

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036062.D
 Acq On : 3 Dec 2020 22:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 12/7/2020 12:08:40 PM

Quant Time: Dec 05 16:33:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 0
 QLast Update : Thu Dec 03 14:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1294249	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4586219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4522300m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3411465	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	2037210	9.145	ppbv	99
3) Chlorodifluoromethane	2.97	51	1520134	10.008	ppbv	99
4) Chloromethane	3.12	50	767167	10.272	ppbv	99
5) Vinyl Chloride	3.24	62	948007	9.998	ppbv	99
6) Bromomethane	3.46	94	755212	10.254	ppbv	100
7) Chloroethane	3.54	64	357561	10.531	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2641895	9.931	ppbv	99
9) Propene	2.99	41	593046	11.160	ppbv	99
10) Heptane	8.11	43	1647361	11.230	ppbv	100
11) Trichlorofluoromethane	3.93	101	2889717	9.634	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2183255	9.551	ppbv	98
13) Ethanol	3.59	45	91299m	9.085	ppbv	
14) Bromoethene	3.73	108	966423	10.372	ppbv	97
15) Acetone	3.84	43	1256844	8.974	ppbv	98
16) 1,3-Butadiene	3.31	39	612417	10.449	ppbv	98
17) tert-Butyl alcohol	4.28	59	1517558	10.501	ppbv	99
18) 1,1-Dichloroethene	4.28	96	1025326	10.137	ppbv	98
19) Isopropyl Alcohol	3.96	45	719525	10.396	ppbv	99
20) Methylene Chloride	4.33	84	866612	7.505	ppbv	96
21) Allyl Chloride	4.40	41	809974	11.538	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1026627	10.113	ppbv	99
23) Vinyl Acetate	5.06	43	1823598	11.804	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1826947	10.125	ppbv	100
25) Ethyl Acetate	5.67	43	2812742	10.261	ppbv	100
26) Hexane	5.68	57	1480393	10.074	ppbv	99
27) Carbon Disulfide	4.54	76	2313967	11.083	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2396183	11.038	ppbv	100
29) Chloroform	5.74	83	2725902	10.022	ppbv	98
30) Cyclohexane	7.12	84	1498111	11.423	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1518822	11.393	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2590450	10.402	ppbv	100
34) 2-Butanone	5.23	43	1729763	11.176	ppbv	98
35) Carbon Tetrachloride	7.01	117	2537776	10.647	ppbv	99
36) Benzene	6.88	78	3538728	11.116	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1721337	10.537	ppbv	99
38) Trichloroethene	7.83	130	1569681	11.127	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1265176	10.587	ppbv	97
40) 1,4-Dioxane	7.82	88	471360	11.816	ppbv	95
41) Tetrahydrofuran	6.04	42	1021017	12.481	ppbv	100
42) Bromodichloromethane	7.78	83	2883316	11.279	ppbv	97
43) Methyl Methacrylate	8.01	69	1462926	12.533	ppbv	98

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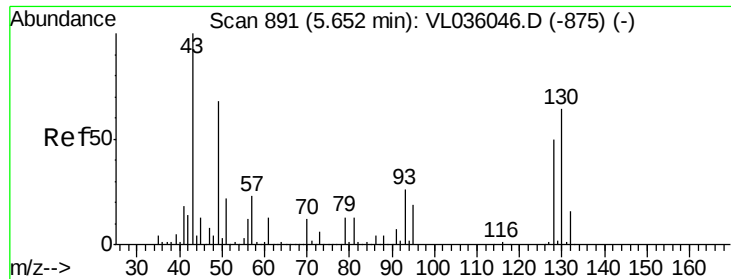
Manual Integrations
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Quant Time: Dec 05 16:33:09 2020
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 0
 QLast Update : Thu Dec 03 14:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4977219	10.628	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1473898	13.504	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1896197	13.174	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1607877	10.595	ppbv	98
48) Dibromochloromethane	10.30	129	2485223	11.808	ppbv	100
49) Bromoform	13.03	173	1927070	12.364	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2704673	11.172	ppbv	99
51) 2-Hexanone	10.12	43	2146560	12.313	ppbv	98
52) Tetrachloroethene	11.22	164	1393854	11.384	ppbv	98
53) Toluene	9.80	91	4171700	11.990	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2365340	11.091	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1922420	10.409	ppbv	97
57) Chlorobenzene	12.14	112	3289331	9.882	ppbv	100
58) Ethyl Benzene	12.70	91	5248964	11.588	ppbv	98
59) m/p-Xylene	12.99	91	8893692m	21.626	ppbv	
60) o-Xylene	13.69	91	4359033	10.542	ppbv	99
61) Styrene	13.52	104	3064647	12.971	ppbv	100
62) Isopropylbenzene	14.66	105	6320544	10.285	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3108746	9.144	ppbv	100
64) n-propylbenzene	15.56	120	1805670	11.103	ppbv	97
65) tert-Butylbenzene	16.74	119	5466420	10.596	ppbv	100
66) Benzyl Chloride	16.99	91	1562252	12.671	ppbv	100
67) sec-Butylbenzene	17.29	105	7342701	10.377	ppbv	100
69) p-Isopropyltoluene	17.65	119	5886083	11.099	ppbv	100
70) n-Butylbenzene	18.55	91	5781986	10.927	ppbv	100
71) 2-Chlorotoluene	15.45	91	4678125	10.997	ppbv	99
72) 4-Ethyltoluene	15.83	105	4888520	11.432	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4439176	11.041	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4627812	10.337	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	2697580	10.062	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2633263	10.395	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2492467	10.075	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1392632	10.206	ppbv	99
79) Naphthalene	22.19	128	2931704	13.718	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	973658	21.758	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1706982	11.813	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1294249

Ion Ratio Lower Upper

49 100

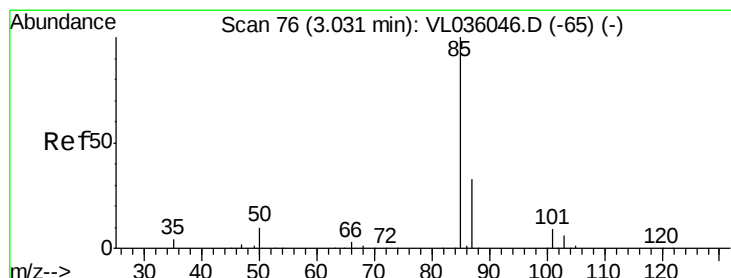
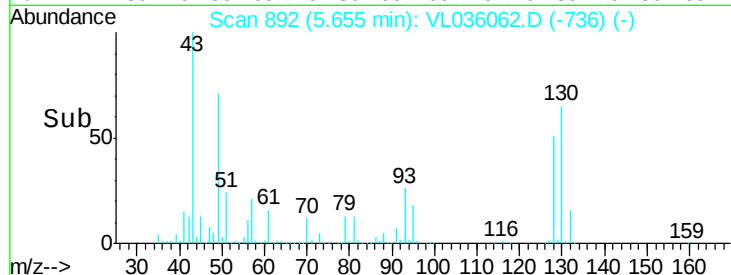
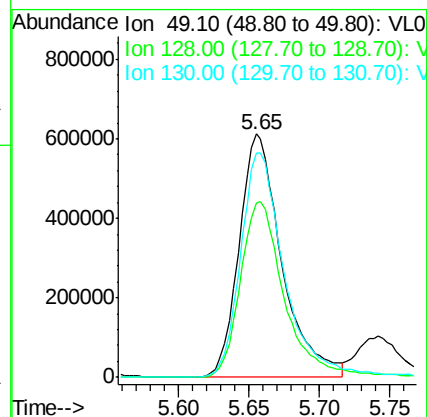
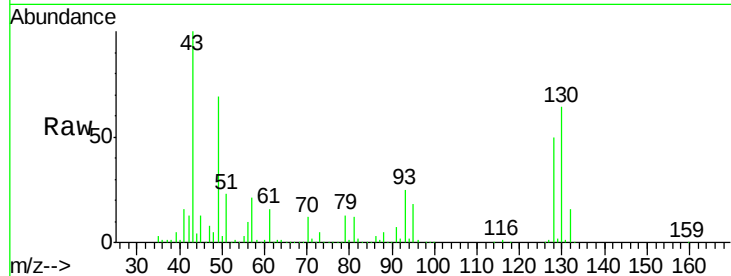
128 76.1 38.3 114.8

130 96.7 49.1 147.4

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#2

Dichlorodifluoromethane

Concen: 9.145 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036062.D

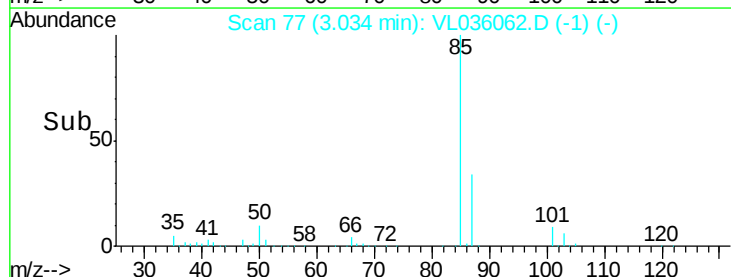
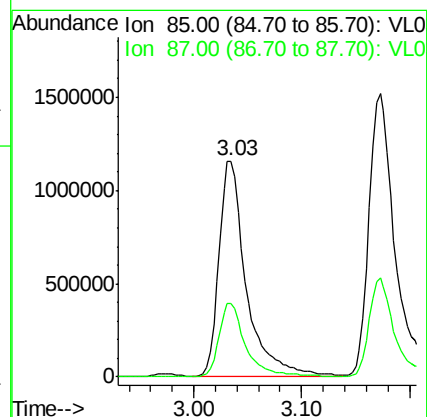
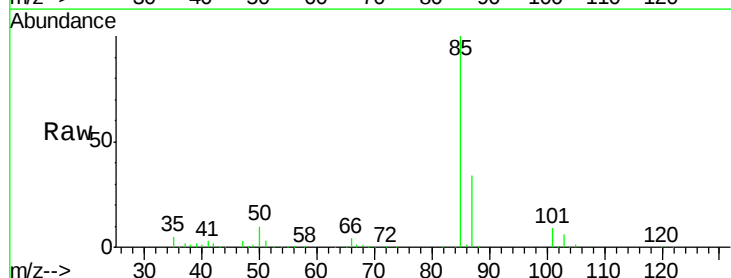
Acq: 3 Dec 2020 22:27

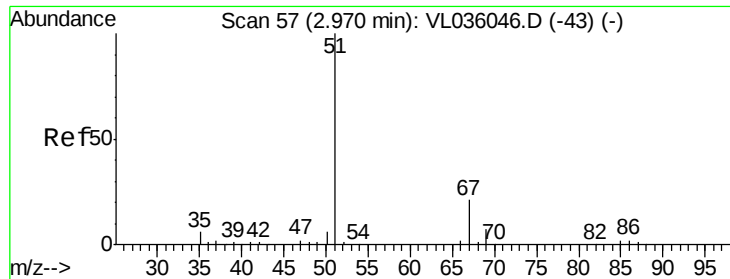
Tgt Ion: 85 Resp: 2037210

Ion Ratio Lower Upper

85 100

87 34.0 26.8 40.2





#3

Chlorodifluoromethane

Concen: 10.008 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tot Ion: 51 Resp: 1520134

Ion Ratio Lower Upper

51 100

67 20.5 16.9 25.3

Instrument :

MSVOA_L

ClientSampleId :

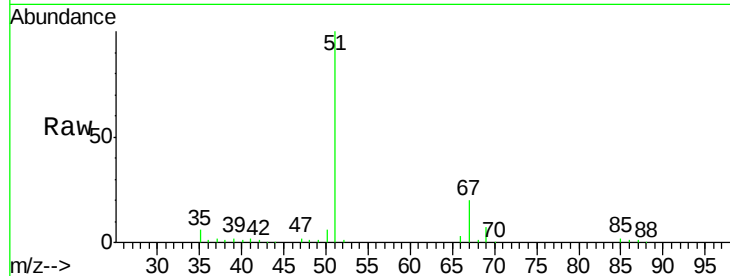
VSTDCCC010EC

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

800000

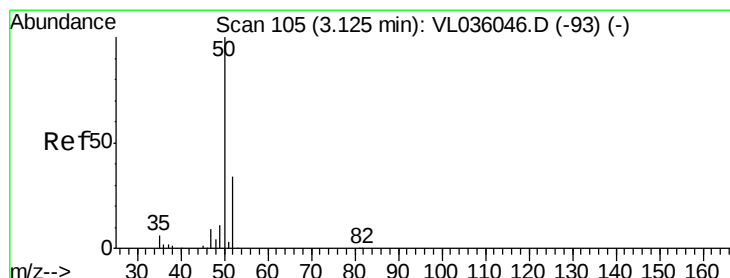
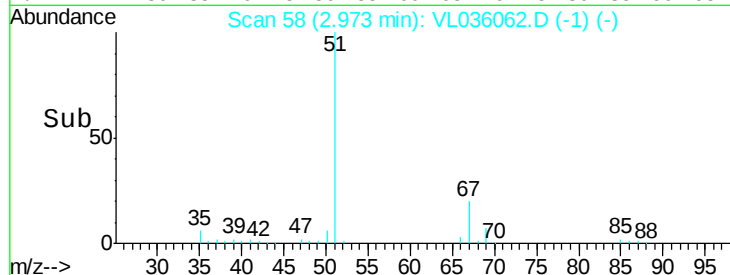
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.272 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036062.D

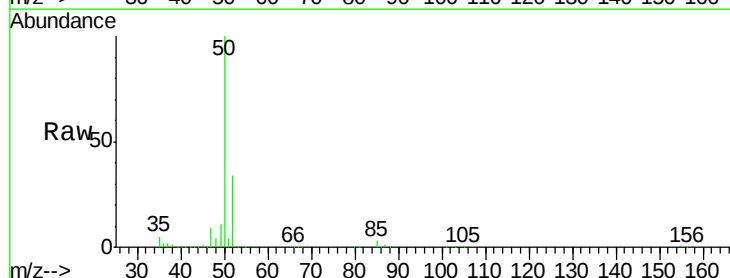
Acq: 3 Dec 2020 22:27

Tgt Ion: 50 Resp: 767167

Ion Ratio Lower Upper

50 100

52 34.2 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

500000

400000

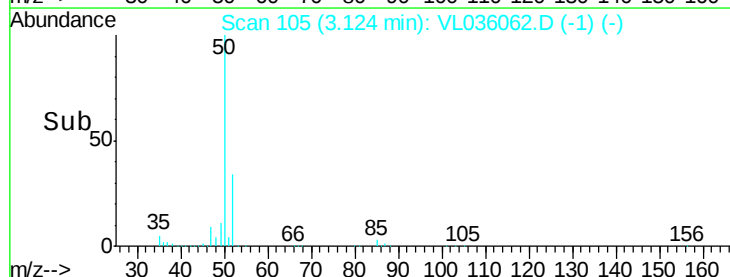
300000

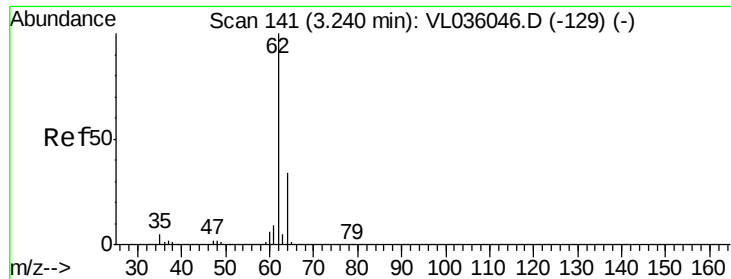
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.998 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 948007

Ion Ratio Lower Upper

62 100

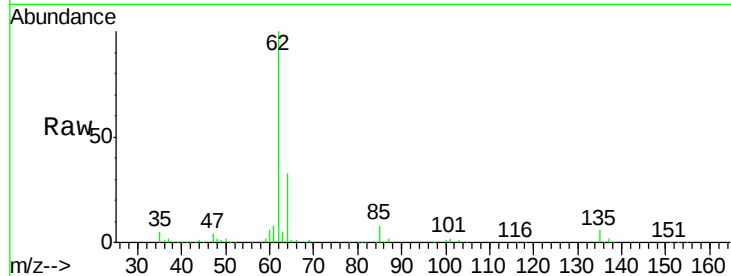
64 32.9 26.8 40.2

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

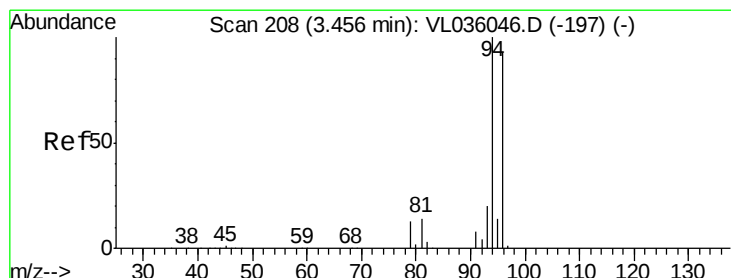
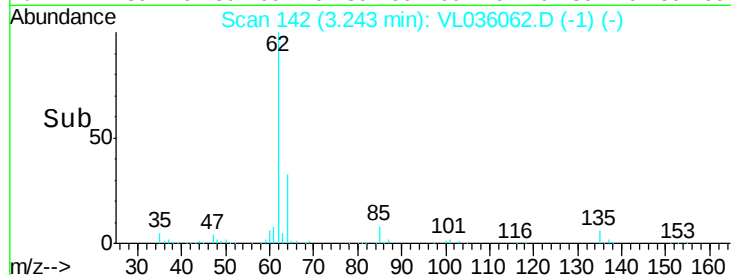
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.254 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036062.D

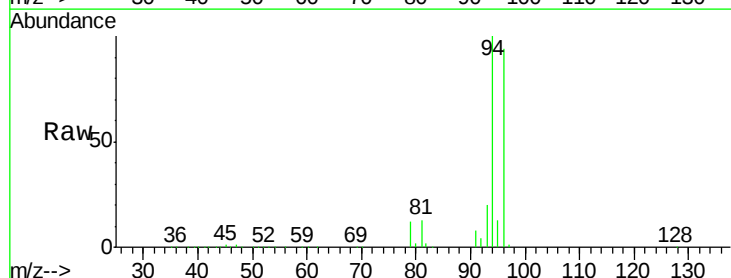
Acq: 3 Dec 2020 22:27

Tgt Ion: 94 Resp: 755212

Ion Ratio Lower Upper

94 100

96 94.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

400000

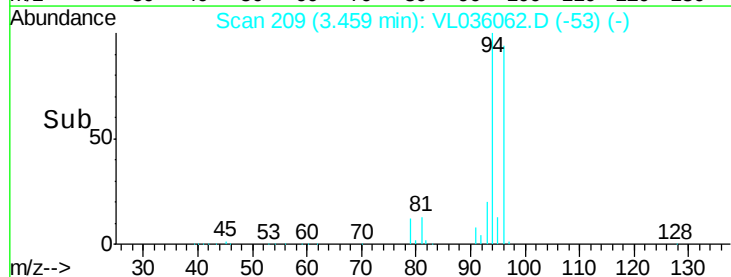
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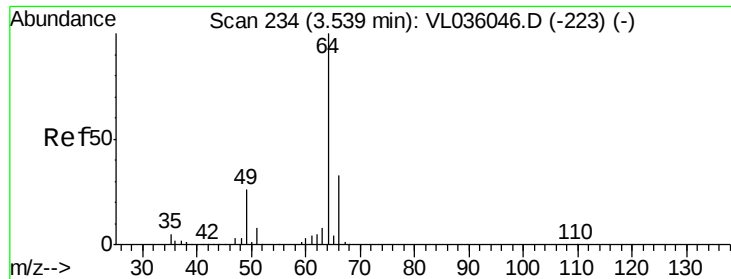
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.531 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 357561

Ion Ratio Lower Upper

64 100

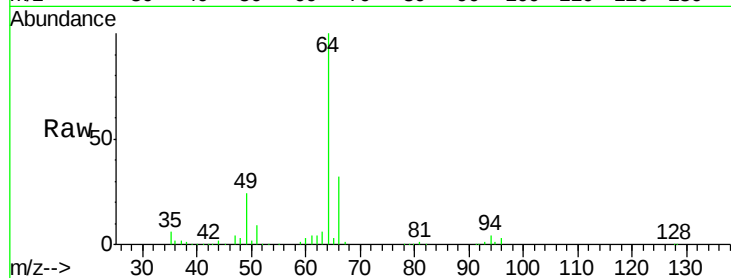
66 31.6 26.1 39.1

Manual Integrations

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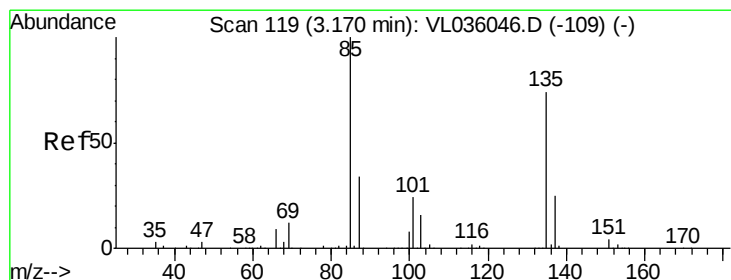
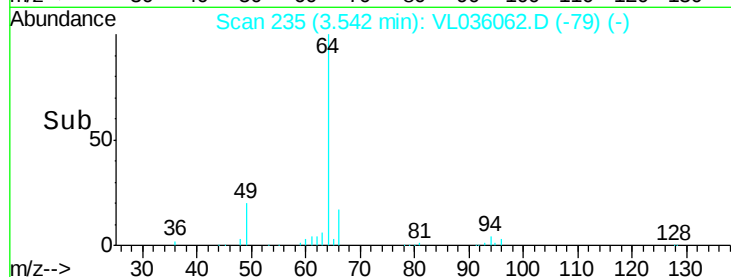
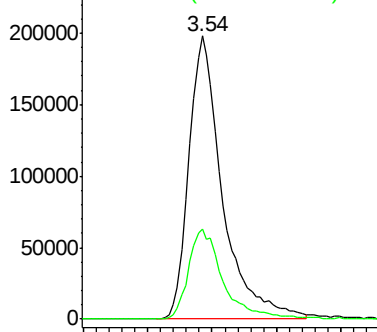
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.931 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036062.D

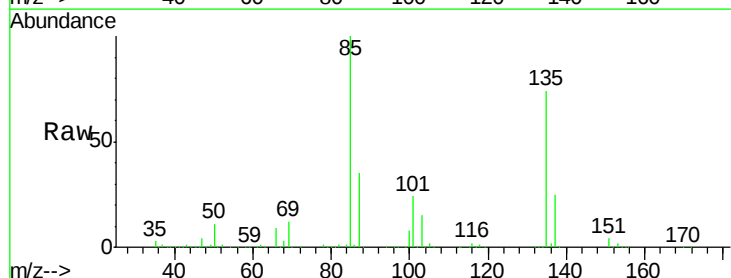
Acq: 3 Dec 2020 22:27

Tgt Ion: 85 Resp: 2641895

Ion Ratio Lower Upper

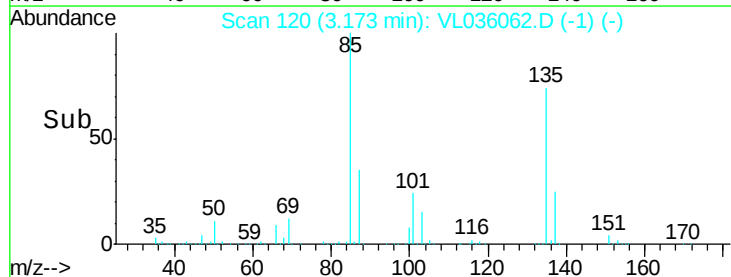
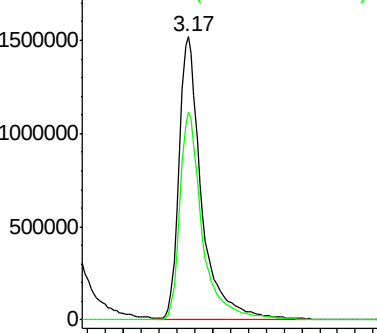
85 100

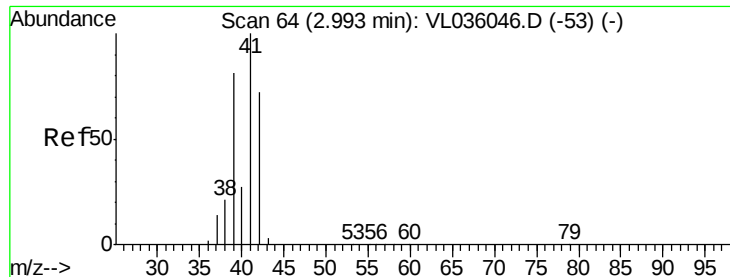
135 74.4 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.160 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 593046

Ion Ratio Lower Upper

41 100

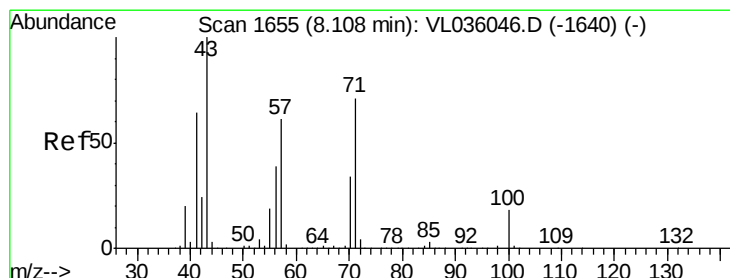
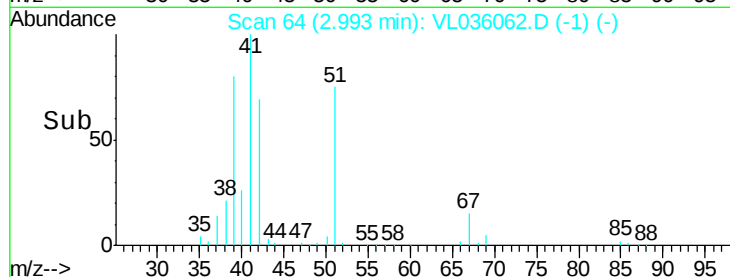
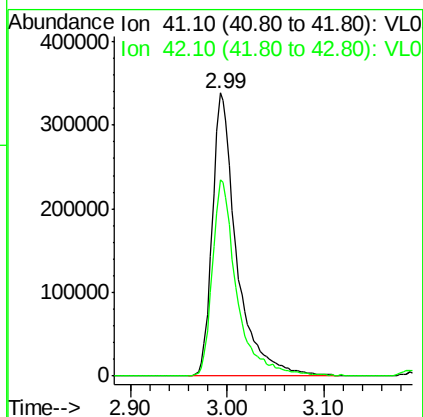
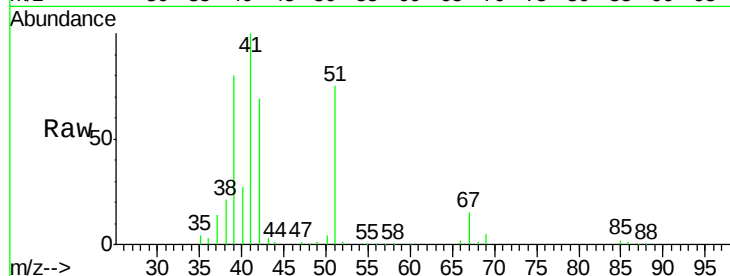
42 70.0 56.9 85.3

