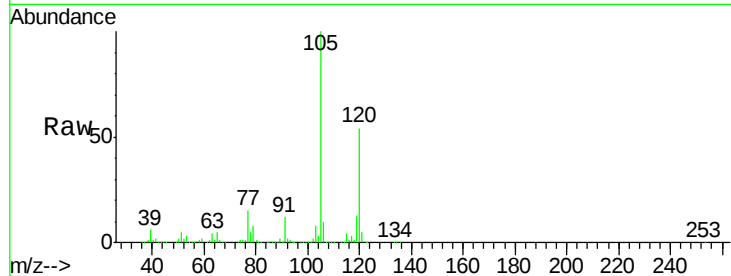
105 100

120 54.2 44.2 66.2

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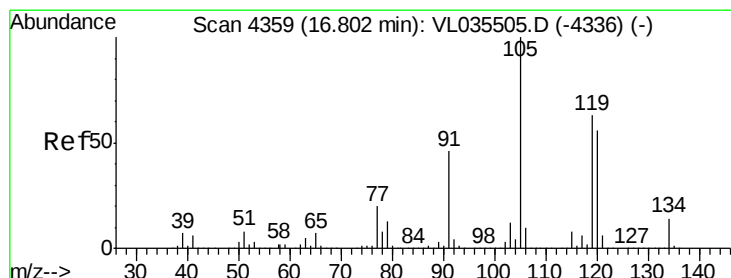
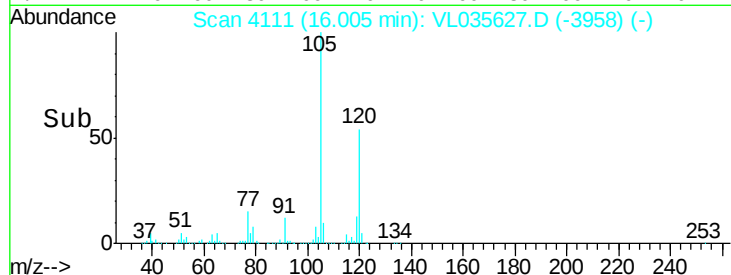
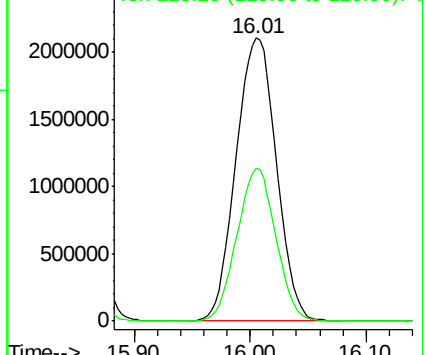
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.774 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Tgt Ion:105 Resp: 5265434

Ion Ratio Lower Upper

105 100

120 53.8 44.4 66.6

91 48.2 37.1 55.7

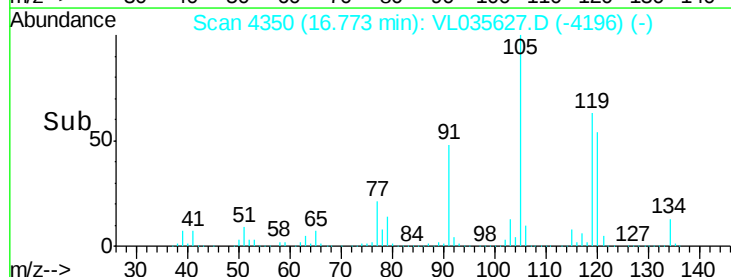
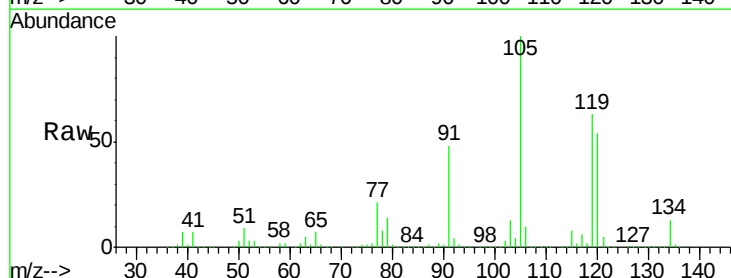
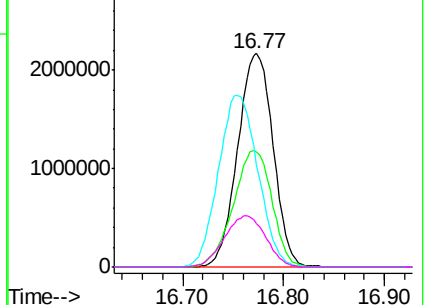
77 20.5 16.0 24.0

