

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035704.D
 Acq On : 23 Sep 2020 3:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:10 PM

Quant Time: Sep 23 05:37:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1221464	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4696284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4770376m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3570550	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1798997	8.511	ppbv 100
3) Chlorodifluoromethane	2.99	51	1209411	9.061	ppbv 100
4) Chloromethane	3.14	50	661178	9.248	ppbv 100
5) Vinyl Chloride	3.26	62	787615	8.879	ppbv 100
6) Bromomethane	3.47	94	674350	9.143	ppbv 100
7) Chloroethane	3.56	64	292429	9.366	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2230067	8.806	ppbv 100
9) Propene	3.01	41	465958	9.066	ppbv 100
10) Heptane	8.14	43	1415183	10.085	ppbv 100
11) Trichlorofluoromethane	3.95	101	2681268	8.803	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2036116	8.875	ppbv 100
13) Ethanol	3.61	45	110138	8.637	ppbv 100
14) Bromoethene	3.74	108	889113	9.064	ppbv 100
15) Acetone	3.85	43	1101471	8.308	ppbv 100
16) 1,3-Butadiene	3.33	39	488896	9.793	ppbv 100
17) tert-Butyl alcohol	4.30	59	1444082	9.045	ppbv 100
18) 1,1-Dichloroethene	4.29	96	936504	9.278	ppbv 100
19) Isopropyl Alcohol	3.98	45	709878	9.096	ppbv 100
20) Methylene Chloride	4.35	84	783192	7.844	ppbv 100
21) Allyl Chloride	4.42	41	653790	10.418	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	988678	9.186	ppbv 100
23) Vinyl Acetate	5.08	43	1683546	9.852	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1662914	9.396	ppbv 100
25) Ethyl Acetate	5.69	43	2285929	9.578	ppbv 100
26) Hexane	5.70	57	1277049	9.469	ppbv 100
27) Carbon Disulfide	4.56	76	2081285	10.815	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2108264	9.192	ppbv 100
29) Chloroform	5.77	83	2530220	9.284	ppbv 100
30) Cyclohexane	7.15	84	1388117	9.764	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1318452	9.639	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2435247	9.240	ppbv 100
34) 2-Butanone	5.25	43	1559356	10.912	ppbv 100
35) Carbon Tetrachloride	7.03	117	2540915	10.706	ppbv 100
36) Benzene	6.91	78	3152755	10.262	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1548567	10.471	ppbv 100
38) Trichloroethene	7.85	130	1601867	9.080	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1094127	10.472	ppbv 100
40) 1,4-Dioxane	7.84	88	531061	10.424	ppbv 100
41) Tetrahydrofuran	6.06	42	870707	11.507	ppbv 100
42) Bromodichloromethane	7.81	83	2655430	11.133	ppbv 100
43) Methyl Methacrylate	8.03	69	1358031	11.340	ppbv 100

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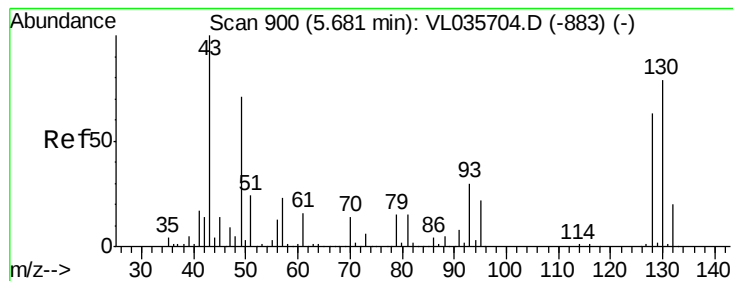
Manual Integrations
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Quant Time: Sep 23 05:37:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4325675	10.560	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1514152	12.522	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1801562	11.991	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1556624	10.176	ppbv	100
48) Dibromochloromethane	10.33	129	2640923	11.061	ppbv	100
49) Bromoform	13.07	173	2349486	11.049	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2348199	11.310	ppbv	100
51) 2-Hexanone	10.15	43	2003172	11.795	ppbv	100
52) Tetrachloroethene	11.25	164	1489213	8.513	ppbv	100
53) Toluene	9.83	91	3989552	10.361	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2453614	10.191	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2027930	10.349	ppbv	98
57) Chlorobenzene	12.18	112	3395159	9.541	ppbv	100
58) Ethyl Benzene	12.74	91	5197470	10.375	ppbv	100
59) m/p-Xylene	13.02	91	8573325m	20.348	ppbv	
60) o-Xylene	13.72	91	4413352	10.416	ppbv	100
61) Styrene	13.55	104	3443455	10.761	ppbv	100
62) Isopropylbenzene	14.70	105	6557498	9.718	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3248851	9.907	ppbv	100
64) n-propylbenzene	15.59	120	2038869	9.979	ppbv	100
65) tert-Butylbenzene	16.78	119	6102515	9.771	ppbv	100
66) Benzyl Chloride	17.02	91	2368310	14.771	ppbv	100
67) sec-Butylbenzene	17.33	105	8142435	9.728	ppbv	100
69) p-Isopropyltoluene	17.69	119	6932326	9.528	ppbv	100
70) n-Butylbenzene	18.59	91	7018194	9.919	ppbv	100
71) 2-Chlorotoluene	15.49	91	5083590	10.301	ppbv	100
72) 4-Ethyltoluene	15.87	105	5433355	10.192	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5031873	10.195	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	5300523	9.769	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	3509797	8.909	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3561166	9.164	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3437867	9.013	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1924960	8.066	ppbv	100
79) Naphthalene	22.25	128	5517860	9.472	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1796809	9.476	ppbv	100
81) 1,2,4-Trichlorobenzene	21.97	180	2777951	8.132	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1221464

Ion Ratio Lower Upper

49 100

128 86.3 43.1 129.4

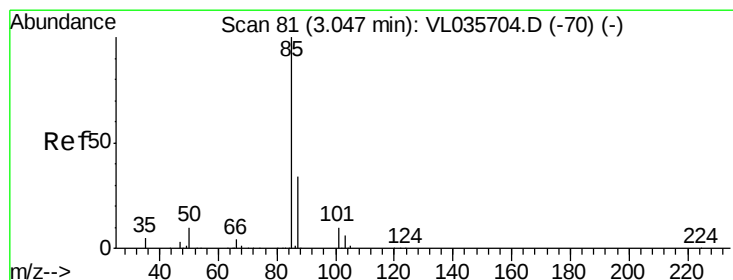
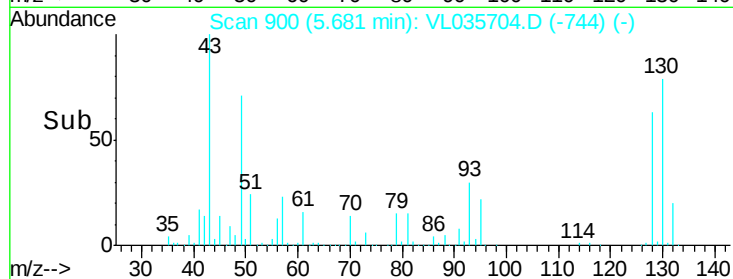
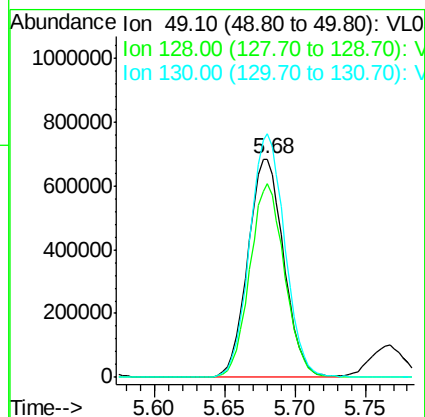
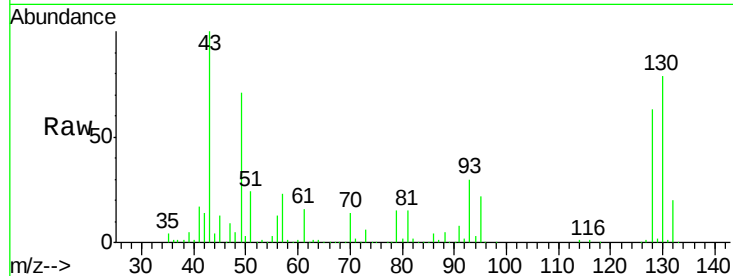
130 109.8 54.9 164.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.511 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035704.D

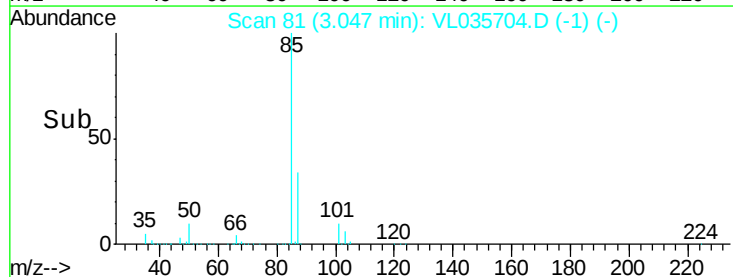
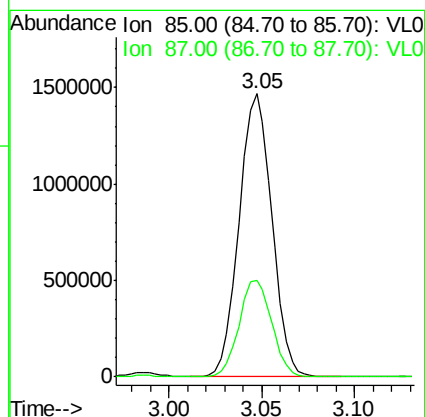
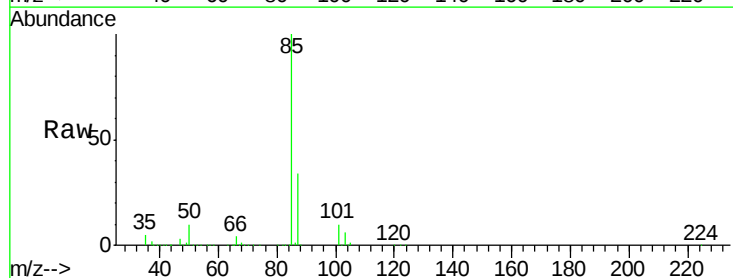
Acq: 23 Sep 2020 3:21

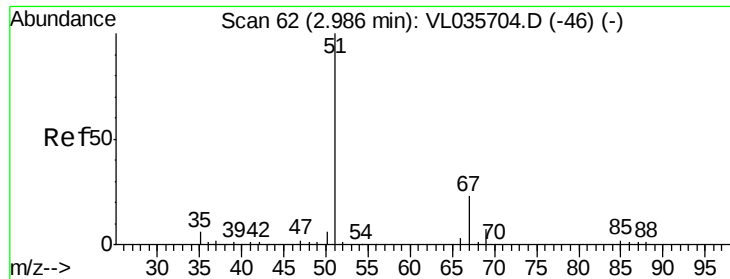
Tgt Ion: 85 Resp: 1798997

Ion Ratio Lower Upper

85 100

87 34.1 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.061 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tot Ion: 51 Resp: 1209411

Ion Ratio Lower Upper

51 100

67 22.3 17.8 26.8

Instrument :

MSVOA_L

ClientSampled :

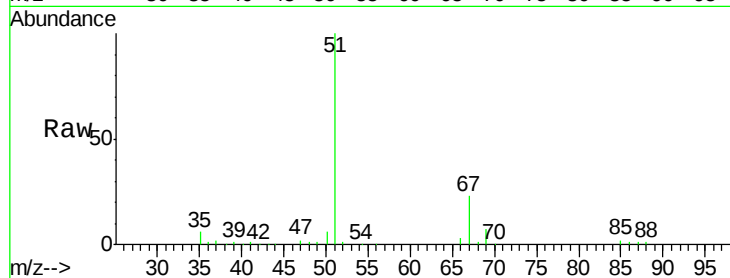
VSTDICCC010

Manual Integrations

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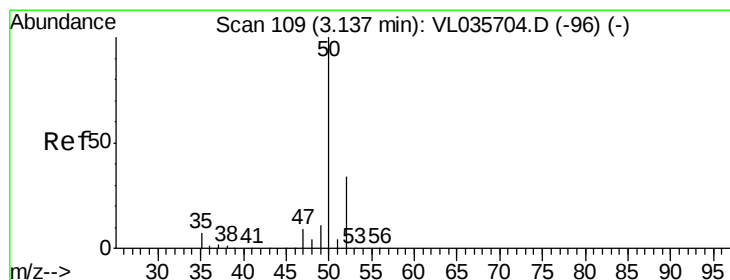
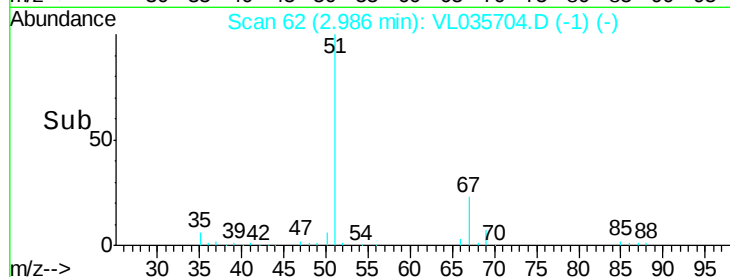
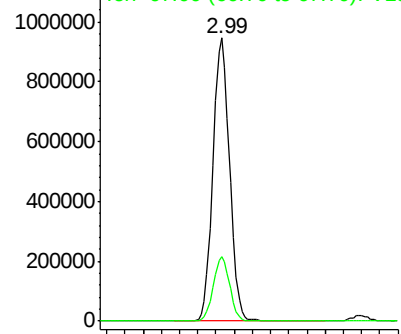
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.248 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035704.D

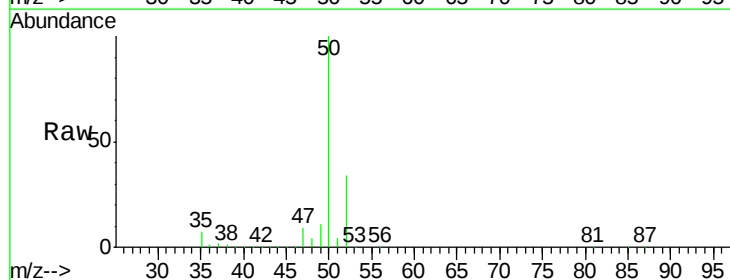
Acq: 23 Sep 2020 3:21

Tgt Ion: 50 Resp: 661178

Ion Ratio Lower Upper

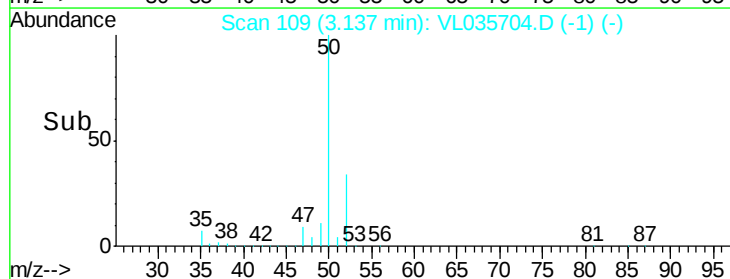
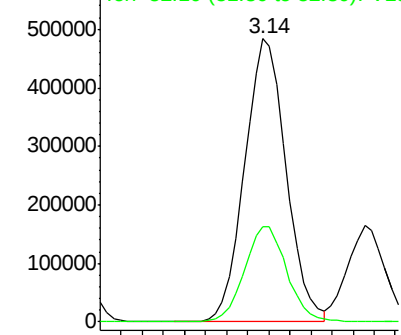
50 100

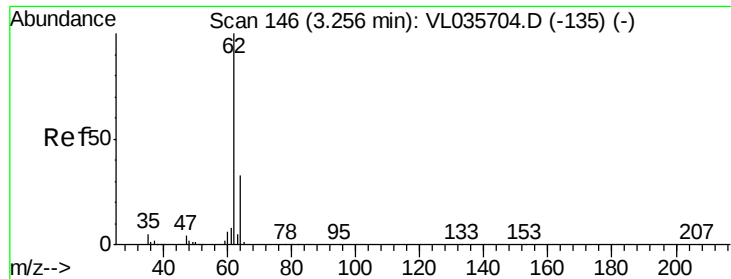
52 33.5 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.879 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 787615

Ion Ratio Lower Upper

62 100

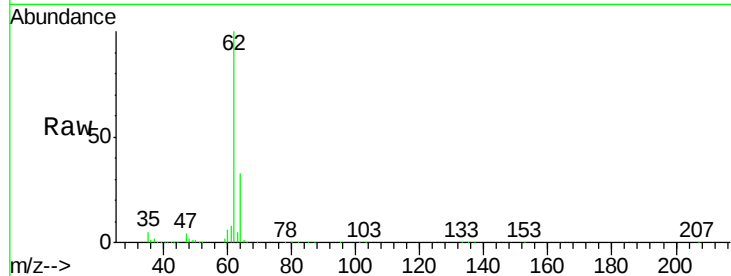
64 33.5 26.8 40.2

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

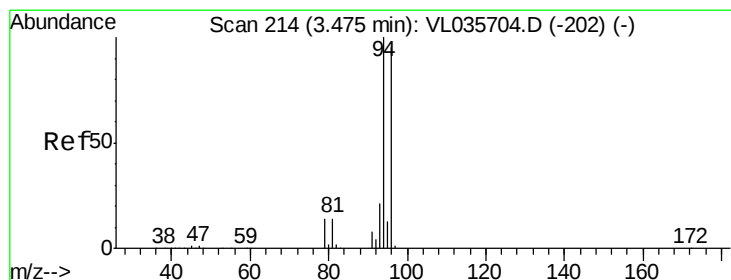
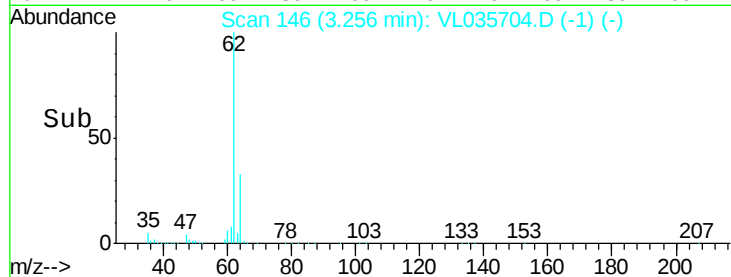
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.143 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035704.D

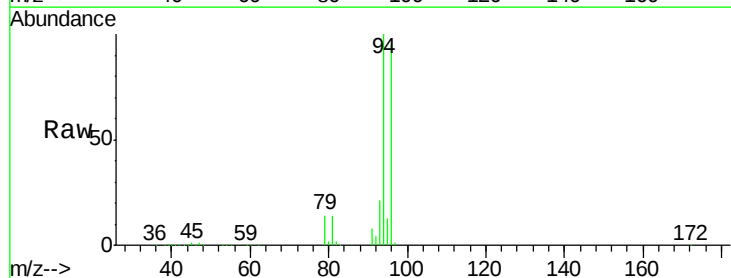
Acq: 23 Sep 2020 3:21

Tgt Ion: 94 Resp: 674350

Ion Ratio Lower Upper

94 100

96 95.4 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

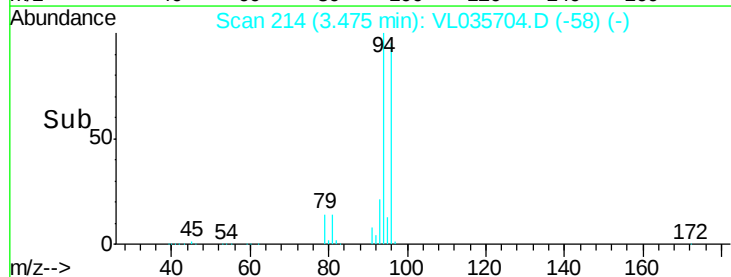
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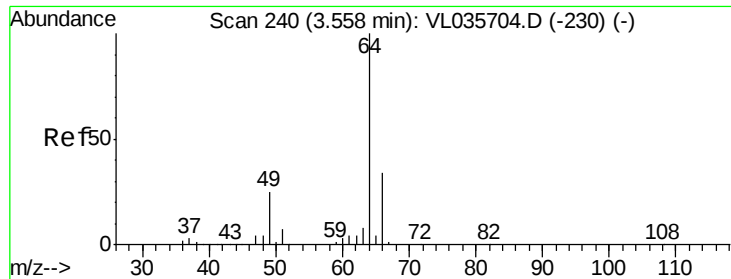
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.366 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 292429

Ion Ratio Lower Upper

64 100

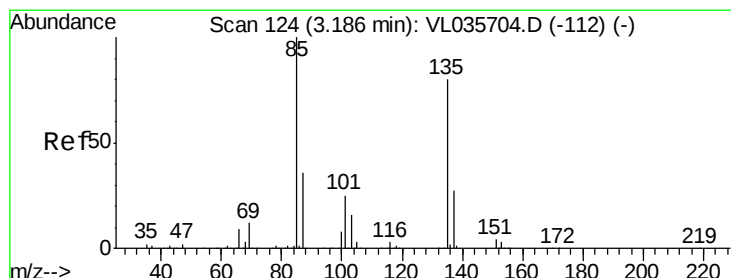
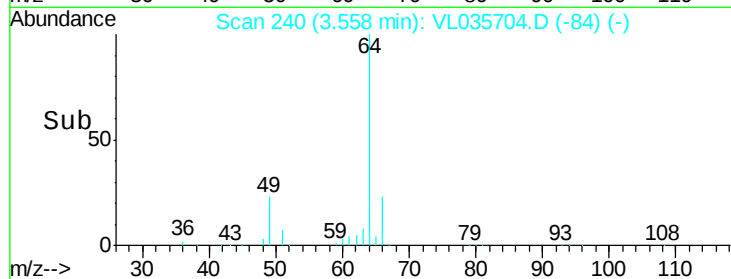
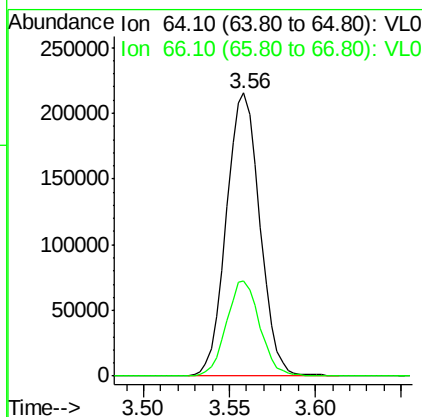
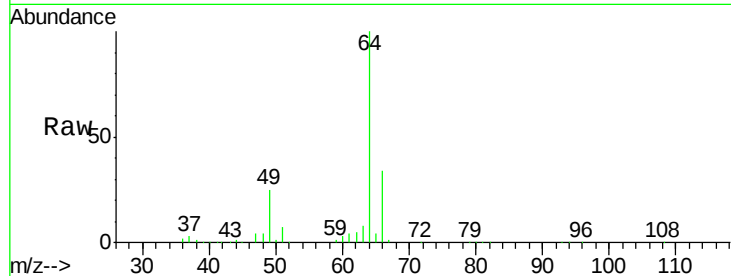
66 33.6 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.806 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035704.D

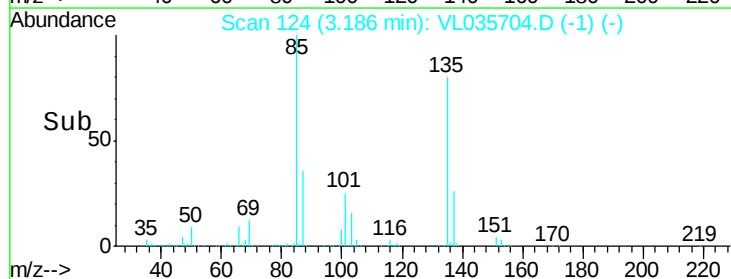
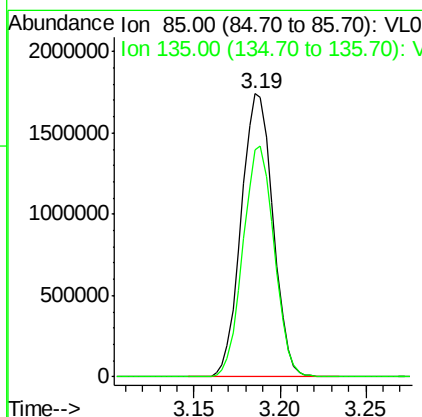
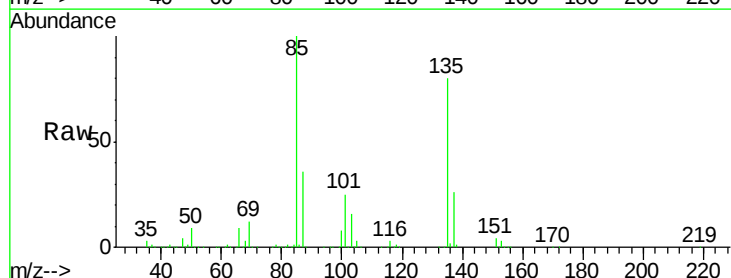
Acq: 23 Sep 2020 3:21

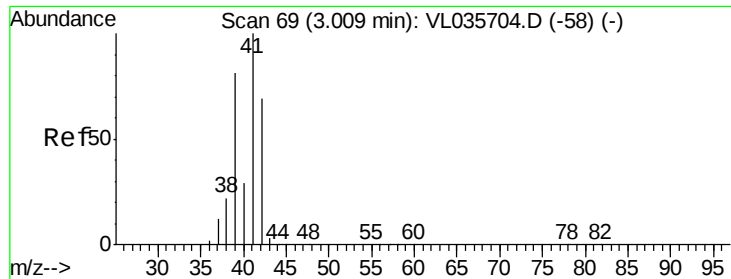
Tgt Ion: 85 Resp: 2230067

Ion Ratio Lower Upper

85 100

135 80.4 64.3 96.5





#9

Propene

Concen: 9.066 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

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ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 465958