Manual Integrations

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#10

Heptane

Concen: 11.230 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL036062.D

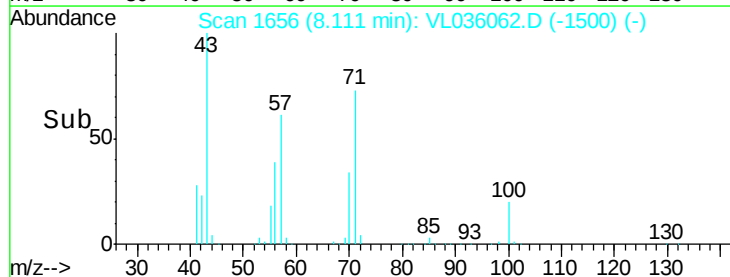
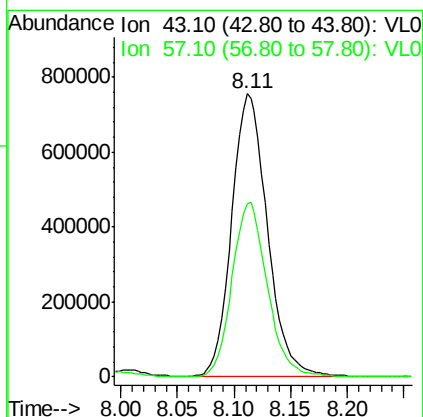
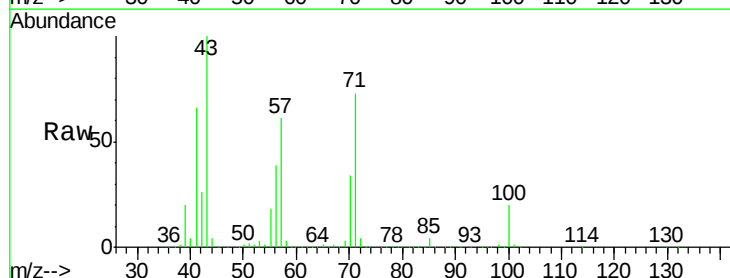
Acq: 3 Dec 2020 22:27

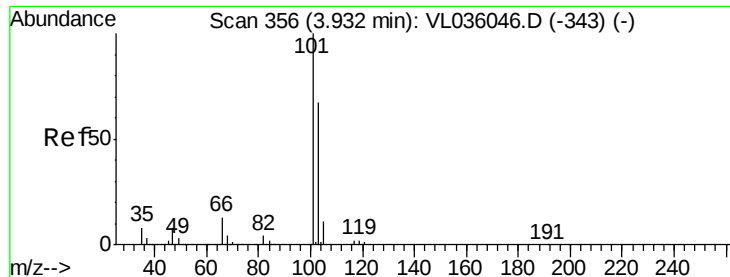
Tgt Ion: 43 Resp: 1647361

Ion Ratio Lower Upper

43 100

57 61.7 49.2 73.8





#11

Trichlorofluoromethane

Concen: 9.634 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2889717

Ion Ratio Lower Upper

101 100

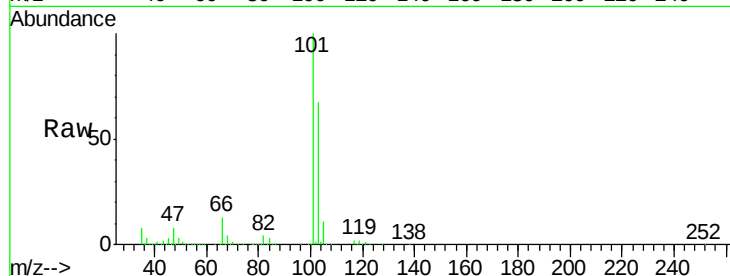
103 66.8 53.2 79.8

Manual Integrations

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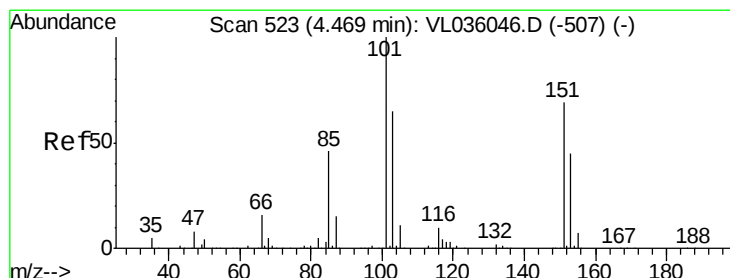
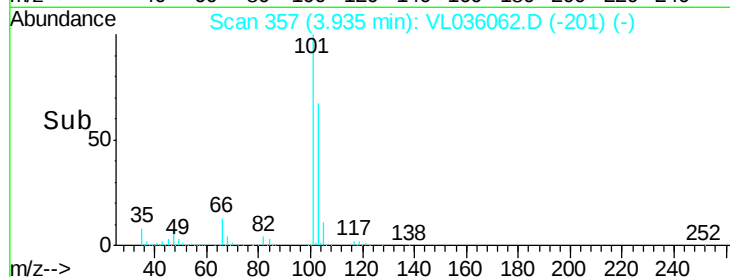
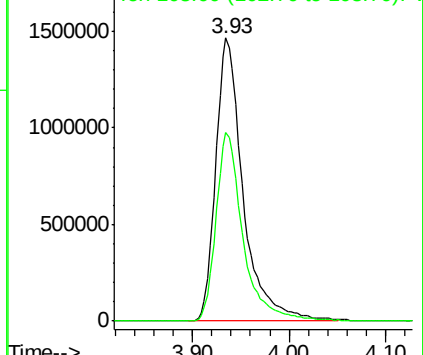
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.551 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL036062.D

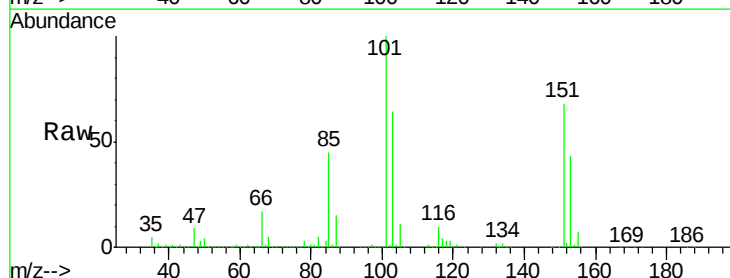
Acq: 3 Dec 2020 22:27

Tgt Ion:101 Resp: 2183255

Ion Ratio Lower Upper

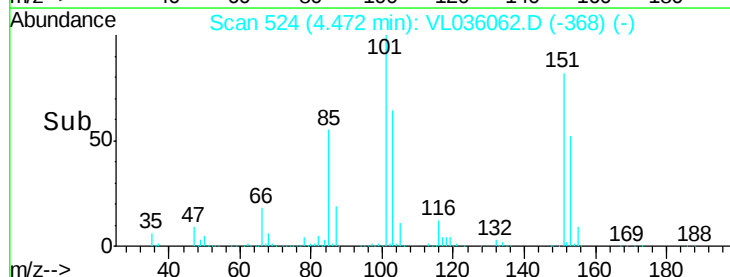
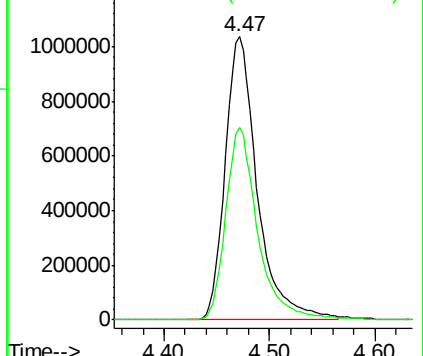
101 100

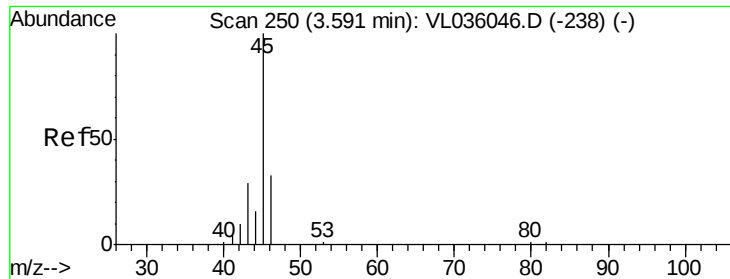
151 68.3 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.085 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 91299

Ion Ratio Lower Upper

45 100

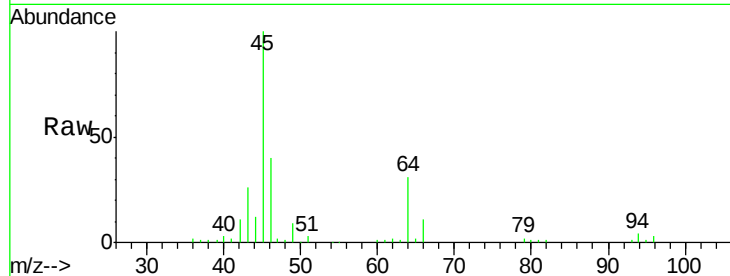
46 43.0 16.0 64.2

Manual Integrations

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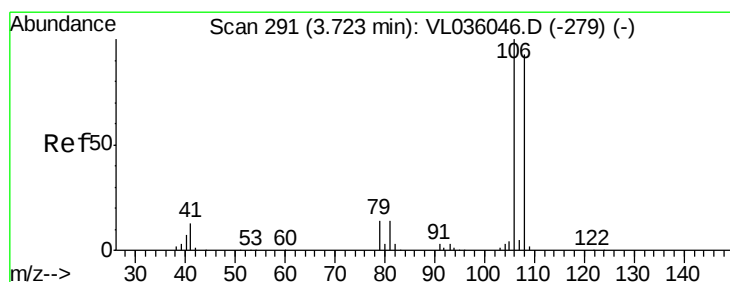
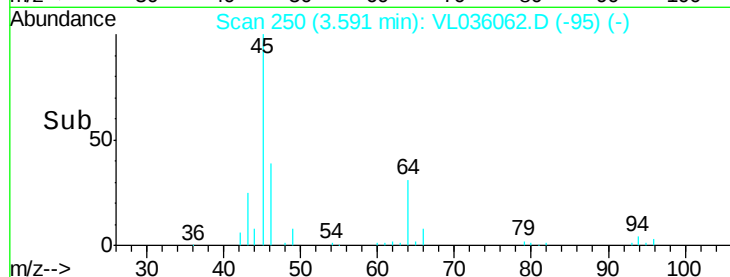
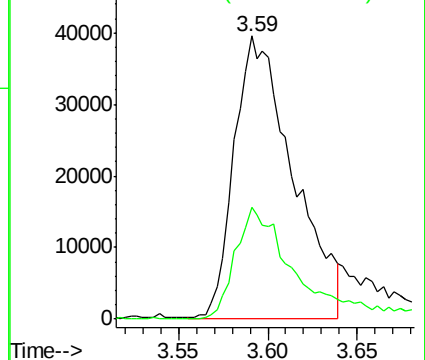
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.372 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

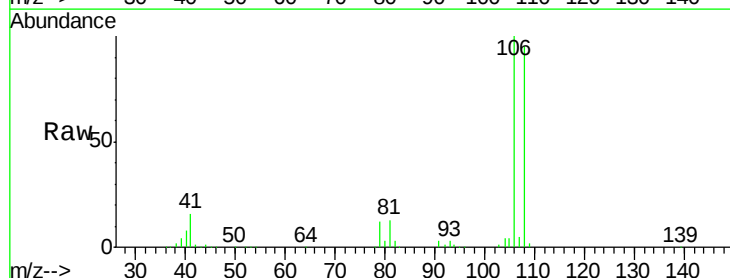
Tgt Ion: 108 Resp: 966423

Ion Ratio Lower Upper

108 100

106 109.2 85.0 127.4

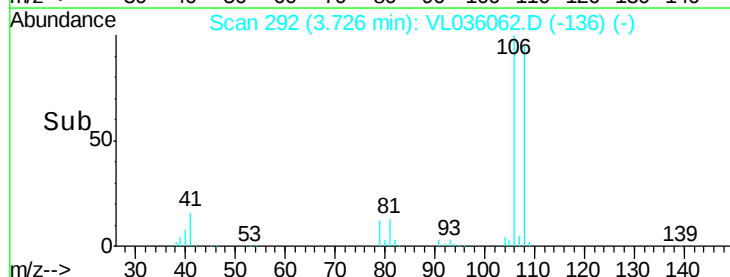
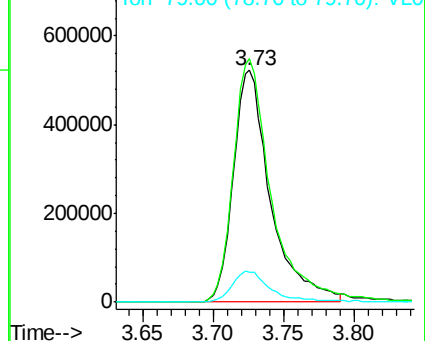
79 14.3 11.9 17.9

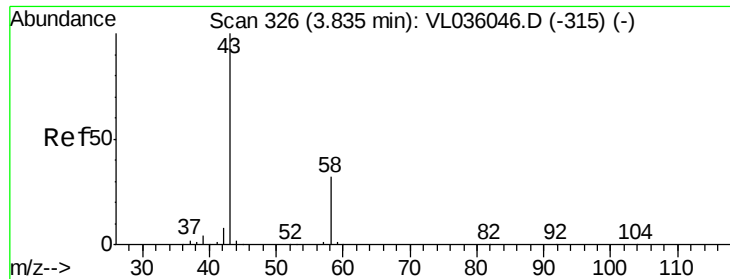


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.974 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1256844

Ion Ratio Lower Upper

43 100

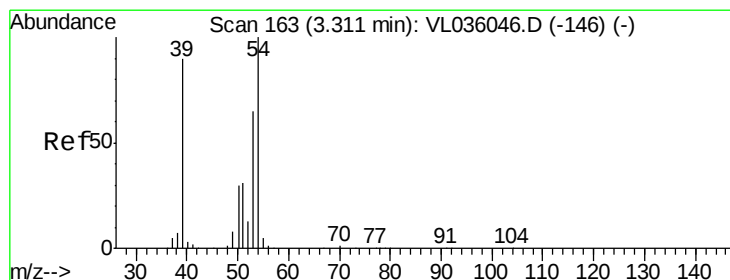
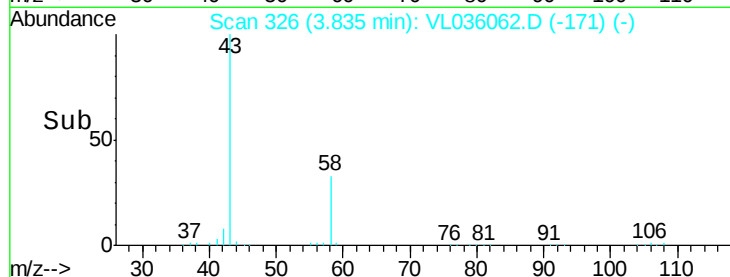
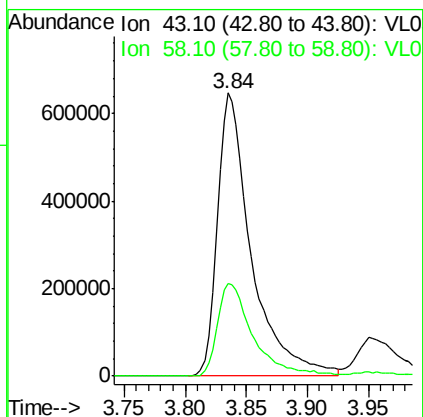
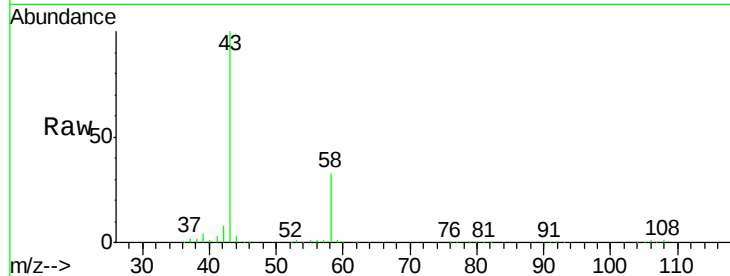
58 34.8 27.0 40.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.449 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036062.D

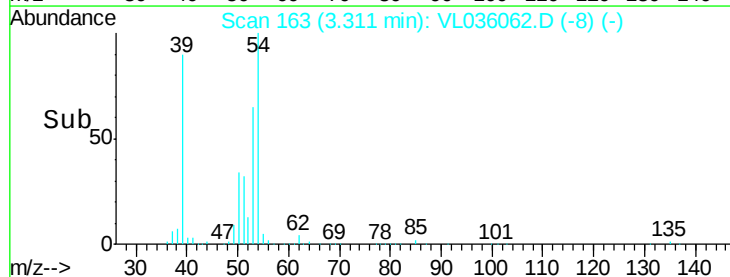
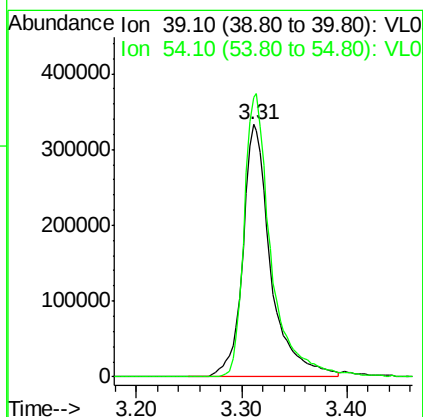
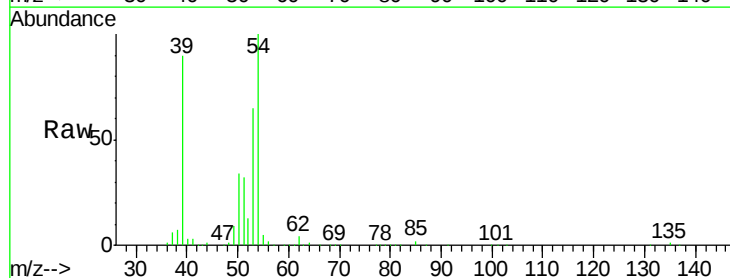
Acq: 3 Dec 2020 22:27

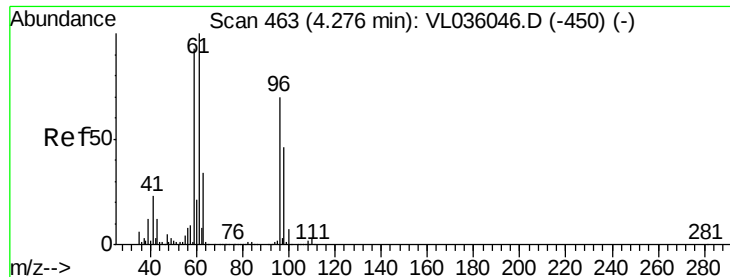
Tgt Ion: 39 Resp: 612417

Ion Ratio Lower Upper

39 100

54 109.2 86.1 129.1





#17

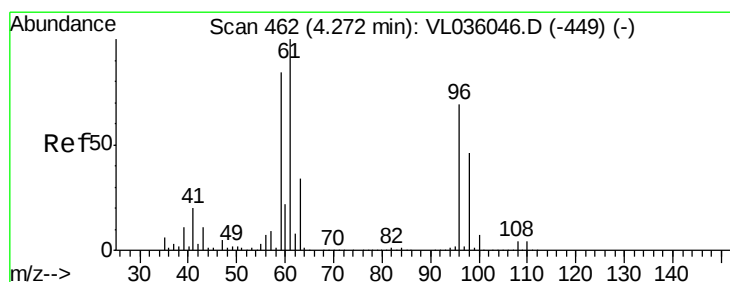
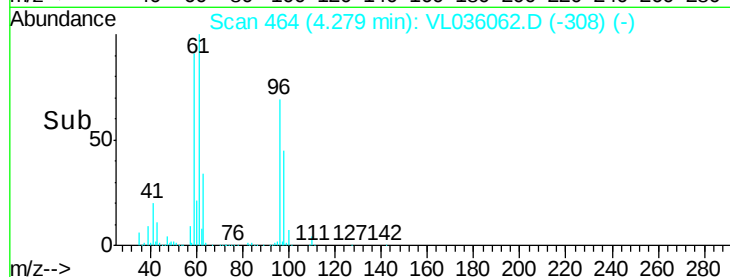
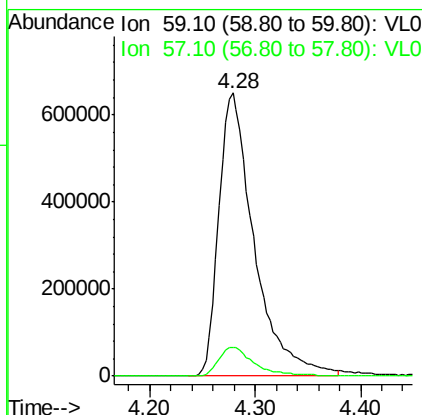
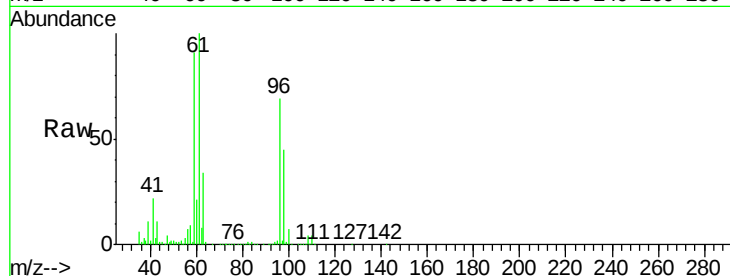
tert-Butyl alcohol
Concen: 10.501 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1517558
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

Manual Integrations
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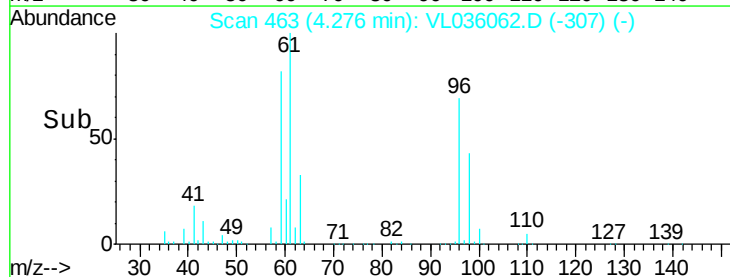
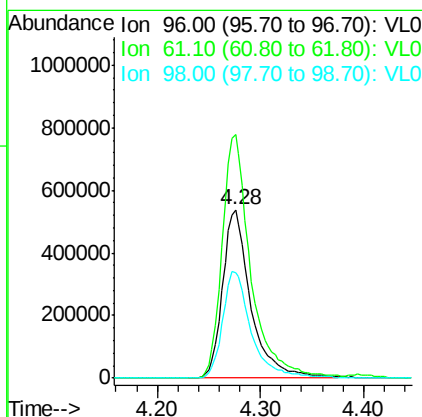
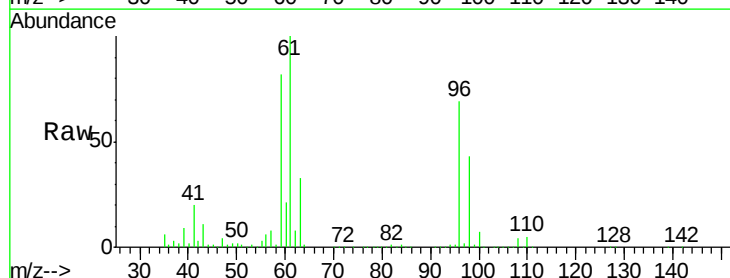
MMDadoda
12/7/2020 12:08:40 PM

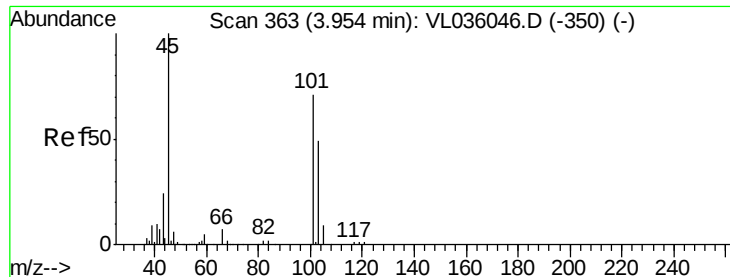


#18

1,1-Dichloroethene
Concen: 10.137 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 96 Resp: 1025326
Ion Ratio Lower Upper
96 100
61 144.5 115.8 173.6
98 62.3 53.1 79.7





#19

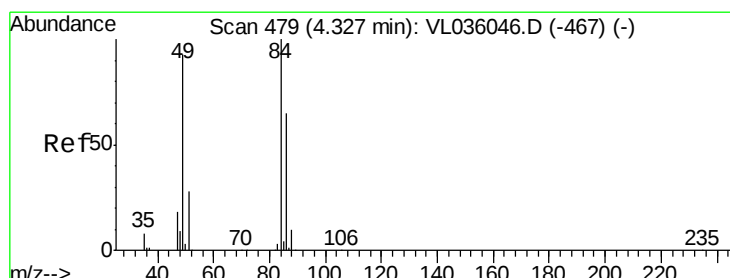
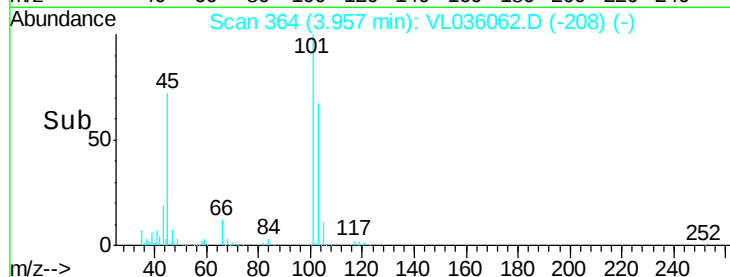
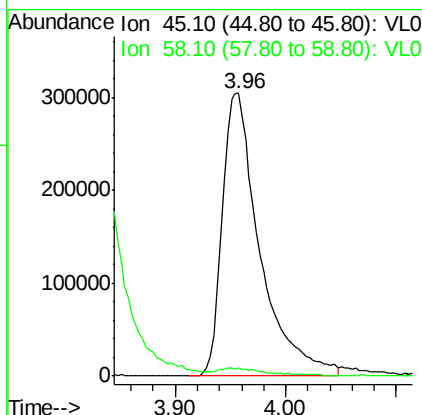
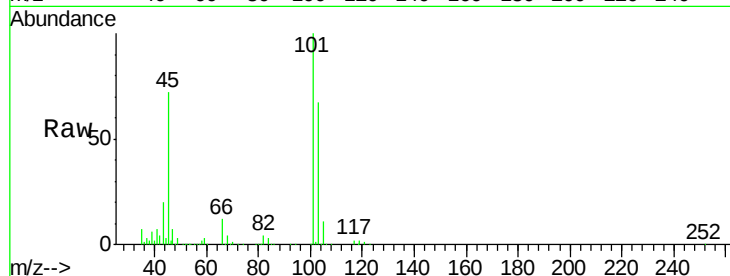
Isopropyl Alcohol
 Concen: 10.396 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.9	3.4	5.0