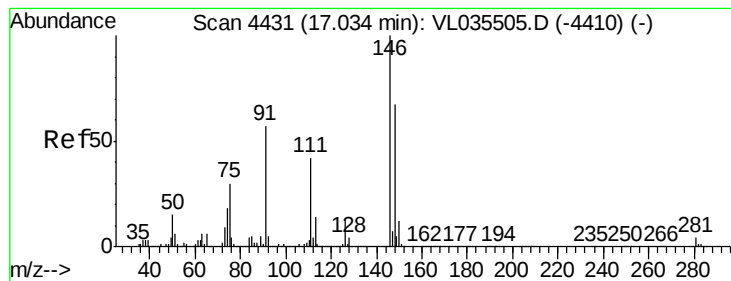
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.159 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3626694

Ion Ratio Lower Upper

146 100

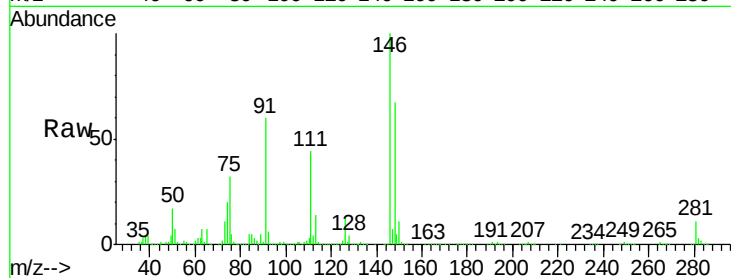
111 42.9 20.7 62.1

148 65.7 33.0 98.9

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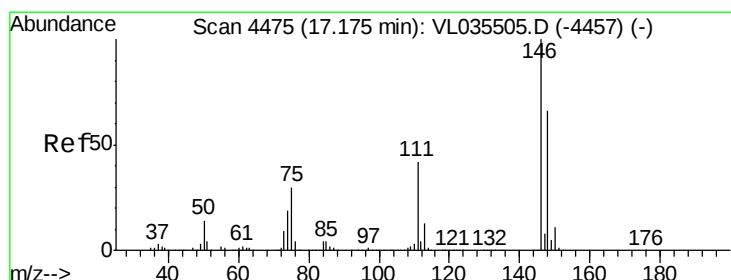
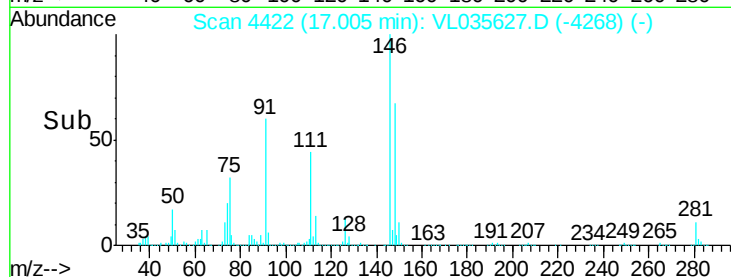
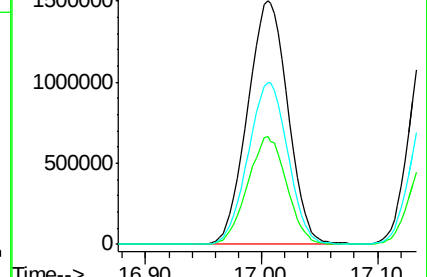
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.395 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL035627.D