Ion Ratio Lower Upper

41 100

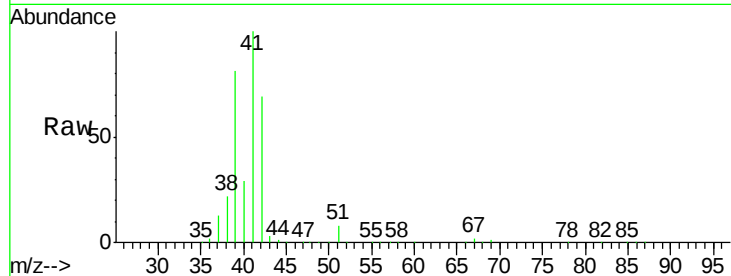
42 70.3 56.2 84.4

Manual Integrations

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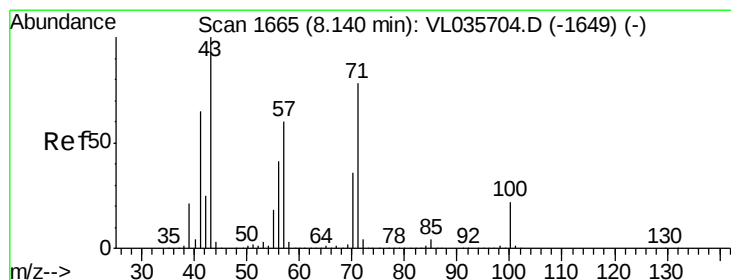
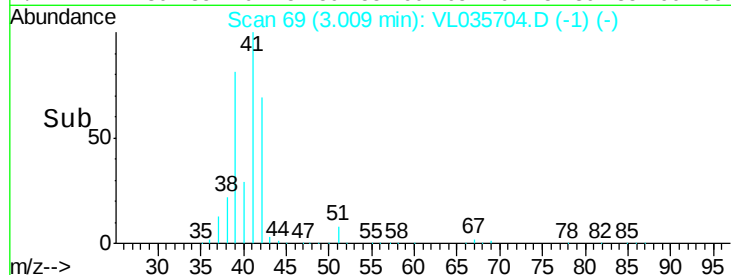
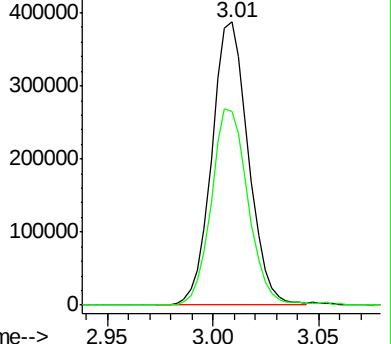
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.085 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035704.D

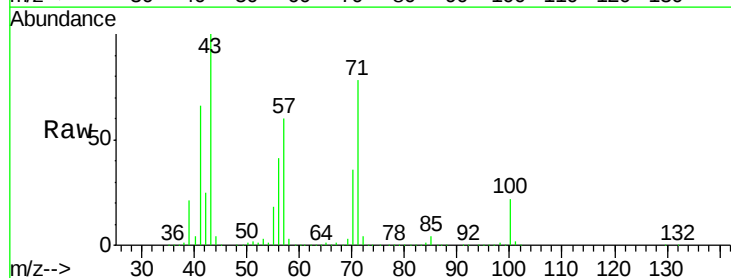
Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 1415183

Ion Ratio Lower Upper

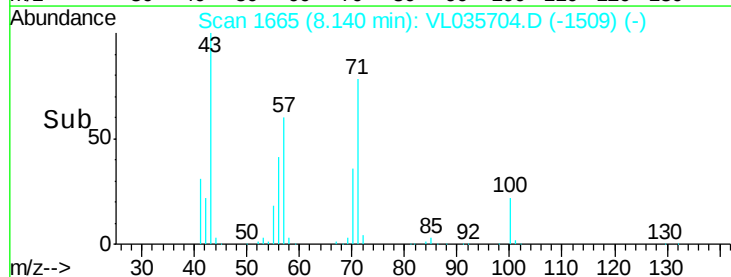
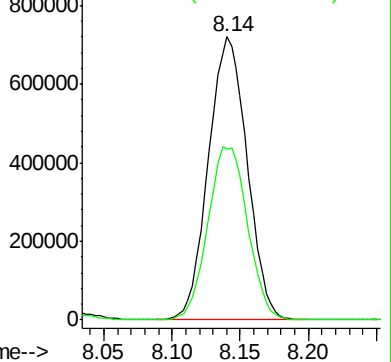
43 100

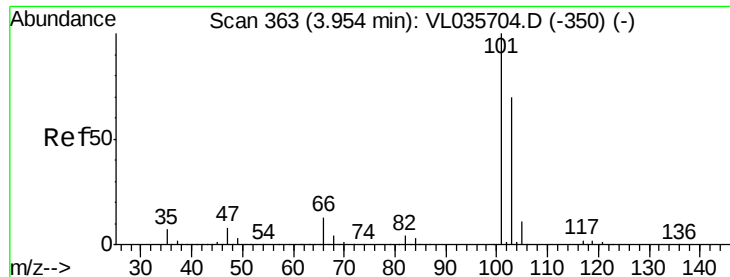
57 63.0 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





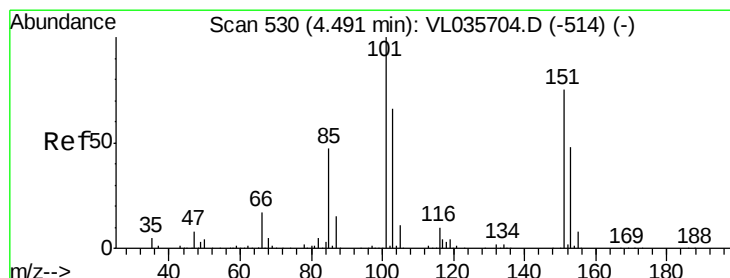
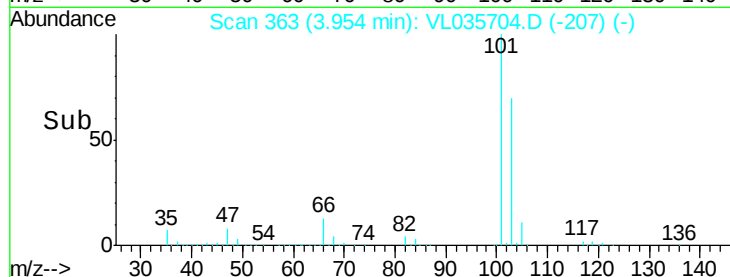
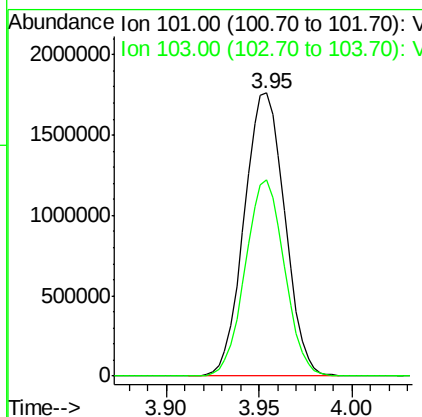
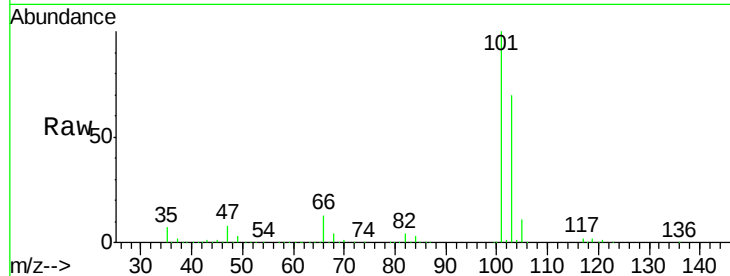
#11
 Trichlorofluoromethane
 Concen: 8.803 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2681268
 Ion Ratio Lower Upper
 101 100
 103 69.5 55.6 83.4

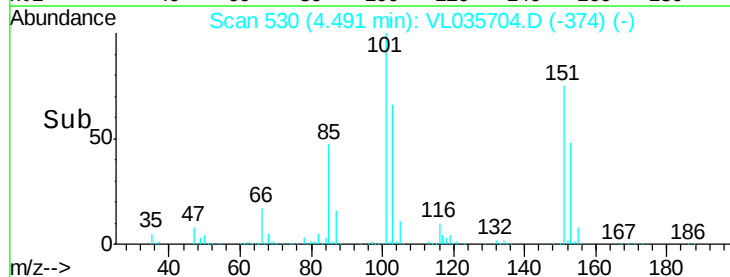
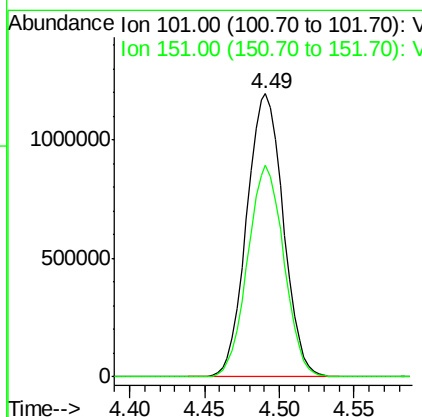
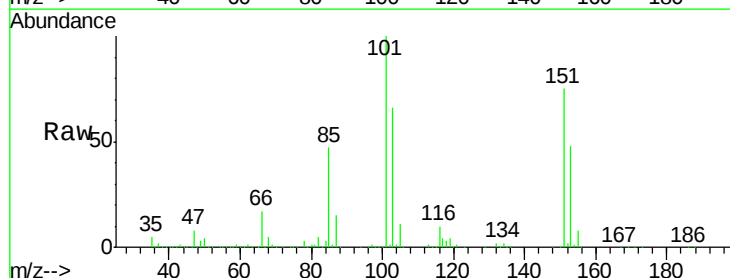
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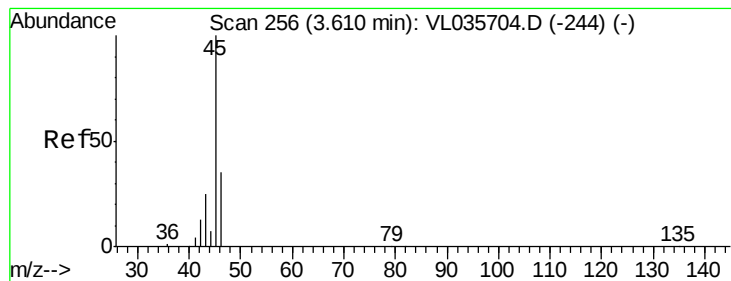
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.875 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:101 Resp: 2036116
 Ion Ratio Lower Upper
 101 100
 151 73.9 59.1 88.7





#13

Ethanol

Concen: 8.637 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 110138

Ion Ratio Lower Upper

45 100

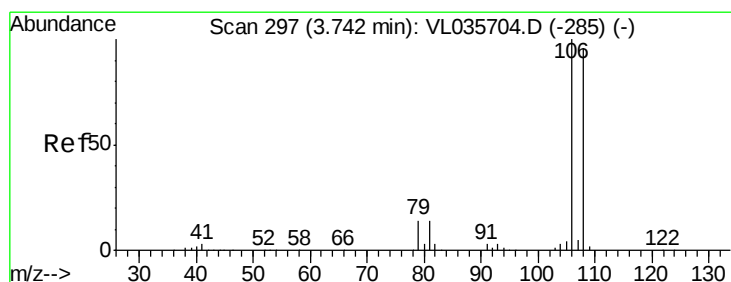
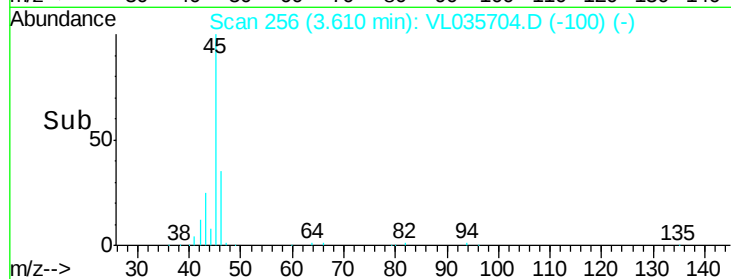
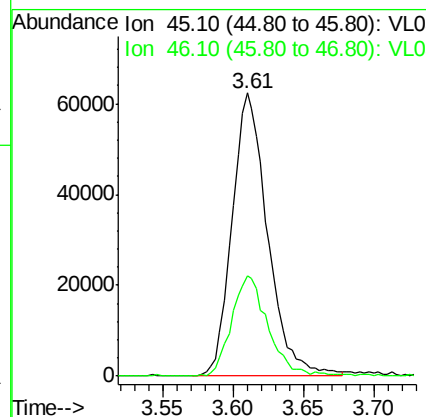
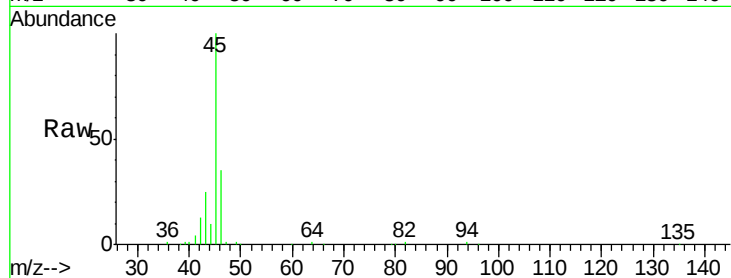
46 36.7 14.7 58.7

Manual Integrations

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#14

Bromoethene

Concen: 9.064 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

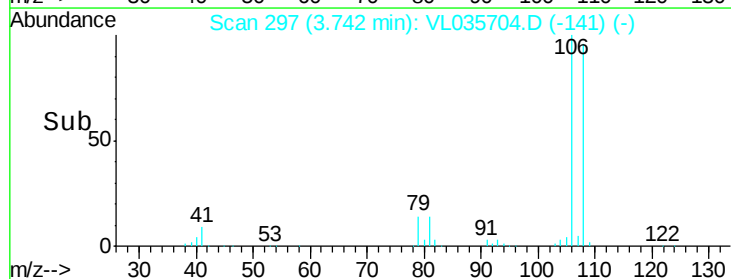
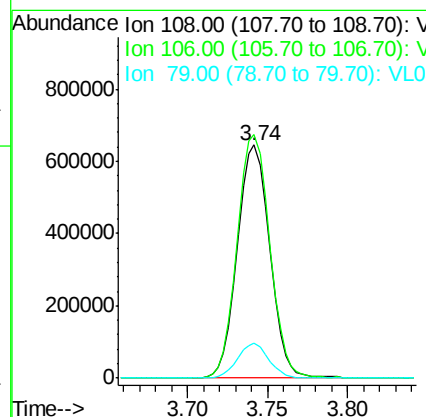
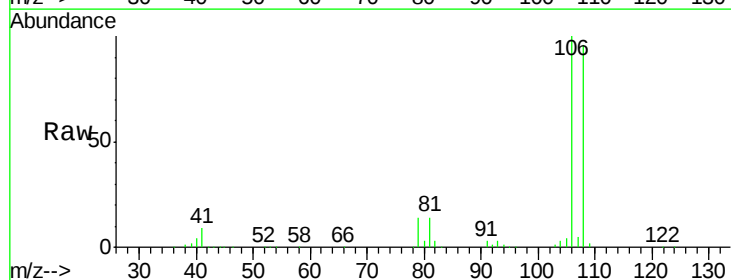
Tgt Ion: 108 Resp: 889113

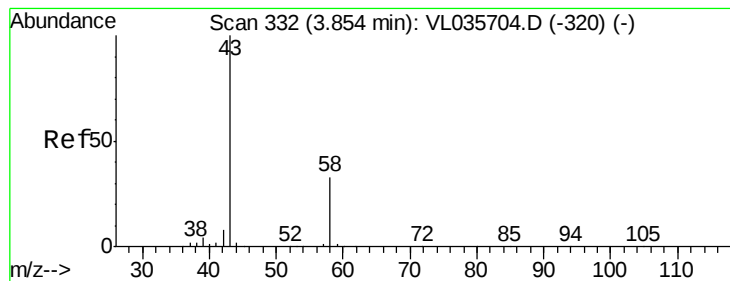
Ion Ratio Lower Upper

108 100

106 105.8 84.6 126.8

79 14.5 11.6 17.4





#15

Acetone

Concen: 8.308 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1101471

Ion Ratio Lower Upper

43 100

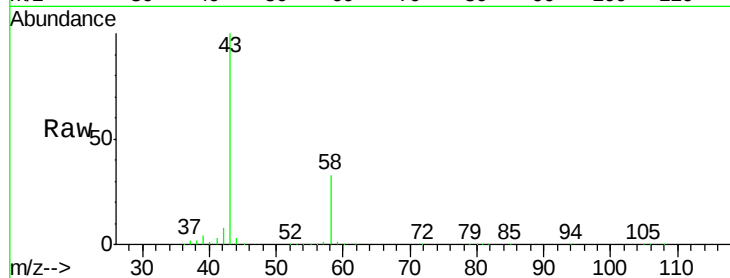
58 34.0 27.3 40.9

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

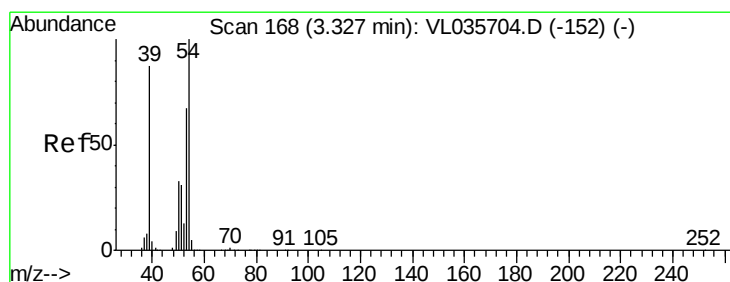
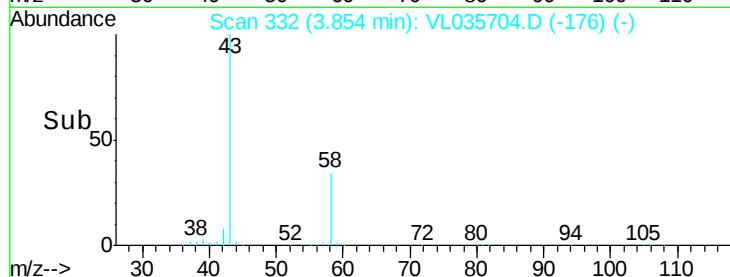
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.793 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035704.D

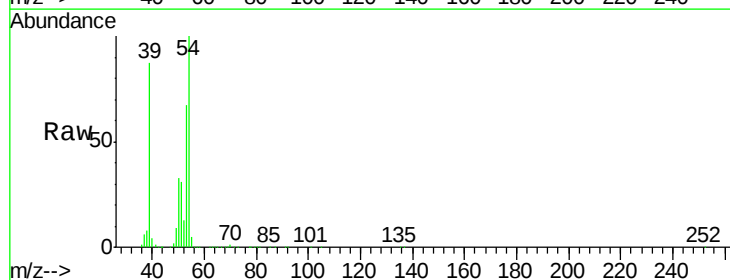
Acq: 23 Sep 2020 3:21

Tgt Ion: 39 Resp: 488896

Ion Ratio Lower Upper

39 100

54 109.2 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

500000

400000

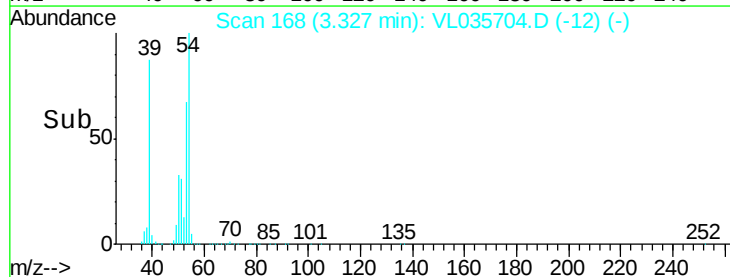
300000

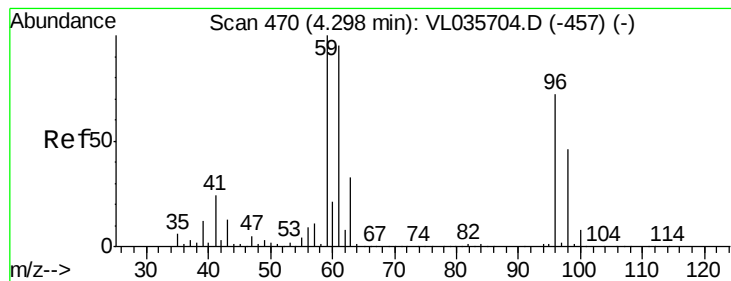
200000

100000

0

Time-->





#17

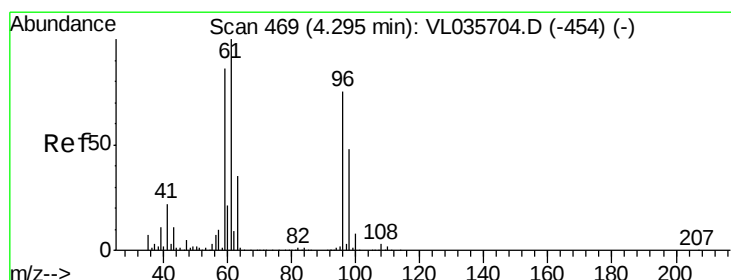
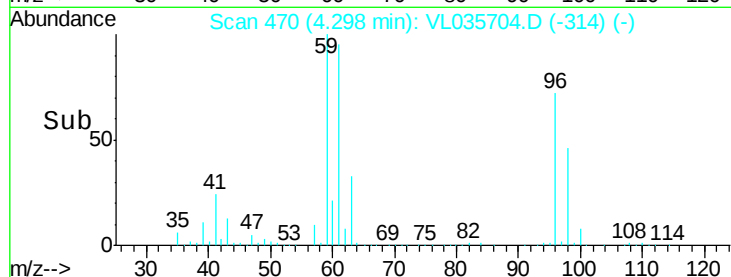
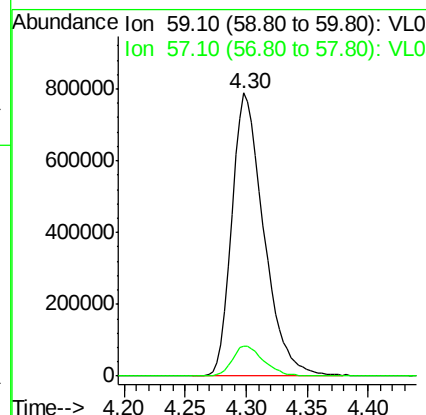
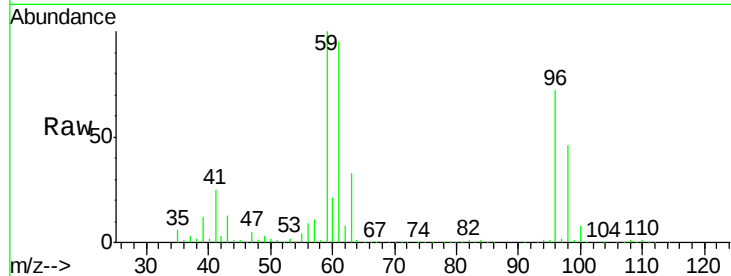
tert-Butyl alcohol
Concen: 9.045 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1444082
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

Manual Integrations
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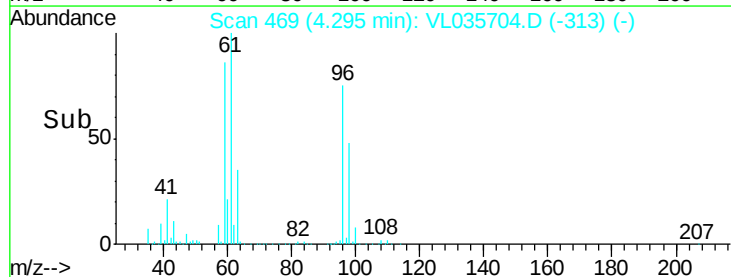
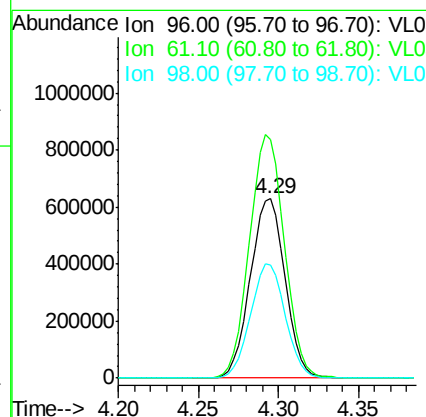
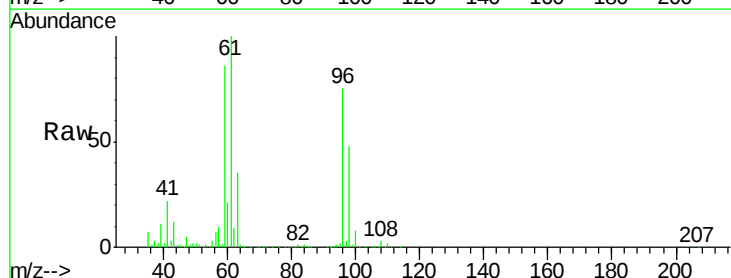
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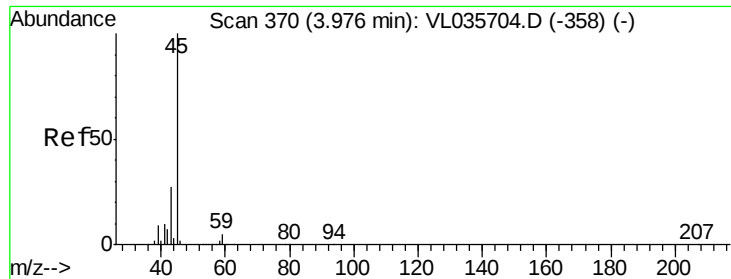


#18

1,1-Dichloroethene
Concen: 9.278 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 96 Resp: 936504
Ion Ratio Lower Upper
96 100
61 133.4 106.7 160.1
98 63.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.096 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 709878