Manual Integrations
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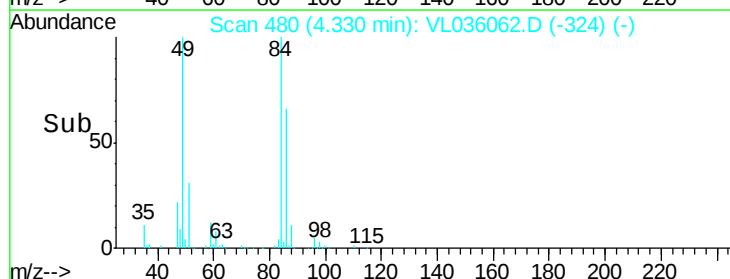
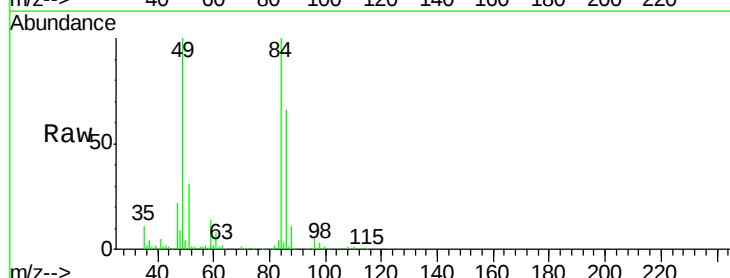
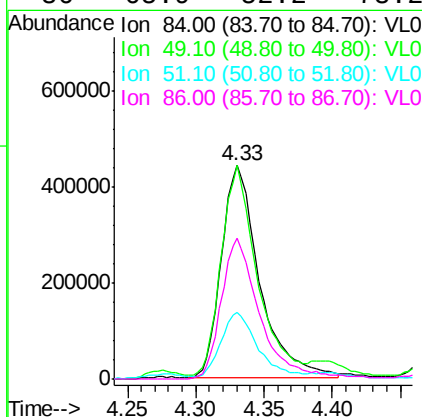
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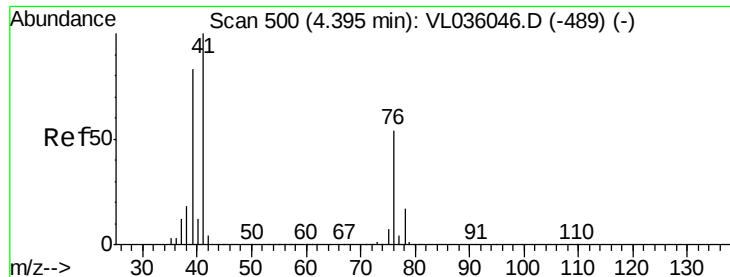


#20

Methylene Chloride
 Concen: 7.505 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.6	74.4	111.6
51	29.7	22.5	33.7
86	65.9	52.2	78.2





#21

Allvl Chloride

Concen: 11.538 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

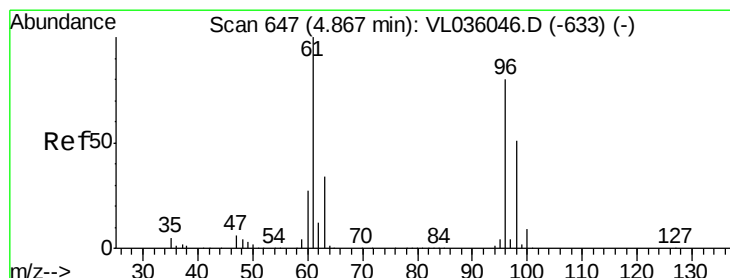
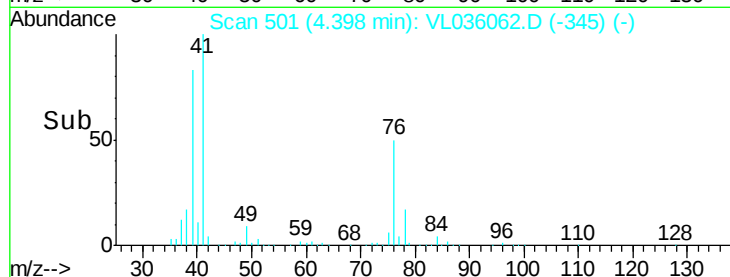
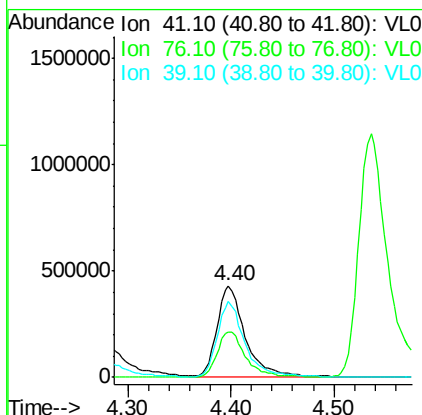
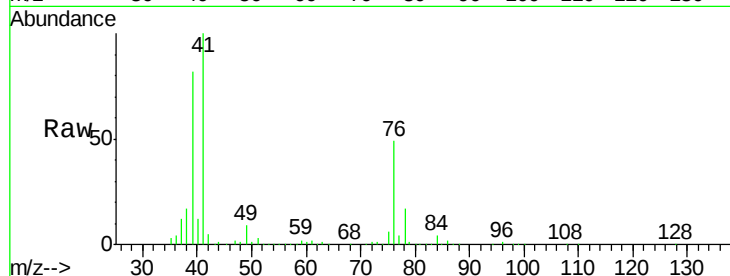
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	809974
Ion	Ratio	Lower	Upper
41	100		
76	51.3	42.4	63.6
39	81.3	69.0	103.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.113 ppbv

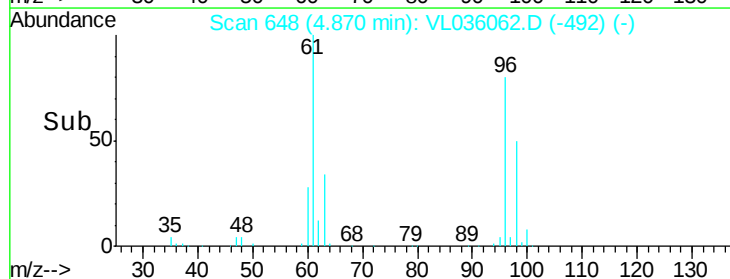
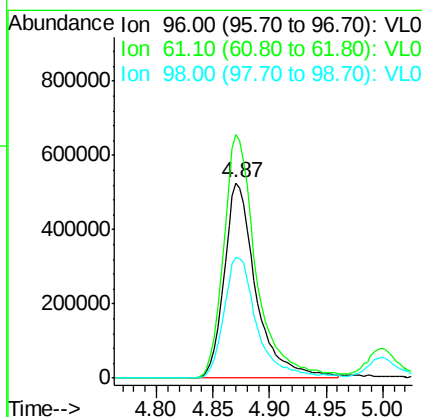
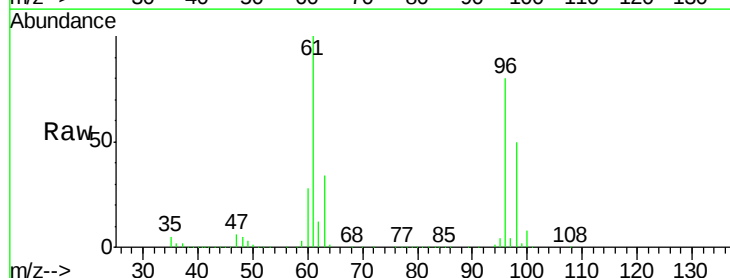
RT: 4.87 min Scan# 648

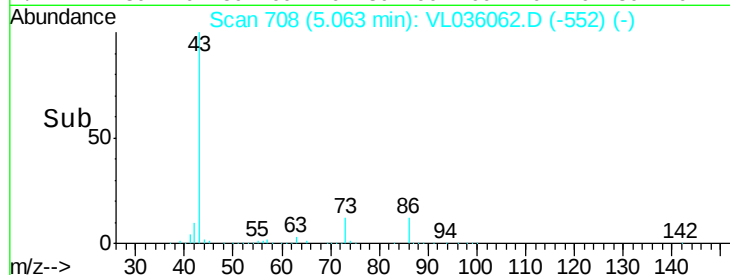
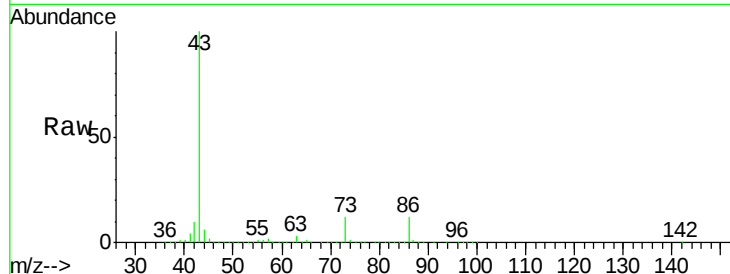
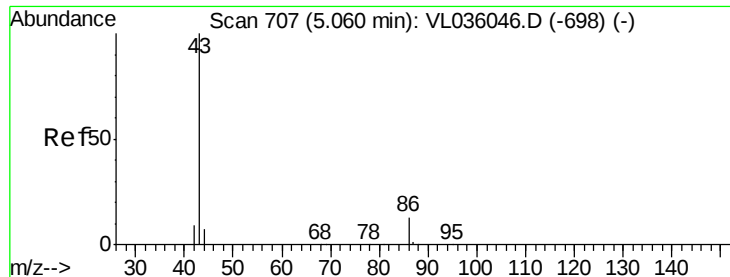
Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

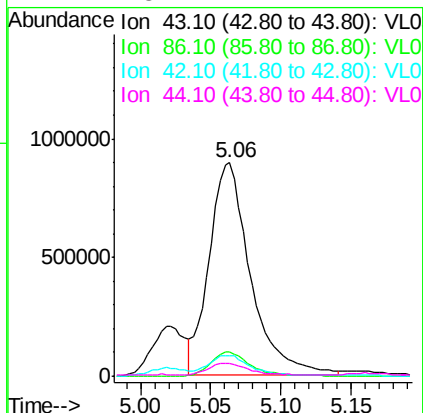
Tgt Ion:	96	Resp:	1026627
Ion	Ratio	Lower	Upper
96	100		
61	124.8	99.8	149.6
98	62.1	51.1	76.7





#23
 Vinyl Acetate
 Concen: 11.804 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

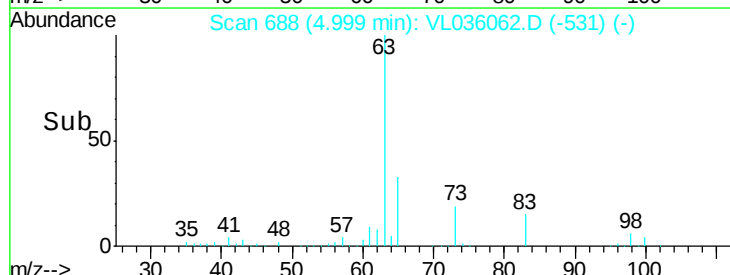
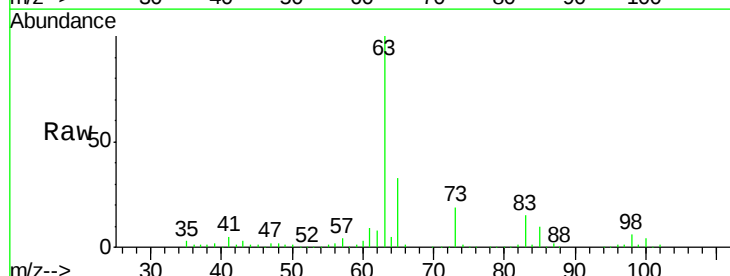
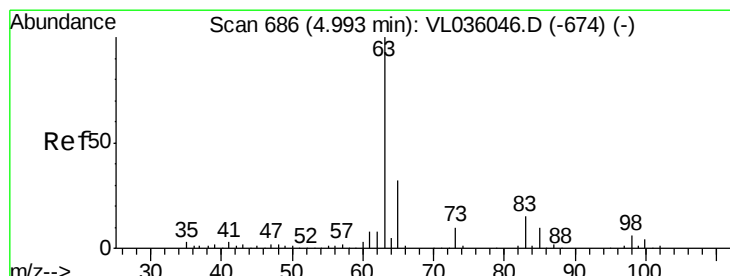
Tot Ion:	43	Resp:	1823598
Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.3	13.9
42	9.5	8.1	12.1
44	5.1	4.7	7.1



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

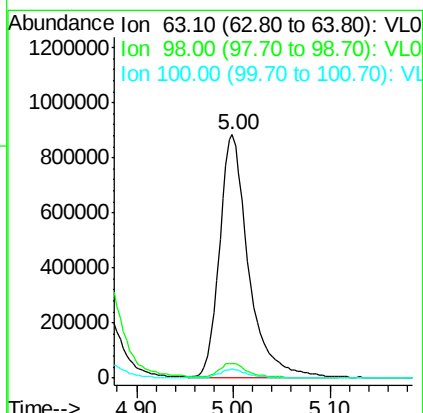
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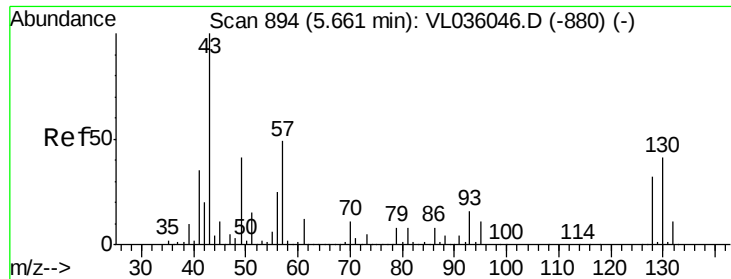
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 10.125 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion:	63	Resp:	1826947
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.1	9.3
100	3.8	1.9	5.7





#25

Ethyl Acetate

Concen: 10.261 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2812742

Ion Ratio Lower Upper

43 100

45 10.7 8.6 13.0

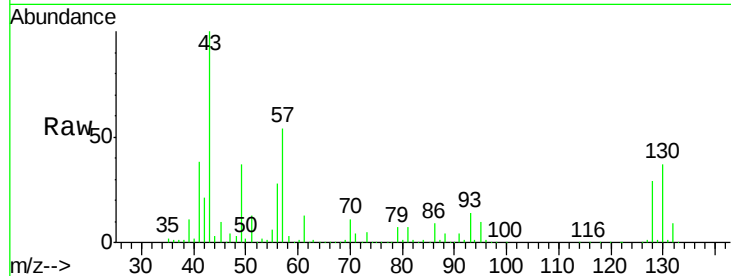
61 13.3 10.6 16.0

70 10.2 8.1 12.1

Manual Integrations
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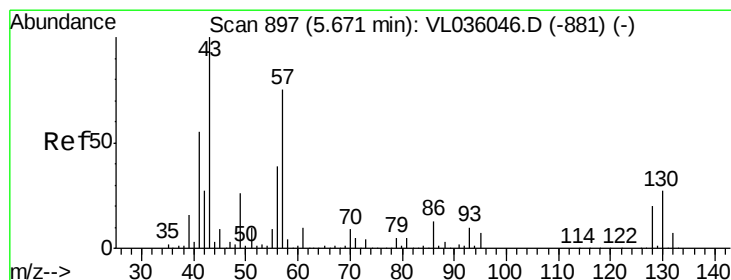
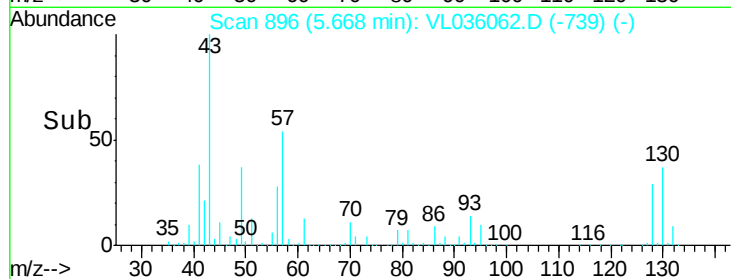
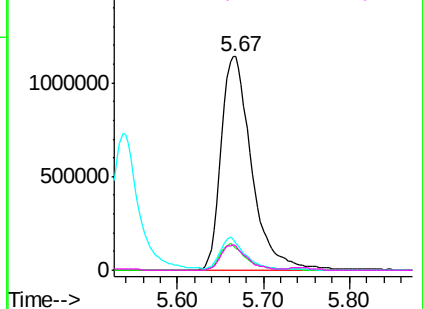


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.074 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion: 57 Resp: 1480393

Ion Ratio Lower Upper

57 100

41 74.8 61.6 92.4

43 191.3 152.9 229.3

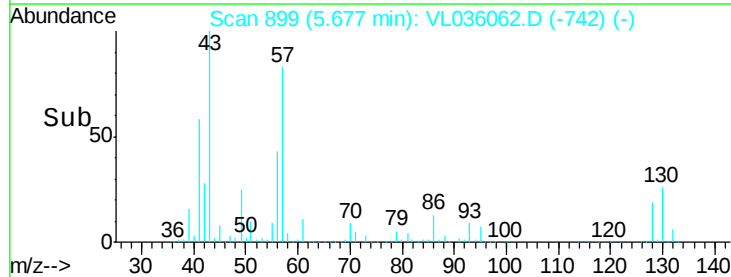
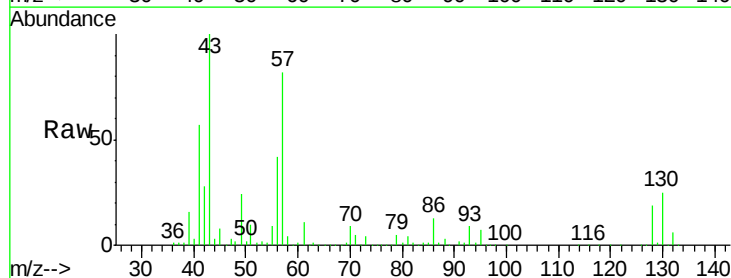
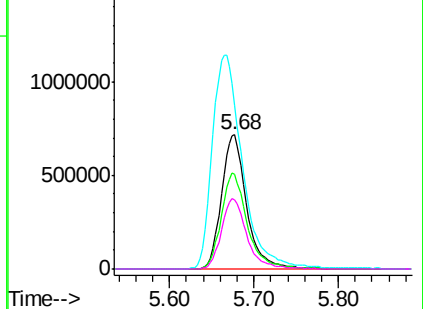
56 53.6 43.0 64.6

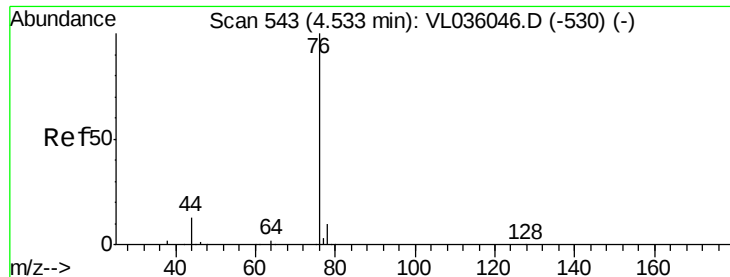
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





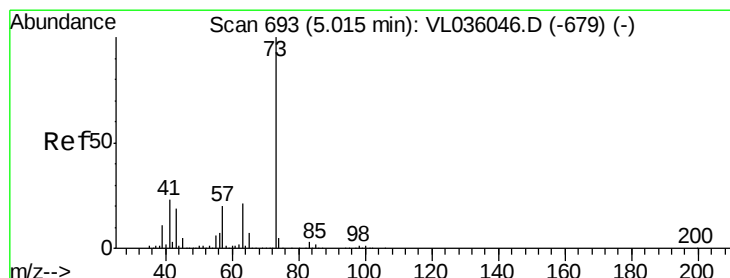
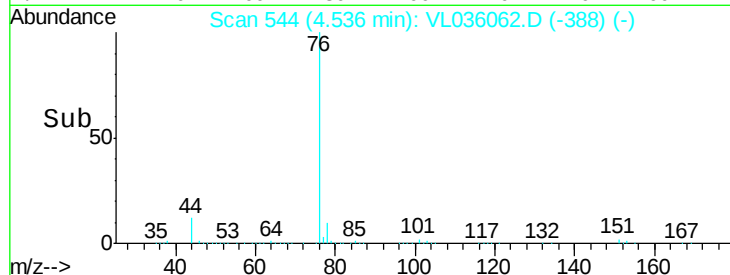
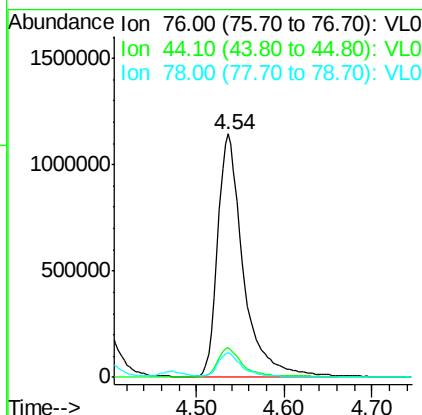
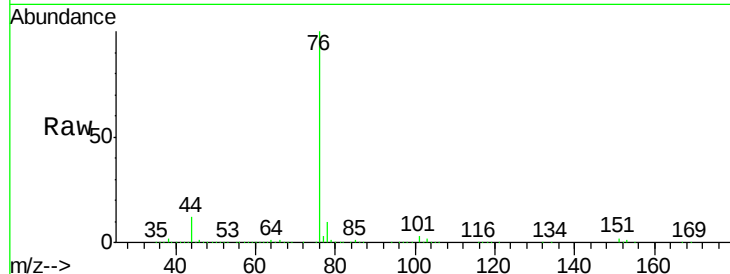
#27
Carbon Disulfide
Concen: 11.083 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 2313967
Ion Ratio Lower Upper
76 100
44 12.1 9.6 14.4
78 10.0 7.7 11.5

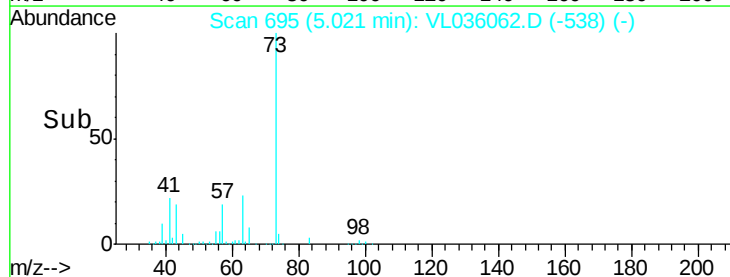
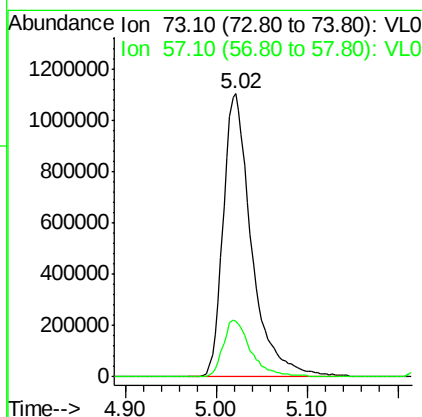
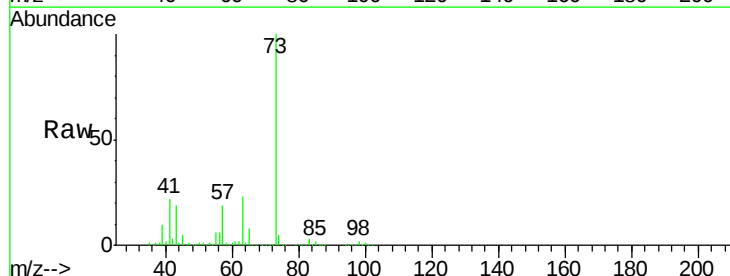
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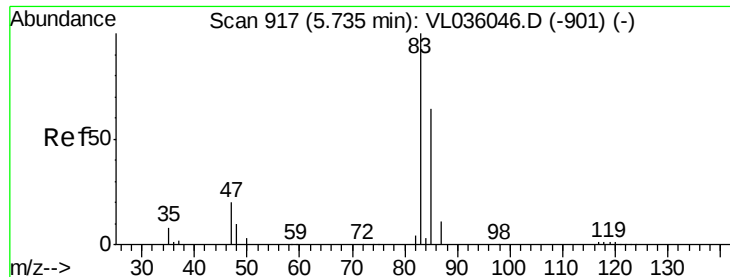
MMDadoda
12/7/2020 12:08:40 PM



#28
Methyl tert-Butyl Ether
Concen: 11.038 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 73 Resp: 2396183
Ion Ratio Lower Upper
73 100
57 19.8 15.8 23.8





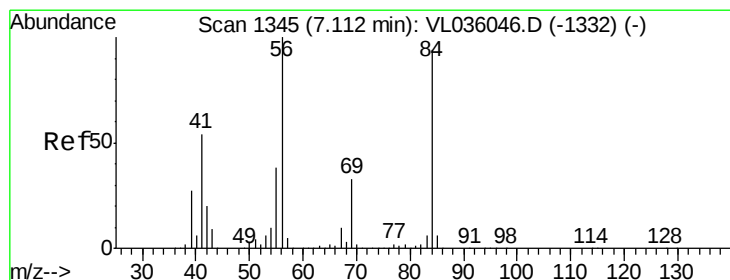
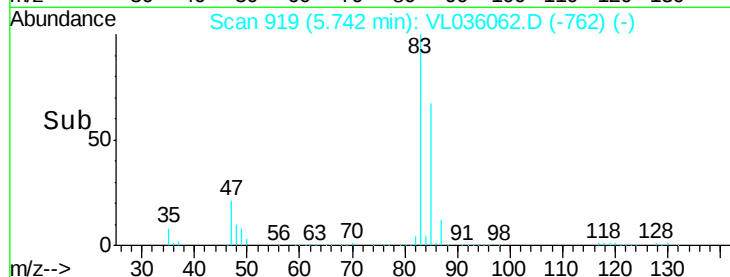
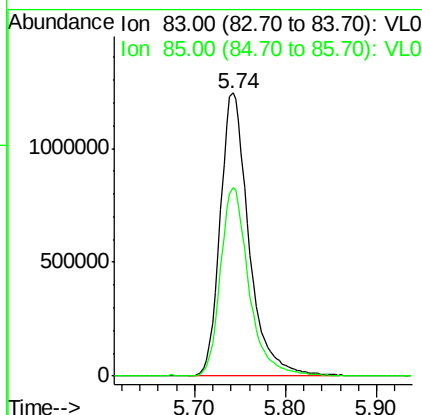
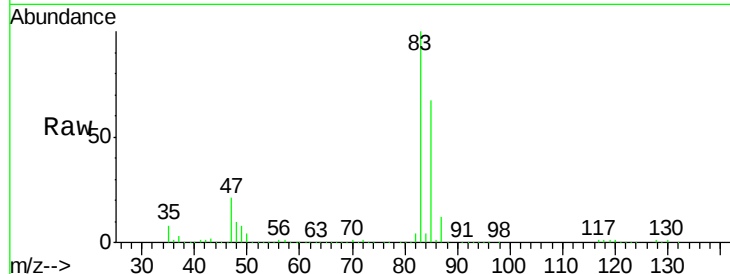
#29
Chloroform
Concen: 10.022 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2725902
Ion Ratio Lower Upper
83 100
85 66.4 51.6 77.4