Acq: 16 Sep 2020 12:18

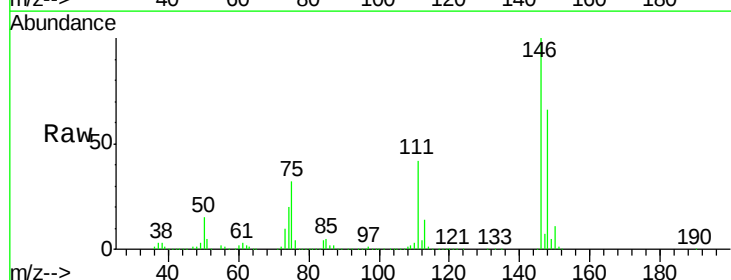
Tgt Ion:146 Resp: 3680440

Ion Ratio Lower Upper

146 100

111 41.3 20.0 60.0

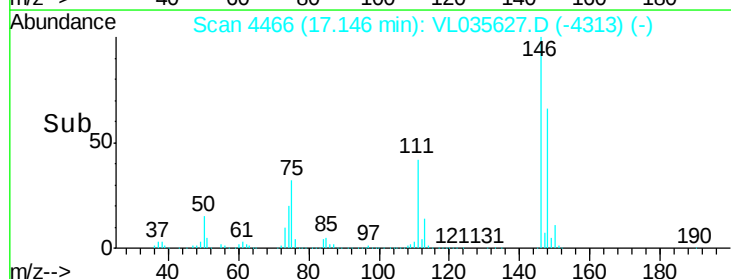
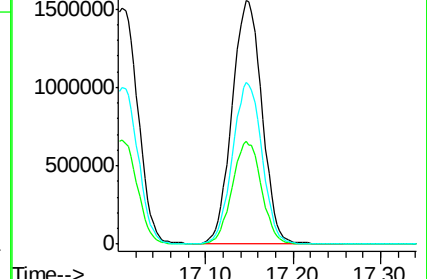
148 65.6 33.2 99.6

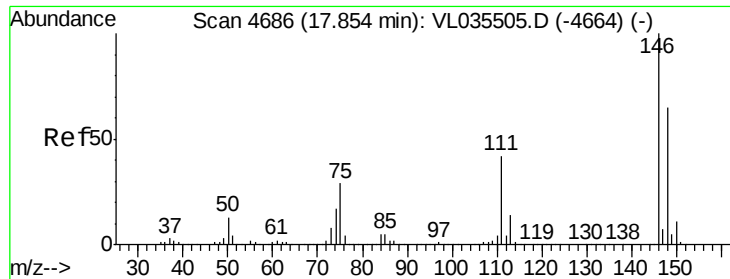


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





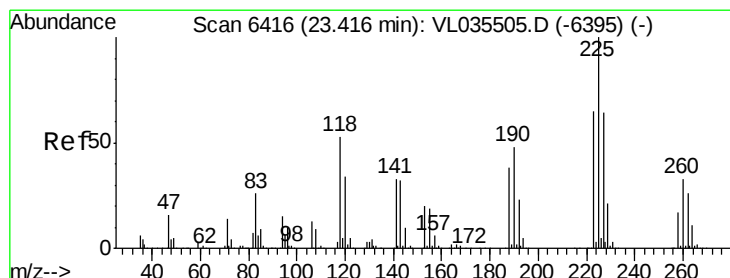
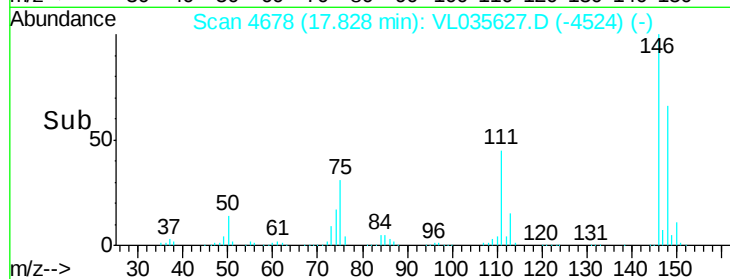
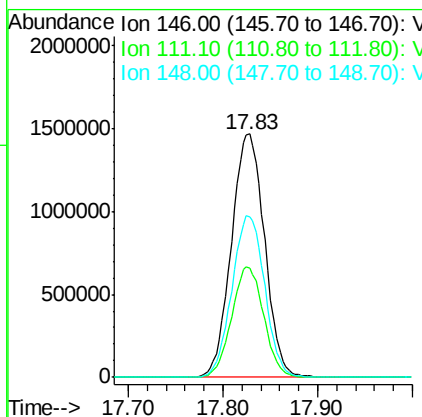
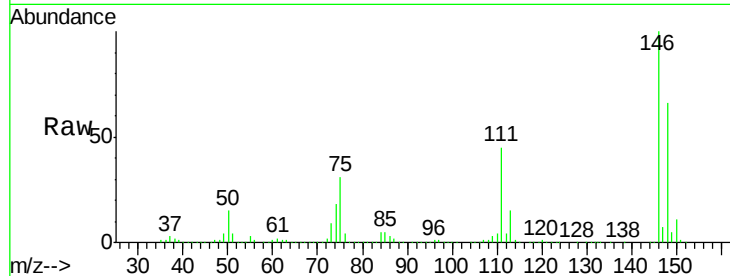
#77
 1,2-Dichlorobenzene
 Concen: 8.301 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.3
148	65.5	32.9	98.7