Ion Ratio Lower Upper

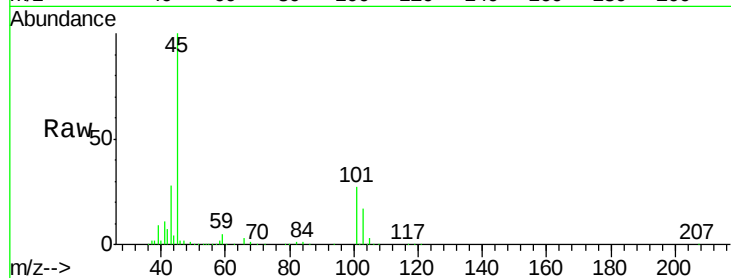
45 100

58 3.5 2.8 4.2

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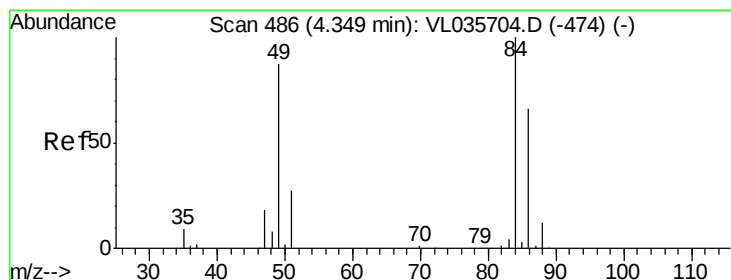
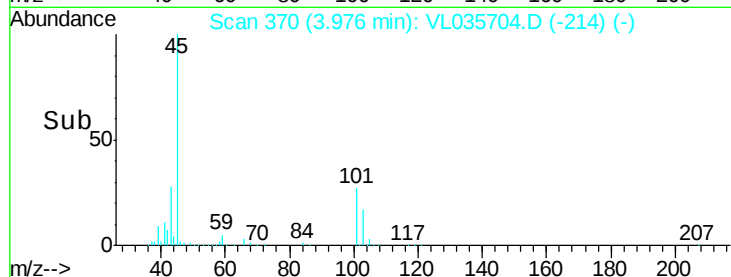
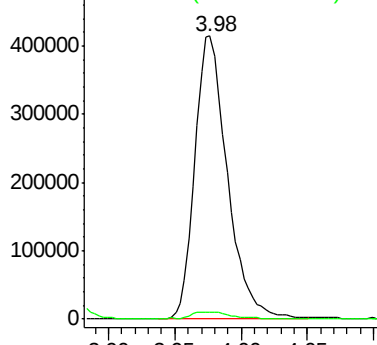
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.844 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 84 Resp: 783192

Ion Ratio Lower Upper

84 100

49 87.2 69.8 104.6

51 27.3 21.8 32.8

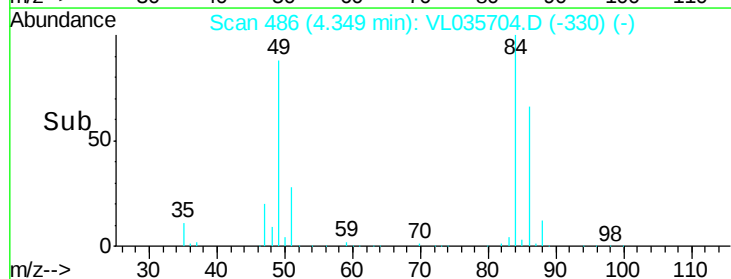
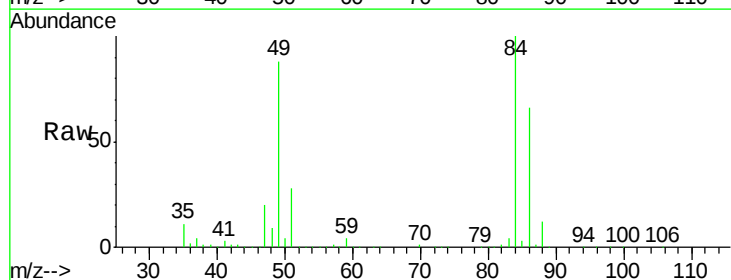
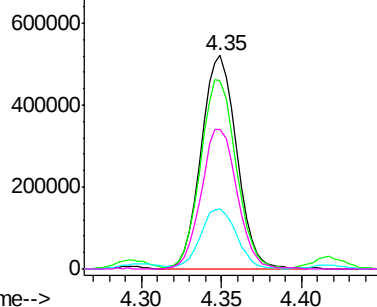
86 65.7 52.6 78.8

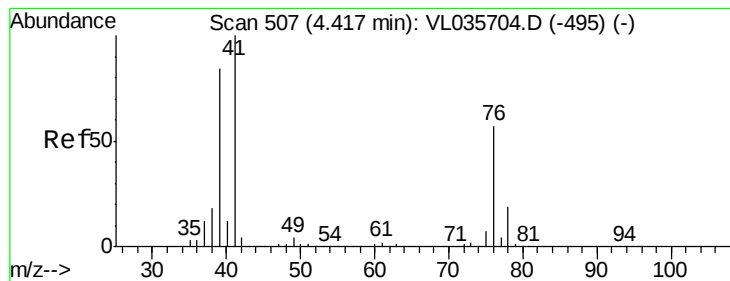
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 10.418 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

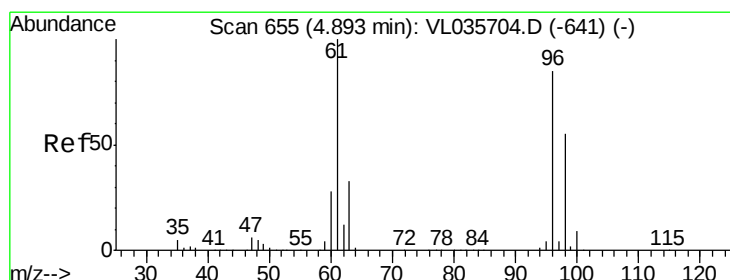
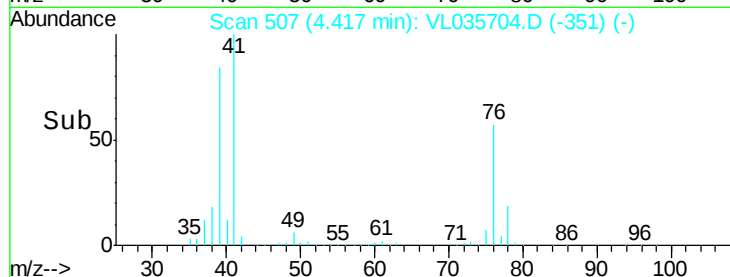
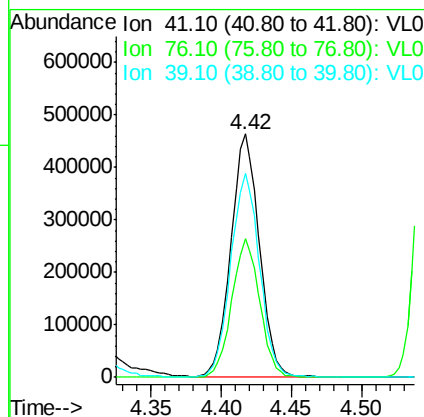
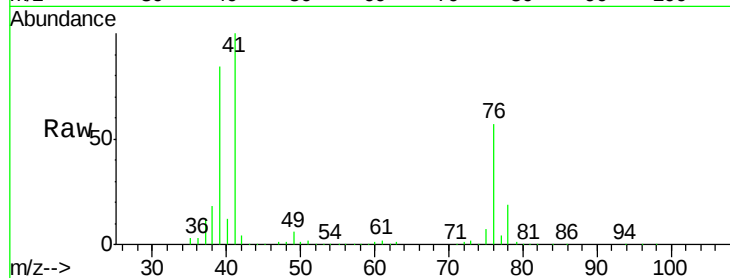
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	653790
Ion	Ratio	Lower	Upper
41	100		
76	56.0	44.8	67.2
39	85.3	68.4	102.6

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#22

trans-1,2-Dichloroethene

Concen: 9.186 ppbv

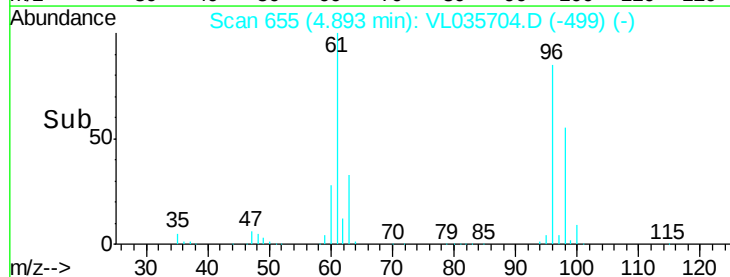
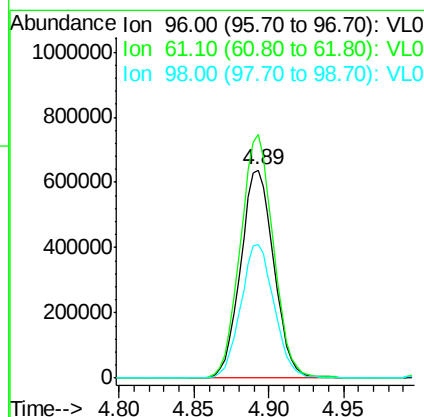
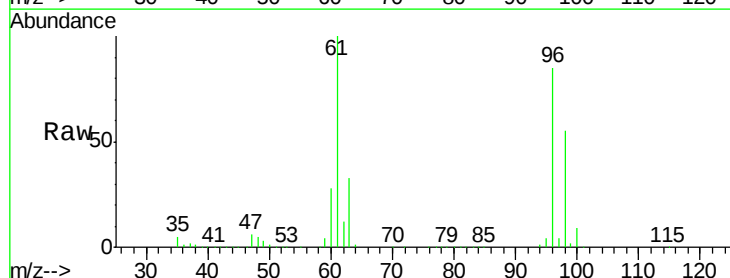
RT: 4.89 min Scan# 655

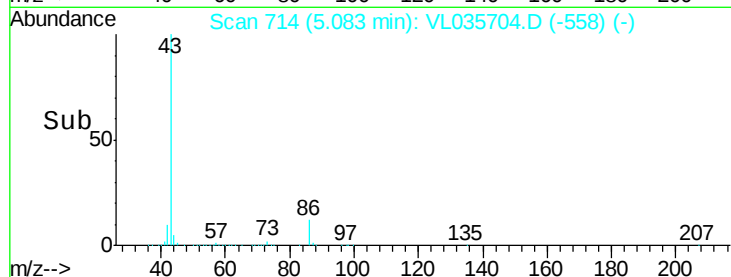
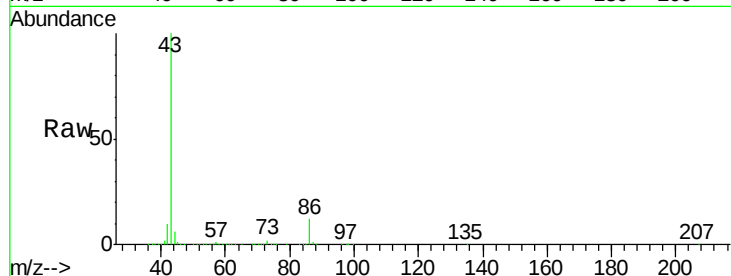
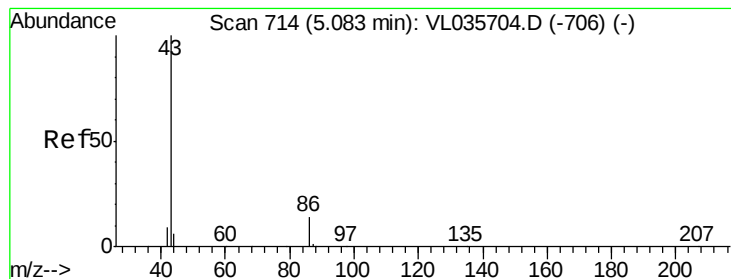
Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion:	96	Resp:	988678
Ion	Ratio	Lower	Upper
96	100		
61	117.1	93.7	140.5
98	64.0	51.2	76.8





#23

Vinyl Acetate

Concen: 9.852 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tot Ion: 43 Resp: 1683546

Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.7	14.5
42	9.9	7.9	11.9
44	6.0	4.8	7.2

Instrument :

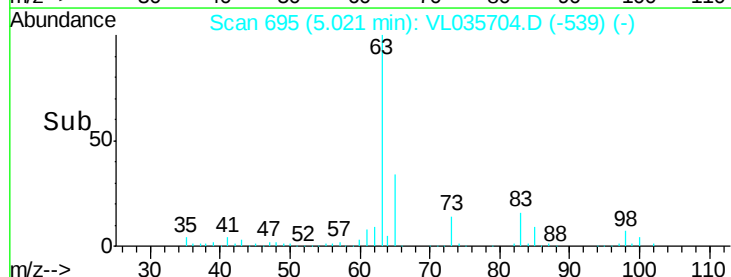
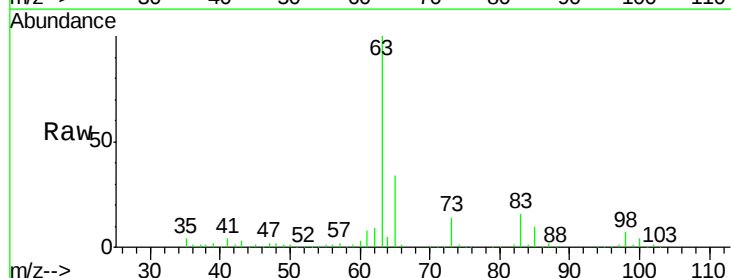
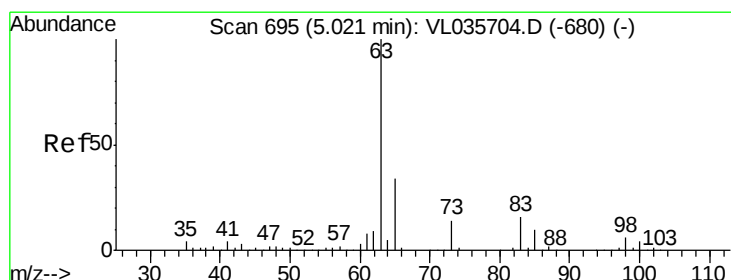
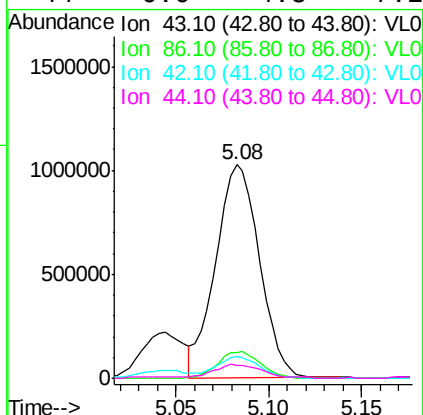
MSVOA_L

ClientSampleId :

VSTDICCC010

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#24

1,1-Dichloroethane

Concen: 9.396 ppbv

RT: 5.02 min Scan# 695

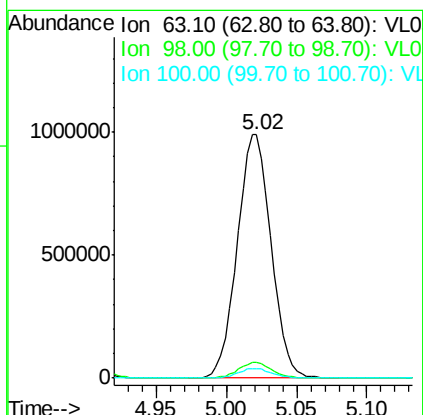
Delta R.T. 0.00 min

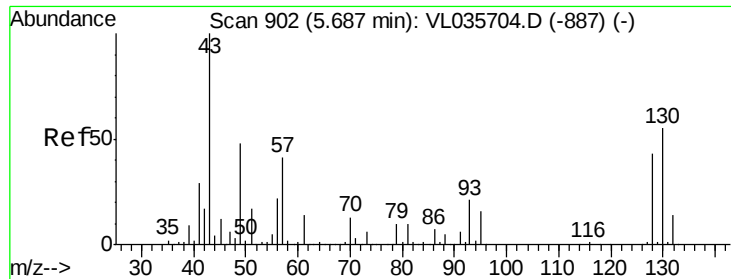
Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 63 Resp: 1662914

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	3.9	2.0	5.8





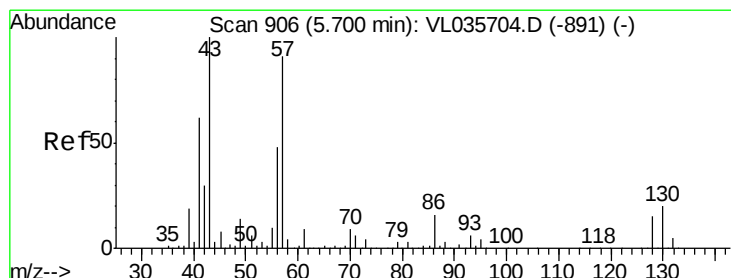
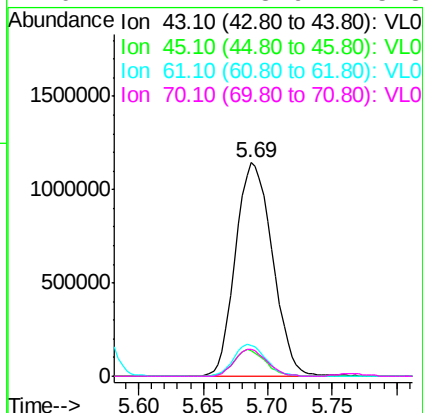
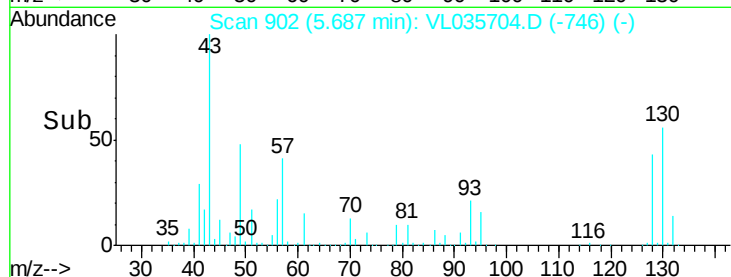
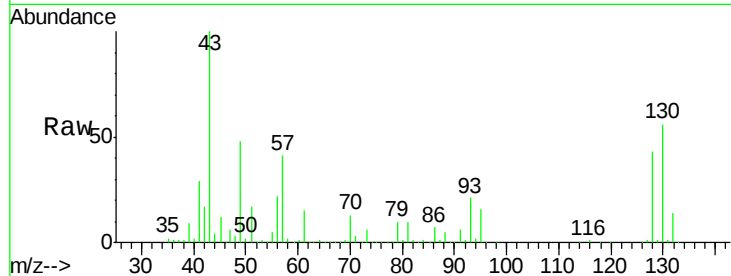
#25
Ethyl Acetate
Concen: 9.578 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:	43	Resp:	2285929
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.9	10.4	15.6
70	11.1	8.9	13.3

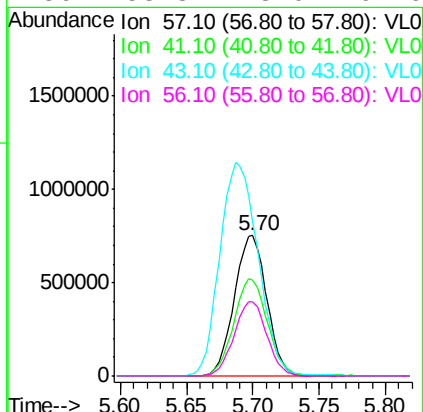
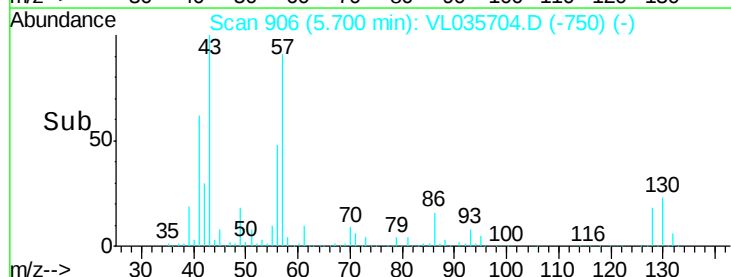
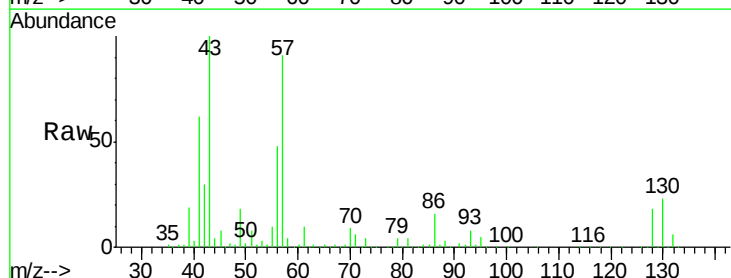
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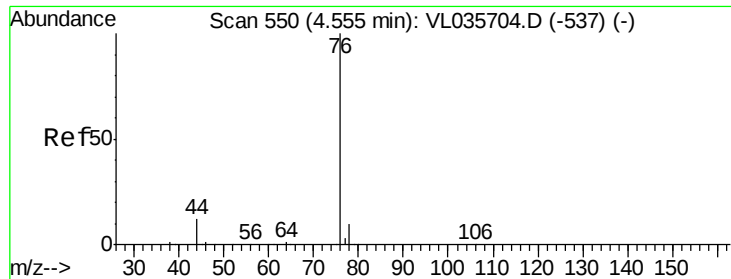
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#26
Hexane
Concen: 9.469 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:	57	Resp:	1277049
Ion	Ratio	Lower	Upper
57	100		
41	72.5	57.9	86.9
43	179.7	143.8	215.6
56	53.8	43.0	64.6





#27

Carbon Disulfide

Concen: 10.815 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 2081285

Ion Ratio Lower Upper

76 100

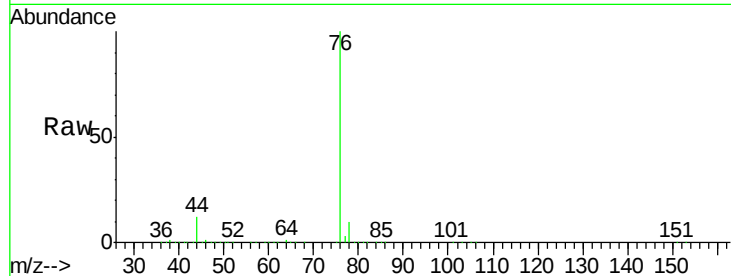
44 12.0 9.7 14.5

78 9.7 7.8 11.8

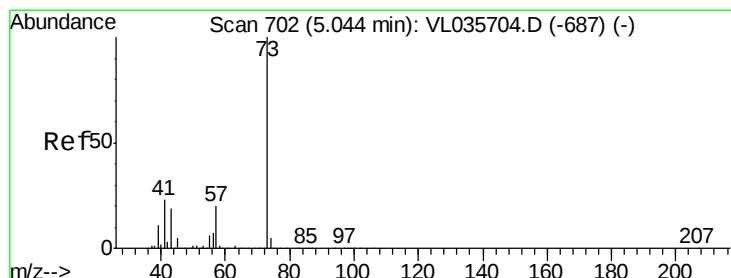
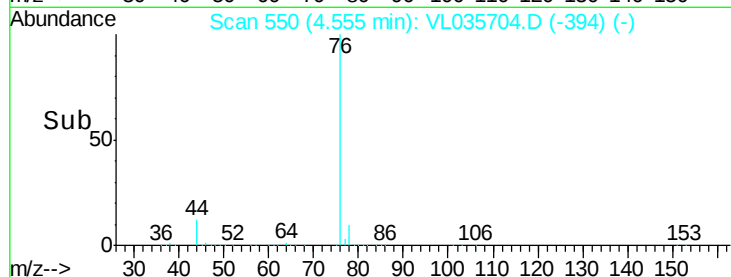
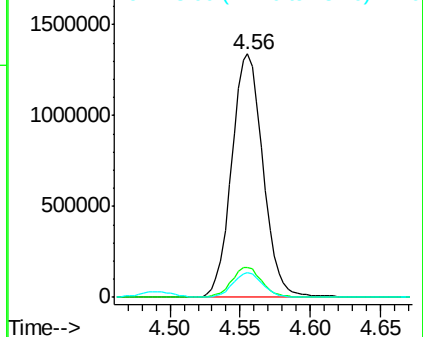
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.192 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL035704.D

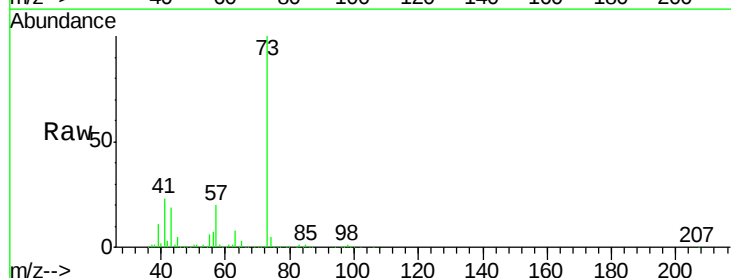
Acq: 23 Sep 2020 3:21

Tgt Ion: 73 Resp: 2108264

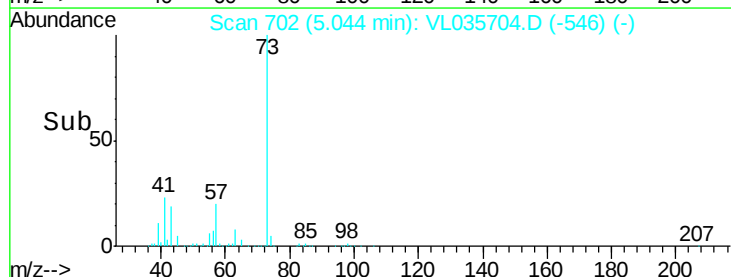
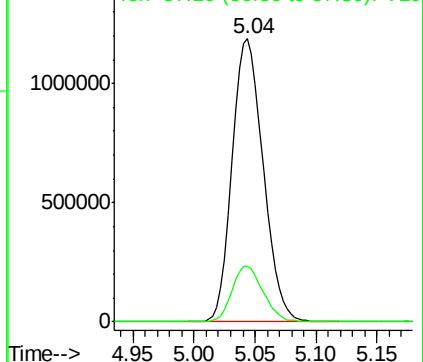
Ion Ratio Lower Upper