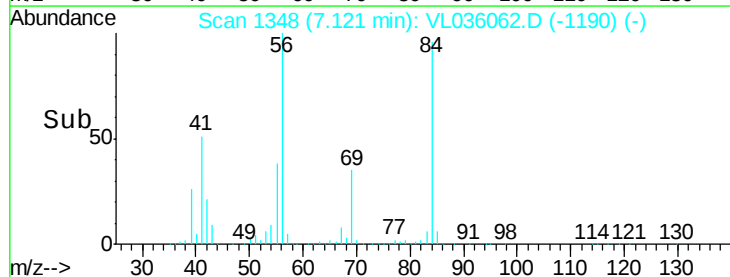
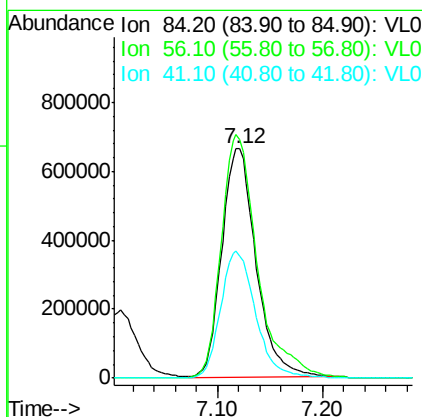
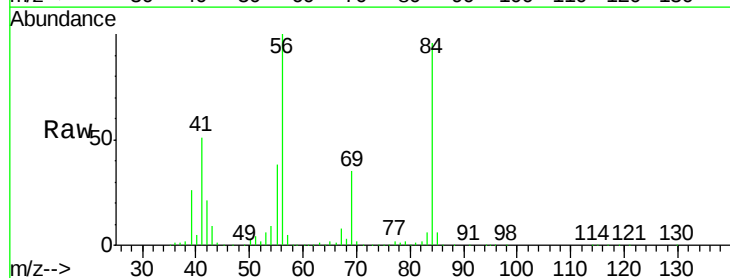
Manual Integrations
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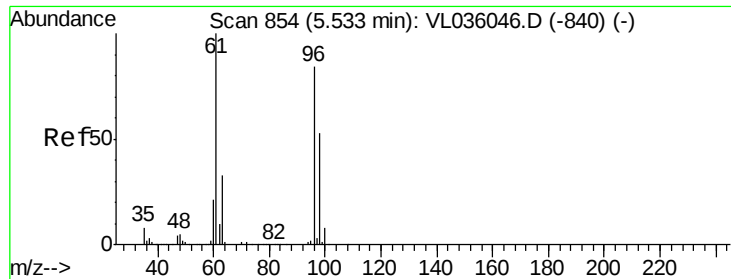
MMDadoda
12/7/2020 12:08:40 PM



#30
Cyclohexane
Concen: 11.423 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 84 Resp: 1498111
Ion Ratio Lower Upper
84 100
56 112.7 89.9 134.9
41 56.7 46.1 69.1





#31

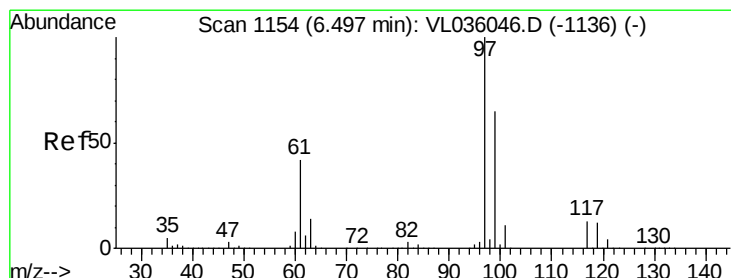
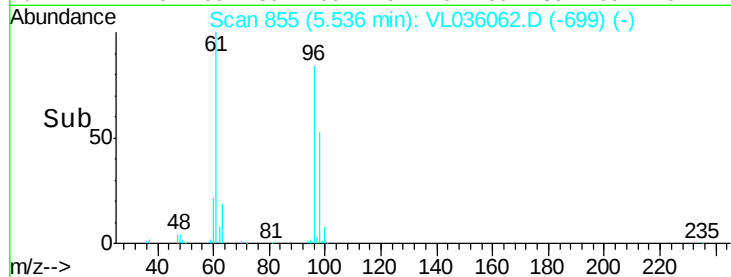
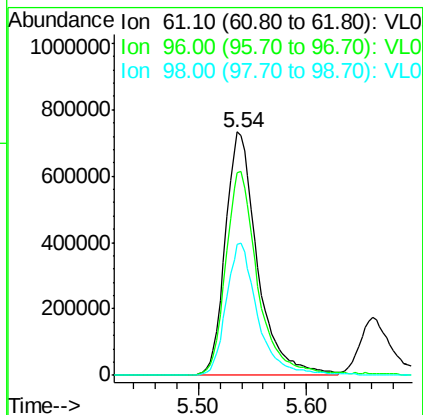
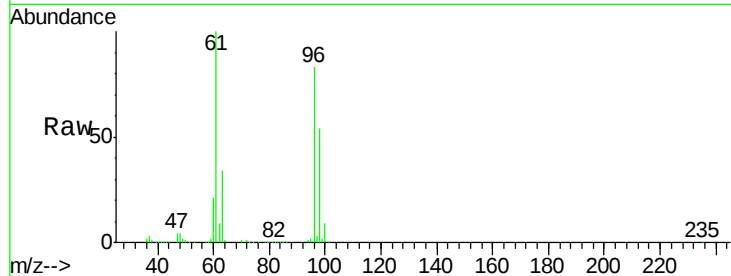
cis-1,2-Dichloroethene
Concen: 11.393 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	83.4	66.8	100.2
98	53.7	42.6	63.8

Manual Integrations
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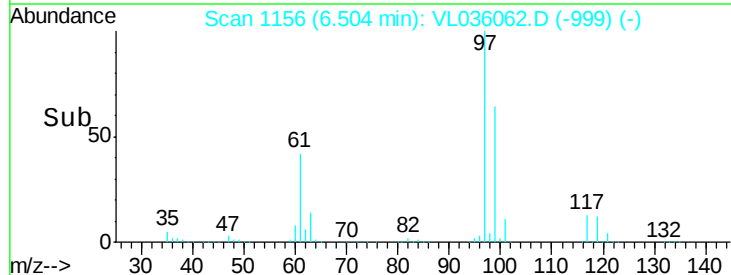
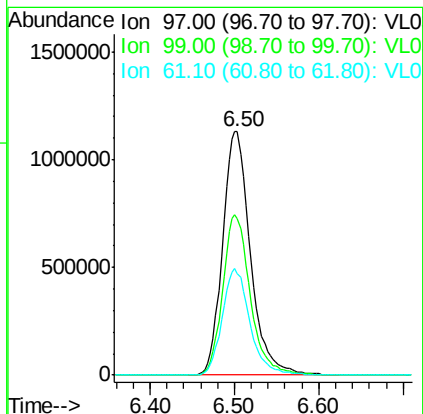
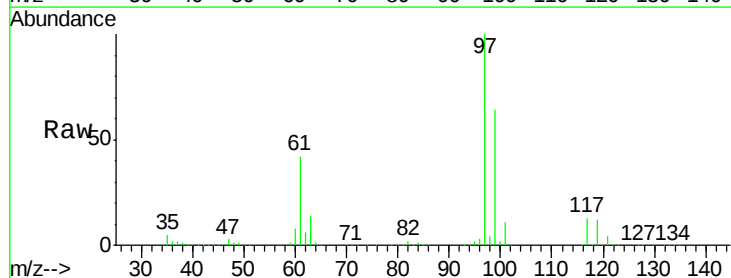
MMDadoda
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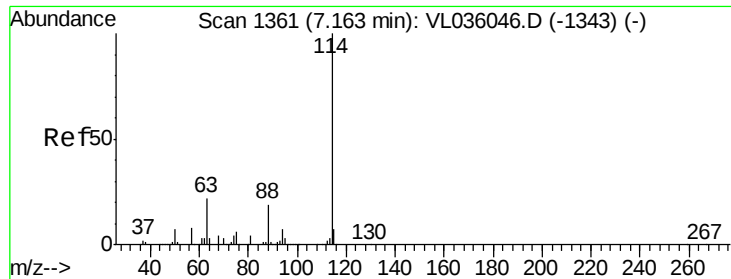


#32

1,1,1-Trichloroethane
Concen: 10.402 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	43.5	34.7	52.1





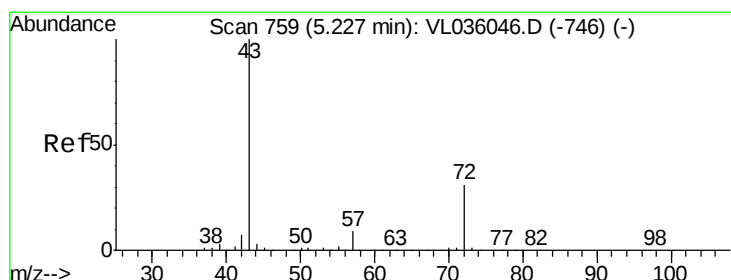
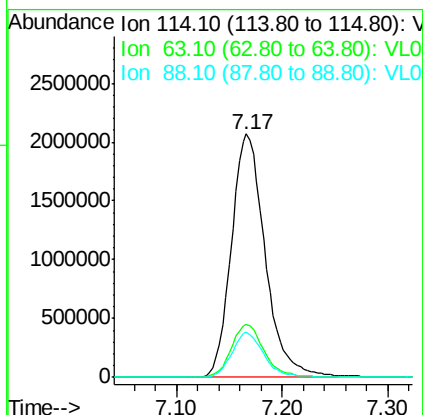
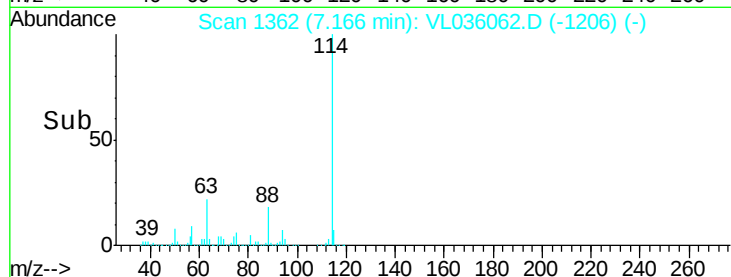
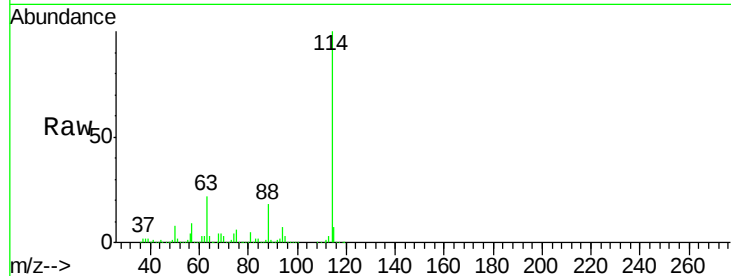
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4586219
 Ion Ratio Lower Upper
 114 100
 63 21.5 17.2 25.8
 88 17.7 14.0 21.0

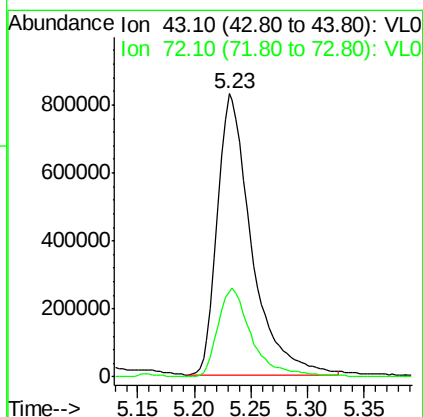
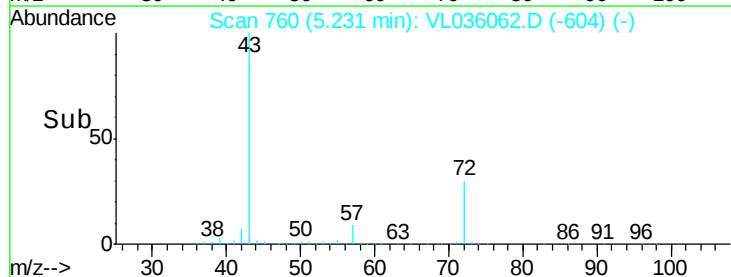
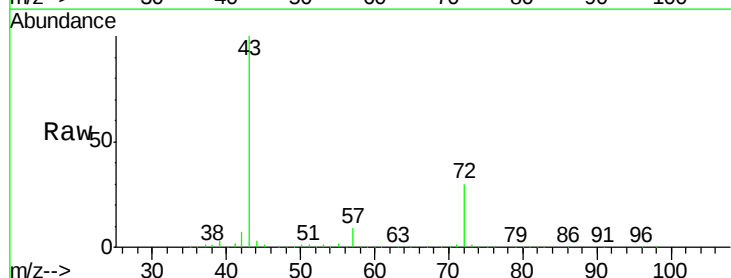
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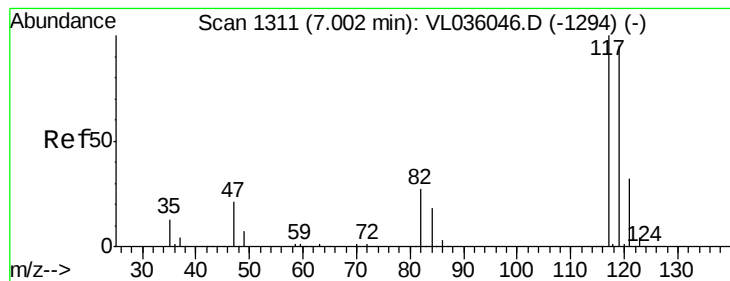
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#34
 2-Butanone
 Concen: 11.176 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 43 Resp: 1729763
 Ion Ratio Lower Upper
 43 100
 72 31.6 24.5 36.7





#35

Carbon Tetrachloride

Concen: 10.647 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2537776

Ion Ratio Lower Upper

117 100

119 95.7 75.9 113.9

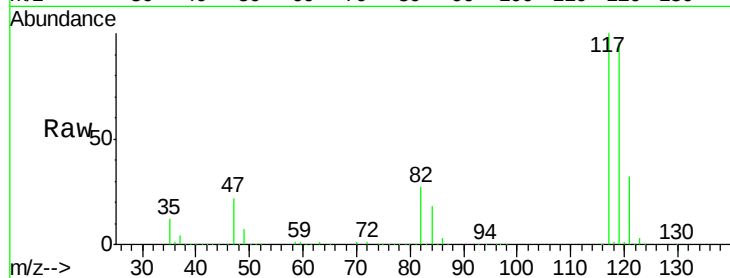
121 32.0 25.8 38.8

Manual Integrations

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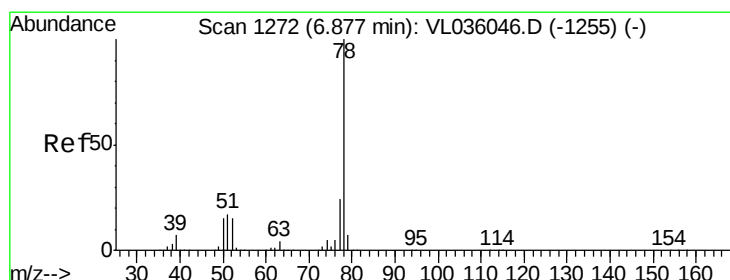
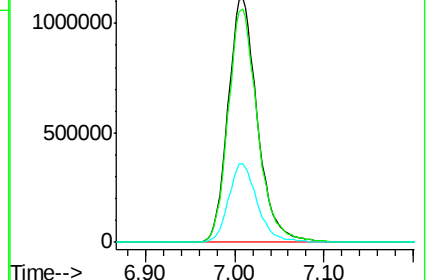
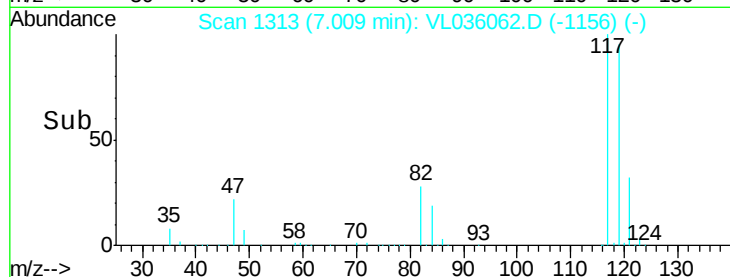
12/7/2020 12:08:40 PM



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: 11.116 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

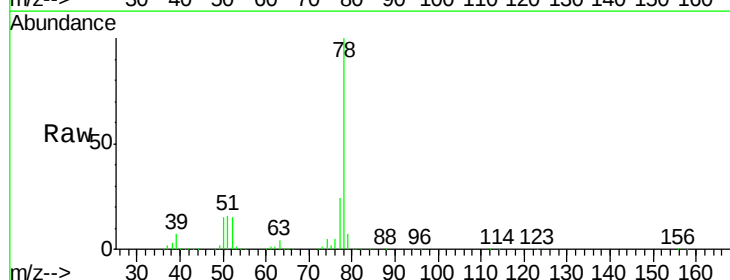
Tgt Ion: 78 Resp: 3538728

Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

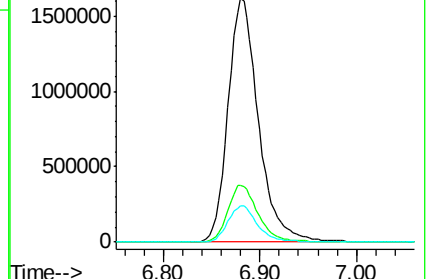
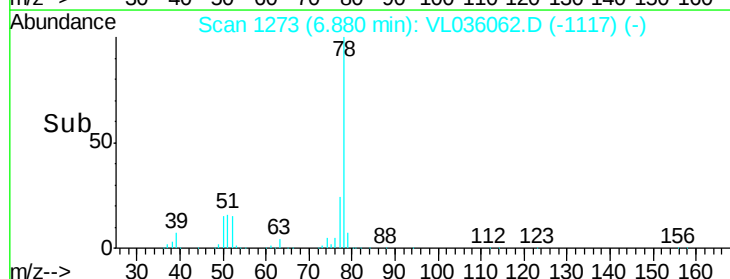
50 14.8 12.0 18.0

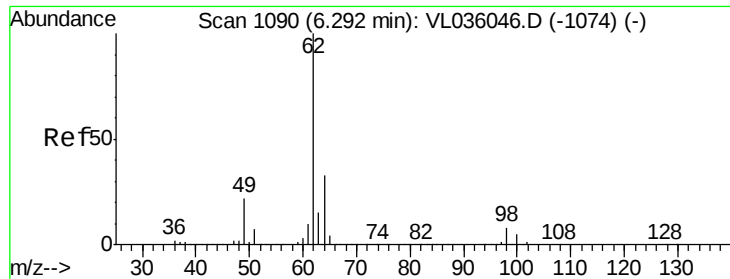


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





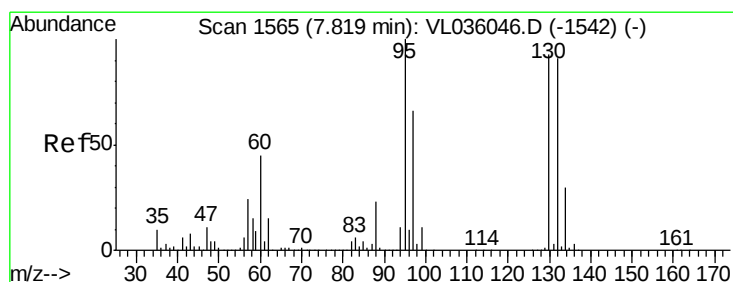
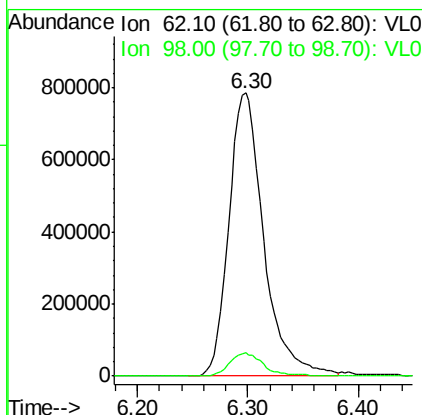
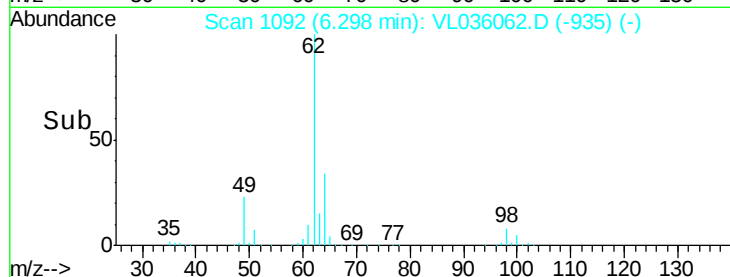
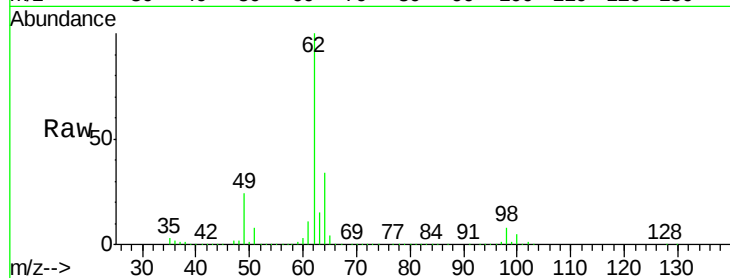
#37
1,2-Dichloroethane
Concen: 10.537 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1721337
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6

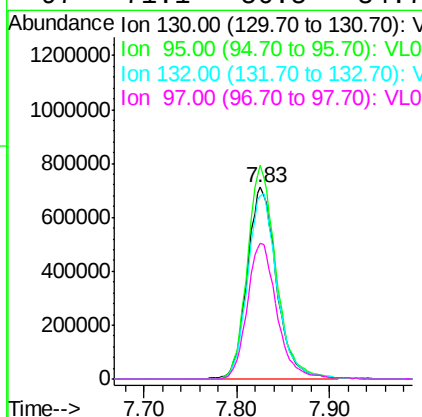
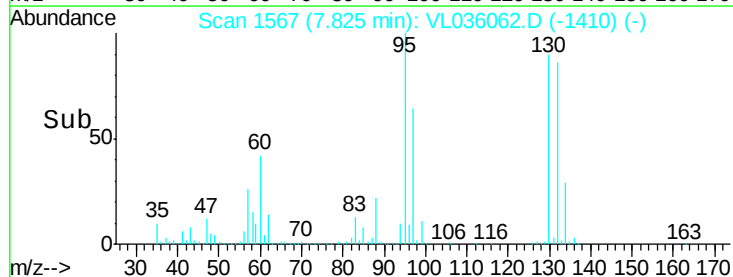
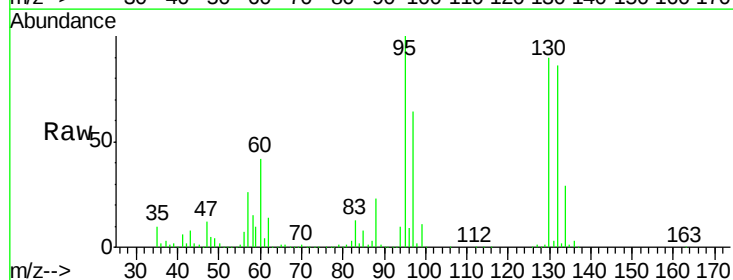
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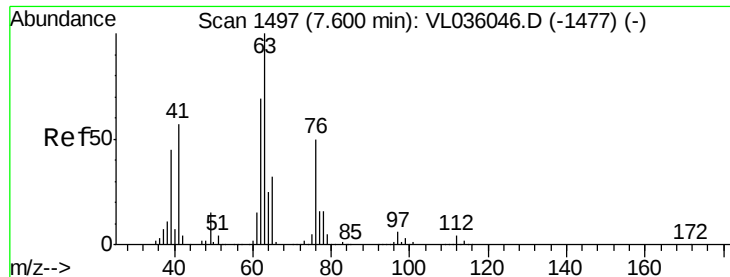
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#38
Trichloroethene
Concen: 11.127 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:130 Resp: 1569681
Ion Ratio Lower Upper
130 100
95 111.6 86.1 129.1
132 95.8 78.6 118.0
97 71.1 56.5 84.7





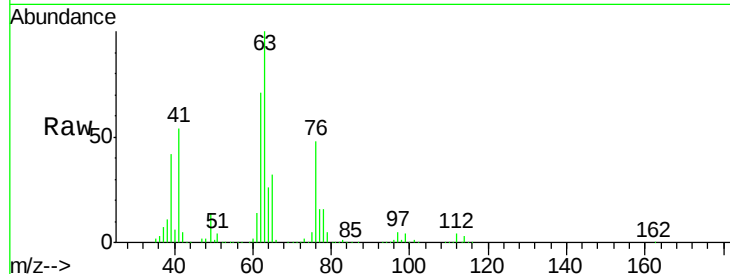
#39
 1,2-Dichloropropane
 Concen: 10.587 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

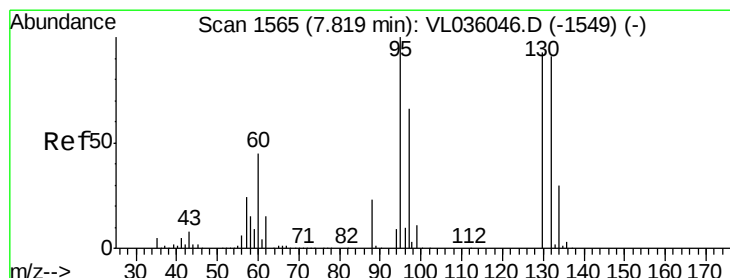
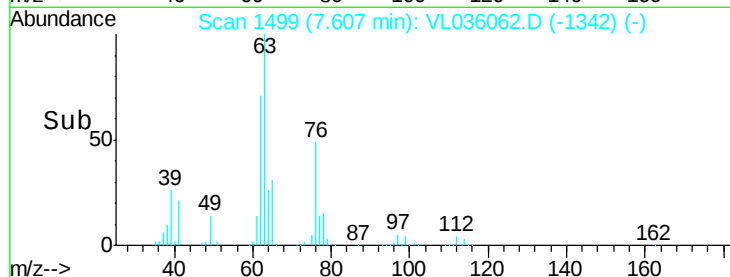
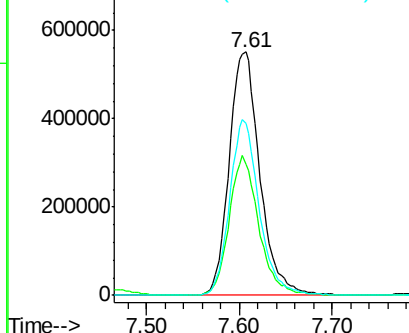
Tot Ion	Ratio	Lower	Upper
63	100		
41	53.7	45.4	68.0
62	70.6	55.3	82.9

Manual Integrations
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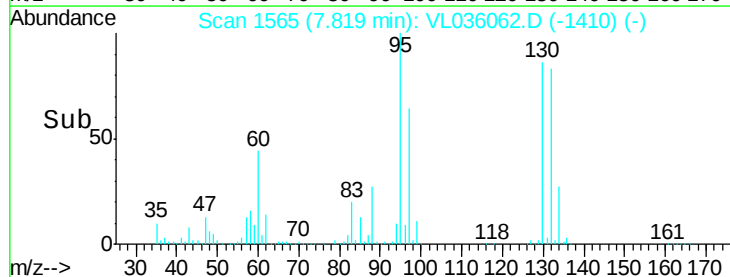
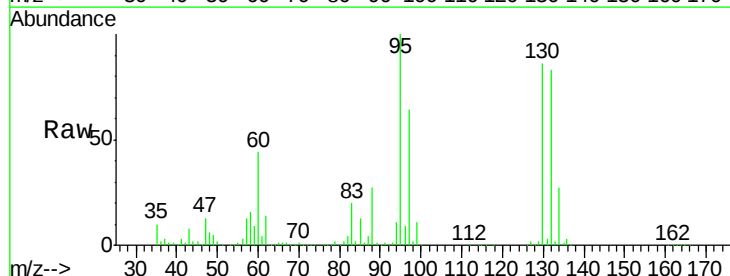
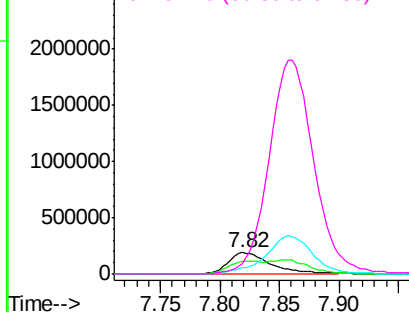
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