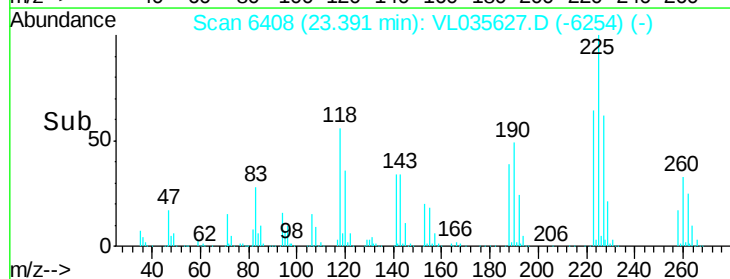
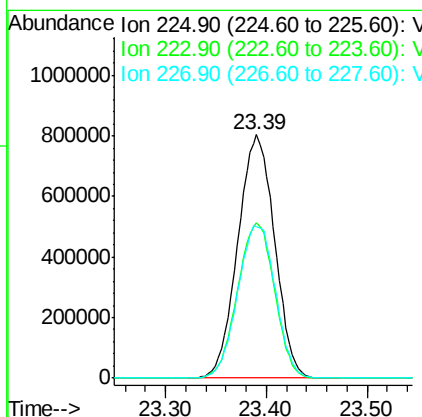
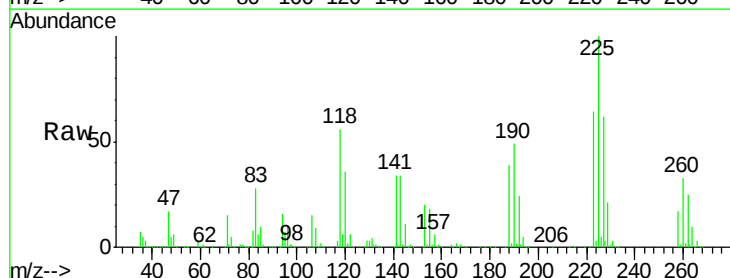
Manual Integrations
 APPROVED

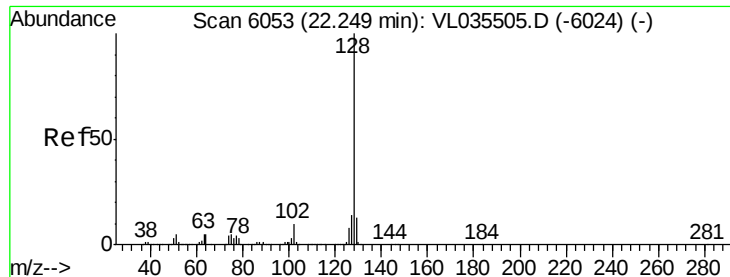
MMDadoda
 9/17/2020 1:52:22 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.380 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	64.5	51.5	77.3





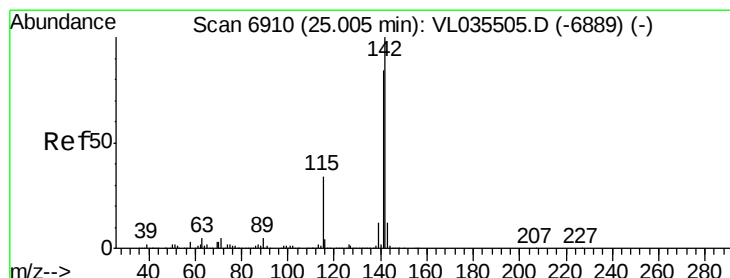
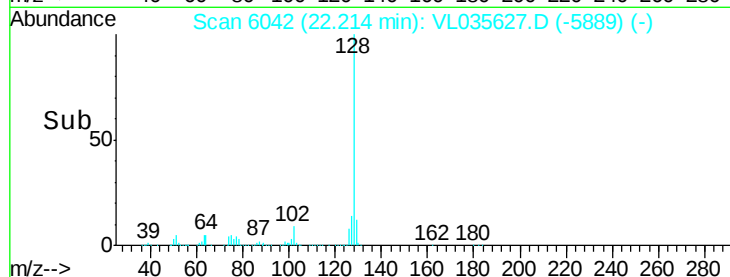
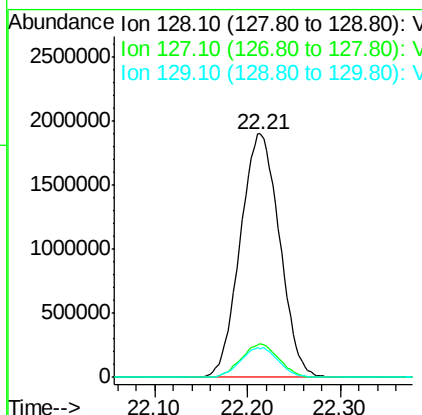
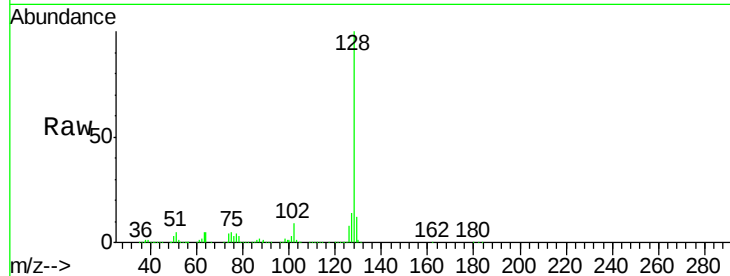
#79
Naphthalene
Concen: 8.378 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.4	17.2
129	11.9	10.5	15.7