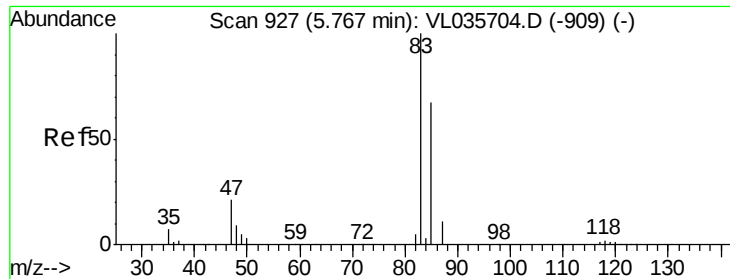
73 100

57 19.6 15.6 23.4



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





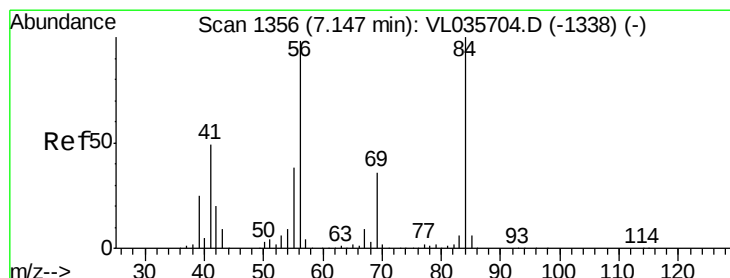
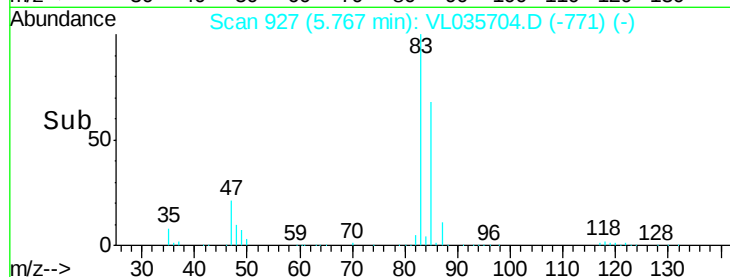
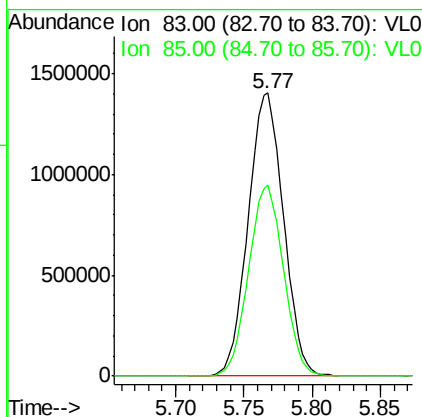
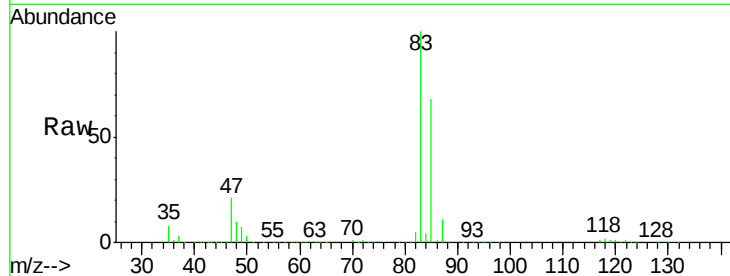
#29
Chloroform
Concen: 9.284 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2530220
Ion Ratio Lower Upper
83 100
85 67.5 54.0 81.0

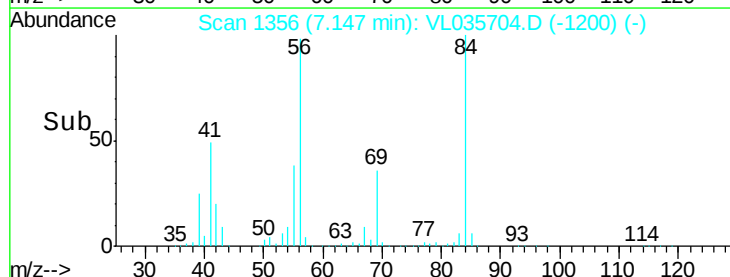
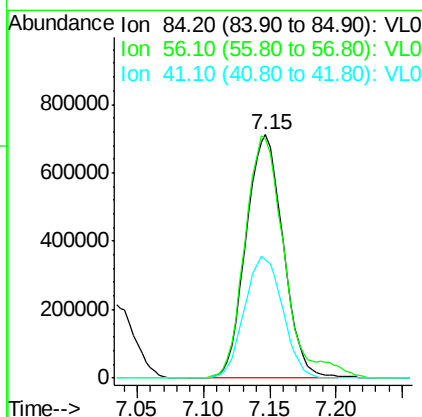
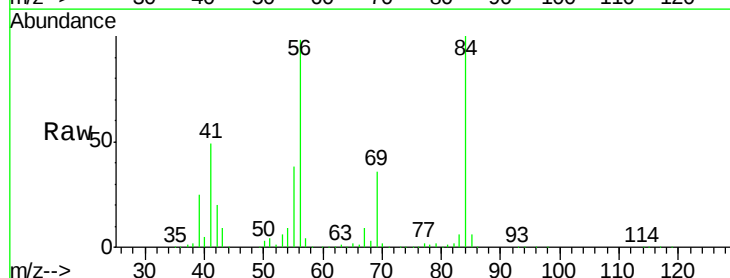
Manual Integrations
APPROVED

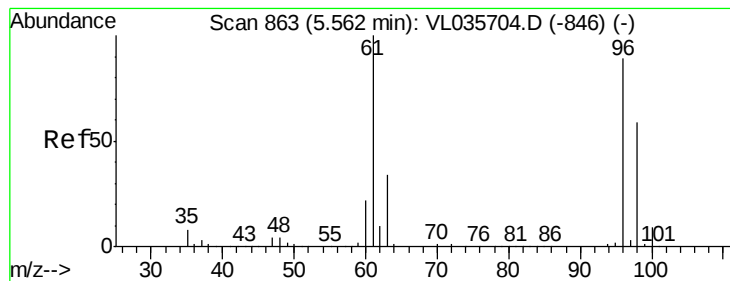
MMDadoda
9/24/2020 1:35:10 PM



#30
Cyclohexane
Concen: 9.764 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 84 Resp: 1388117
Ion Ratio Lower Upper
84 100
56 105.9 84.6 127.0
41 51.4 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 9.639 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 61 Resp: 1318452

Ion Ratio Lower Upper

61 100

96 89.3 71.4 107.2

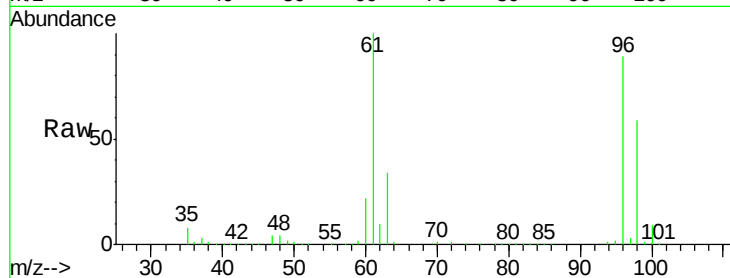
98 59.3 47.4 71.2

Manual Integrations

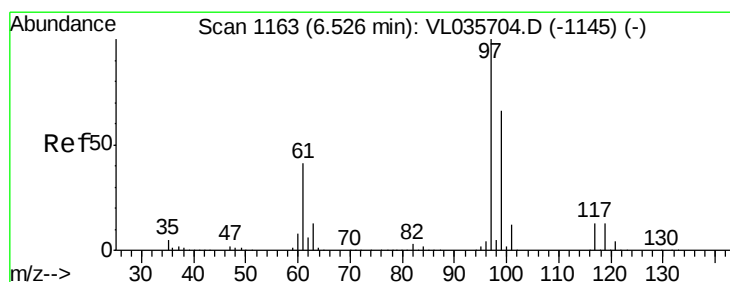
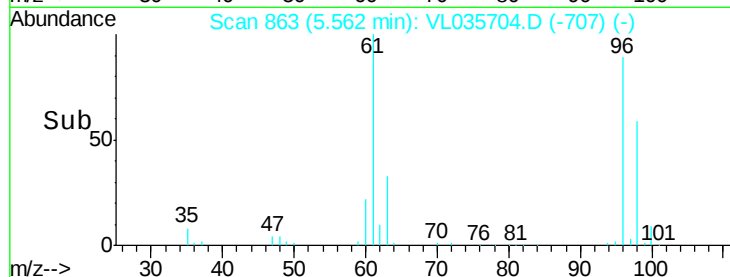
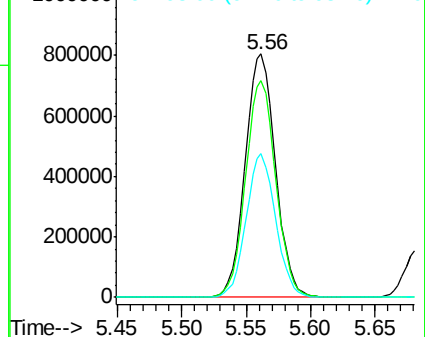
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9/24/2020 1:35:10 PM



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.240 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

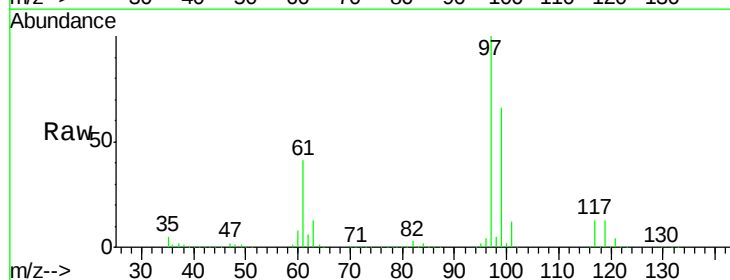
Tgt Ion: 97 Resp: 2435247

Ion Ratio Lower Upper

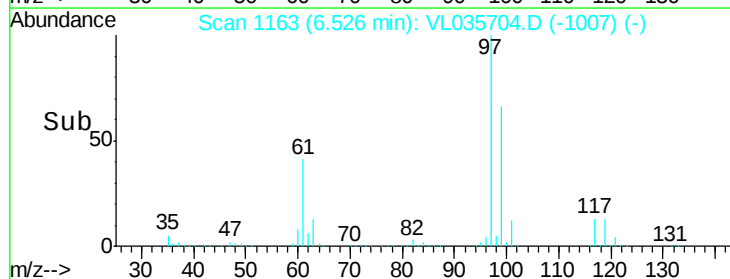
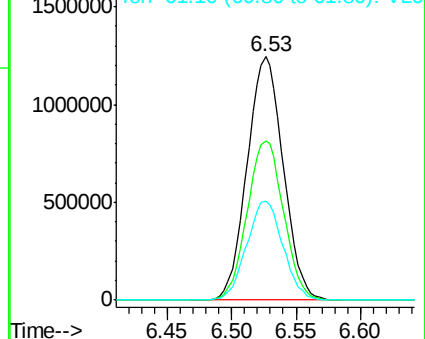
97 100

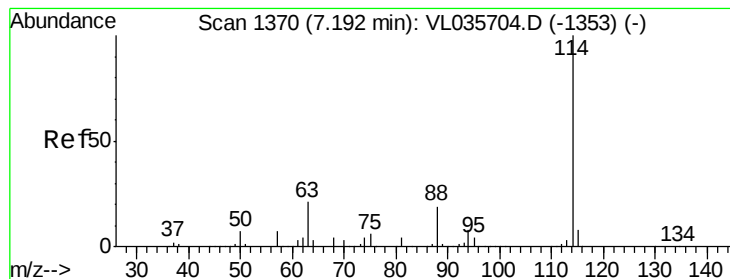
99 65.9 52.7 79.1

61 40.9 32.7 49.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:114 Resp: 4696284

Ion Ratio Lower Upper

114 100

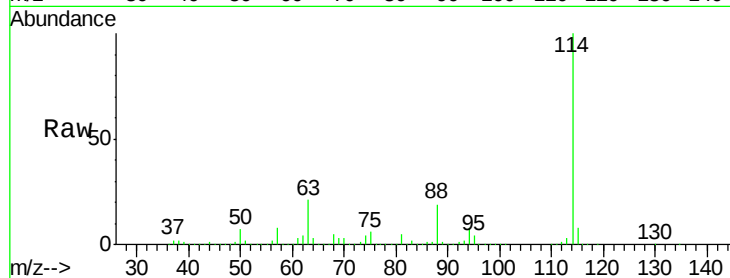
63 20.0 16.1 24.1

88 17.6 14.1 21.1

Manual Integrations
APPROVED

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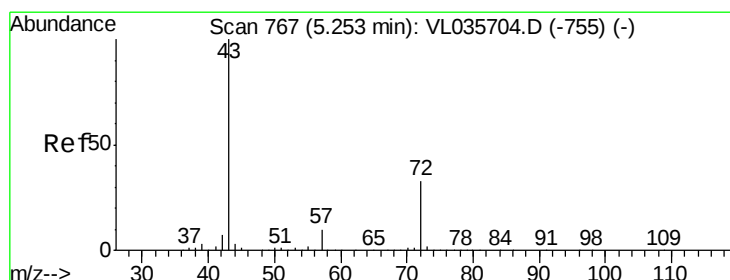
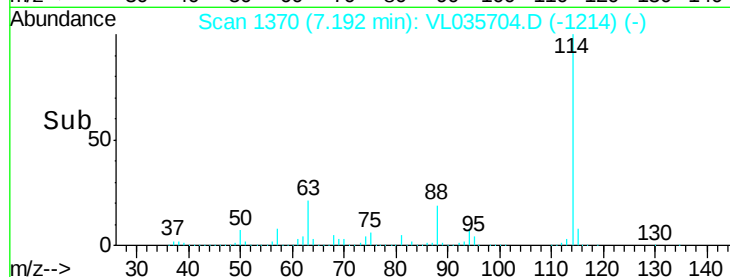
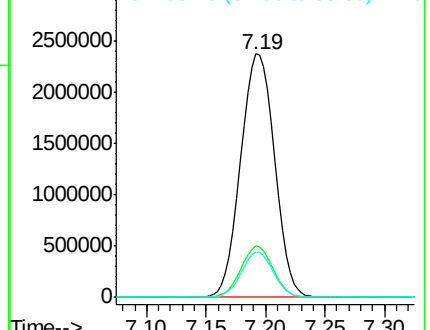
9/24/2020 1:35:10 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.912 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL035704.D

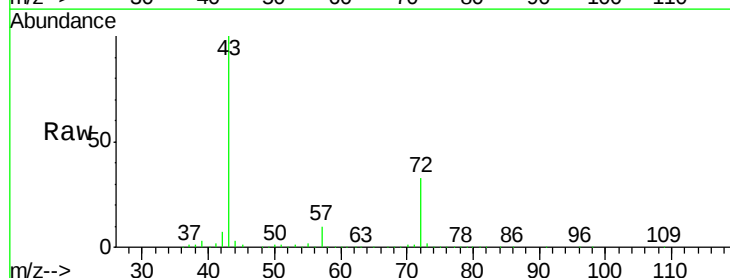
Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 1559356

Ion Ratio Lower Upper

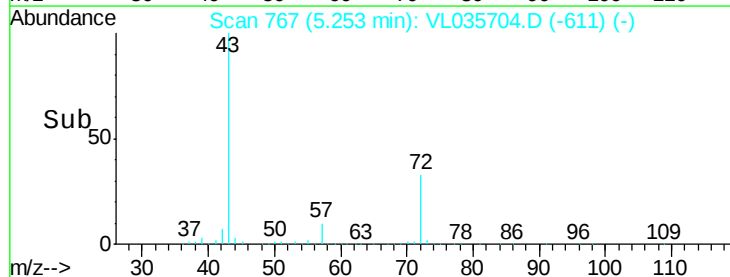
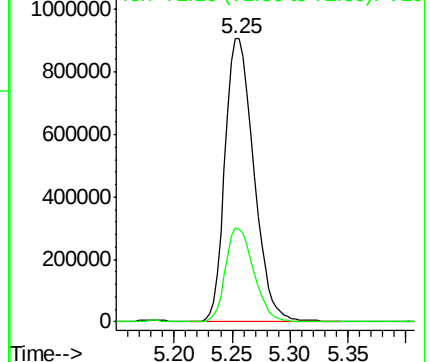
43 100

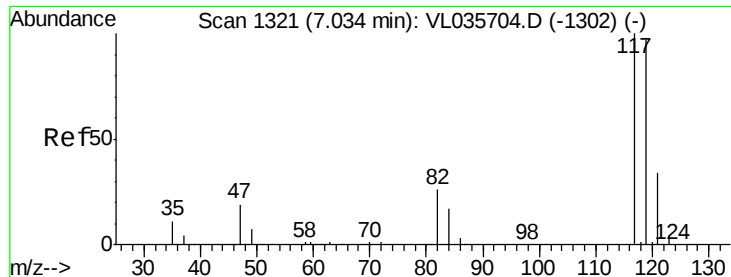
72 32.6 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.706 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2540915

Ion Ratio Lower Upper

117 100

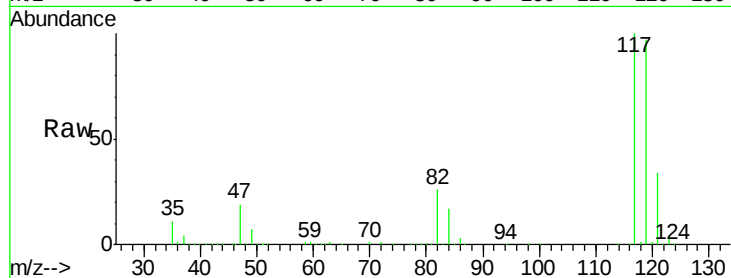
119 97.1 77.7 116.5

121 33.6 26.9 40.3

Manual Integrations
APPROVED

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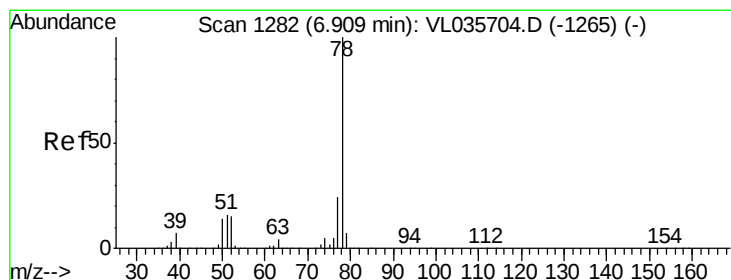
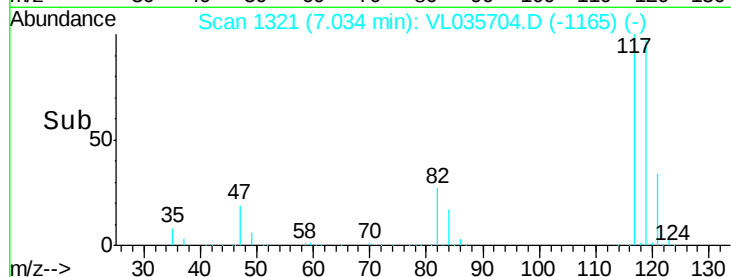
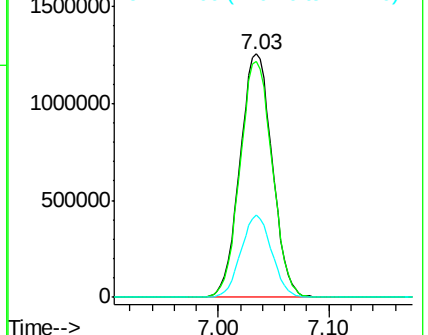
9/24/2020 1:35:10 PM



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: 10.262 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

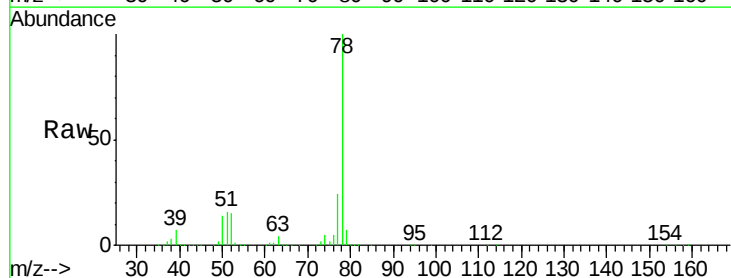
Tgt Ion: 78 Resp: 3152755

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

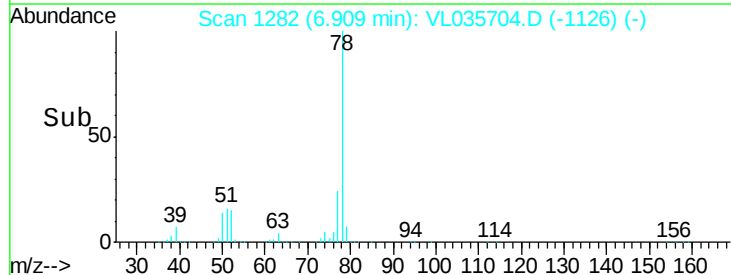
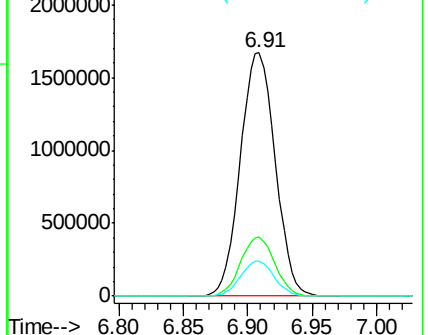
50 14.5 11.6 17.4

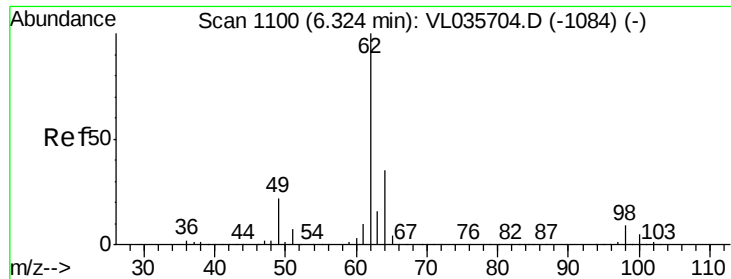


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





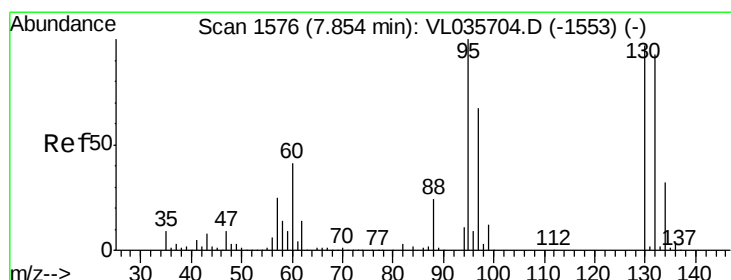
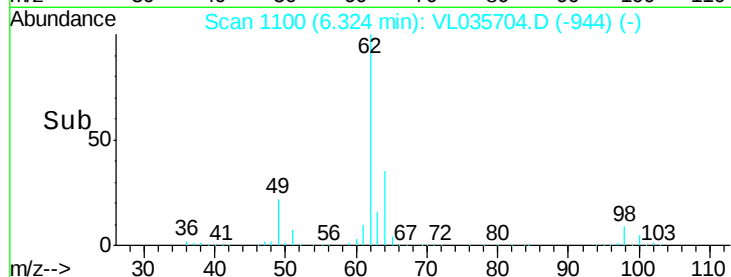
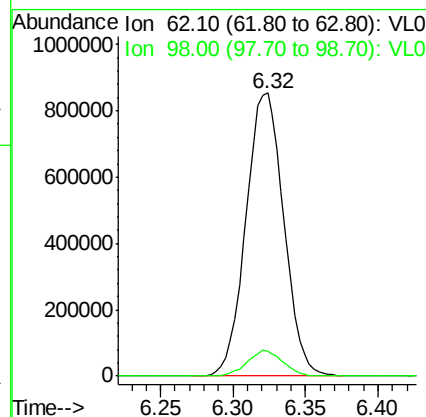
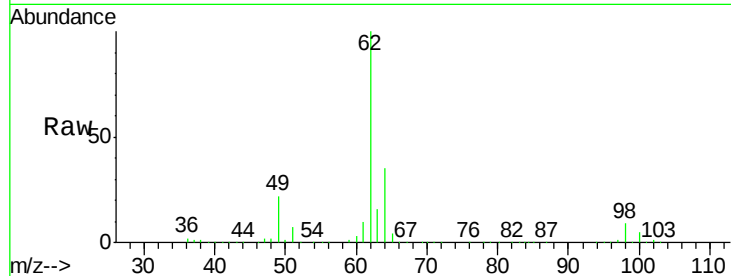
#37
1,2-Dichloroethane
Concen: 10.471 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3

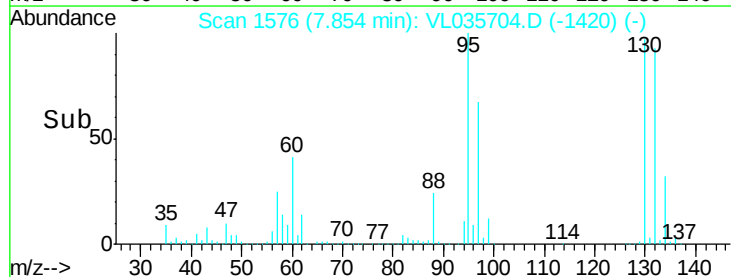
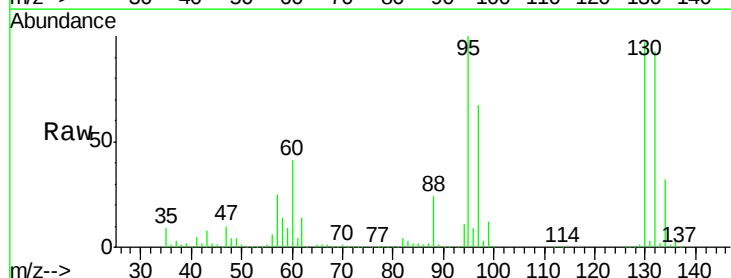
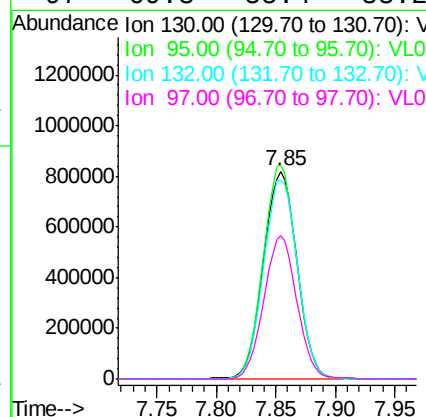
Manual Integrations
APPROVED

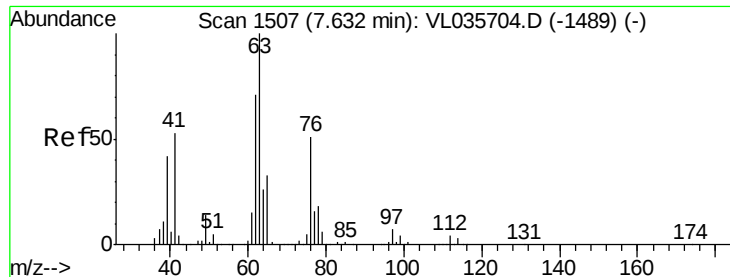
MMDadoda
9/24/2020 1:35:10 PM



#38
Trichloroethene
Concen: 9.080 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	82.4	123.6
132	96.0	76.8	115.2
97	69.3	55.4	83.2