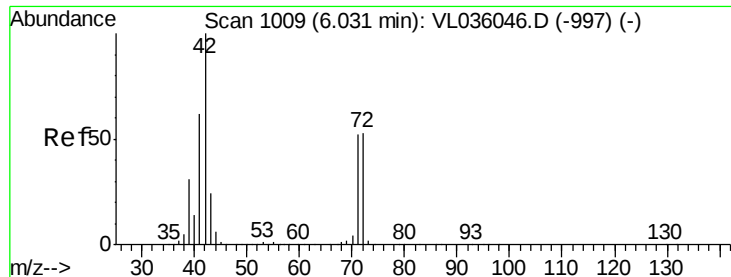


#40
 1,4-Dioxane
 Concen: 11.816 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	112.2	91.0	136.6
43	199.2	163.3	244.9
57	1056.0	865.6	1298.4

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





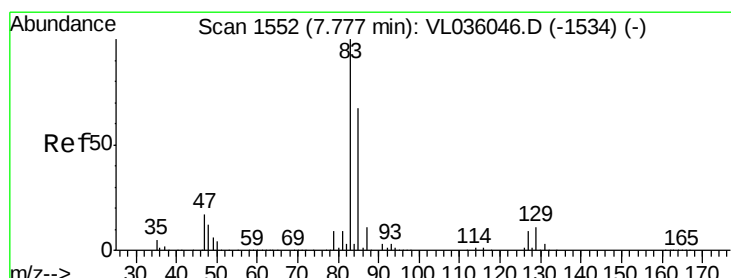
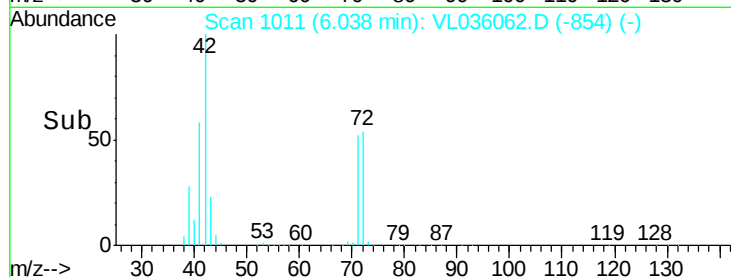
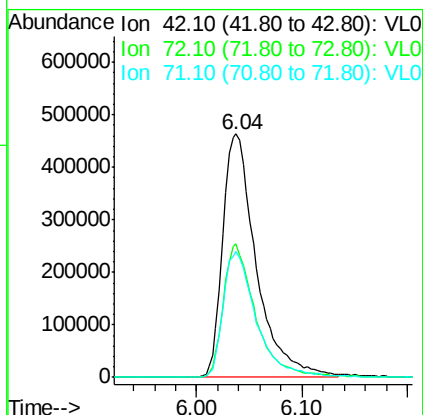
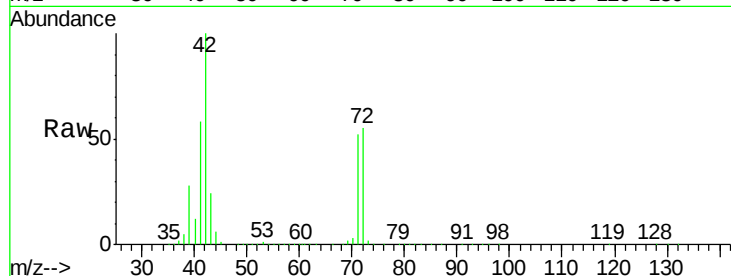
#41
Tetrahydrofuran
Concen: 12.481 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 42 Resp: 1021017
Ion Ratio Lower Upper
42 100
72 53.4 42.7 64.1
71 51.4 41.0 61.4

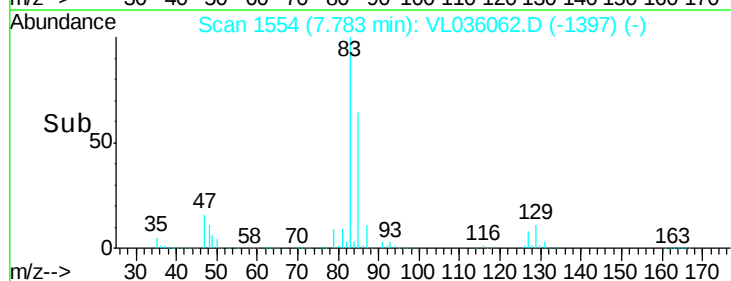
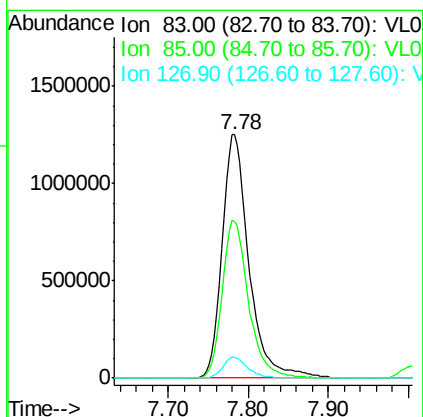
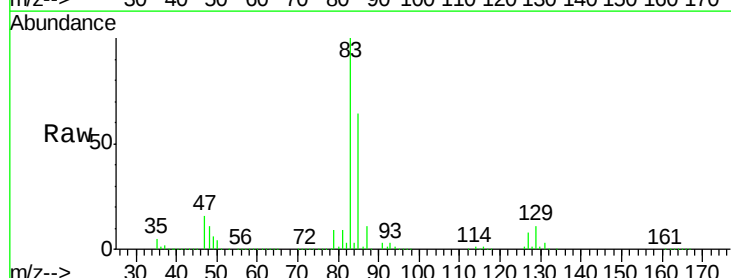
Manual Integrations
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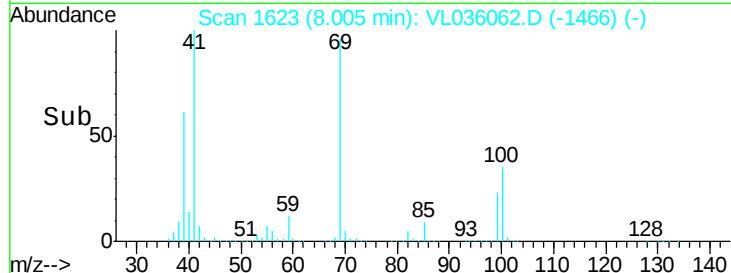
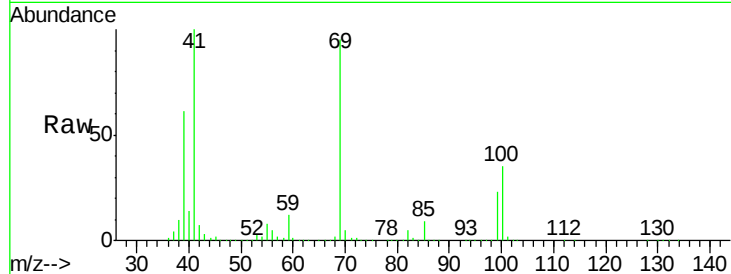
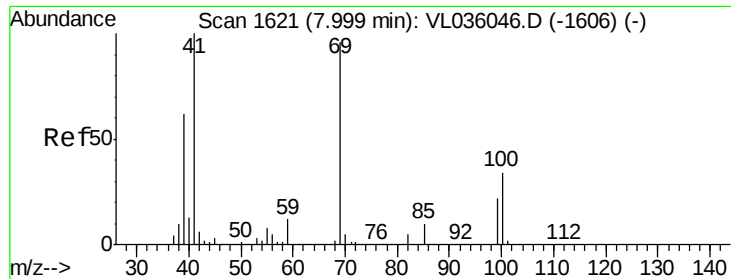
MMDadoda
12/7/2020 12:08:40 PM



#42
Bromodichloromethane
Concen: 11.279 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 83 Resp: 2883316
Ion Ratio Lower Upper
83 100
85 64.1 53.7 80.5
127 8.5 7.0 10.6





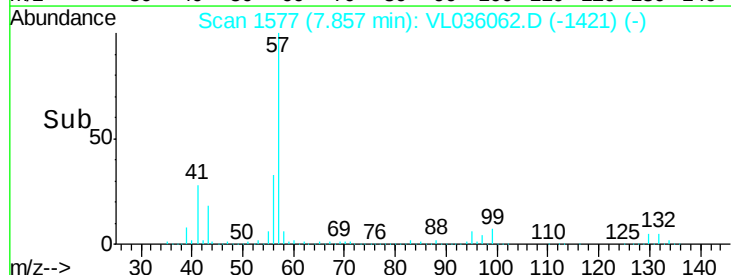
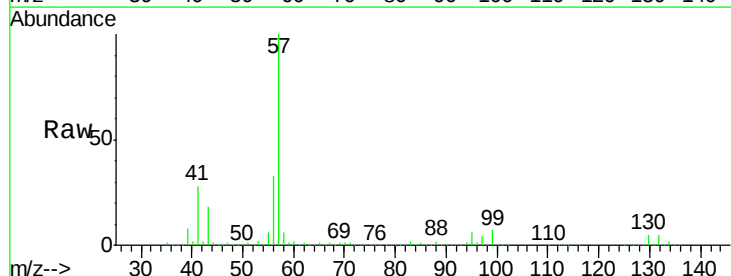
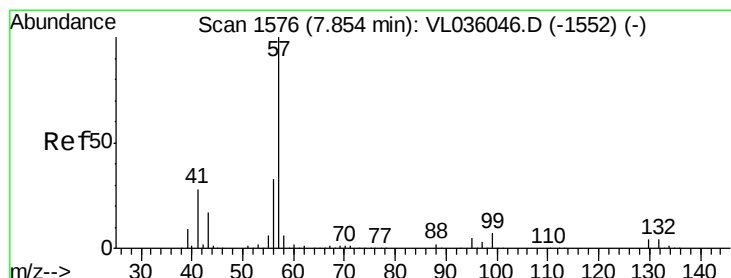
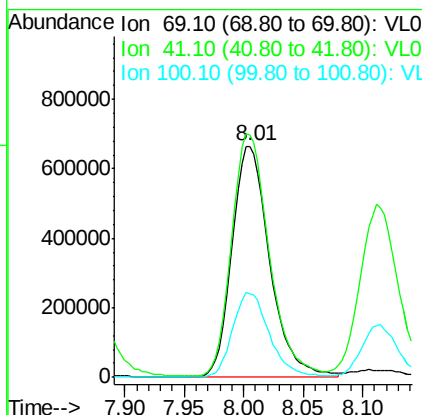
#43
Methyl Methacrylate
Concen: 12.533 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tot Ion: 69 Resp: 1462926
Ion Ratio Lower Upper
69 100
41 105.8 86.5 129.7
100 36.0 29.0 43.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

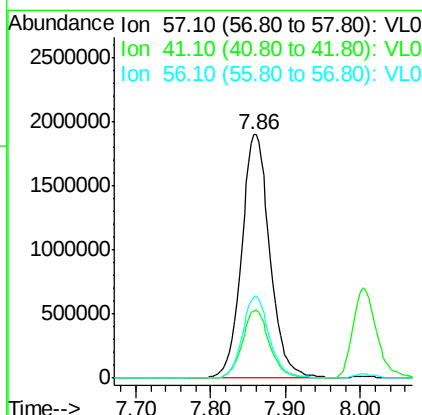
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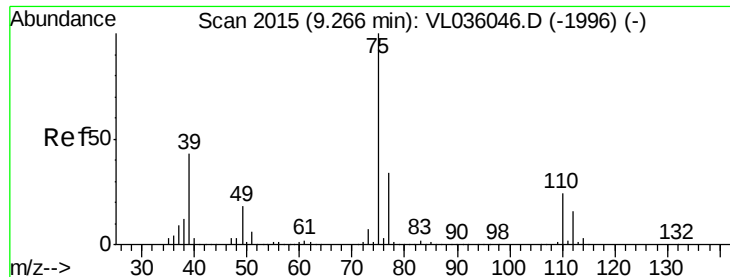
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#44
2,2,4-Trimethylpentane
Concen: 10.628 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 57 Resp: 4977219
Ion Ratio Lower Upper
57 100
41 26.9 21.9 32.9
56 32.1 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 13.504 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tot Ion: 75 Resp: 1473898

Ion Ratio Lower Upper

75 100

77 33.4 26.8 40.2

Instrument :

MSVOA_L

ClientSampleId :

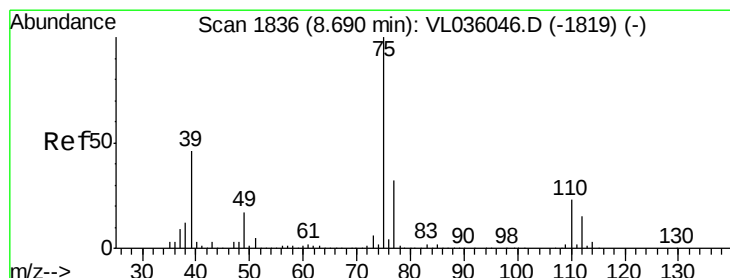
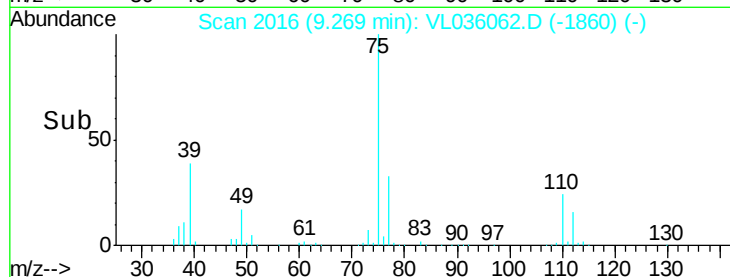
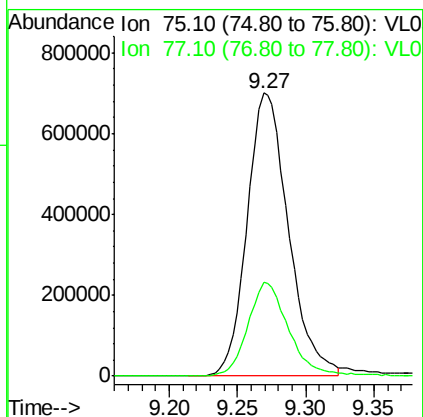
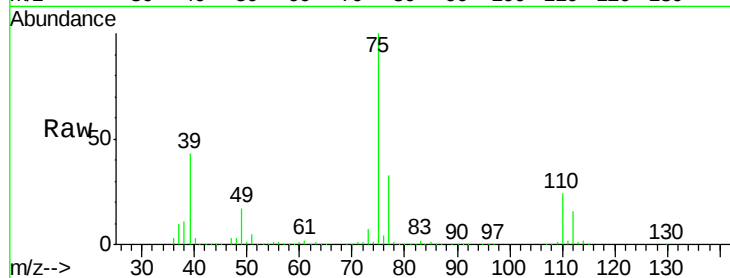
VSTDCCC010EC

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#46

cis-1,3-Dichloropropene

Concen: 13.174 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

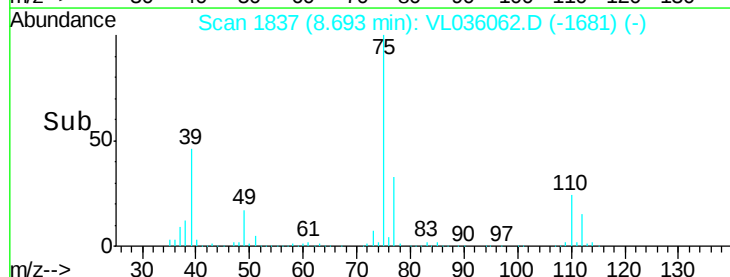
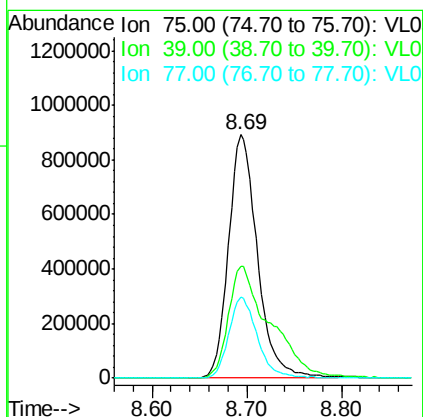
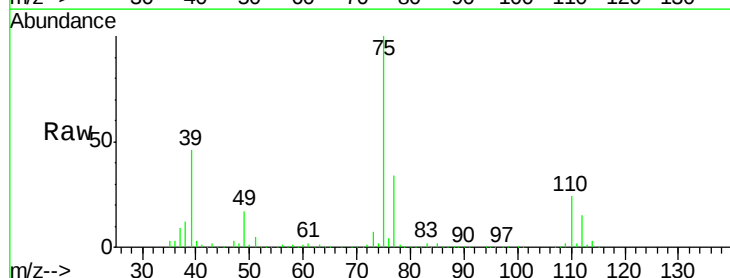
Tgt Ion: 75 Resp: 1896197

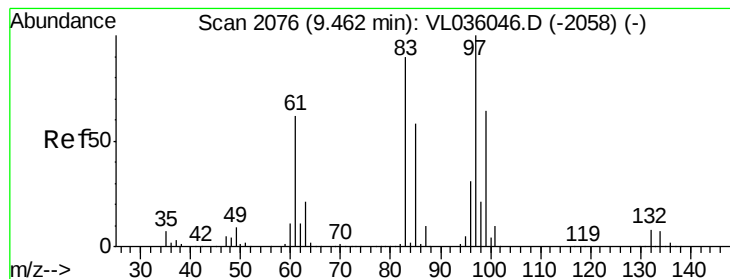
Ion Ratio Lower Upper

75 100

39 45.9 37.0 55.4

77 33.5 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 10.595 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1607877

Ion Ratio Lower Upper

97 100

83 87.1 72.1 108.1

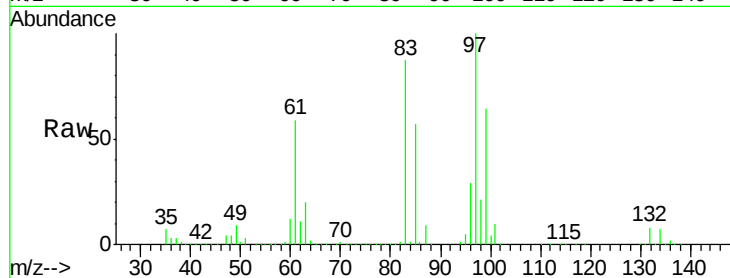
85 56.7 46.6 69.8

99 64.2 51.0 76.4

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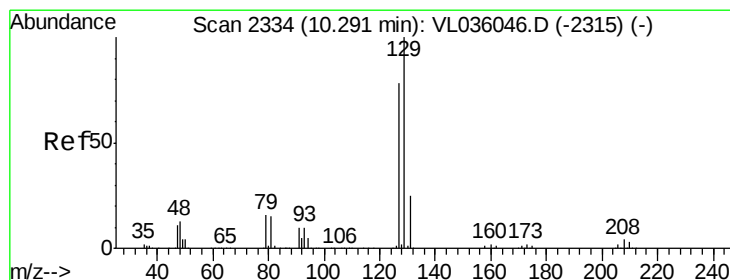
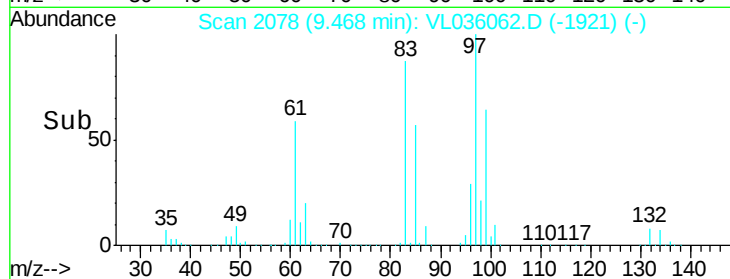
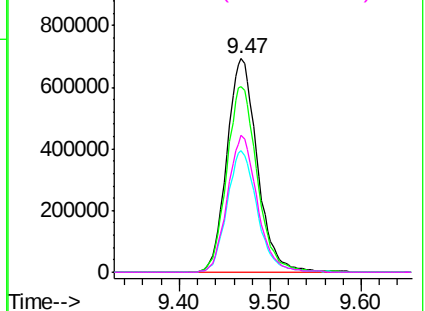


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.808 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. 0.01 min

Lab File: VL036062.D

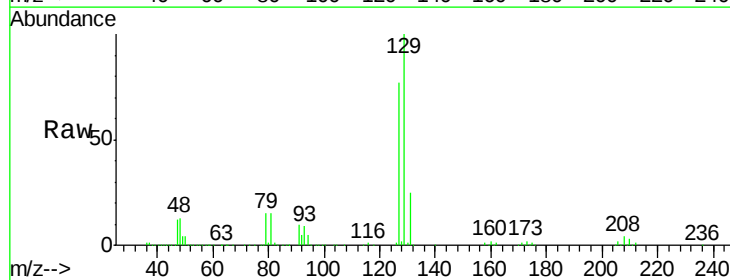
Acq: 3 Dec 2020 22:27

Tgt Ion: 129 Resp: 2485223

Ion Ratio Lower Upper

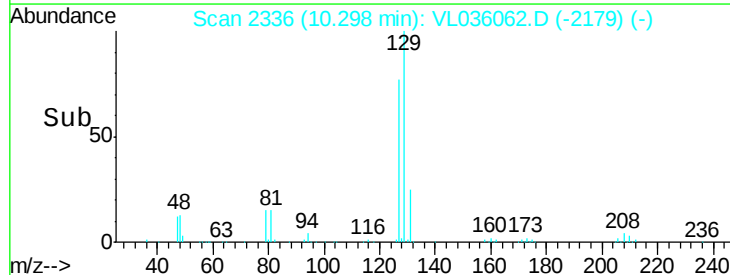
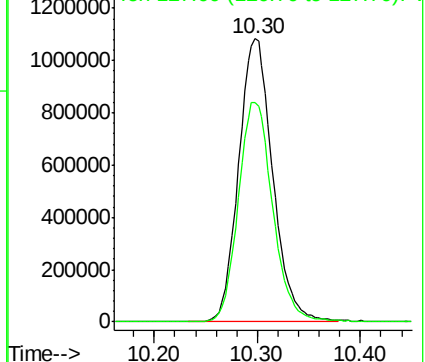
129 100

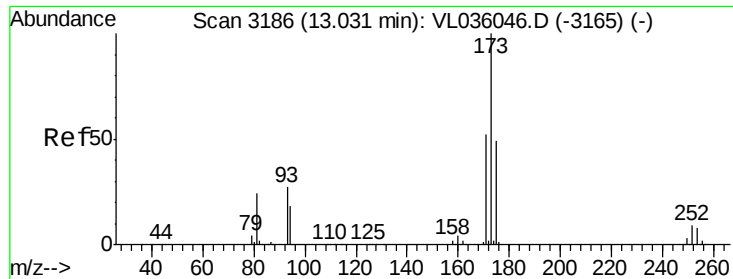
127 78.8 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.364 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1927070

Ion Ratio Lower Upper

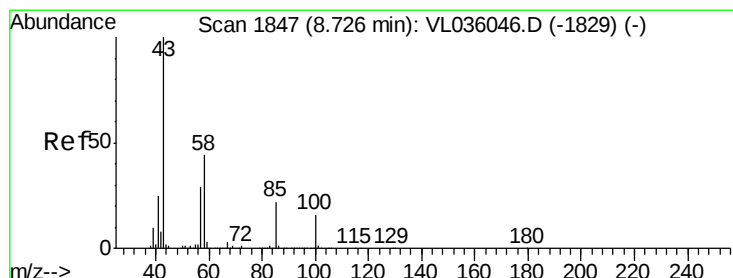
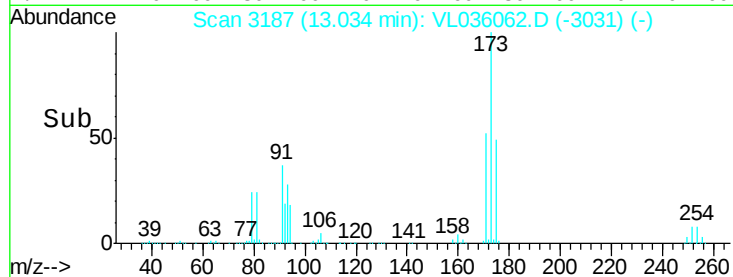
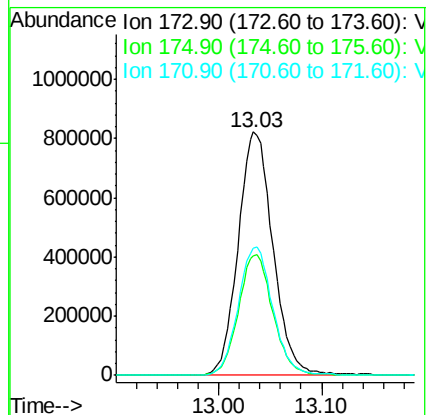
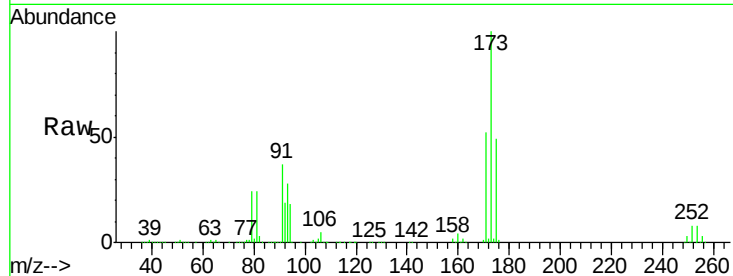
173 100

175 49.6 39.5 59.3

171 53.0 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 11.172 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL036062.D

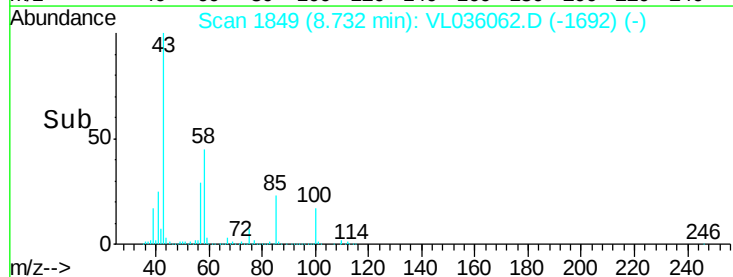
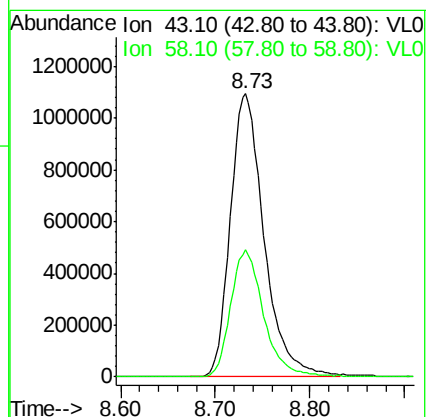
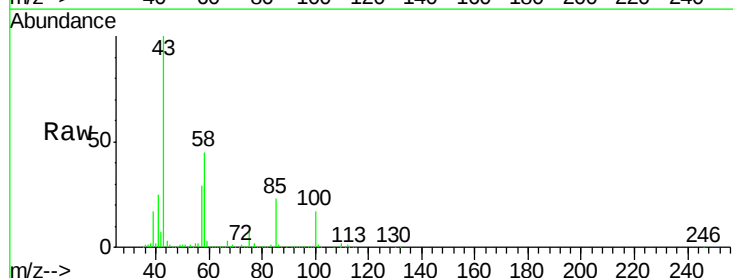
Acq: 3 Dec 2020 22:27