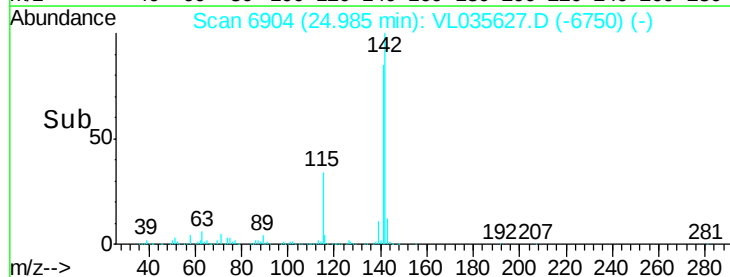
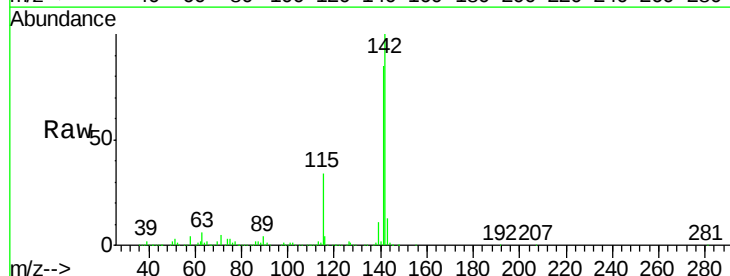
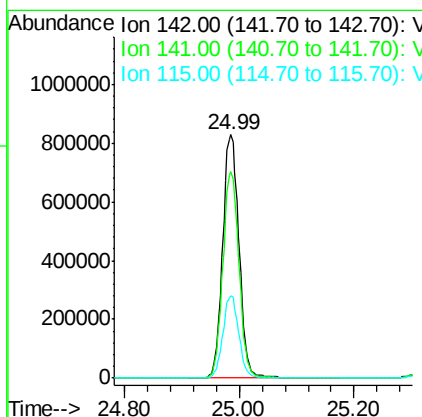
Manual Integrations
APPROVED

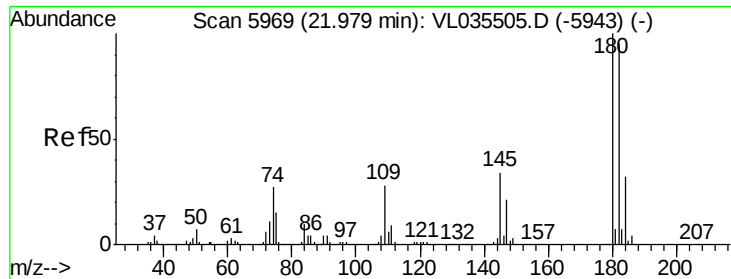
MMDadoda
9/17/2020 1:52:22 PM



#80
Naphthalene, 2-methyl-
Concen: 7.206 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. -0.01 min
Lab File: VL035627.D
Acq: 16 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.6	101.4
115	32.8	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 7.632 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.01 min
 Lab File: VL035627.D
 Acq: 16 Sep 2020 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	30.8	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:22 PM