#39

1,2-Dichloropropane

Concen: 10.472 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1094127

Ion Ratio Lower Upper

63 100

41 53.2 42.6 63.8

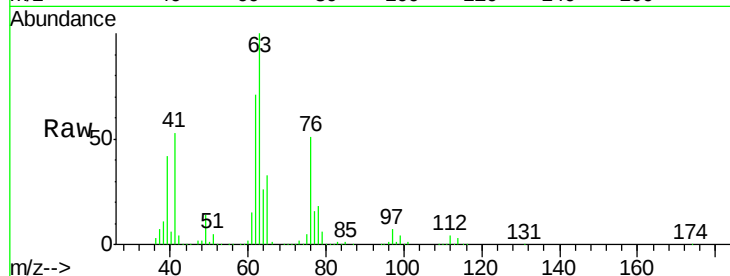
62 70.6 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

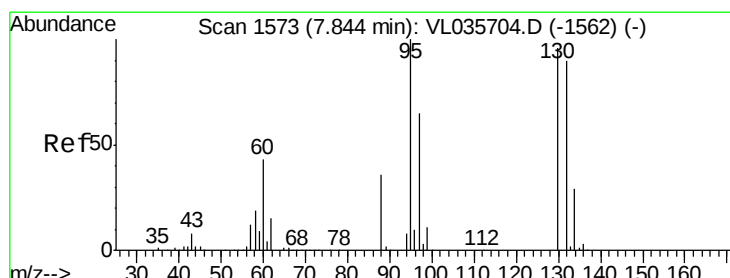
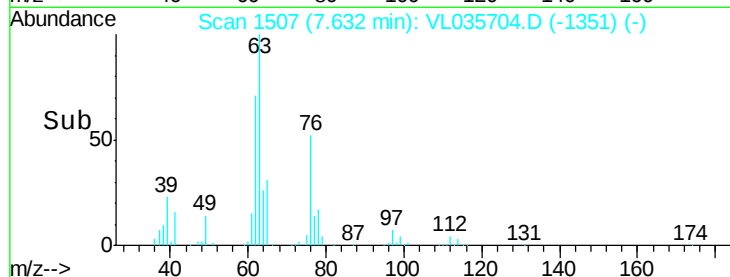
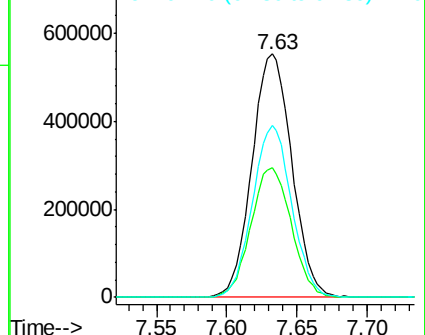
9/24/2020 1:35:10 PM



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: 10.424 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 88 Resp: 531061

Ion Ratio Lower Upper

88 100

58 95.3 76.2 114.4

43 153.2 123.4 185.2

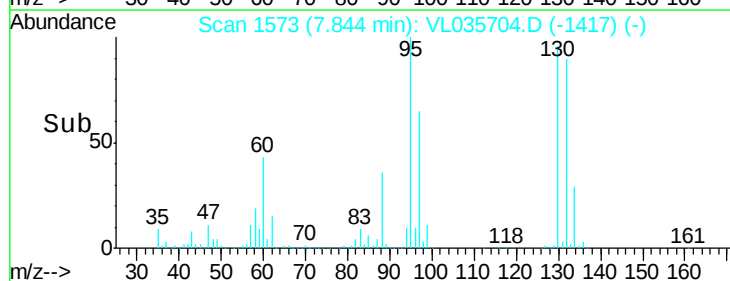
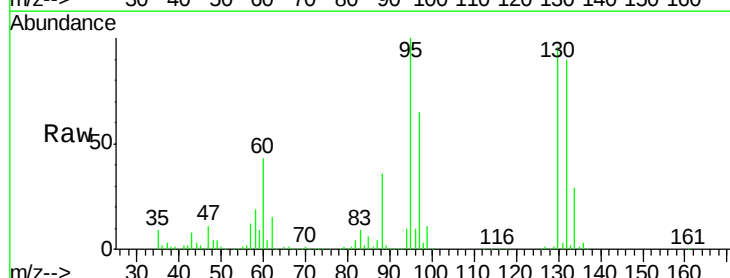
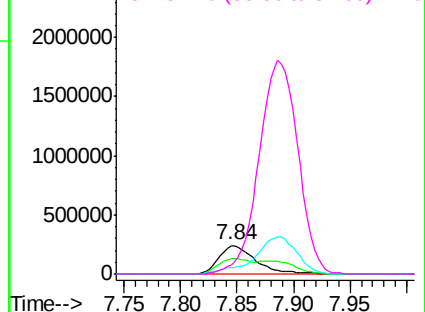
57 815.7 652.5 978.7

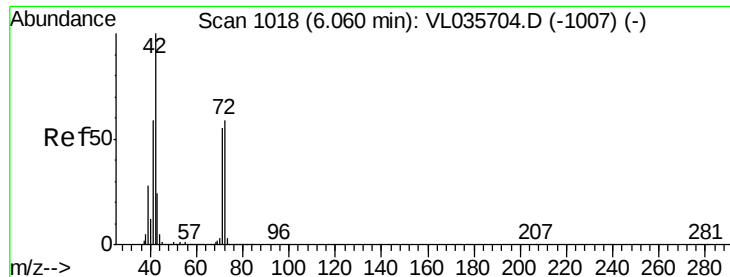
Abundance Ion 88.10 (87.80 to 88.80): VL0

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





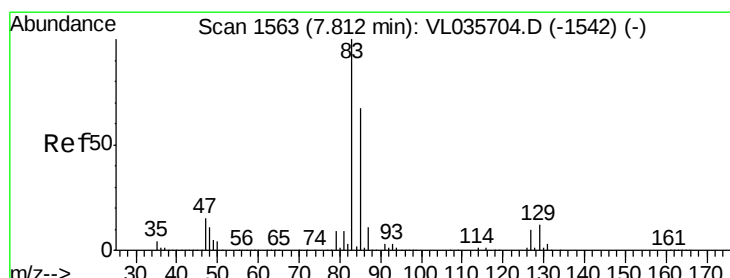
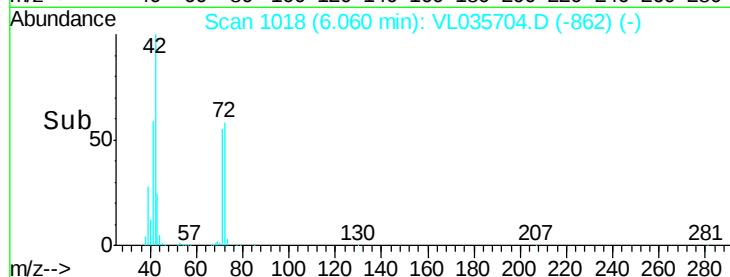
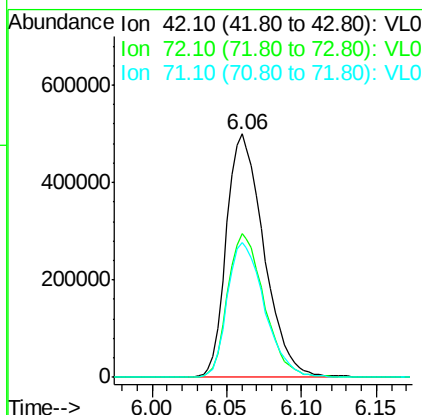
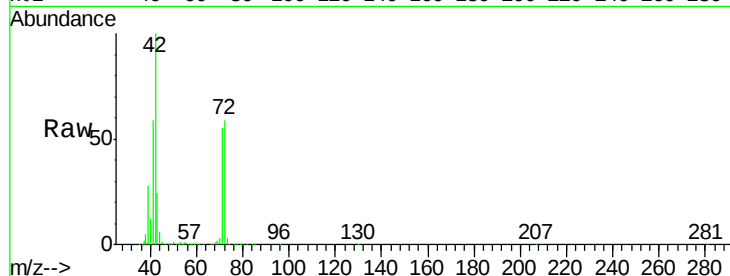
#41
Tetrahydrofuran
Concen: 11.507 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.8	46.2	69.4
71	55.3	44.2	66.4

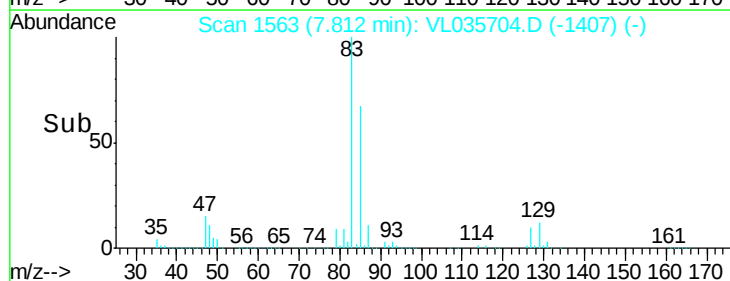
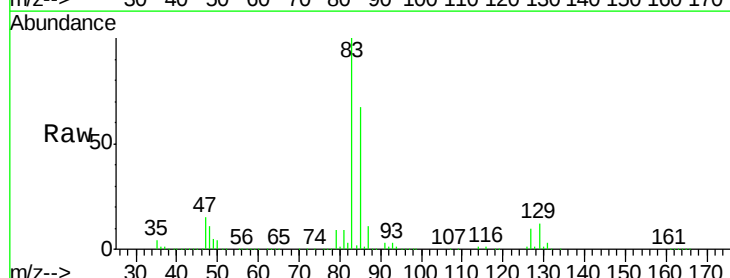
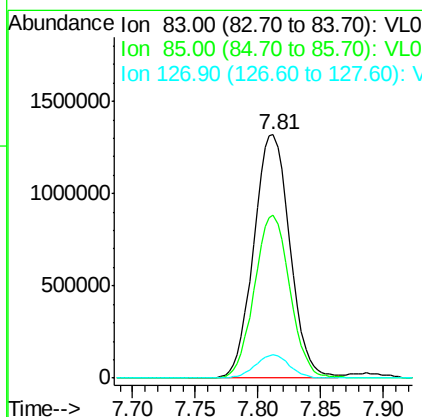
Manual Integrations
APPROVED

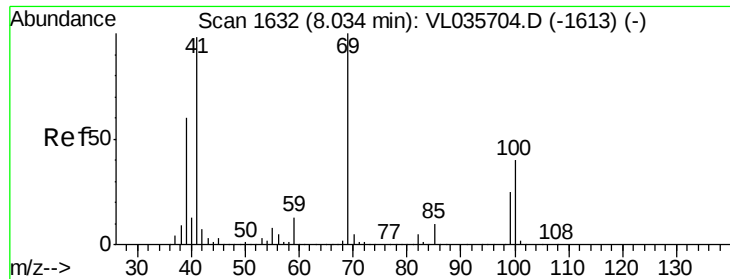
MMDadoda
9/24/2020 1:35:10 PM



#42
Bromodichloromethane
Concen: 11.133 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.0
127	9.7	7.8	11.6





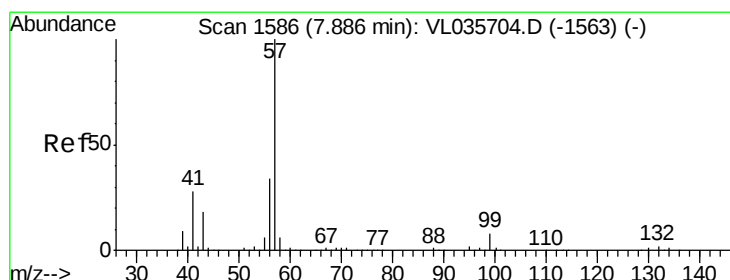
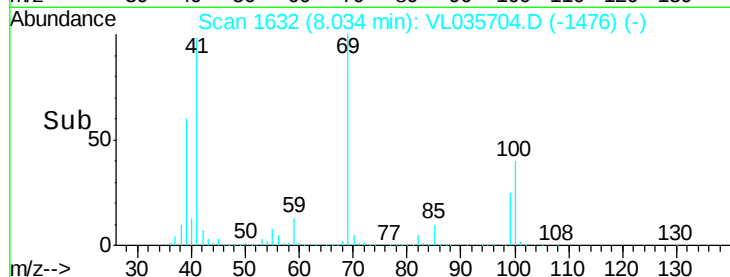
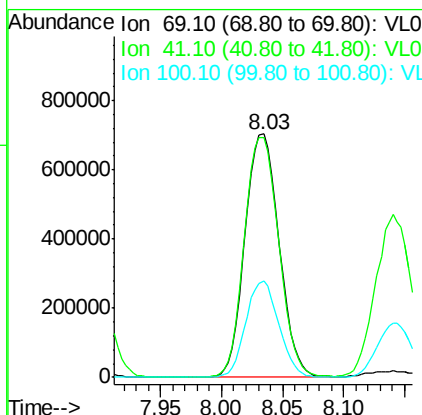
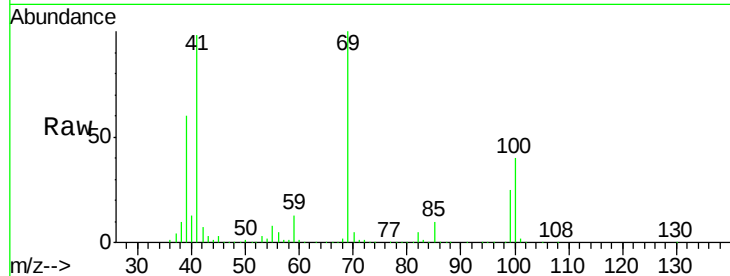
#43
Methvl Methacrylate
Concen: 11.340 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1358031
Ion Ratio Lower Upper
69 100
41 99.7 79.8 119.6
100 38.3 30.6 46.0

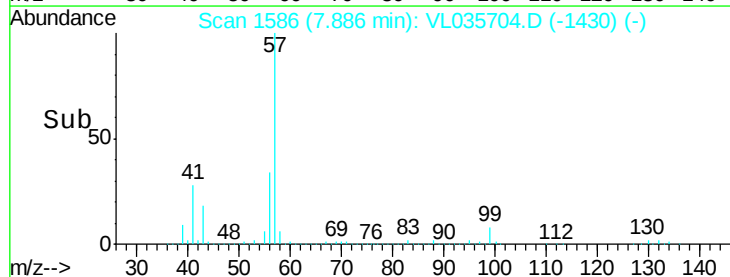
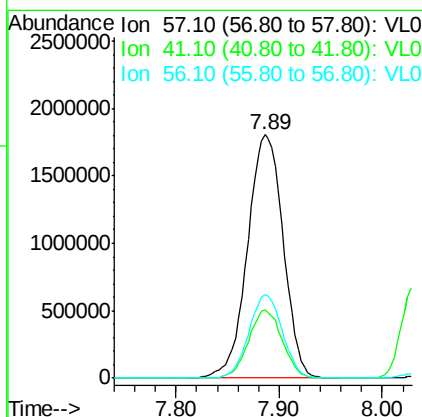
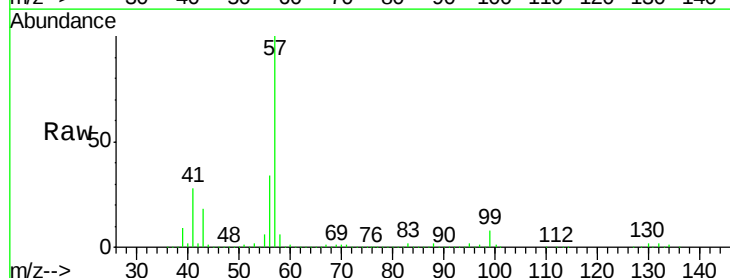
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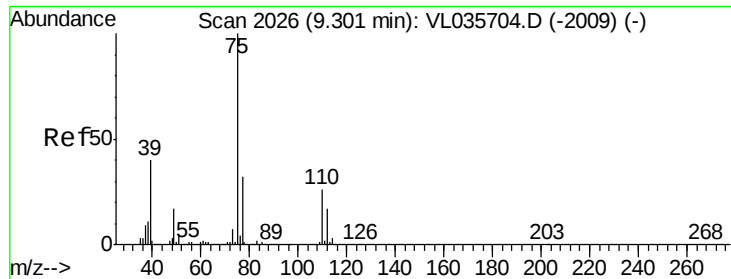
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#44
2,2,4-Trimethylpentane
Concen: 10.560 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 57 Resp: 4325675
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.3 25.8 38.8





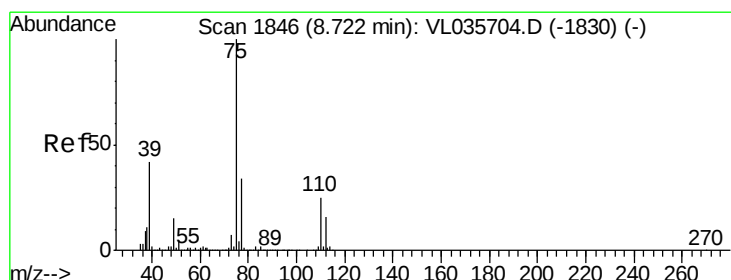
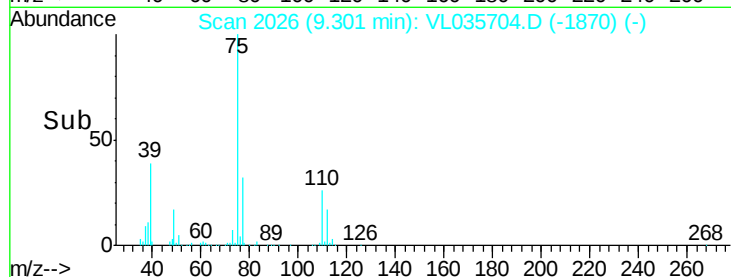
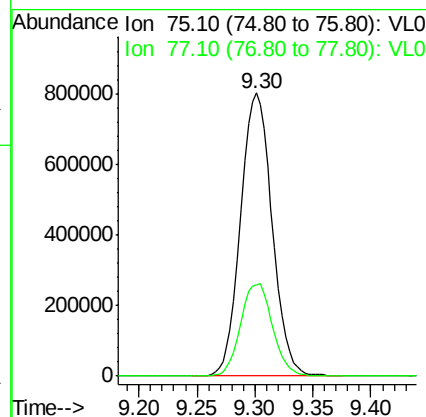
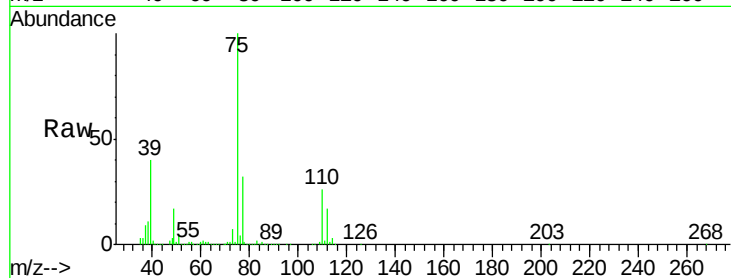
#45
 t-1,3-Dichloropropene
 Concen: 12.522 ppbv
 RT: 9.30 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1514152
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9

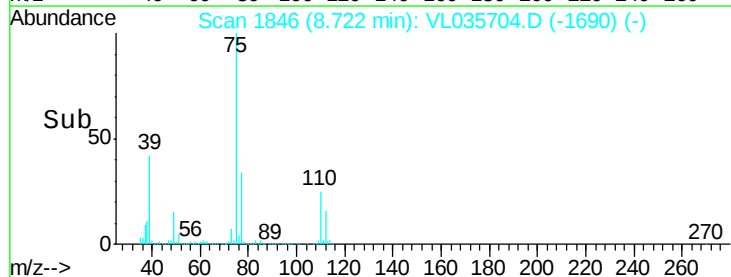
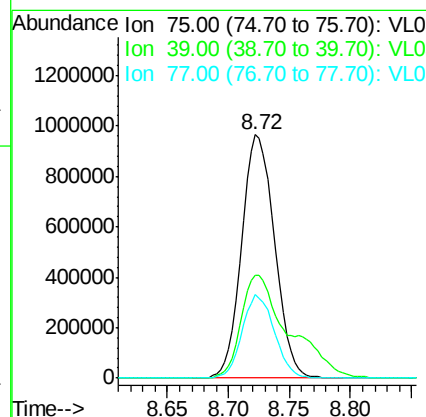
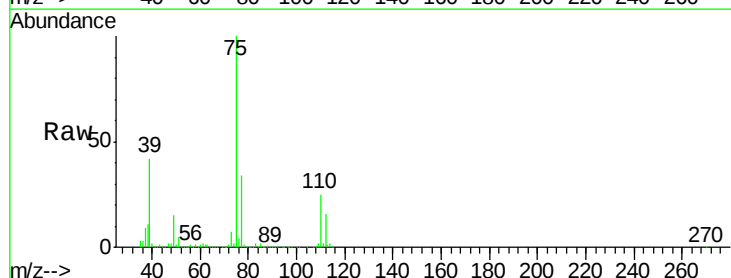
Manual Integrations
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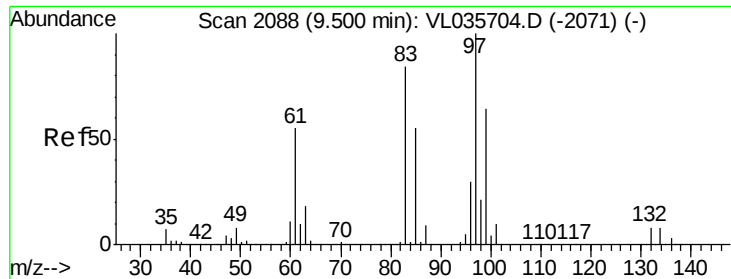
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#46
 cis-1,3-Dichloropropene
 Concen: 11.991 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 75 Resp: 1801562
 Ion Ratio Lower Upper
 75 100
 39 42.4 33.9 50.9
 77 34.2 27.4 41.0





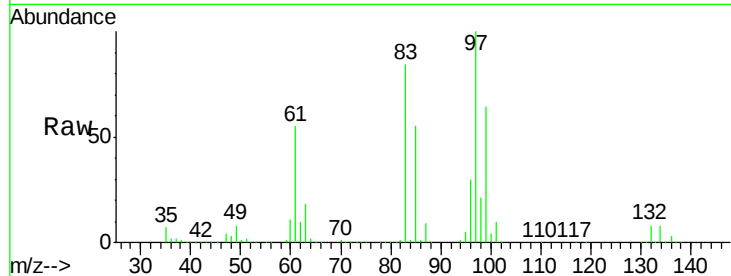
#47
 1,1,2-Trichloroethane
 Concen: 10.176 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

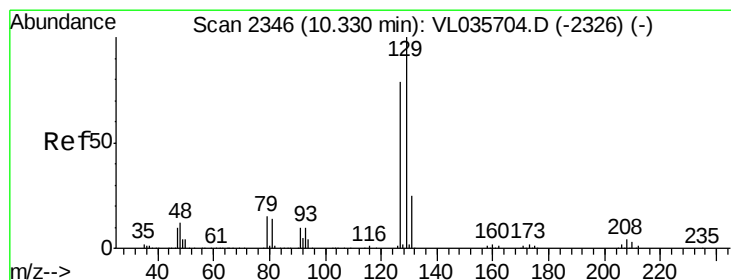
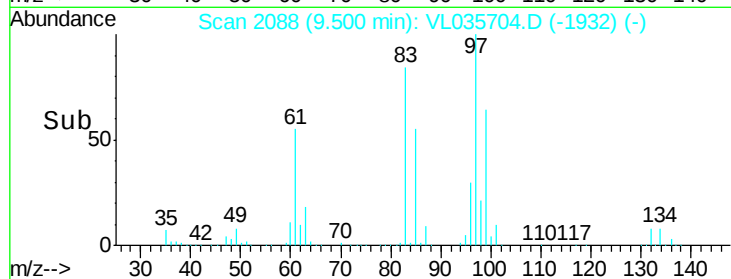
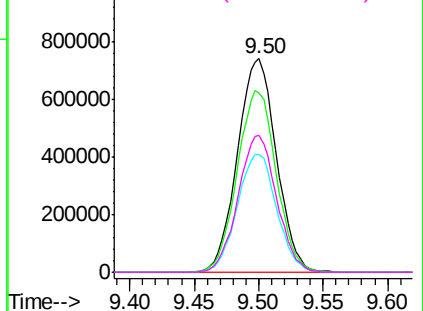
Tot Ion: 97 Resp: 1556624
 Ion Ratio Lower Upper
 97 100
 83 83.9 67.1 100.7
 85 54.9 43.9 65.9
 99 64.1 51.3 76.9

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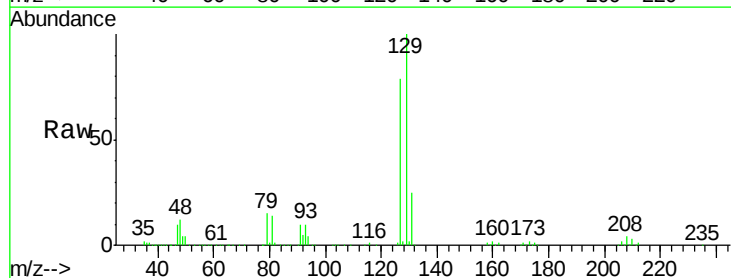


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

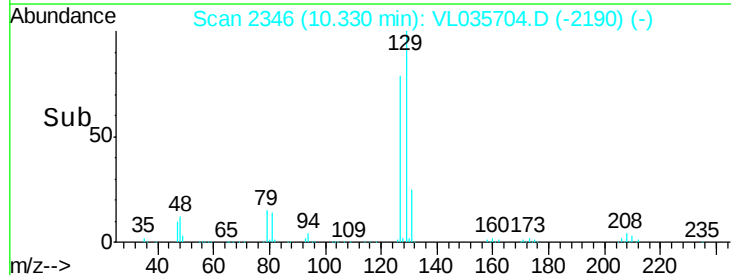
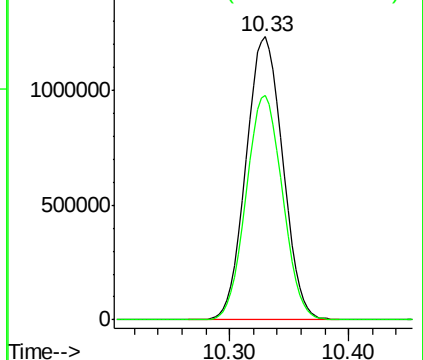