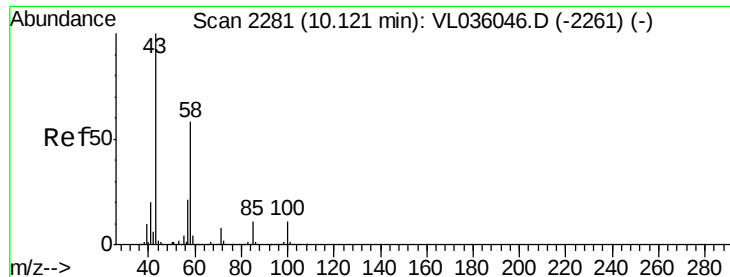
Tgt Ion: 43 Resp: 2704673

Ion Ratio Lower Upper

43 100

58 44.1 34.7 52.1





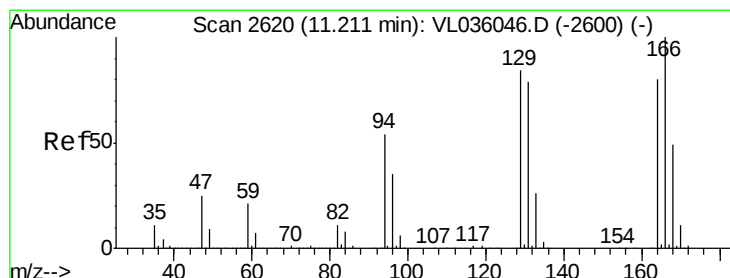
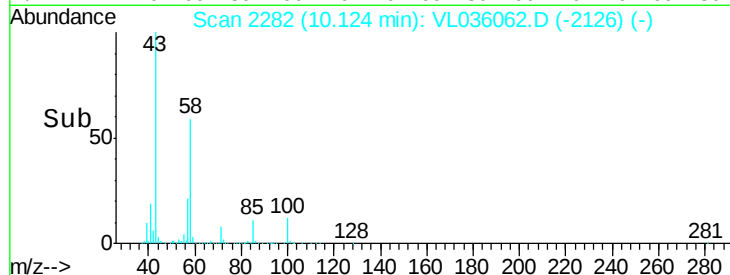
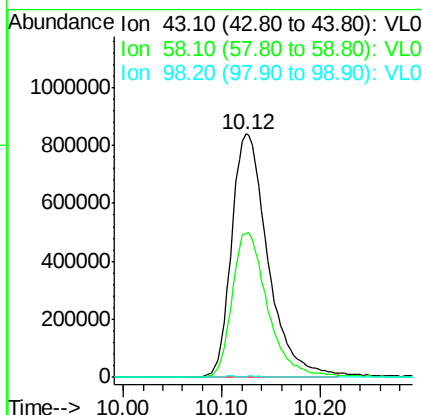
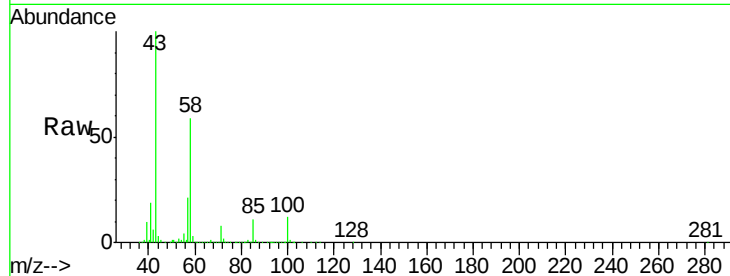
#51
2-Hexanone
Concen: 12.313 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2146560
Ion Ratio Lower Upper
43 100
58 58.5 45.7 68.5
98 0.8 0.8 1.2

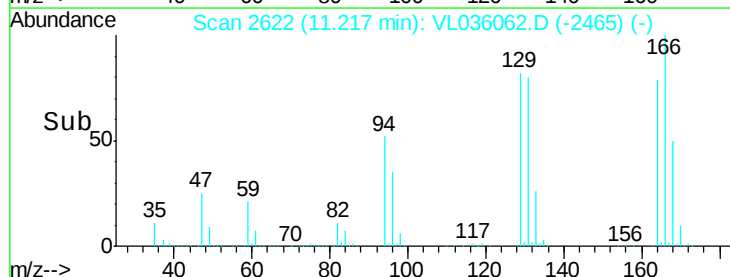
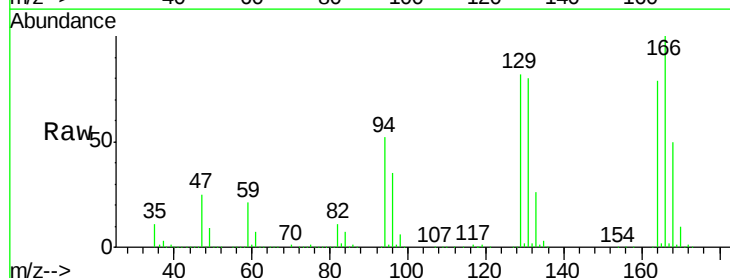
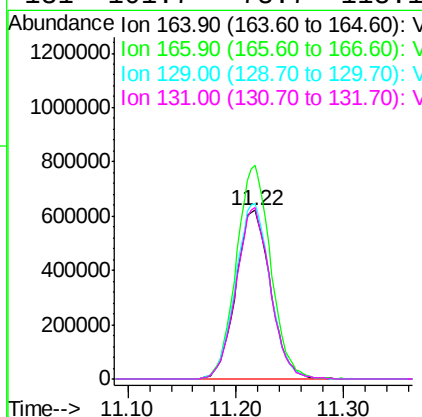
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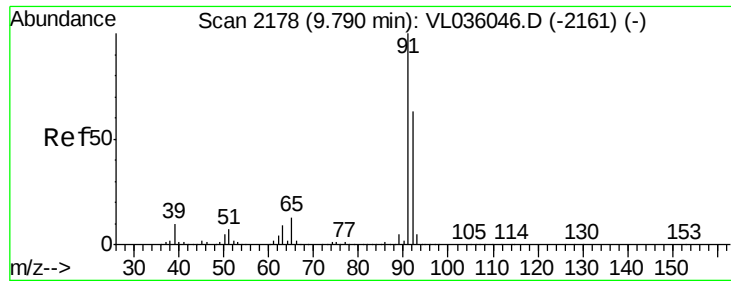
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#52
Tetrachloroethene
Concen: 11.384 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:164 Resp: 1393854
Ion Ratio Lower Upper
164 100
166 126.8 100.2 150.2
129 104.0 83.7 125.5
131 101.7 78.7 118.1





#53

Toluene

Concen: 11.990 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4171700

Ion Ratio Lower Upper

91 100

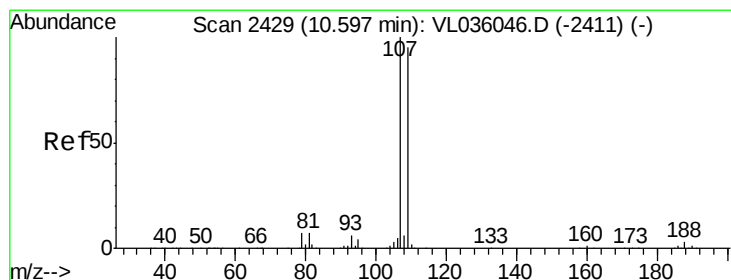
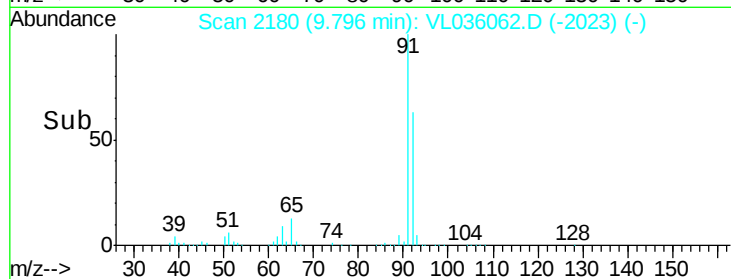
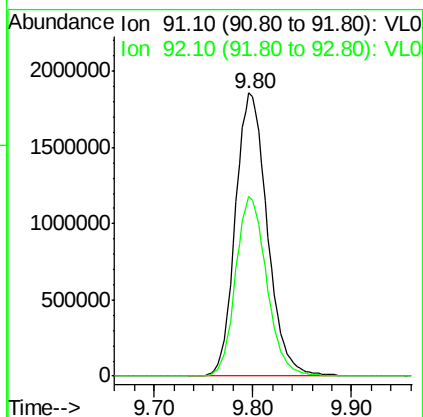
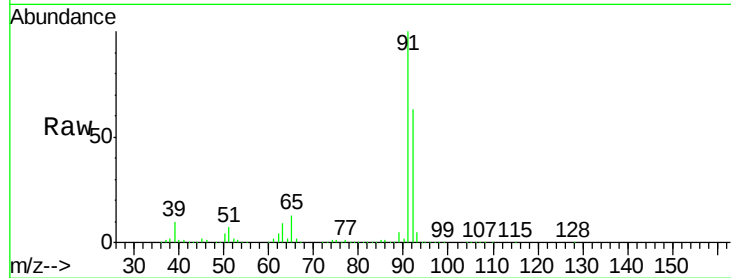
92 61.9 49.3 73.9

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#54

1,2-Dibromoethane

Concen: 11.091 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VL036062.D

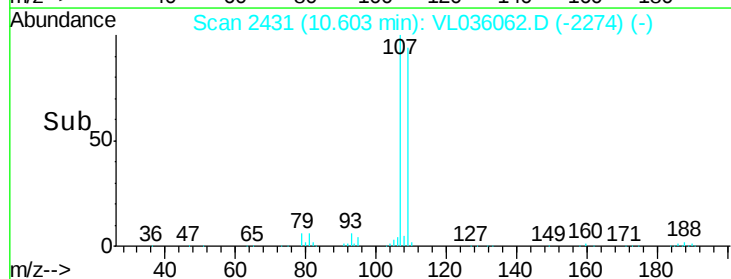
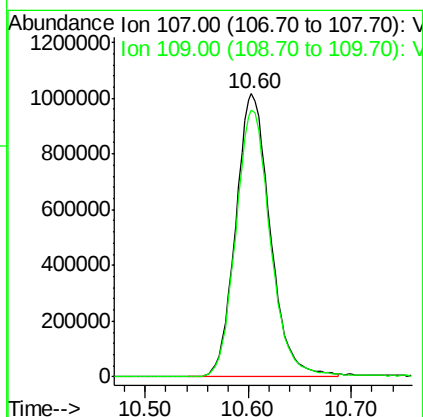
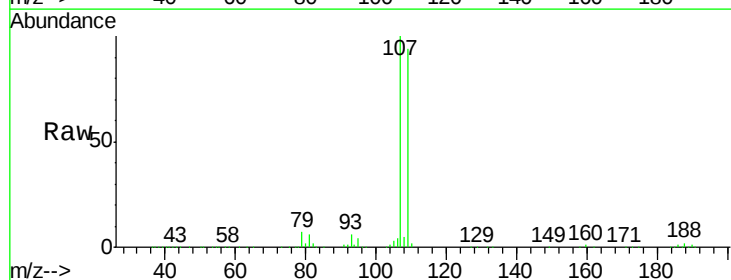
Acq: 3 Dec 2020 22:27

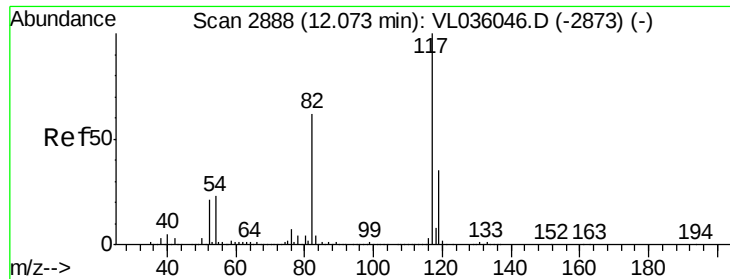
Tgt Ion: 107 Resp: 2365340

Ion Ratio Lower Upper

107 100

109 94.1 75.7 113.5





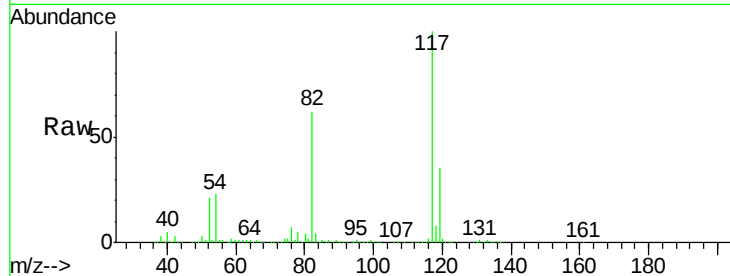
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

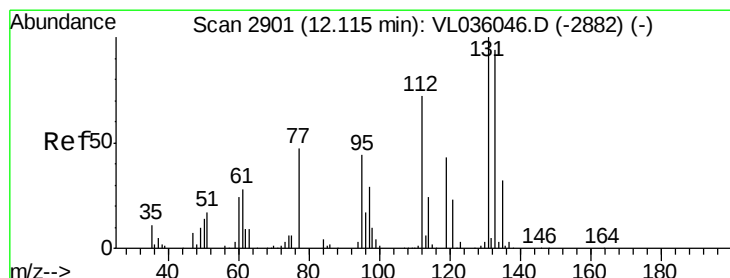
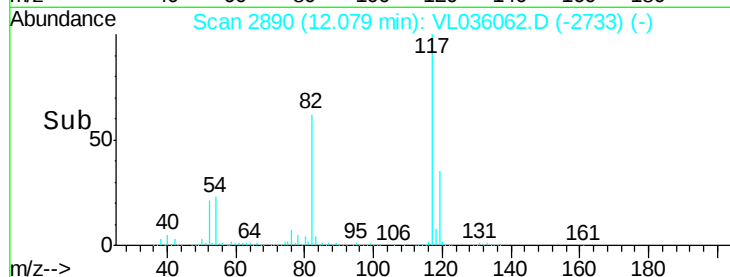
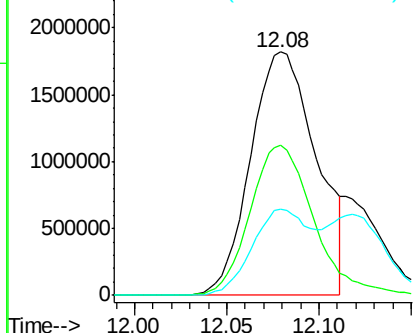
Tot Ion:117 Resp: 4522300
Ion Ratio Lower Upper
117 100
82 59.9 49.9 74.9
119 30.8 28.7 43.1

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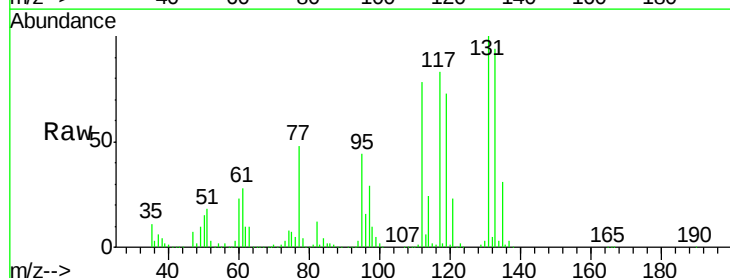


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

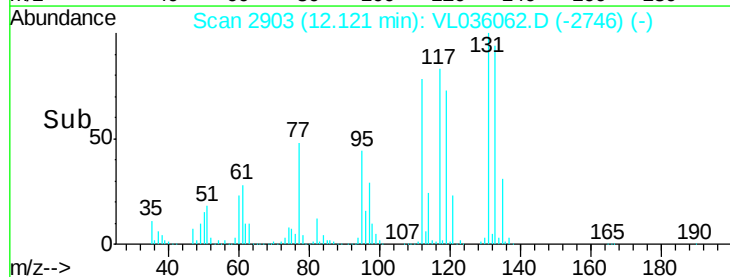
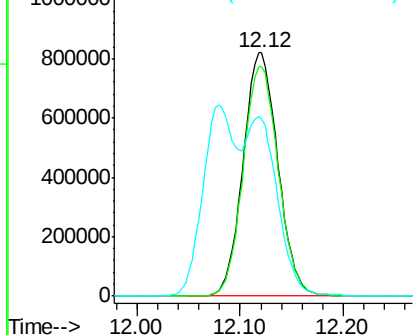


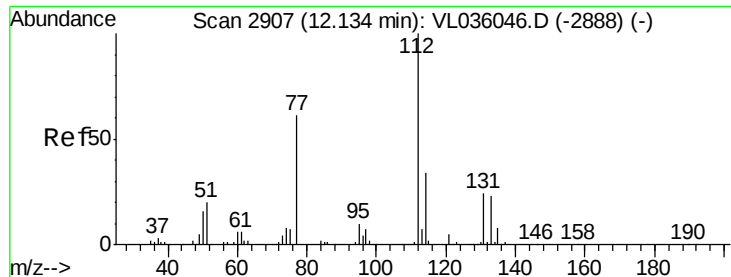
#56
1,1,1,2-Tetrachloroethane
Concen: 10.409 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:131 Resp: 1922420
Ion Ratio Lower Upper
131 100
133 95.7 76.1 114.1
119 66.8 49.5 74.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





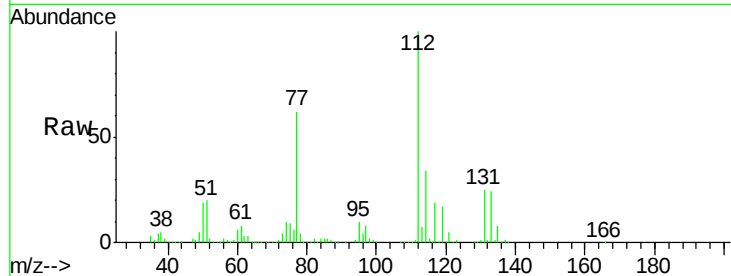
#57
Chlorobenzene
Concen: 9.882 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

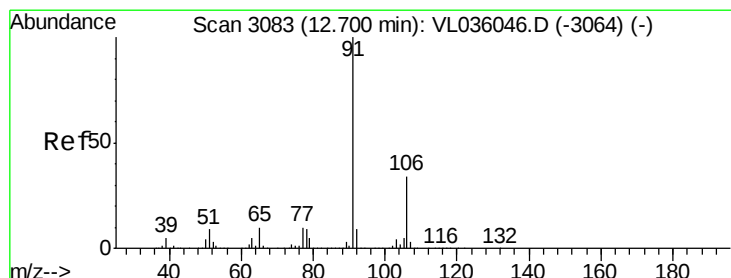
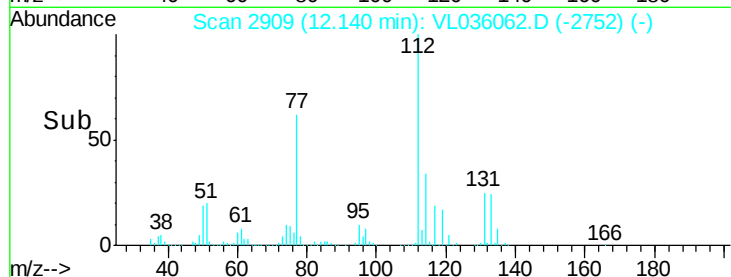
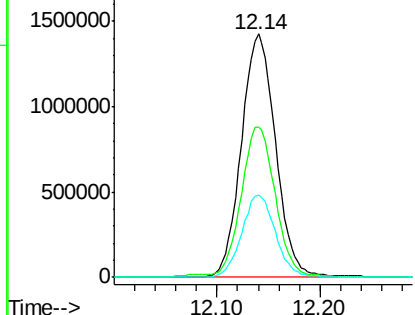
Tot Ion	Ratio	Lower	Upper
112	100		
77	61.3	49.3	73.9
114	33.8	30.2	36.9

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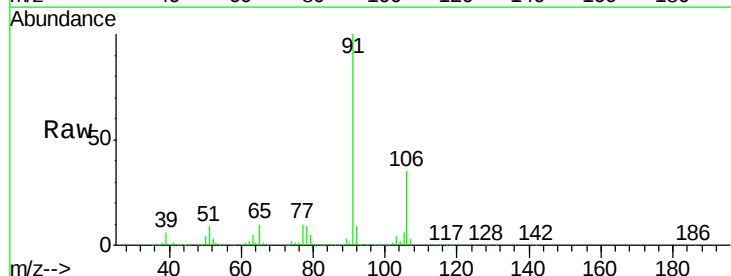


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

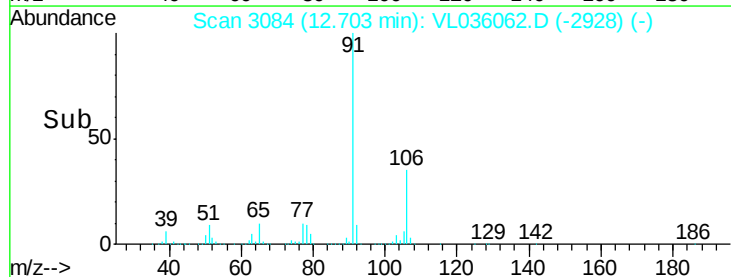
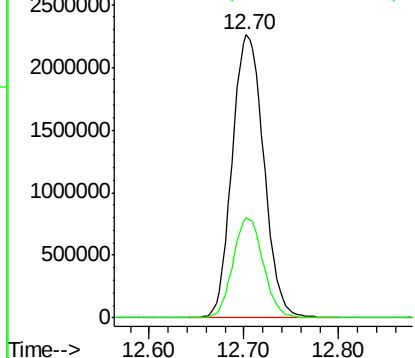


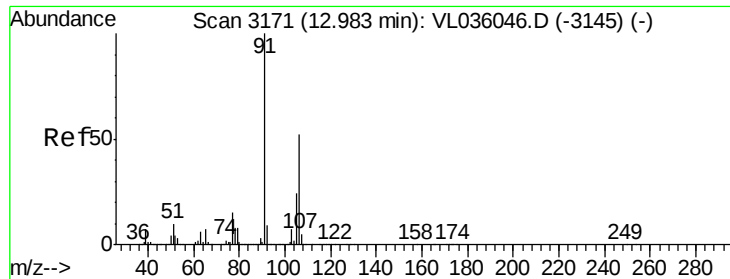
#58
Ethyl Benzene
Concen: 11.588 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.5	27.4	41.2



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





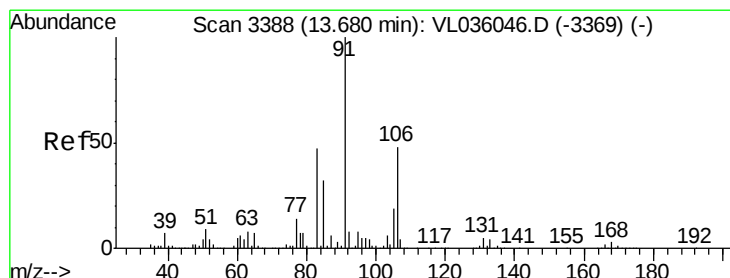
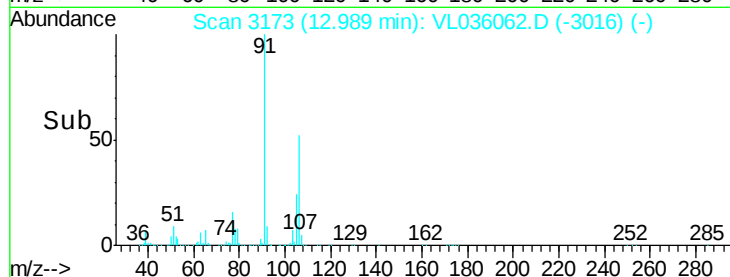
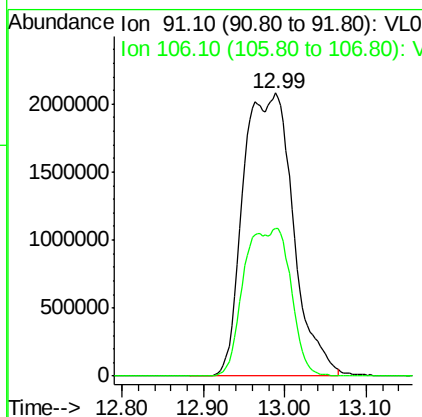
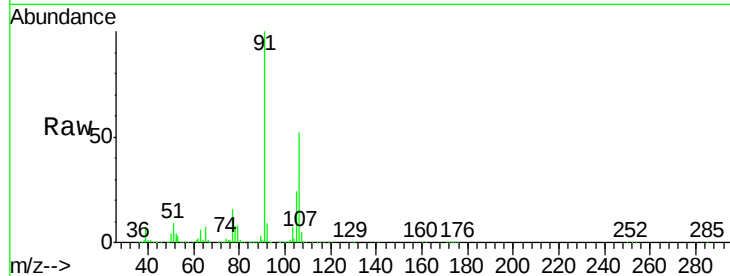
#59
m/p-Xylene
Concen: 21.626 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8893692
Ion Ratio Lower Upper
91 100
106 49.0 38.7 58.1

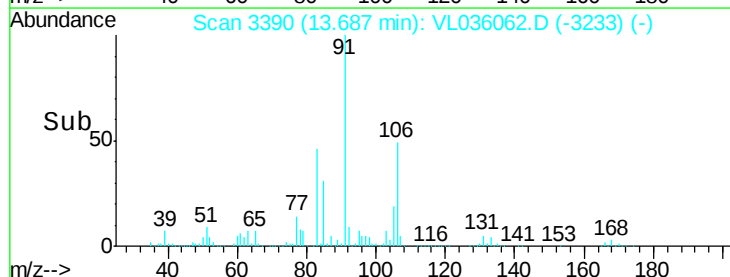
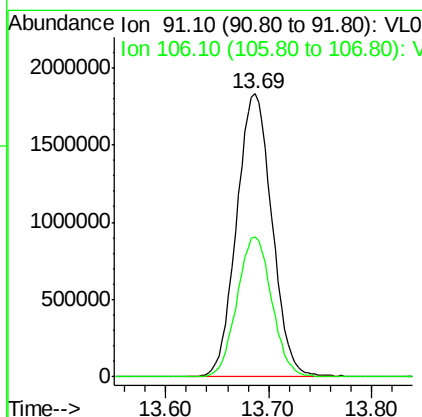
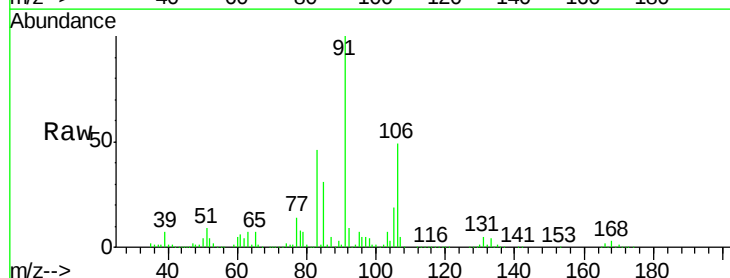
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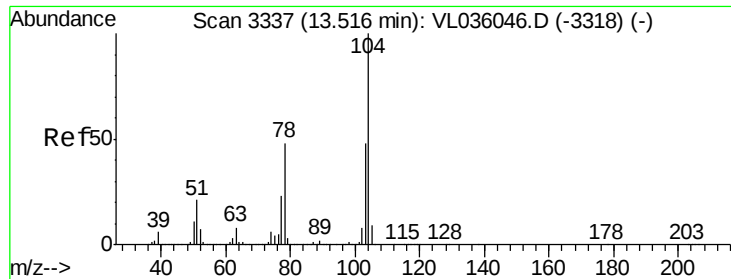
MMDadoda
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#60
o-Xylene
Concen: 10.542 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion: 91 Resp: 4359033
Ion Ratio Lower Upper
91 100
106 48.8 24.1 72.3