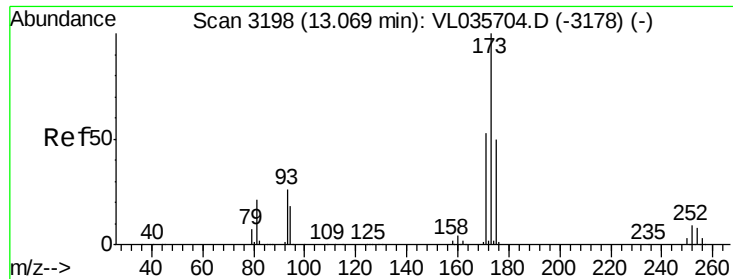
#48
 Dibromochloromethane
 Concen: 11.061 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 129 Resp: 2640923
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.049 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 2349486

Ion Ratio Lower Upper

173 100

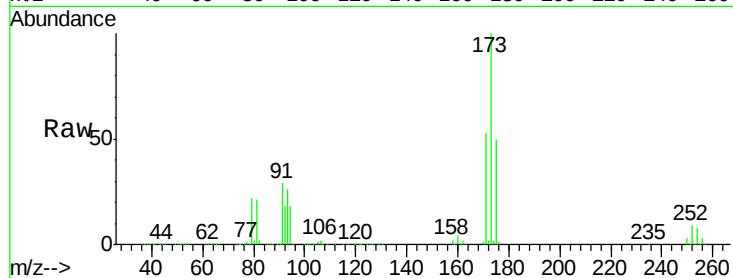
175 49.9 39.8 59.6

171 53.5 42.8 64.2

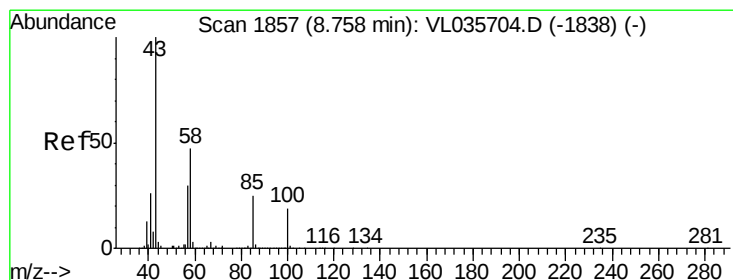
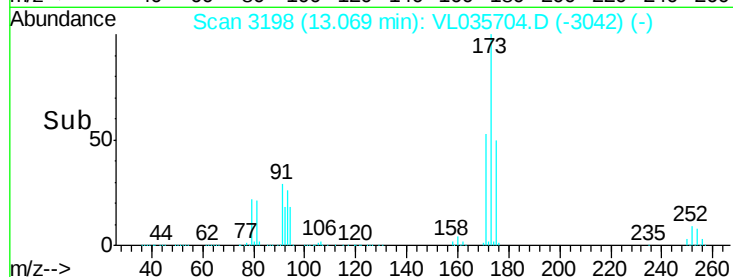
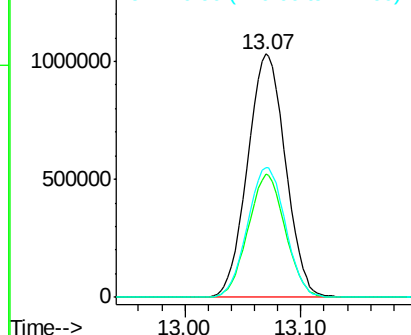
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.310 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035704.D

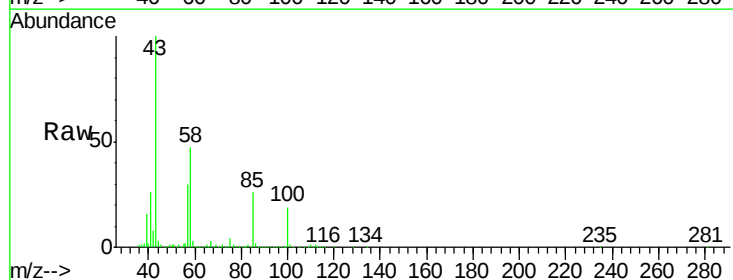
Acq: 23 Sep 2020 3:21

Tgt Ion: 43 Resp: 2348199

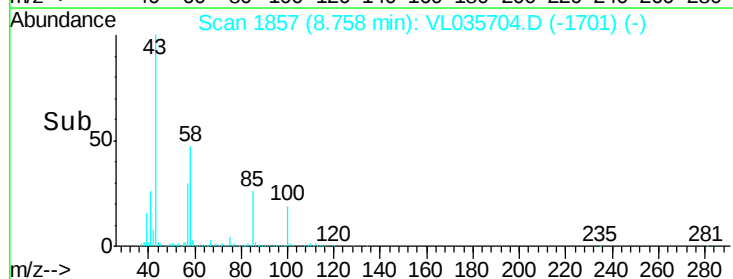
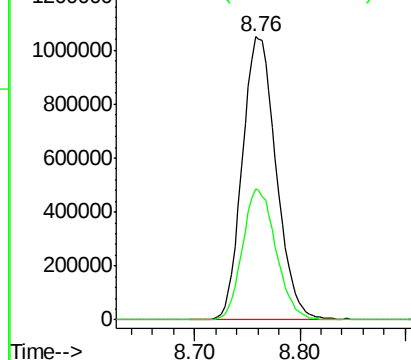
Ion Ratio Lower Upper

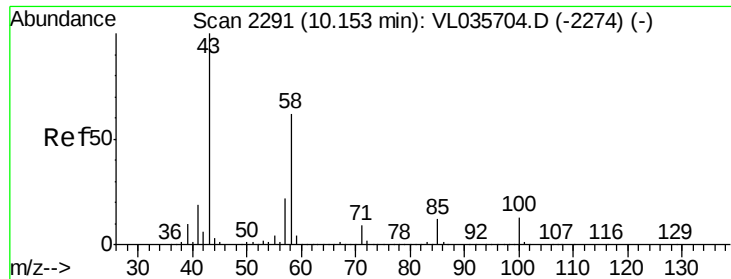
43 100

58 45.7 36.6 54.8



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





#51

2-Hexanone

Concen: 11.795 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2003172

Ion Ratio Lower Upper

43 100

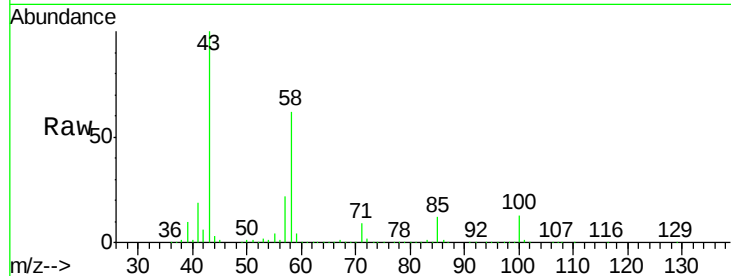
58 60.8 48.7 73.1

98 0.9 0.7 1.1

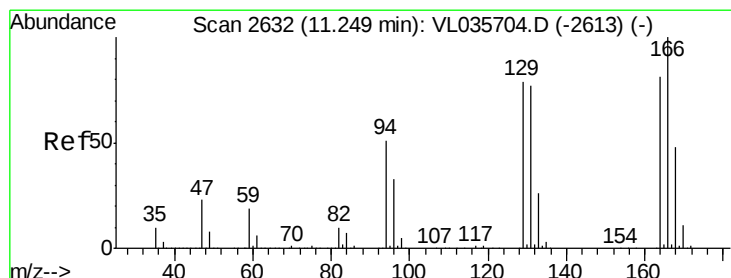
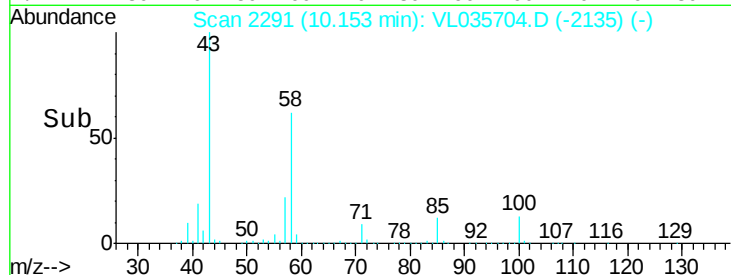
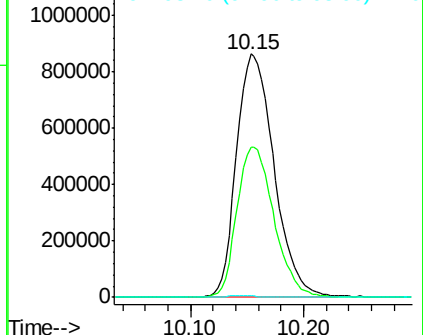
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.513 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion:164 Resp: 1489213

Ion Ratio Lower Upper

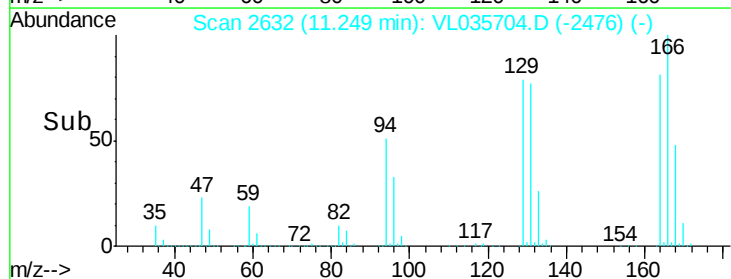
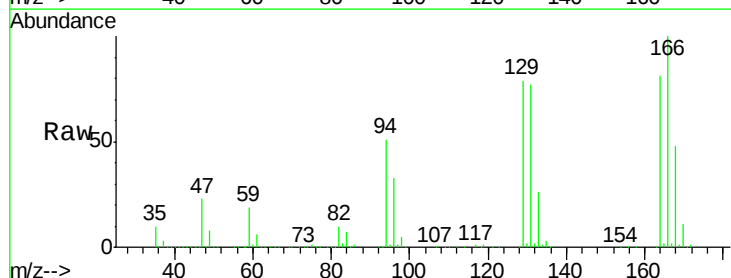
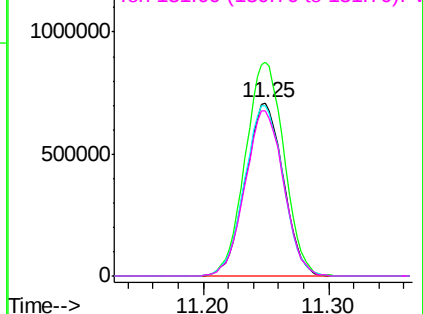
164 100

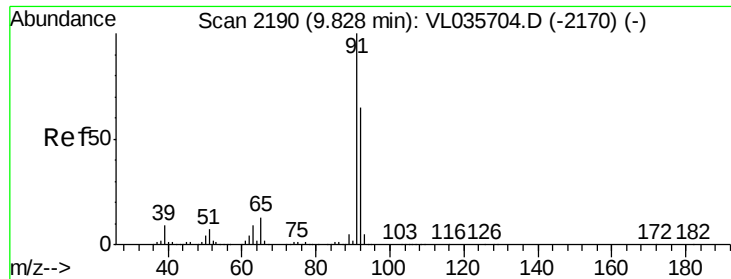
166 123.4 98.7 148.1

129 98.0 78.4 117.6

131 95.2 76.2 114.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.361 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3989552

Ion Ratio Lower Upper

91 100

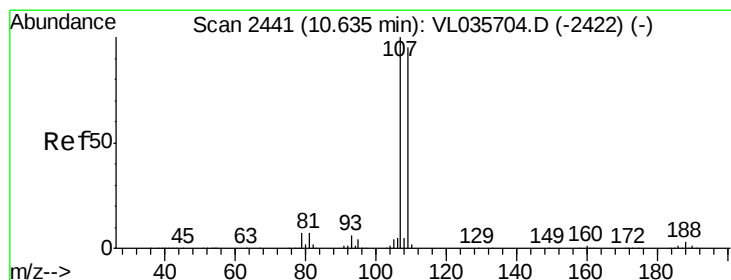
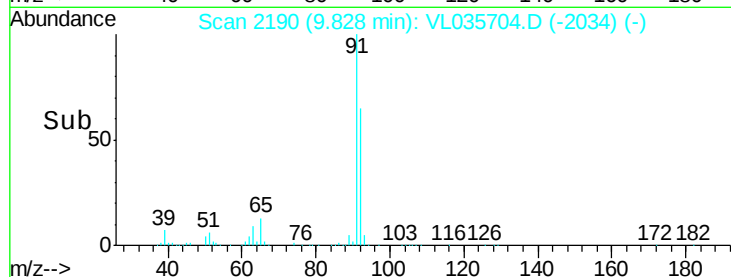
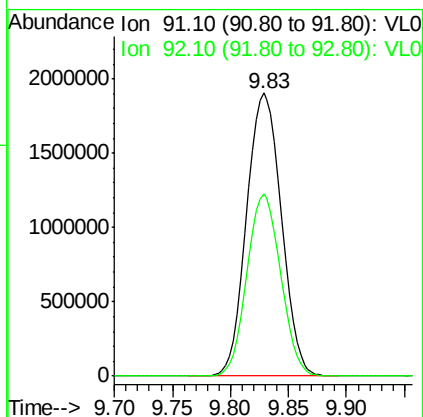
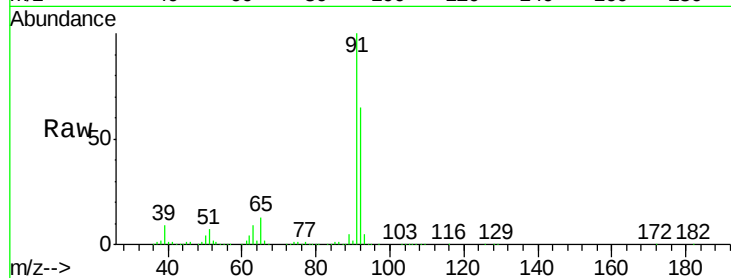
92 62.5 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.191 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035704.D

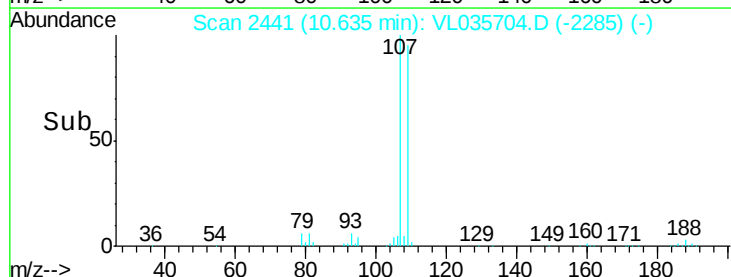
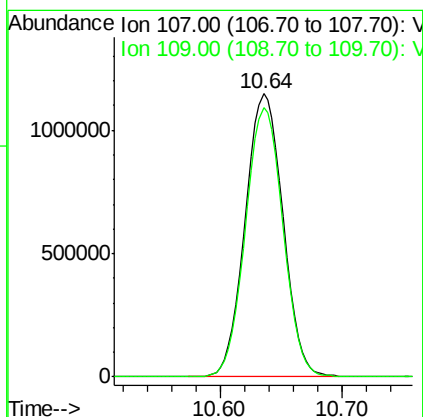
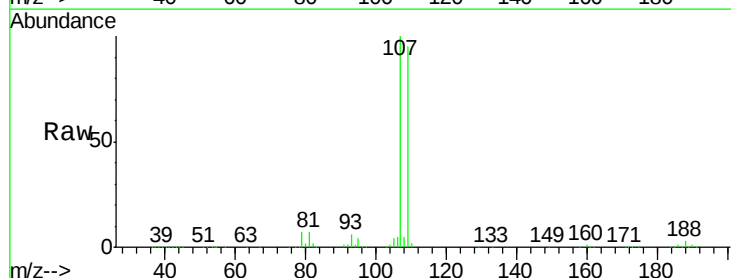
Acq: 23 Sep 2020 3:21

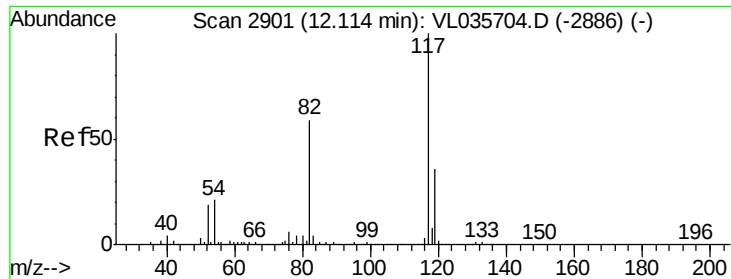
Tgt Ion: 107 Resp: 2453614

Ion Ratio Lower Upper

107 100

109 95.0 76.0 114.0





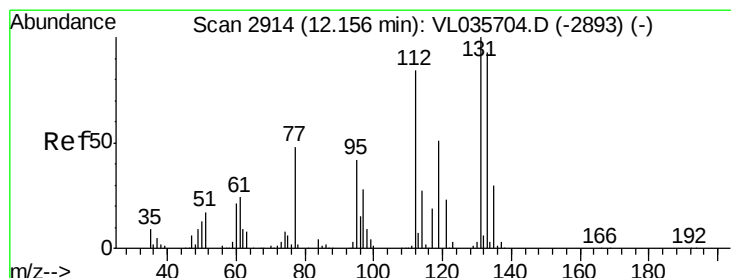
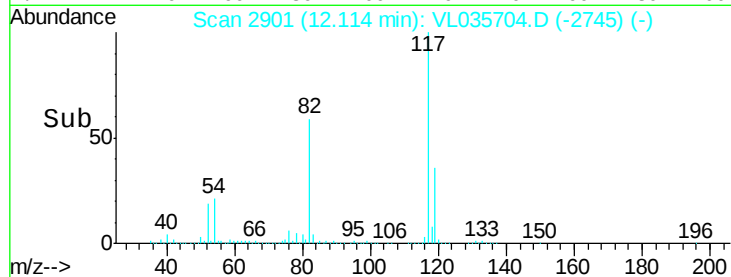
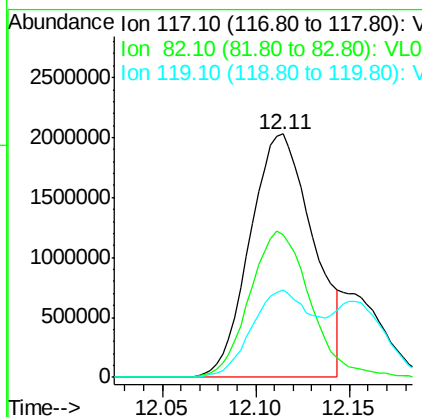
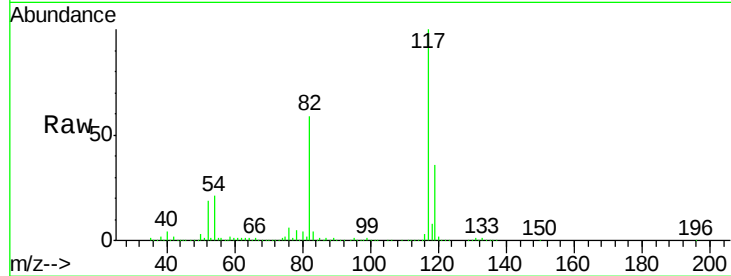
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4770376
Ion Ratio Lower Upper
117 100
82 57.7 46.1 69.1
119 33.0 28.0 42.0

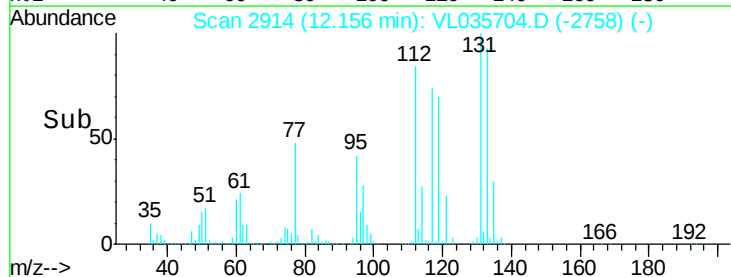
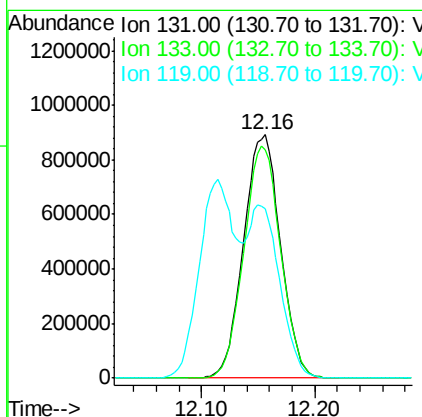
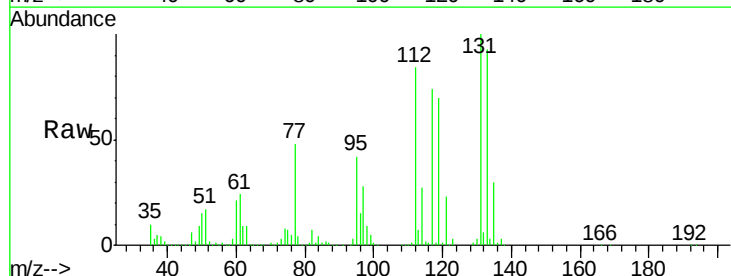
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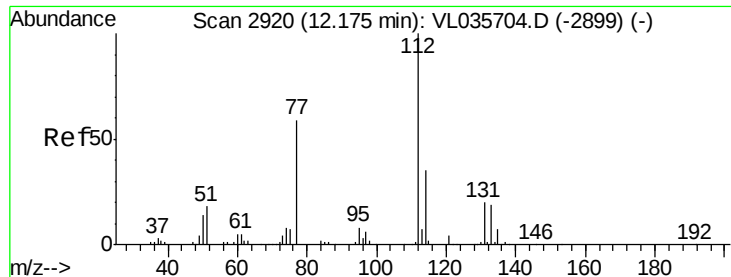
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.349 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:131 Resp: 2027930
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 60.9 52.4 78.6





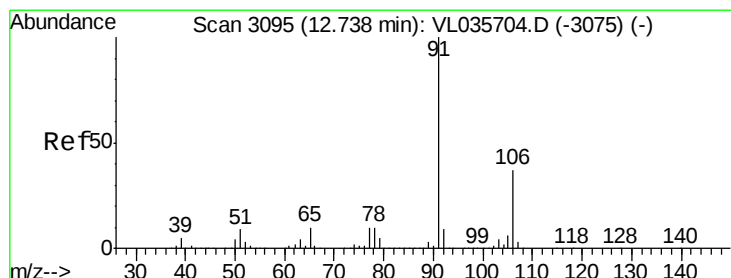
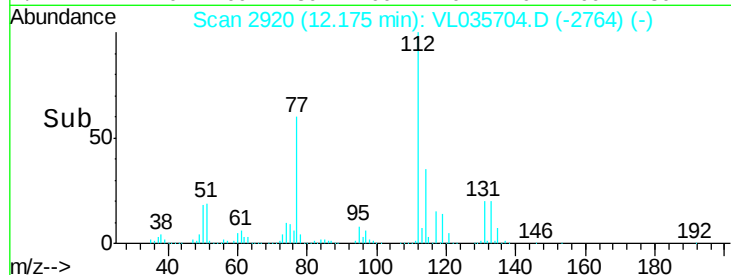
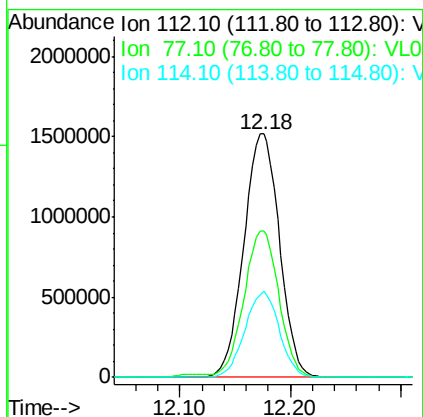
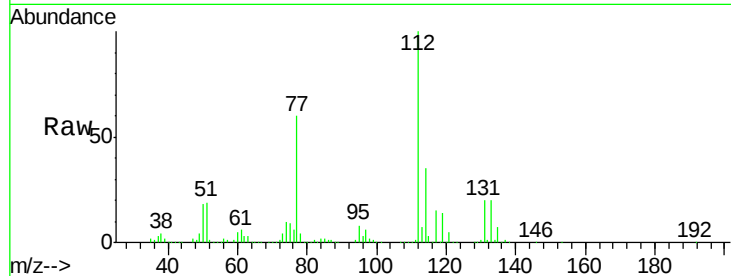
#57
Chlorobenzene
Concen: 9.541 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.2	48.2	72.2
114	35.5	31.9	39.1

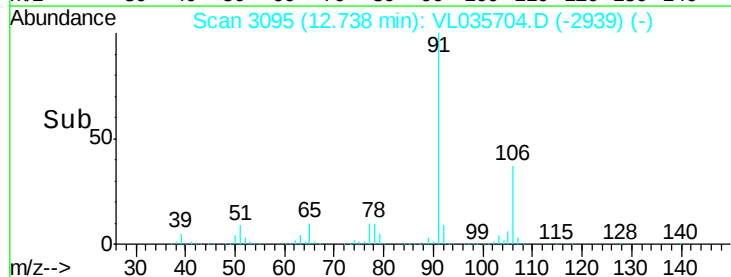
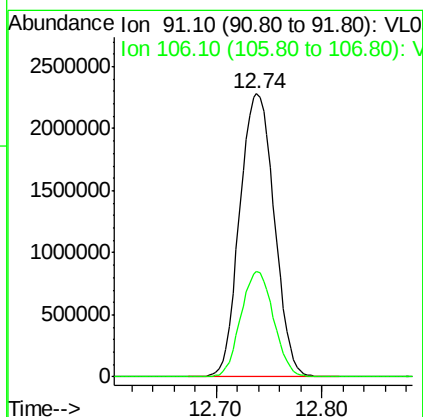
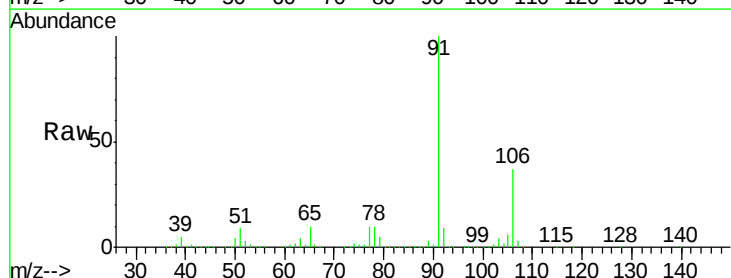
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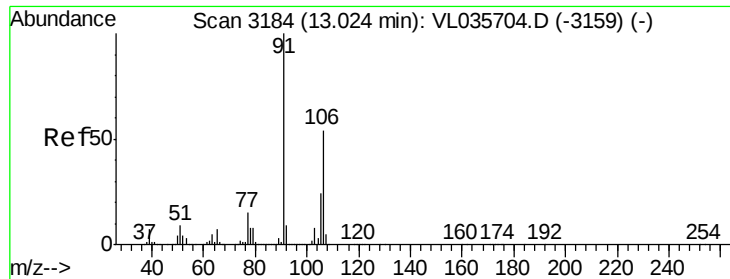
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#58
Ethyl Benzene
Concen: 10.375 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.1	29.7	44.5