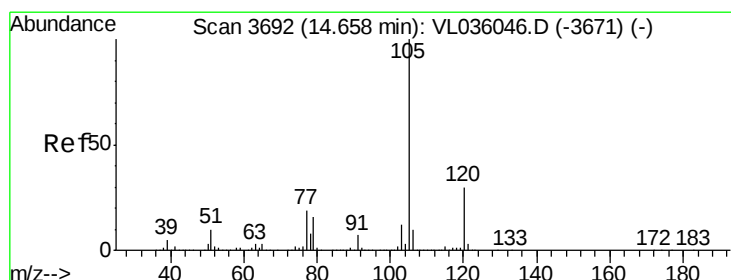
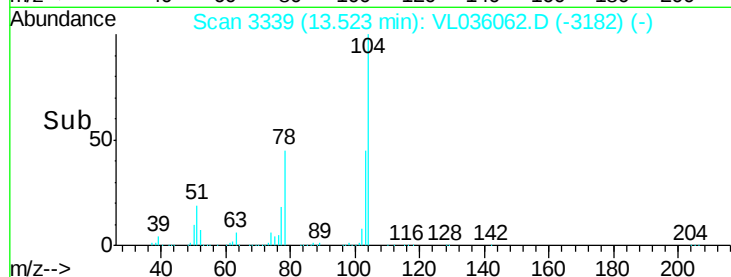
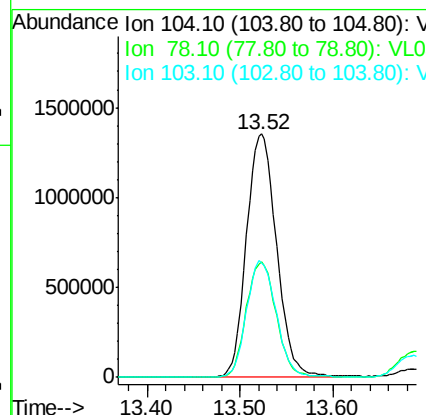
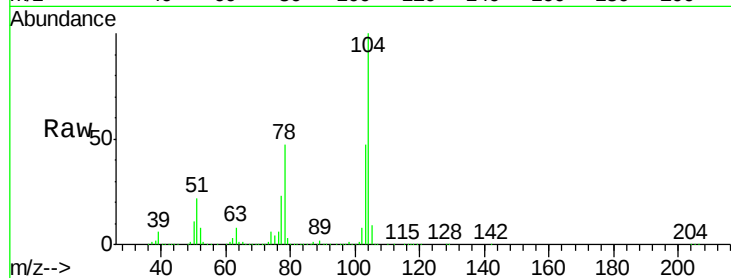
#61
Stvrene
Concen: 12.971 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.01 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 3064647
Ion Ratio Lower Upper
104 100
78 47.3 38.0 57.0
103 47.5 37.7 56.5

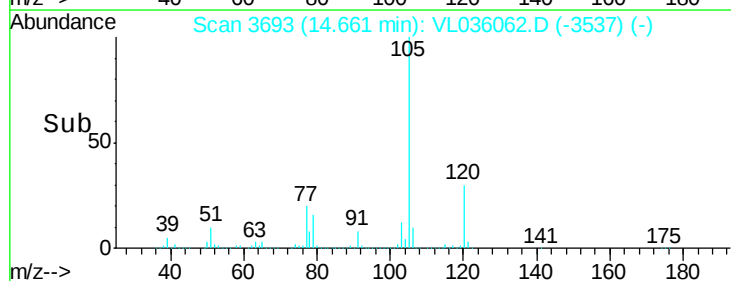
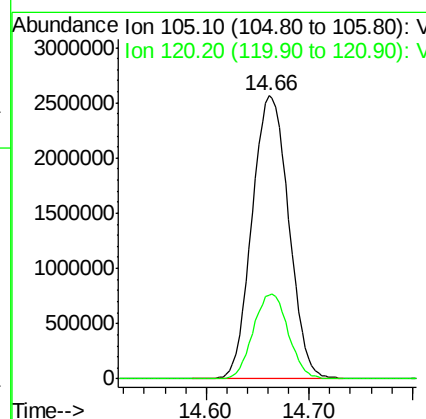
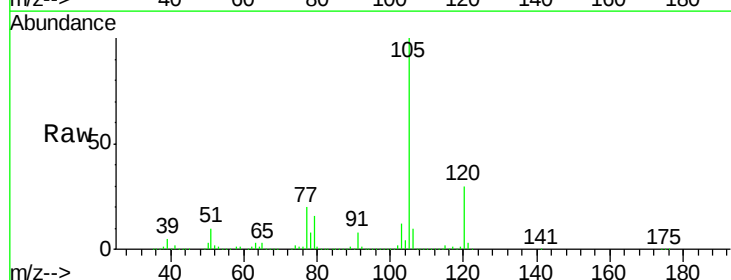
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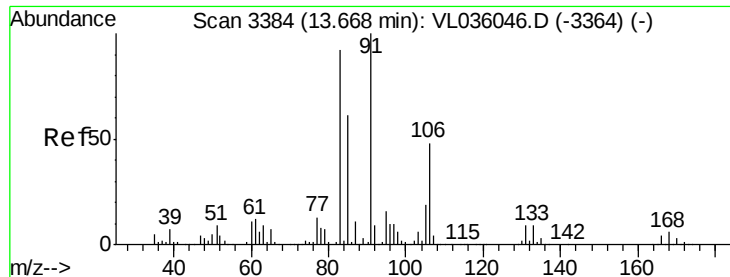
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#62
Isopropylbenzene
Concen: 10.285 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL036062.D
Acq: 3 Dec 2020 22:27

Tgt Ion:105 Resp: 6320544
Ion Ratio Lower Upper
105 100
120 28.8 22.6 34.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.144 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3108746

Ion Ratio Lower Upper

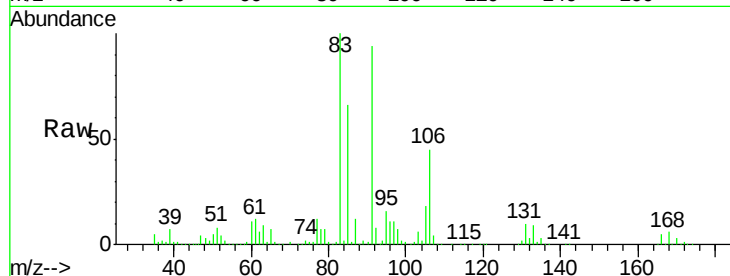
83 100

131 9.6 4.8 14.4

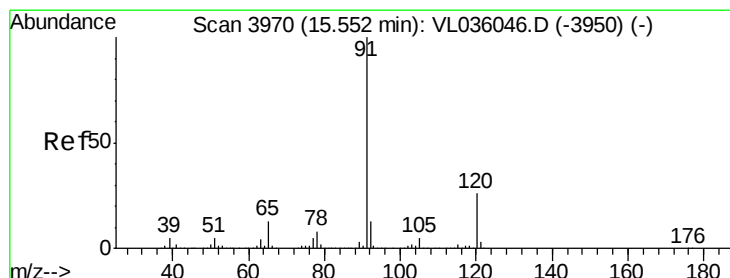
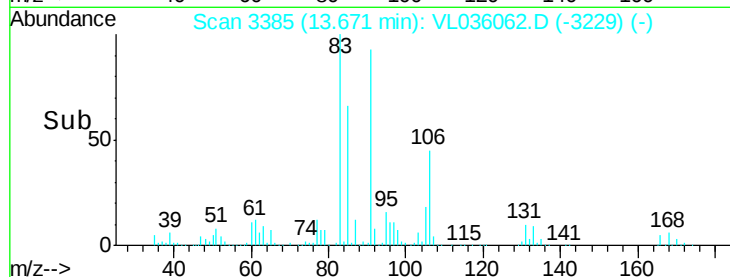
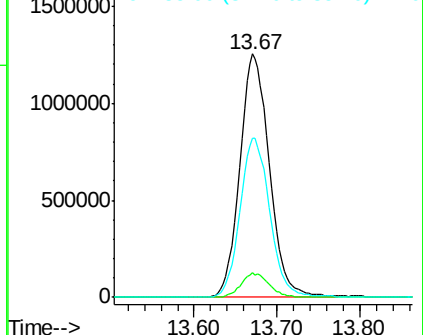
85 66.5 33.3 99.9

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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: 11.103 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.01 min

Lab File: VL036062.D

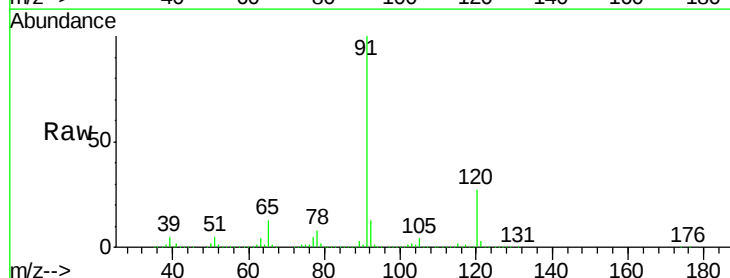
Acq: 3 Dec 2020 22:27

Tgt Ion:120 Resp: 1805670

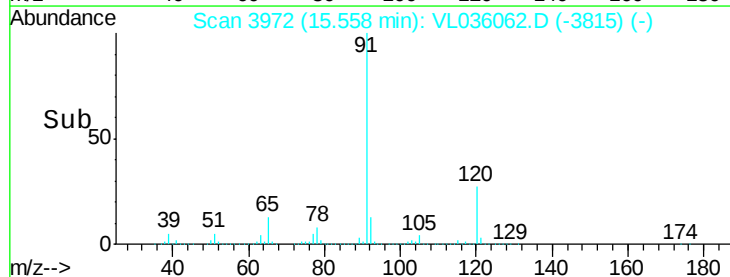
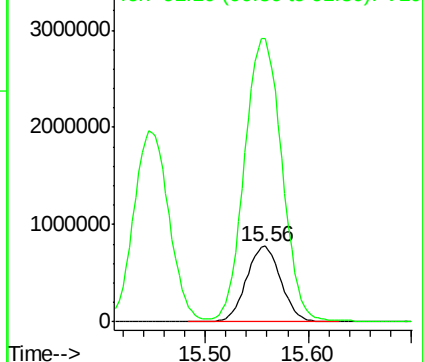
Ion Ratio Lower Upper

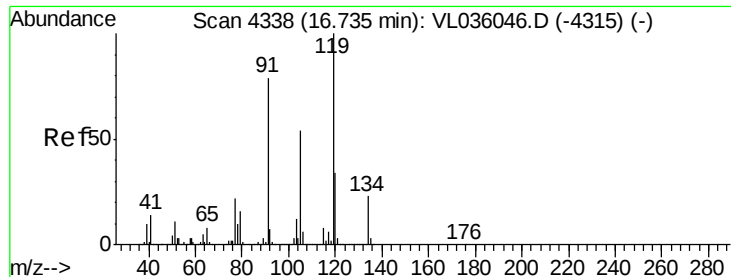
120 100

91 408.0 331.4 497.2



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





#65

tert-Butylbenzene

Concen: 10.596 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5466420

Ion Ratio Lower Upper

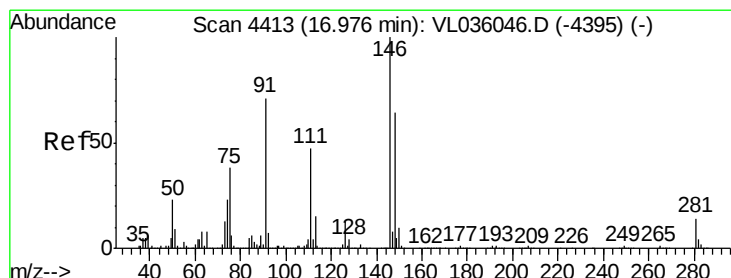
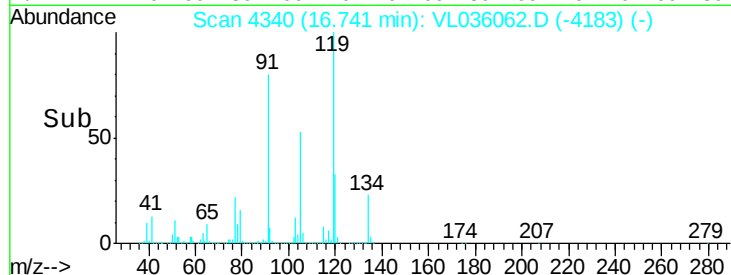
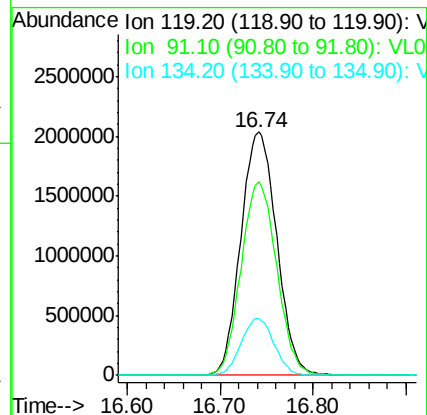
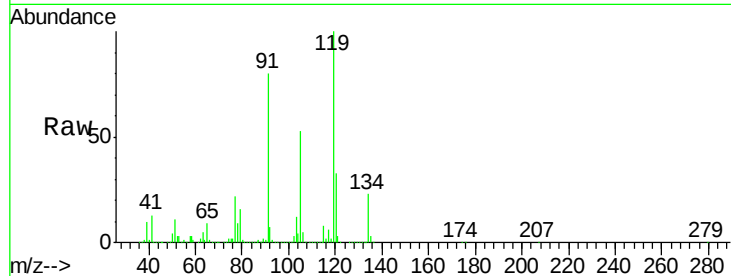
119 100

91 79.3 63.4 95.2

134 21.6 17.1 25.7

Manual Integrations
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#66

Benzyl Chloride

Concen: 12.671 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

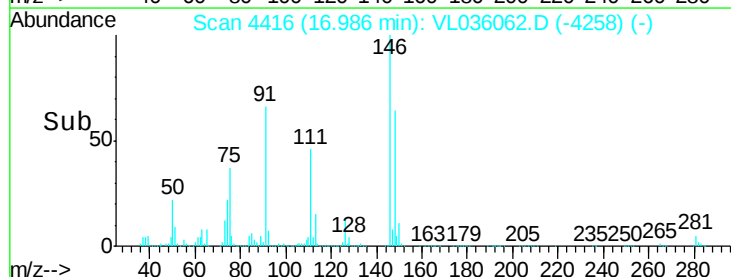
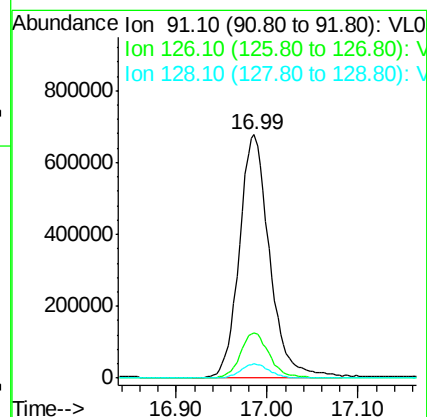
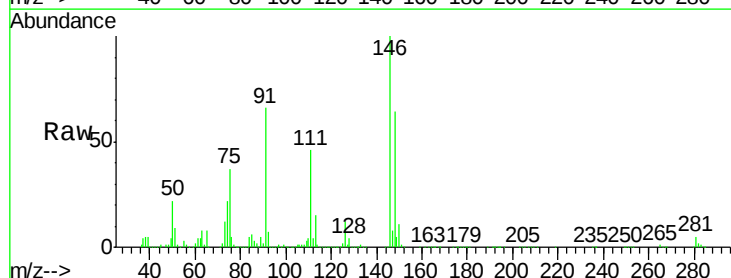
Tgt Ion: 91 Resp: 1562252

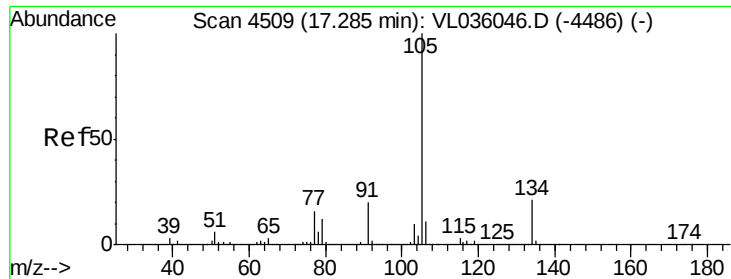
Ion Ratio Lower Upper

91 100

126 18.1 14.3 21.5

128 5.7 4.7 7.1





#67

sec-Butylbenzene

Concen: 10.377 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7342701

Ion Ratio Lower Upper

105 100

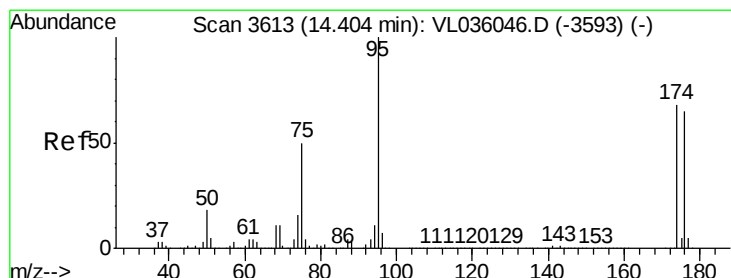
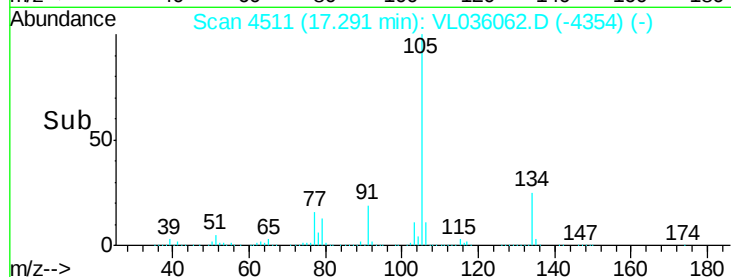
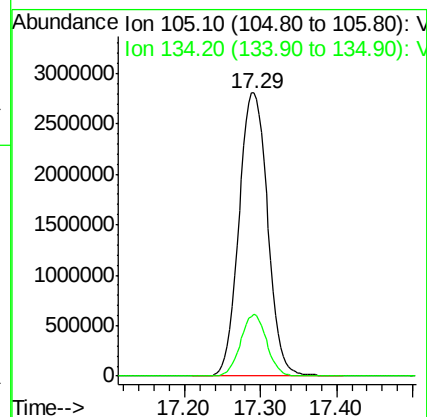
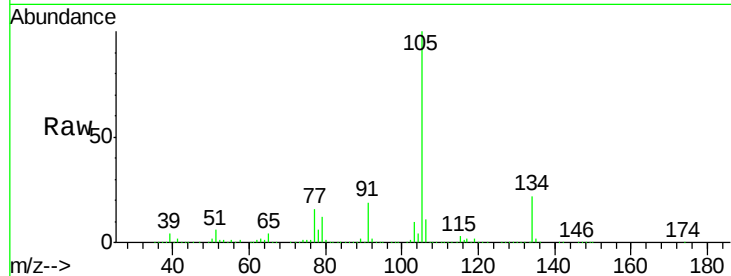
134 19.9 15.8 23.8

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.913 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

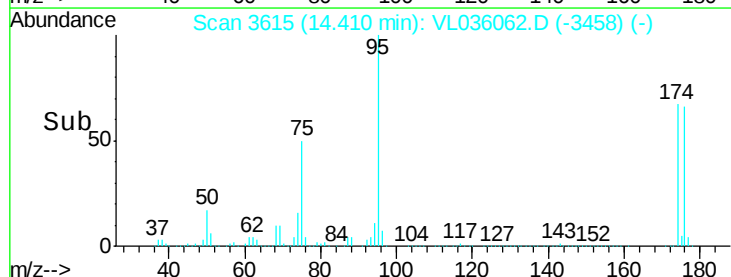
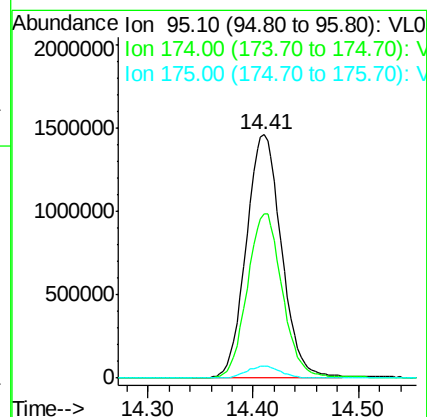
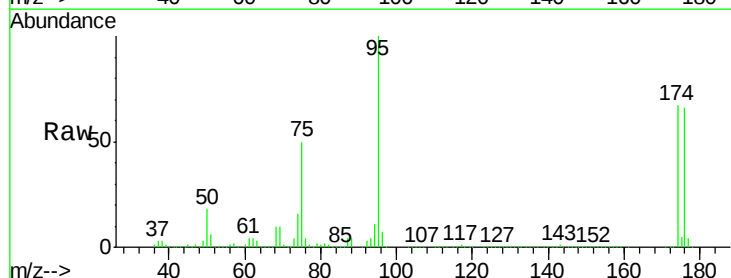
Tgt Ion: 95 Resp: 3411465

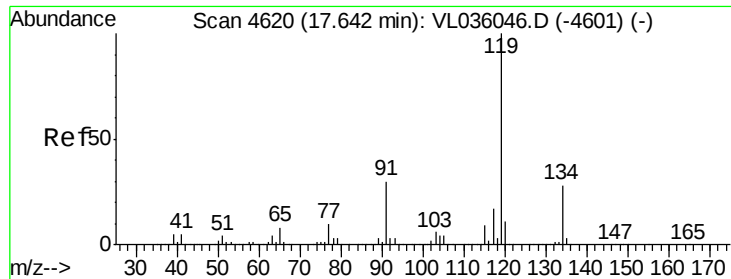
Ion Ratio Lower Upper

95 100

174 68.0 54.2 81.2

175 4.8 3.8 5.8





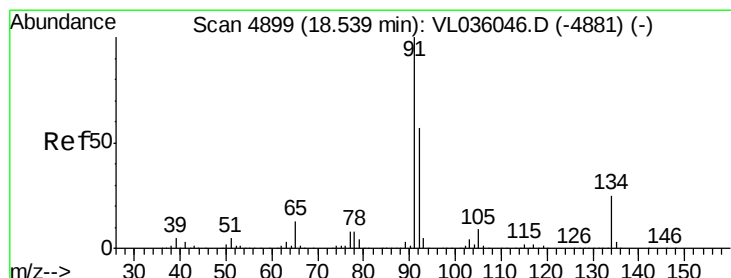
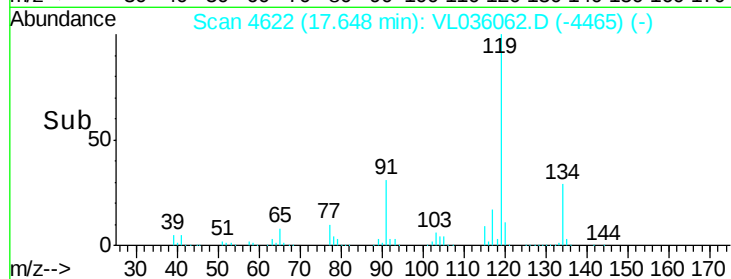
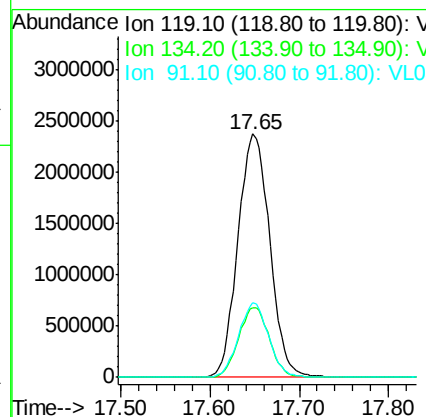
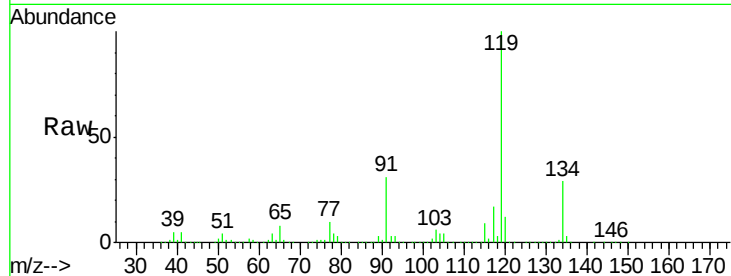
#69
 p-Isopropyltoluene
 Concen: 11.099 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	22.2	33.2
91	28.9	23.2	34.8

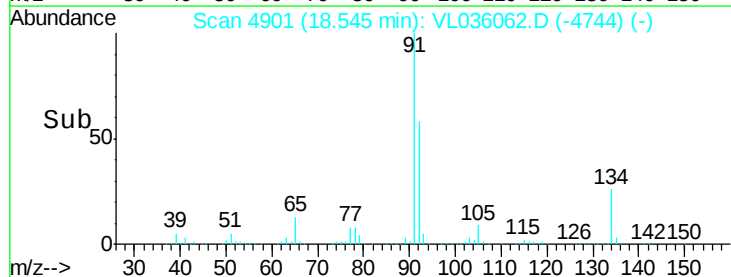
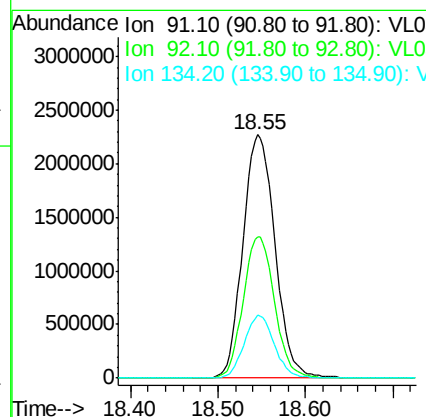
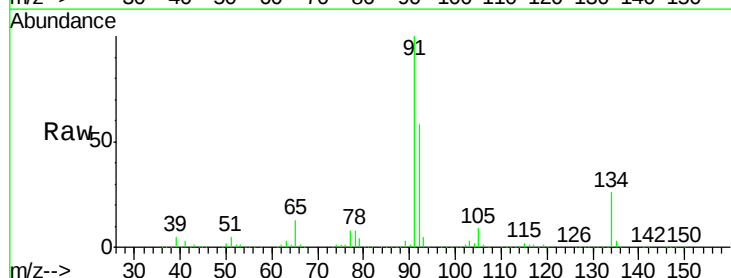
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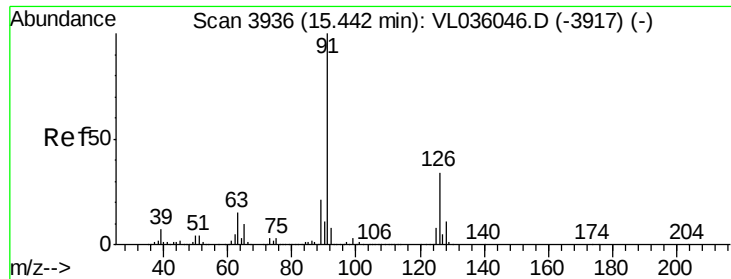
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#70
 n-Butylbenzene
 Concen: 10.927 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.2	67.8
134	24.4	19.2	28.8