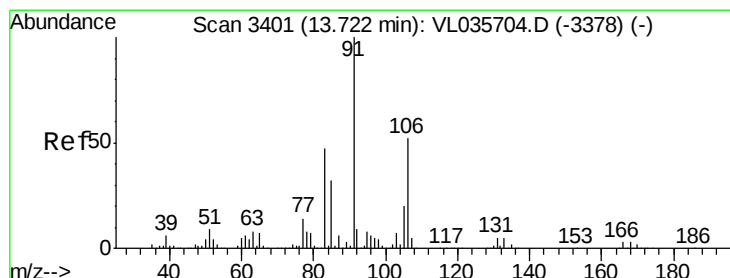
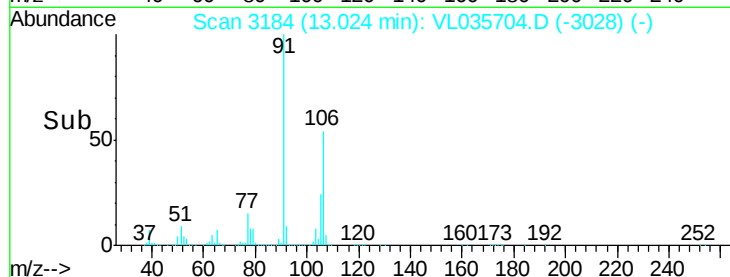
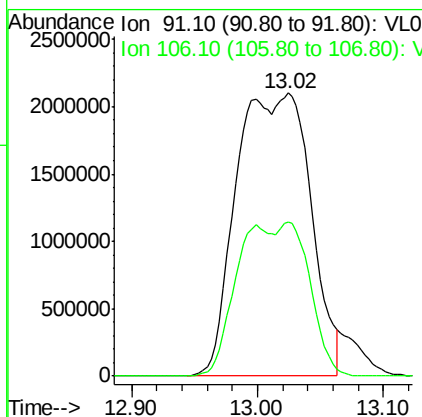
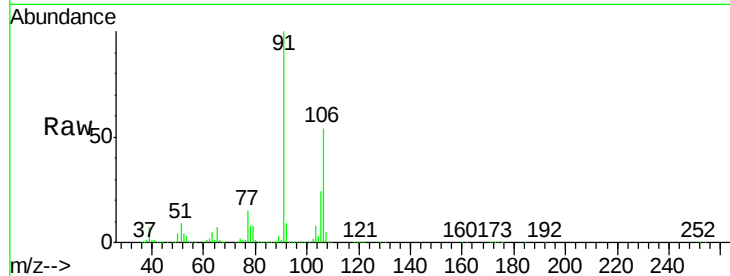
#59
m/p-Xylene
Concen: 20.348 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8573325
Ion Ratio Lower Upper
91 100
106 52.4 41.4 62.0

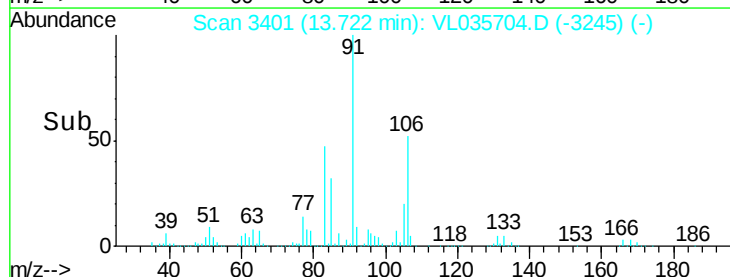
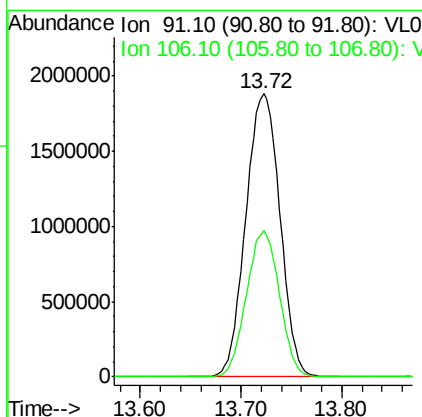
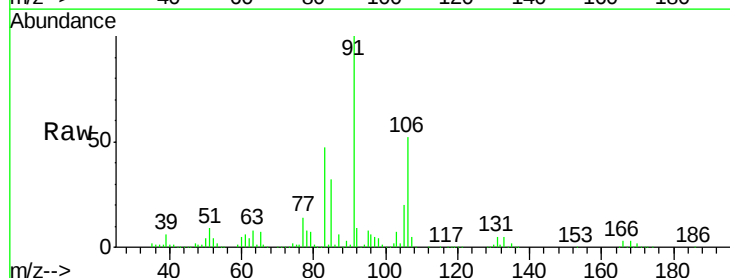
Manual Integrations
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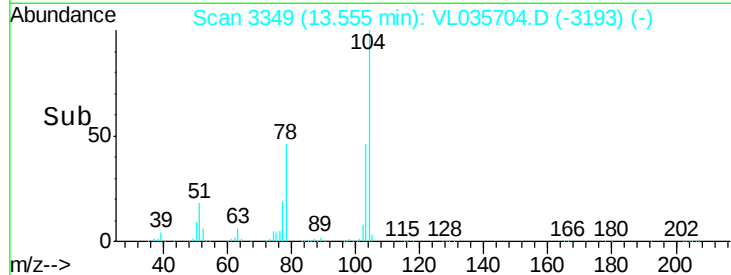
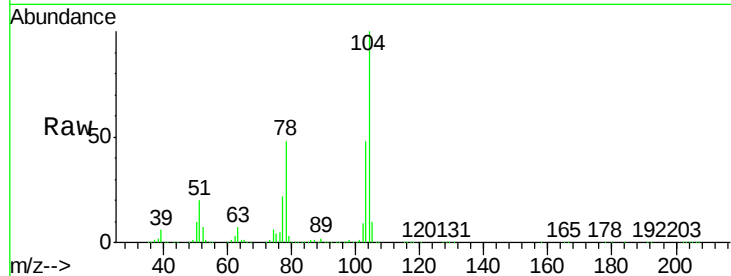
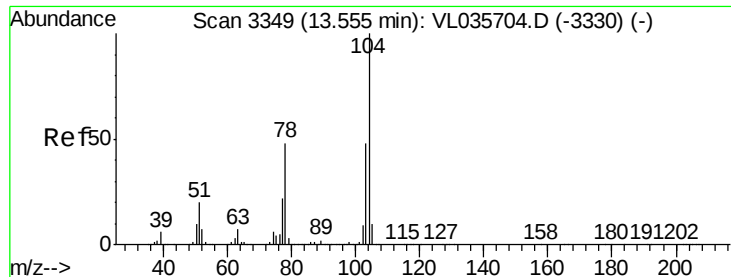
MMDadoda
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#60
o-Xylene
Concen: 10.416 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 4413352
Ion Ratio Lower Upper
91 100
106 50.0 25.0 75.0





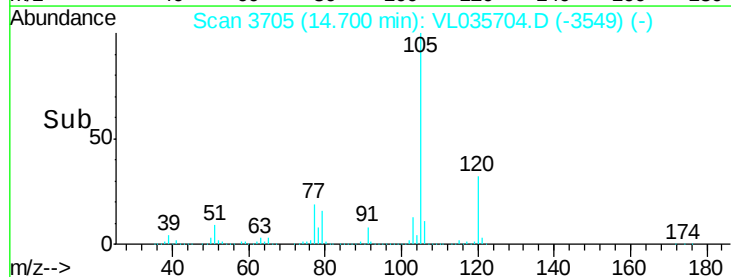
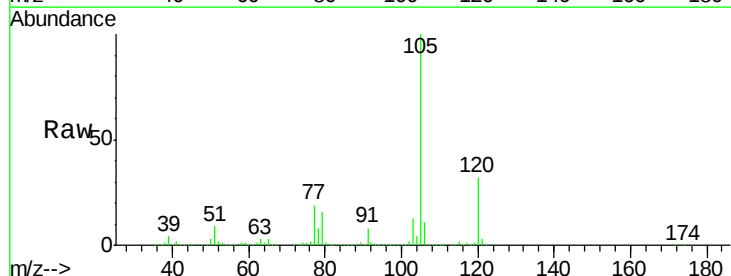
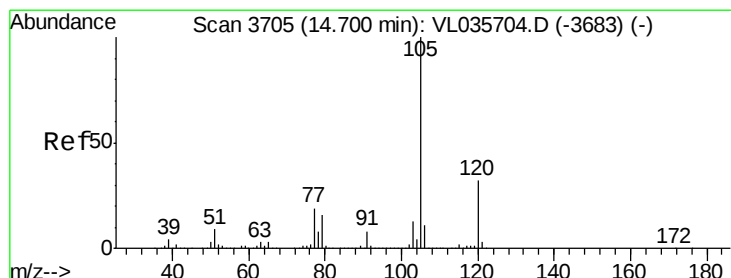
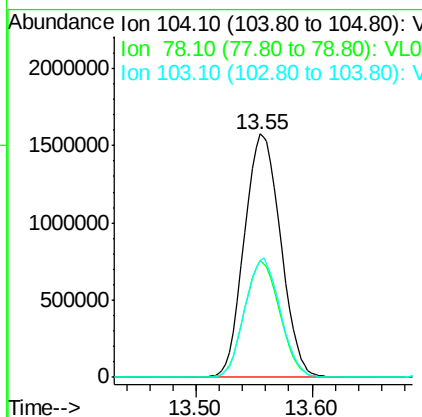
#61
Stvrene
Concen: 10.761 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tot Ion:104 Resp: 3443455
Ion Ratio Lower Upper
104 100
78 46.5 37.2 55.8
103 47.7 38.2 57.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

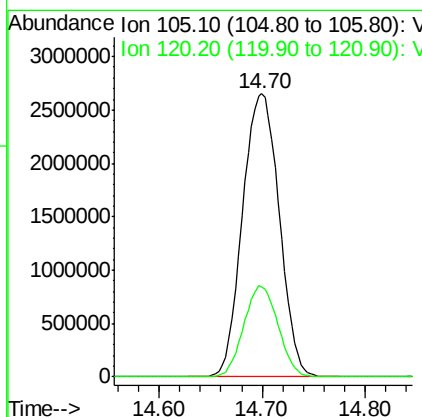
Manual Integrations
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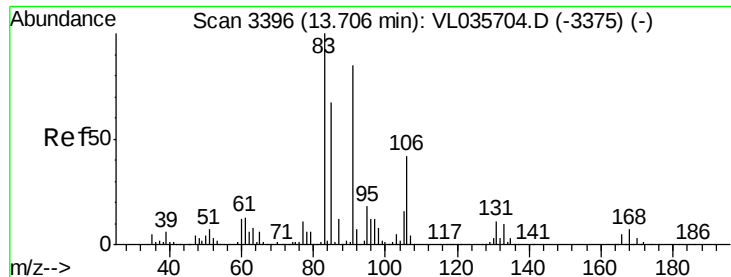
MMDadoda
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#62
Isopropylbenzene
Concen: 9.718 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:105 Resp: 6557498
Ion Ratio Lower Upper
105 100
120 30.1 24.1 36.1





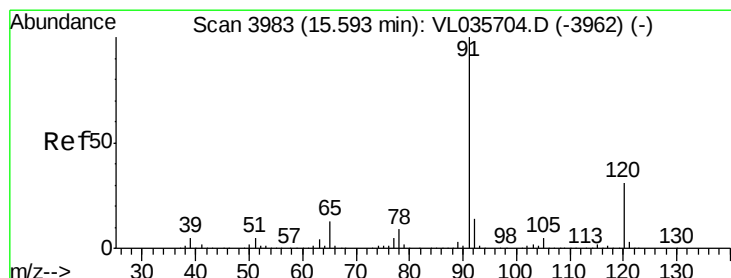
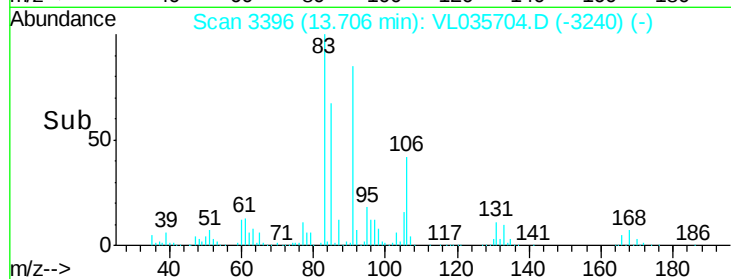
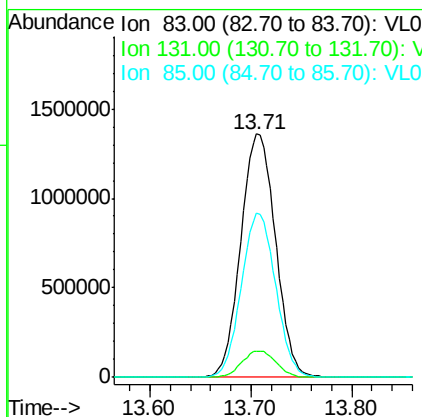
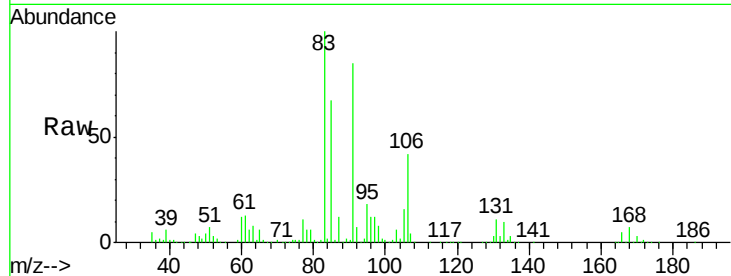
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.907 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 3248851
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 66.7 33.4 100.2

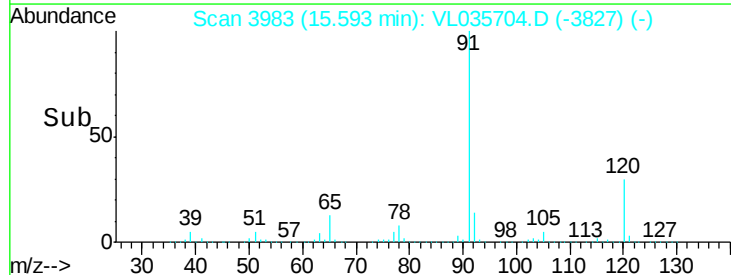
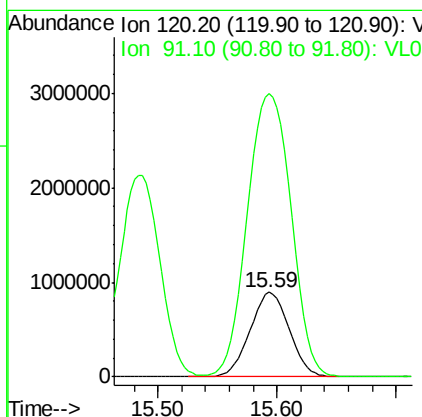
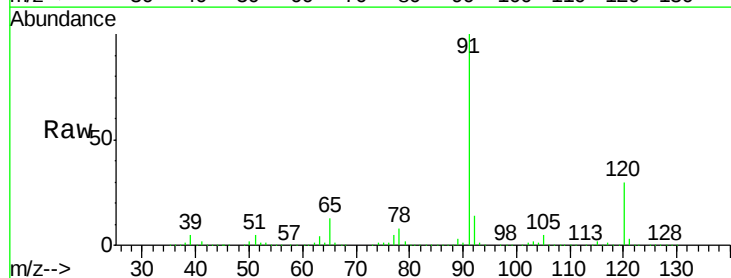
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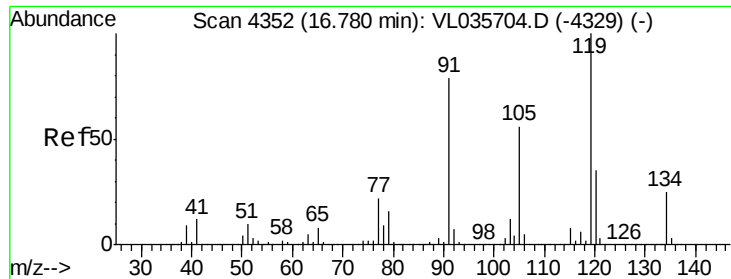
MMDadoda
 9/24/2020 1:35:10 PM



#64
 n-propylbenzene
 Concen: 9.979 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:120 Resp: 2038869
 Ion Ratio Lower Upper
 120 100
 91 375.7 300.4 450.6





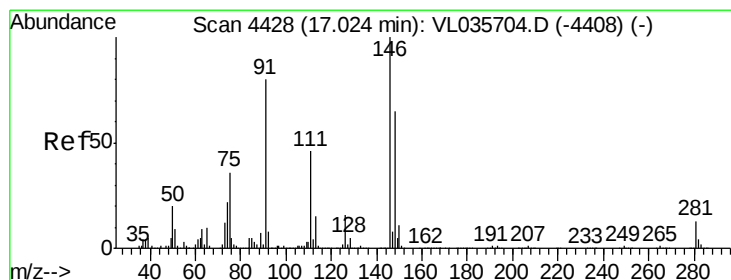
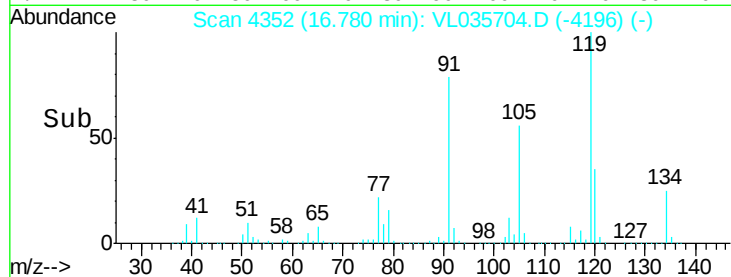
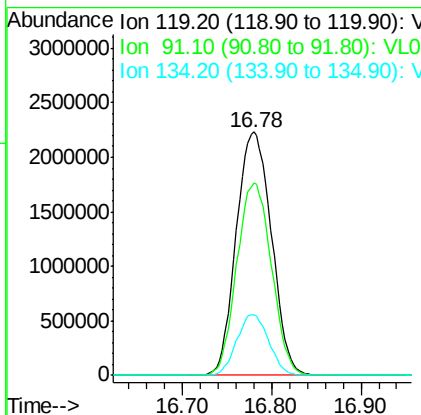
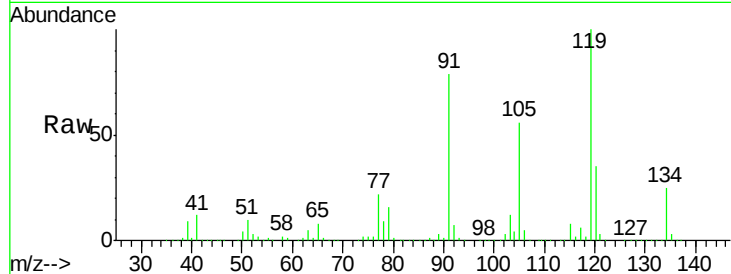
#65
tert-Butylbenzene
Concen: 9.771 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.0	62.4	93.6
134	22.7	18.2	27.2

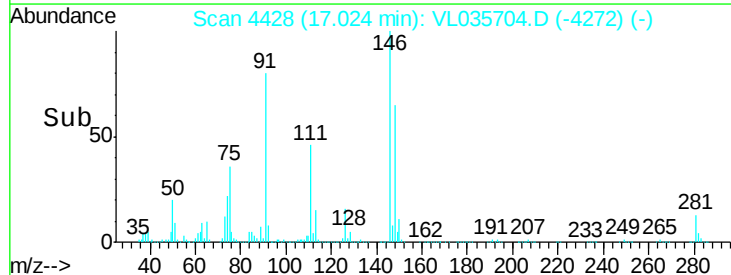
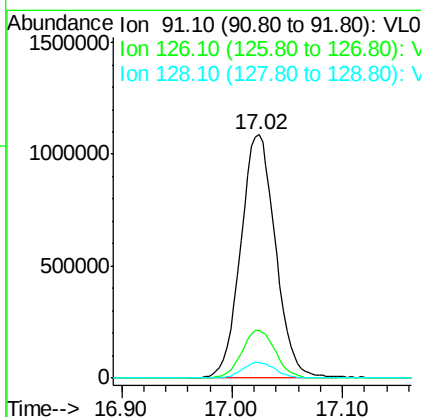
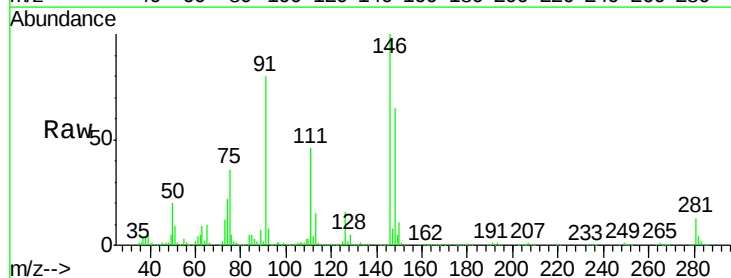
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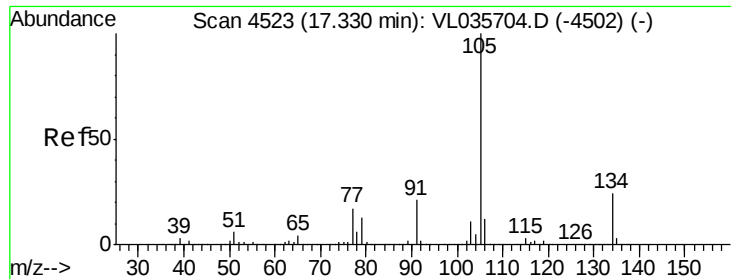
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#66
Benzyl Chloride
Concen: 14.771 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.1	15.3	22.9
128	6.2	5.0	7.4





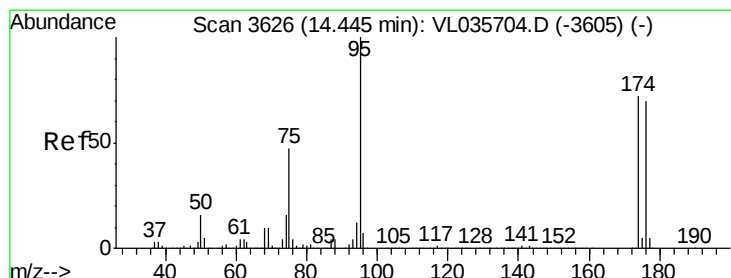
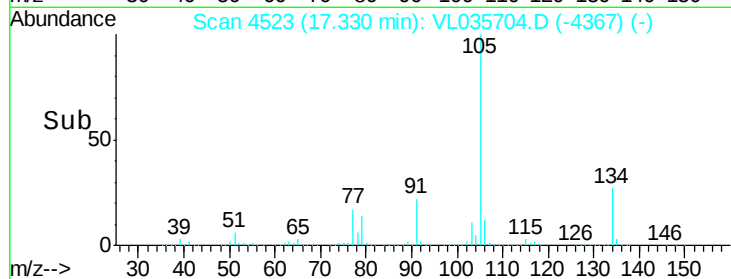
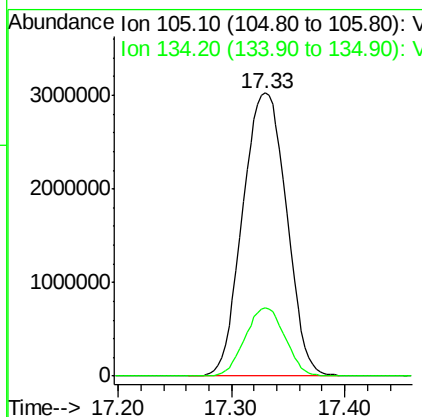
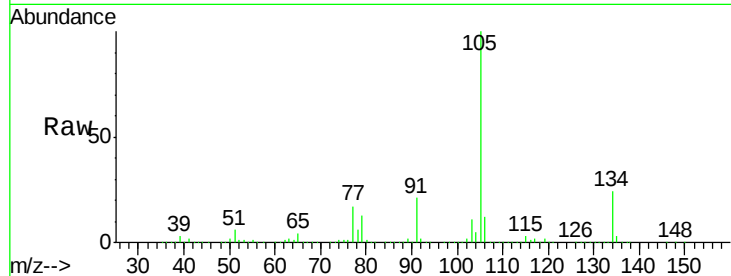
#67
 sec-Butylbenzene
 Concen: 9.728 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 8142435
 Ion Ratio Lower Upper
 105 100
 134 22.0 17.6 26.4