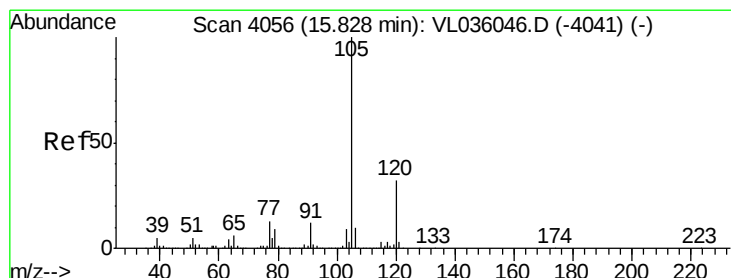
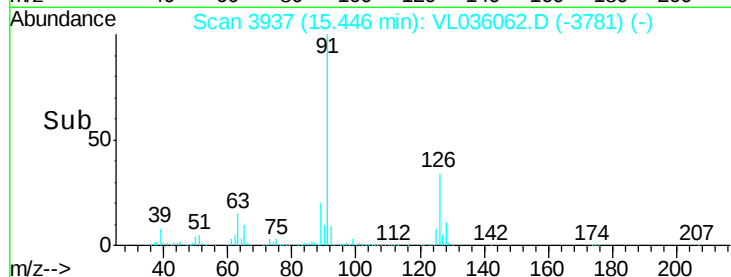
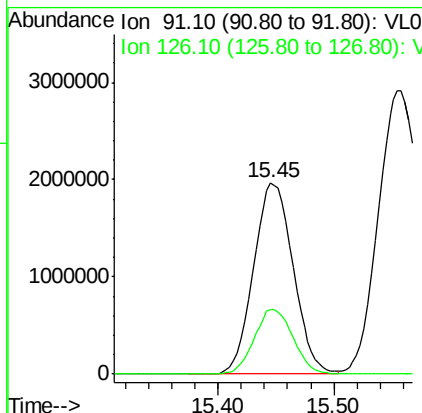
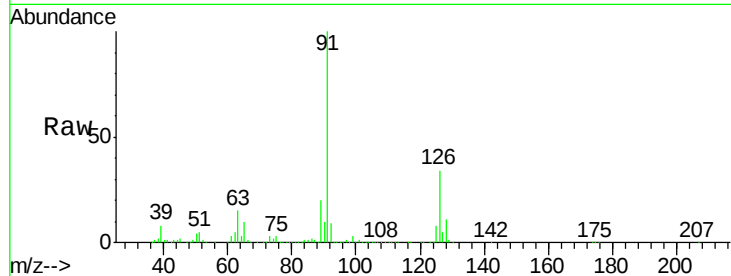
#71
 2-Chlorotoluene
 Concen: 10.997 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. 0.00 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4678125
 Ion Ratio Lower Upper
 91 100
 126 33.5 13.2 53.0

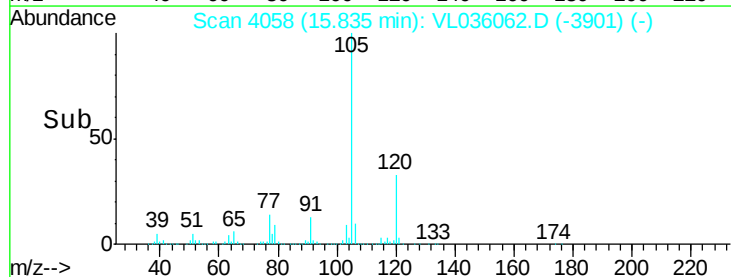
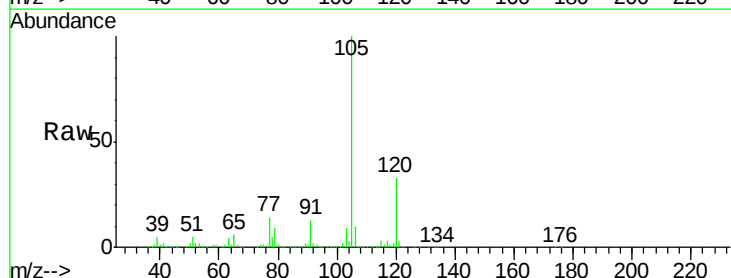
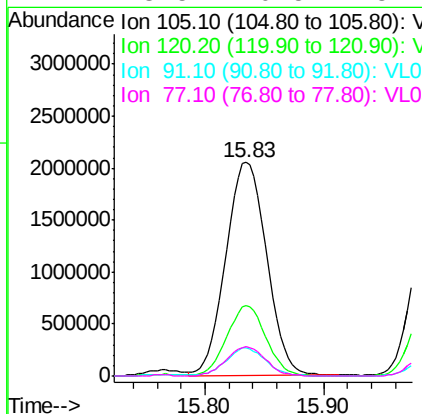
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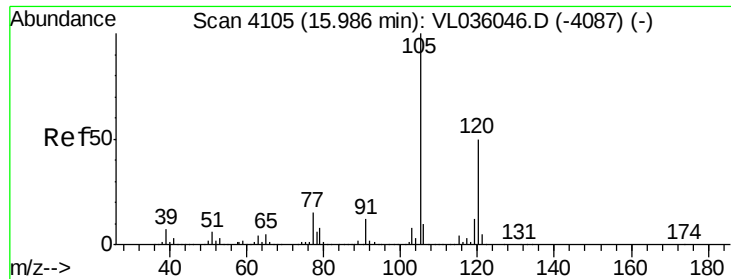
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#72
 4-Ethyltoluene
 Concen: 11.432 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion: 105 Resp: 4888520
 Ion Ratio Lower Upper
 105 100
 120 31.9 25.3 37.9
 91 12.5 10.1 15.1
 77 13.5 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 11.041 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4439176

Ion Ratio Lower Upper

105 100

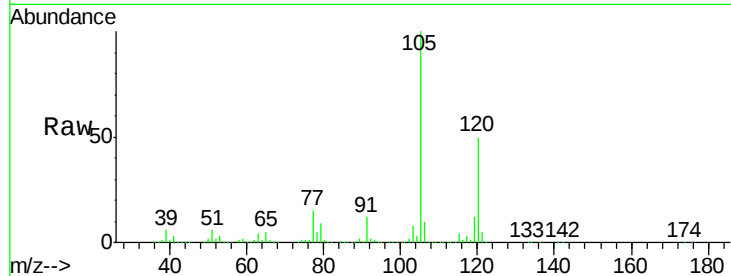
120 50.3 39.8 59.8

Manual Integrations

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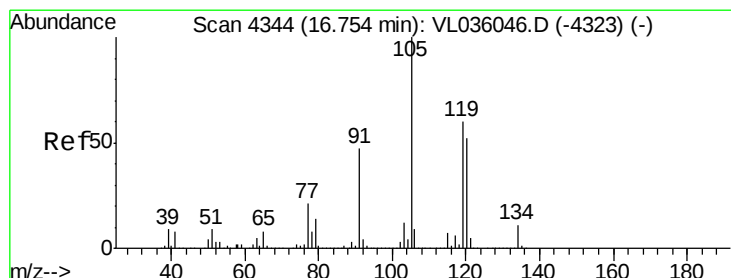
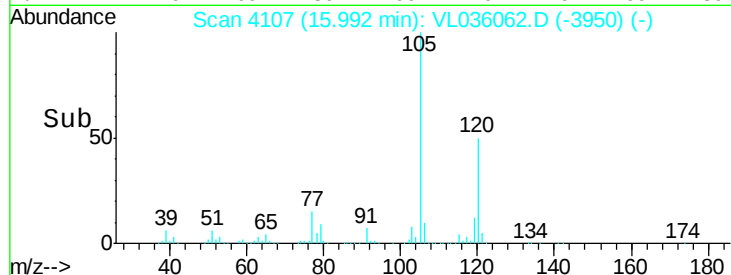
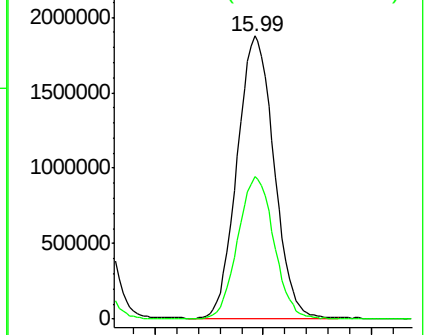
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.337 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Tgt Ion:105 Resp: 4627812

Ion Ratio Lower Upper

105 100

120 52.1 41.5 62.3

91 56.7 38.1 57.1

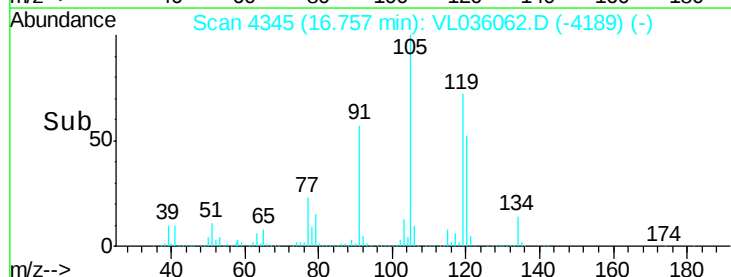
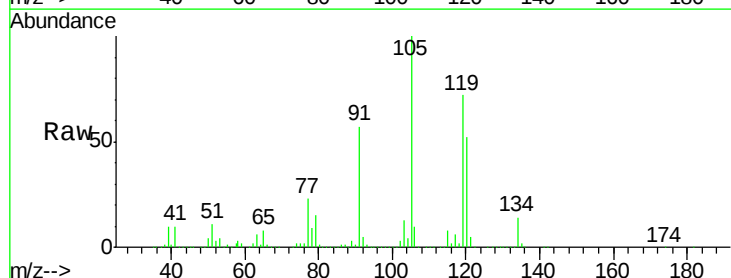
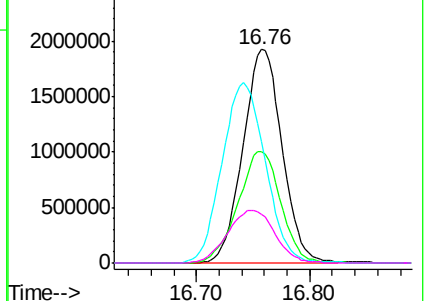
77 22.6 17.0 25.4

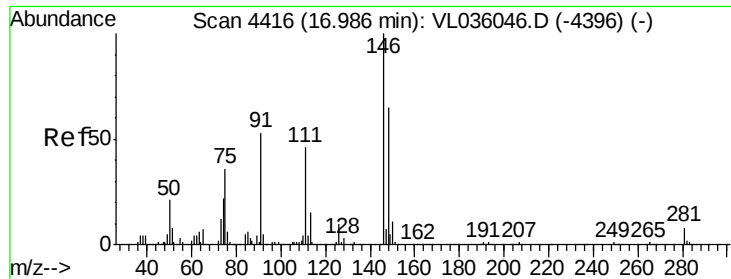
Abundance Ion 105.10 (104.80 to 105.80): V

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





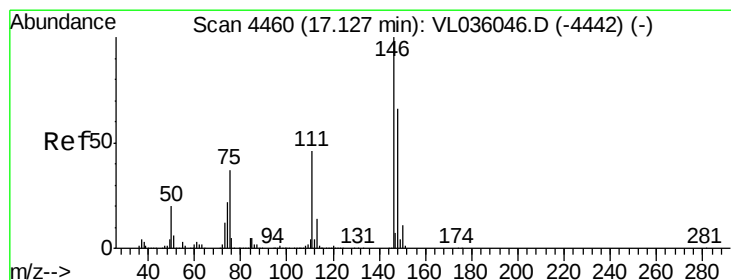
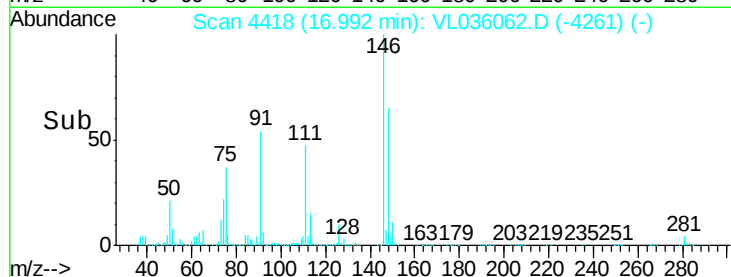
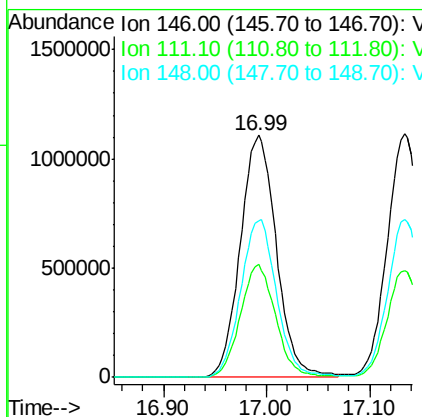
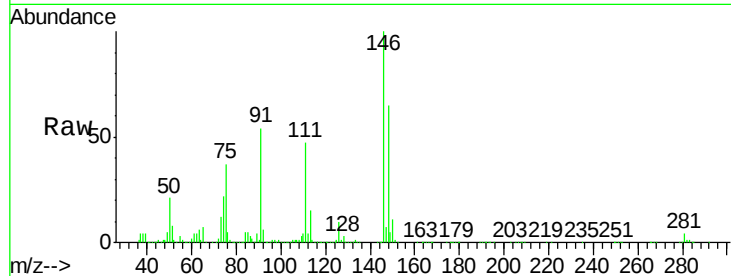
#75
 1,3-Dichlorobenzene
 Concen: 10.062 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.9	68.7
148	65.1	32.4	97.0

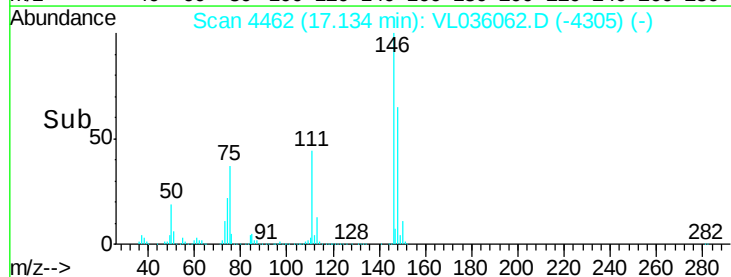
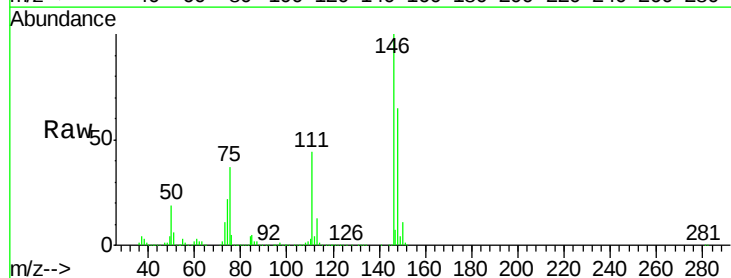
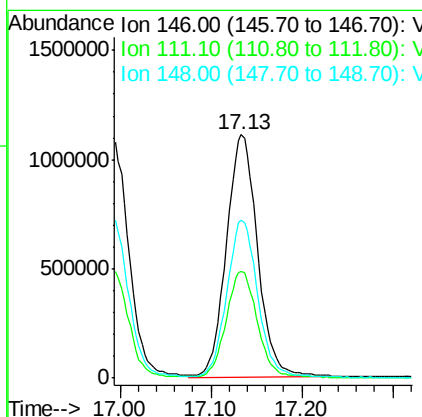
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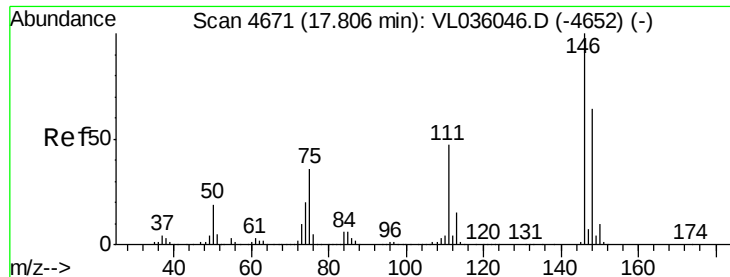
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#76
 1,4-Dichlorobenzene
 Concen: 10.395 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.2
148	65.1	33.0	98.9





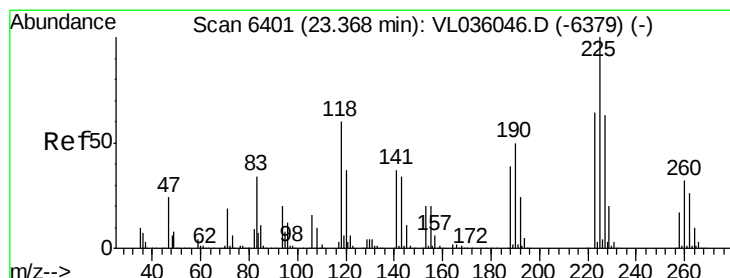
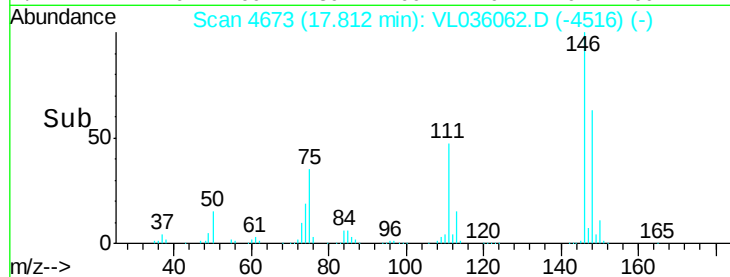
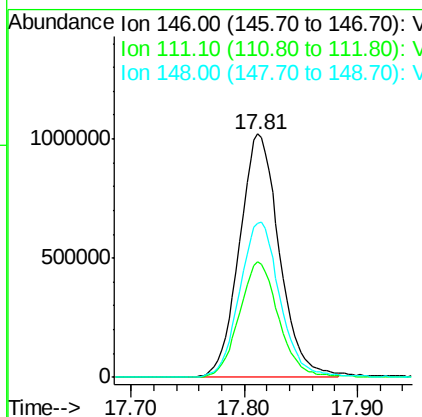
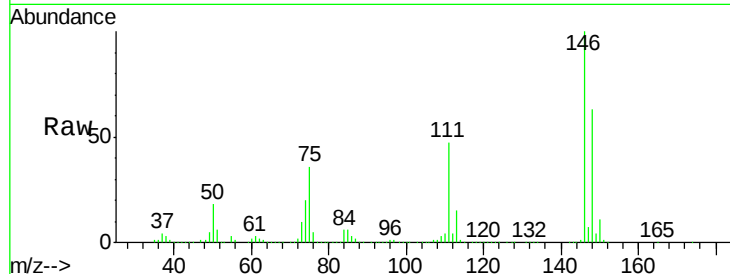
#77
 1,2-Dichlorobenzene
 Concen: 10.075 ppbv
 RT: 17.81 min Scan# 4673
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.6
148	65.0	32.5	97.5

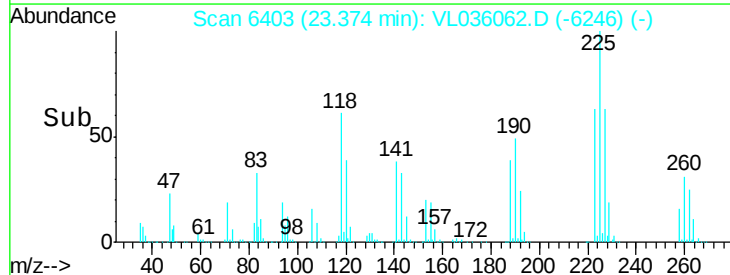
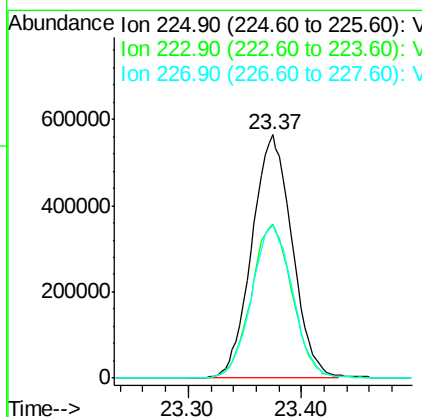
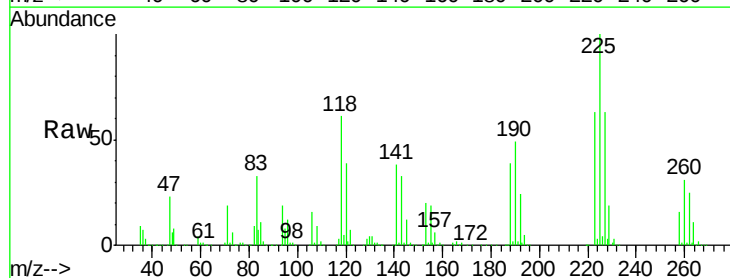
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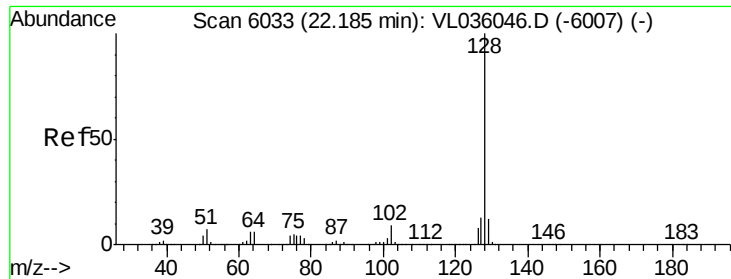
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.206 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.0	76.4
227	64.3	51.2	76.8





#79

Naphthalene

Concen: 13.718 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2931704

Ion Ratio Lower Upper

128 100

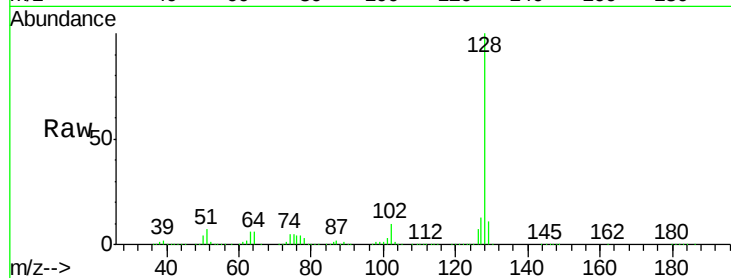
127 13.0 10.3 15.5

129 11.2 9.3 13.9

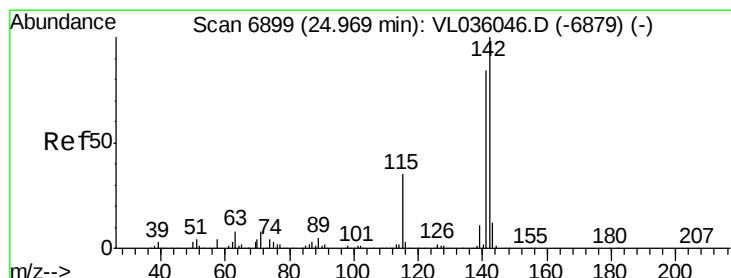
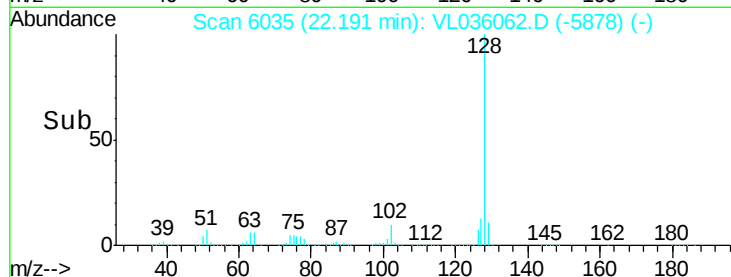
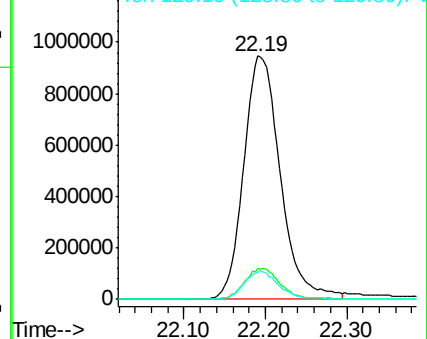
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 21.758 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL036062.D

Acq: 3 Dec 2020 22:27

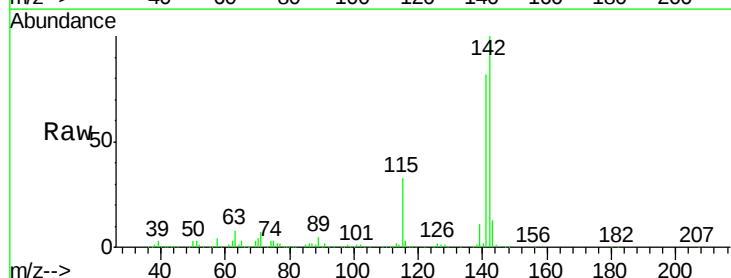
Tgt Ion:142 Resp: 973658

Ion Ratio Lower Upper

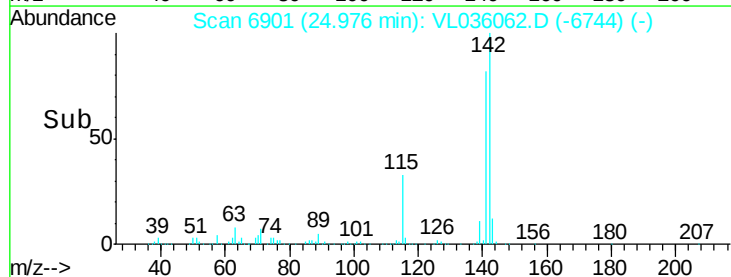
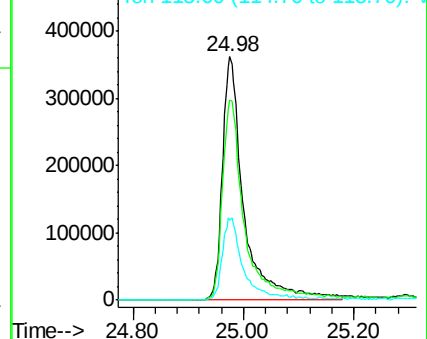
142 100

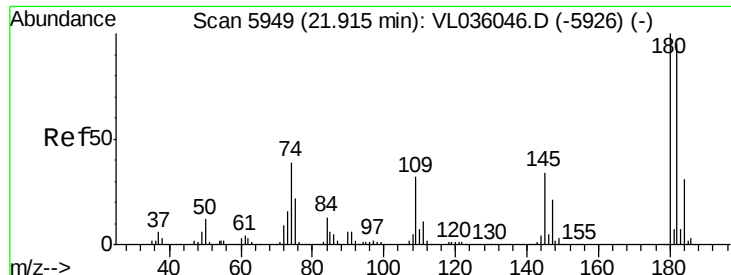
141 84.8 68.6 103.0

115 33.6 27.9 41.9



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





#81
 1,2,4-Trichlorobenzene
 Concen: 11.813 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL036062.D
 Acq: 3 Dec 2020 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	78.5	117.7
184	31.1	25.0	37.6

Manual Integrations
 APPROVED

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