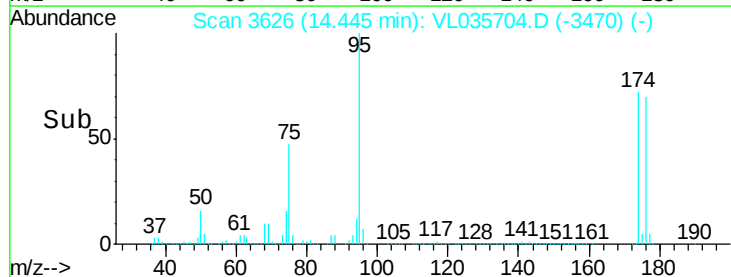
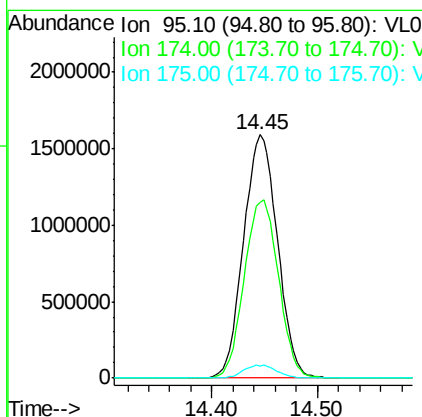
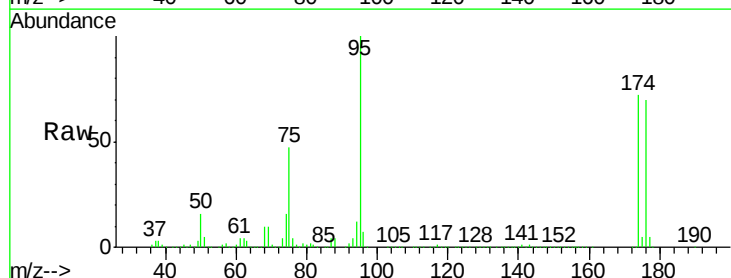
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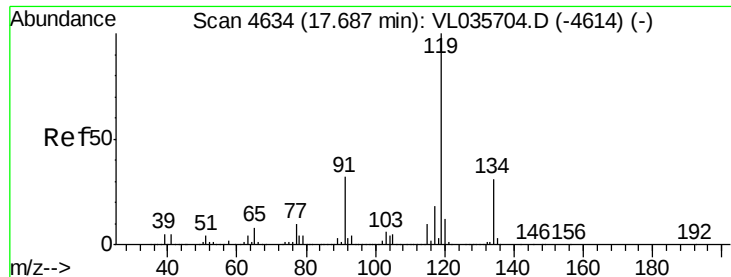
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.417 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion: 95 Resp: 3570550
 Ion Ratio Lower Upper
 95 100
 174 74.4 59.6 89.4
 175 5.3 4.2 6.4





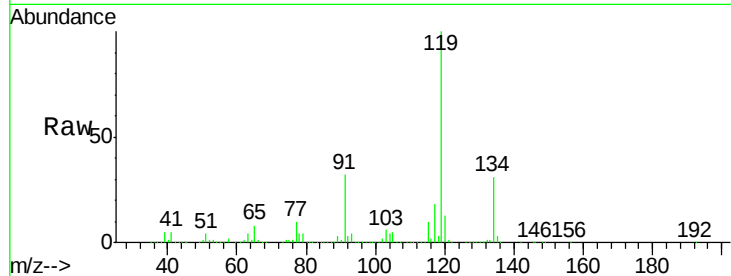
#69
p-Isopropyltoluene
Concen: 9.528 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

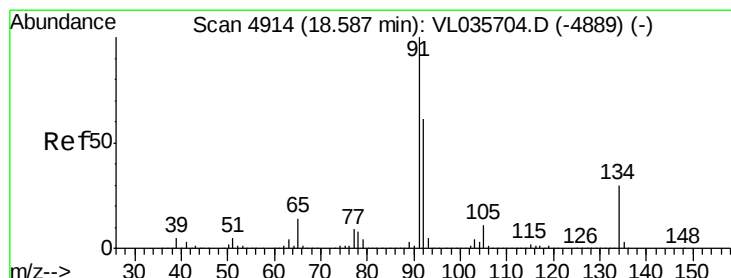
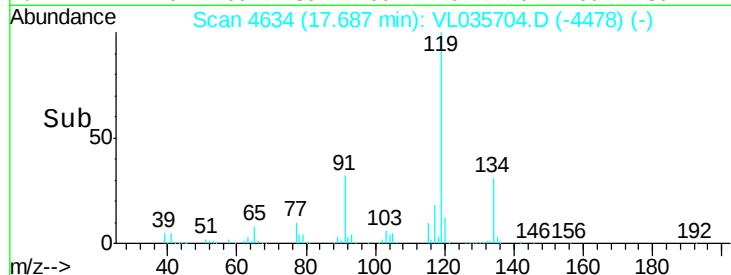
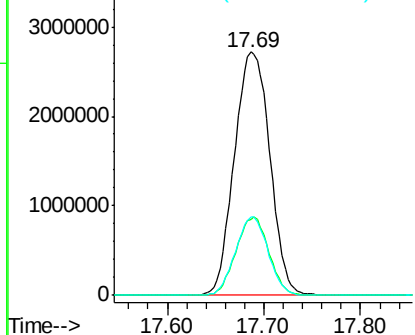
Tot Ion: 119 Resp: 6932326
Ion Ratio Lower Upper
119 100
134 29.9 23.9 35.9
91 29.7 23.8 35.6

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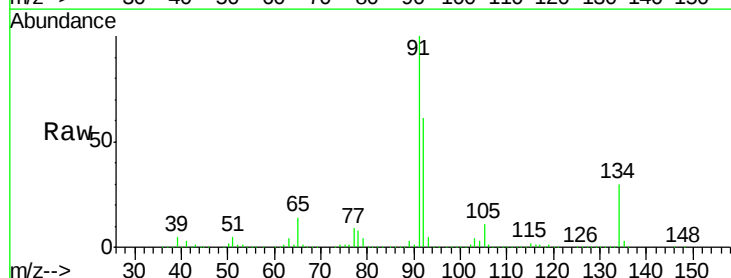


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

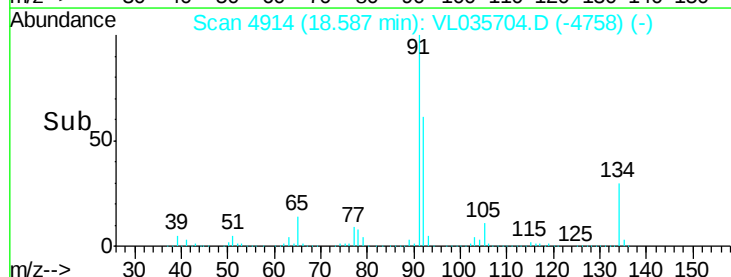
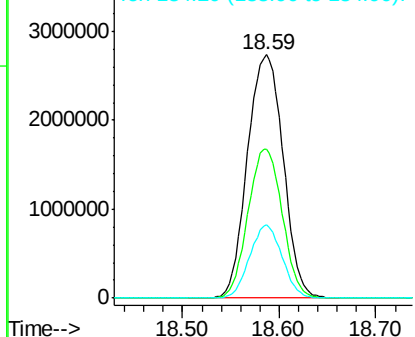


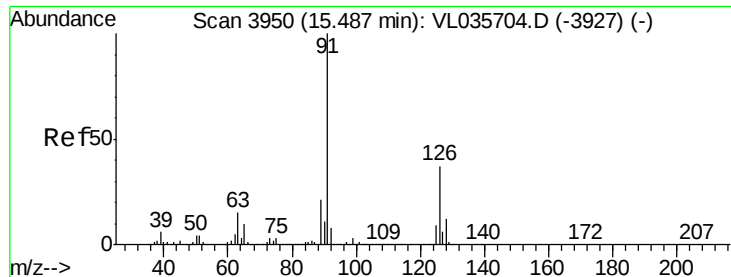
#70
n-Butylbenzene
Concen: 9.919 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion: 91 Resp: 7018194
Ion Ratio Lower Upper
91 100
92 58.7 47.0 70.4
134 27.4 21.9 32.9



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: 10.301 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5083590

Ion Ratio Lower Upper

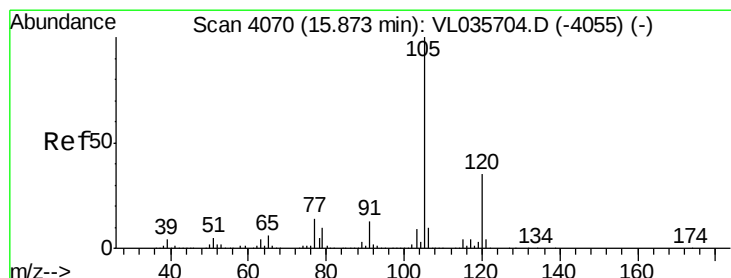
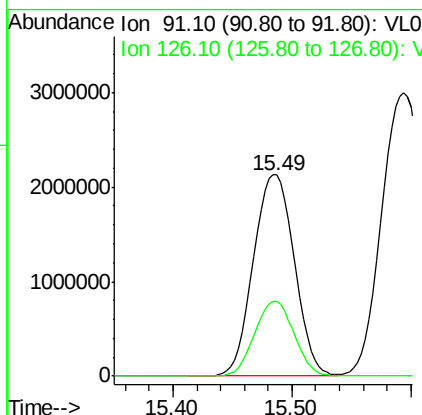
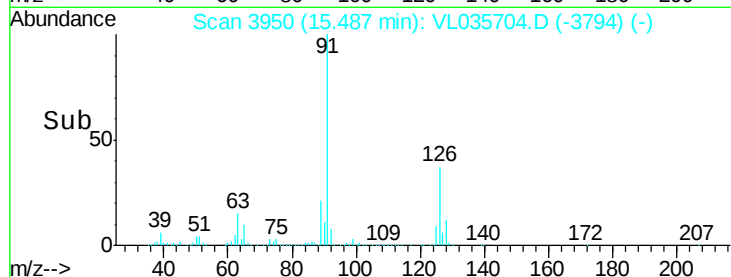
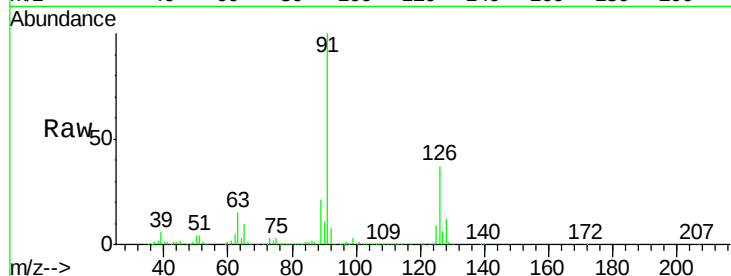
91 100

126 35.9 14.4 57.4

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#72

4-Ethyltoluene

Concen: 10.192 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Tgt Ion: 105 Resp: 5433355

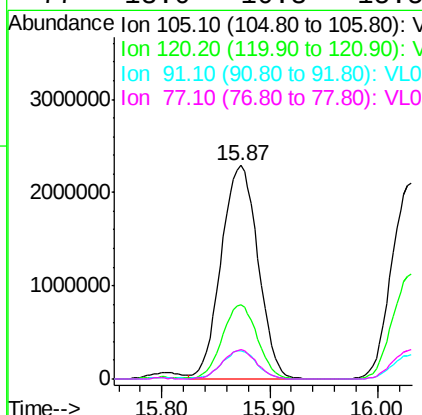
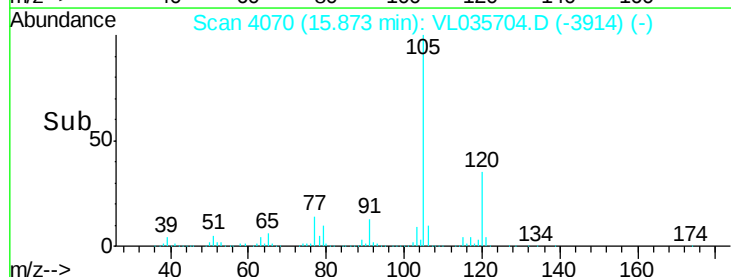
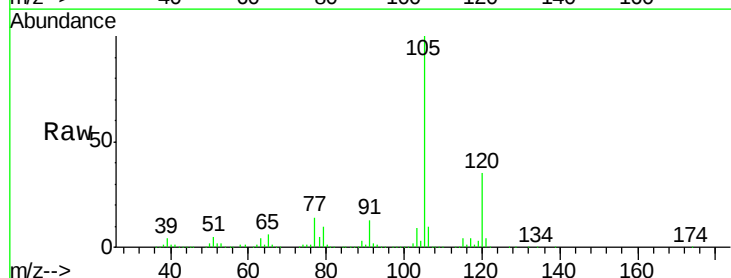
Ion Ratio Lower Upper

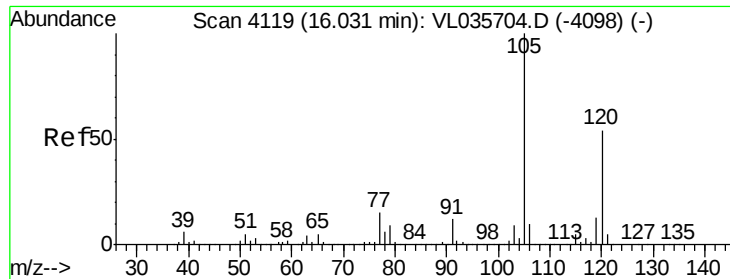
105 100

120 33.1 26.5 39.7

91 12.6 10.2 15.2

77 13.0 10.3 15.5





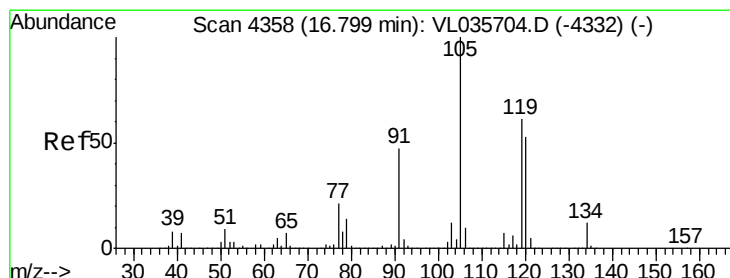
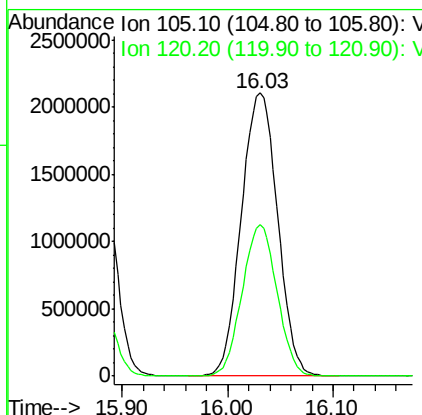
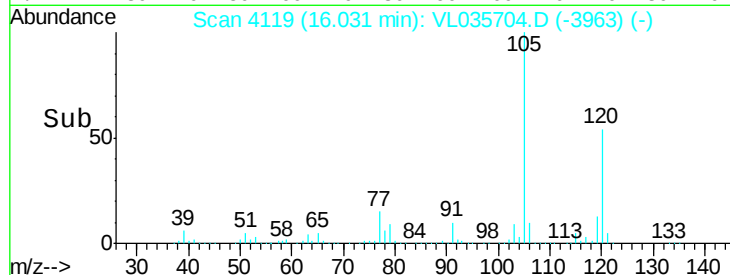
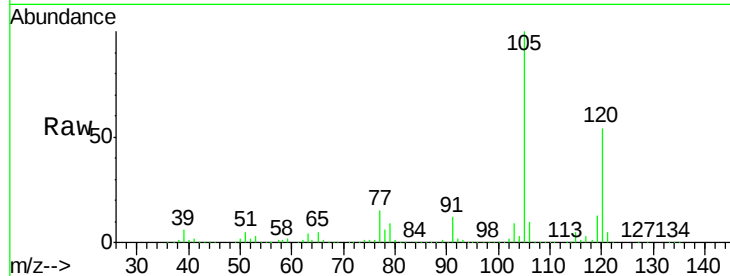
#73
 1,3,5-Trimethylbenzene
 Concen: 10.195 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 5031873
 Ion Ratio Lower Upper
 105 100
 120 53.7 43.0 64.4

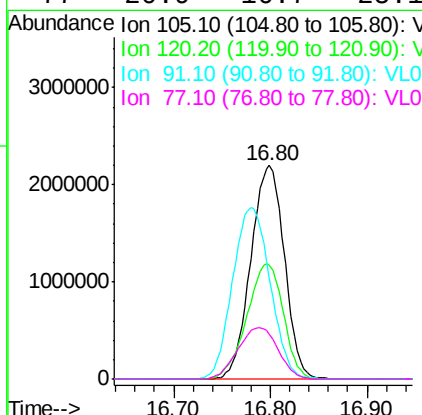
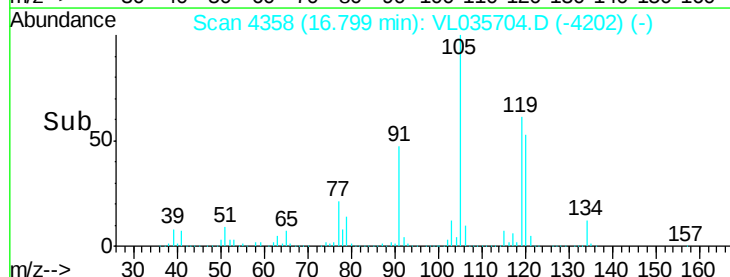
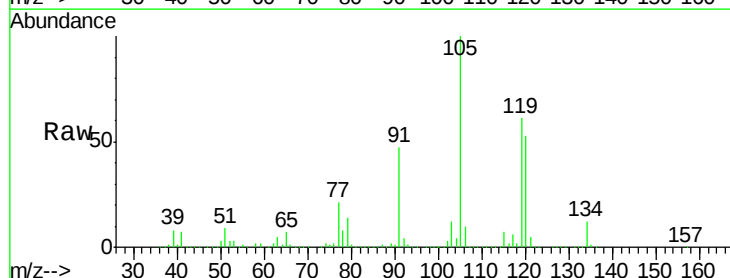
Manual Integrations
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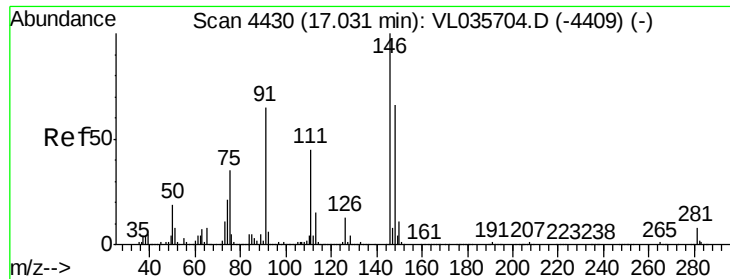
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.769 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion:105 Resp: 5300523
 Ion Ratio Lower Upper
 105 100
 120 53.1 42.5 63.7
 91 47.1 37.7 56.5
 77 20.9 16.7 25.1





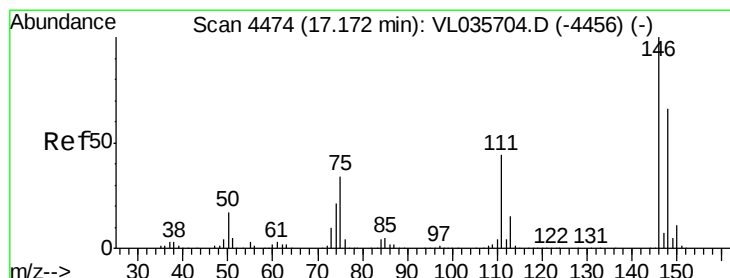
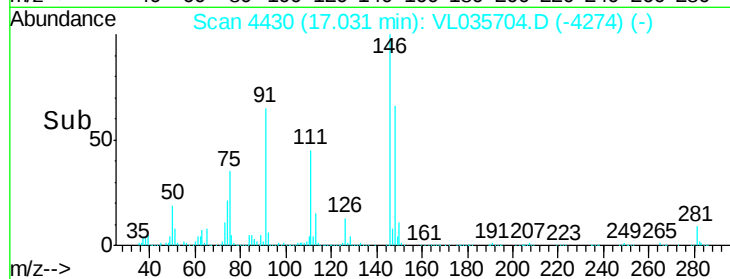
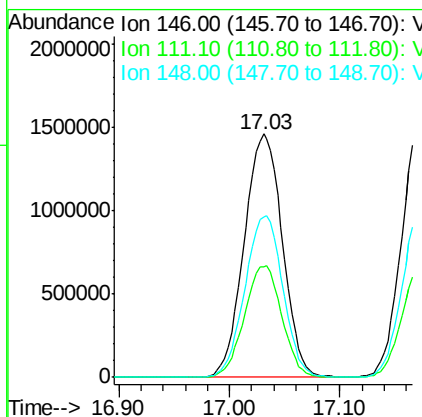
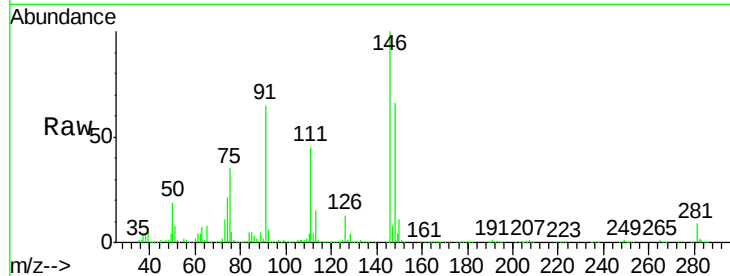
#75
 1,3-Dichlorobenzene
 Concen: 8.909 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	66.0	33.0	99.0

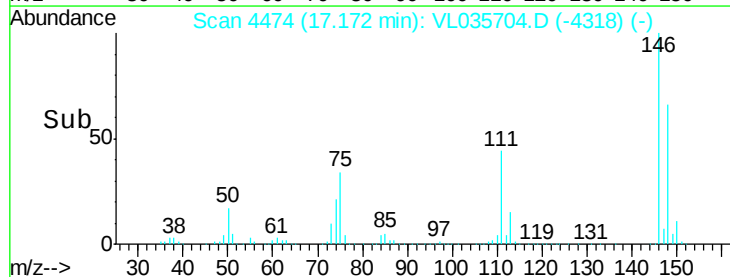
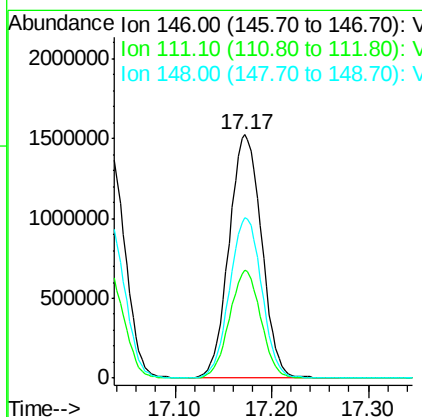
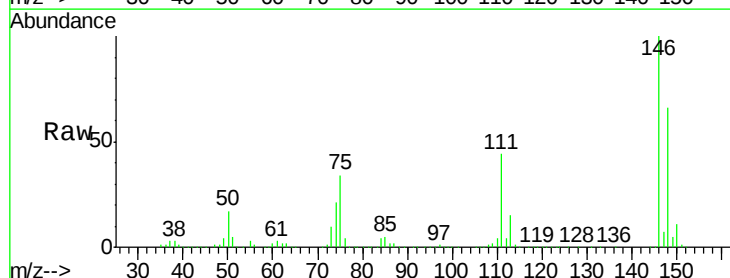
Manual Integrations
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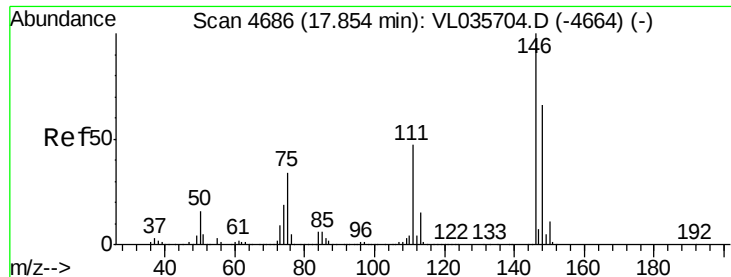
MMDadoda
 9/24/2020 1:35:10 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.164 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	65.3	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 9.013 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 3437867

Ion Ratio Lower Upper

146 100

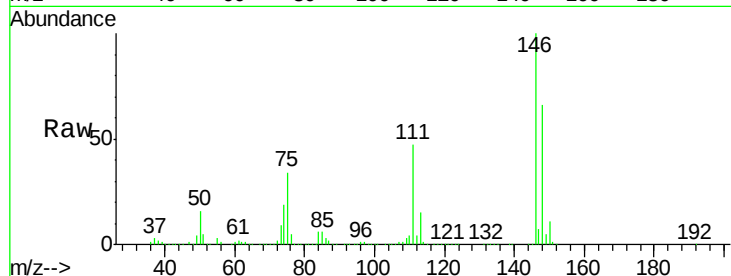
111 45.7 22.9 68.5

148 65.3 32.6 98.0

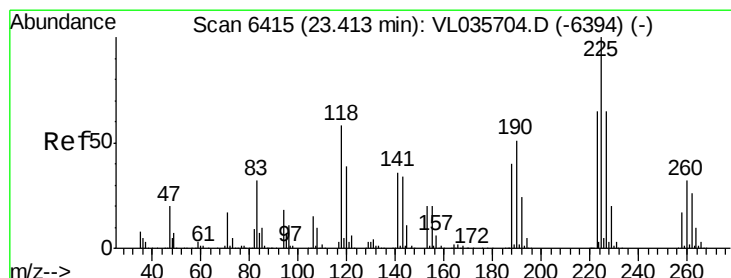
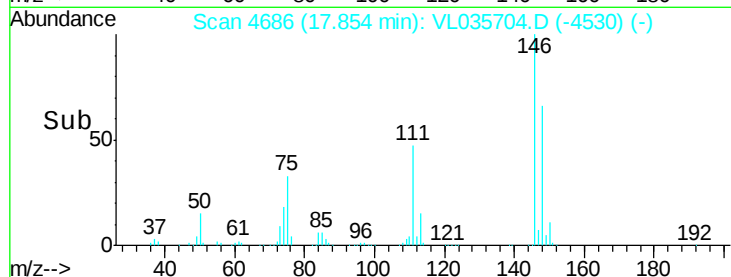
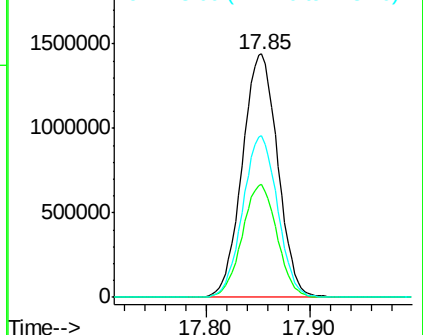
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.066 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. 0.00 min

Lab File: VL035704.D

Acq: 23 Sep 2020 3:21

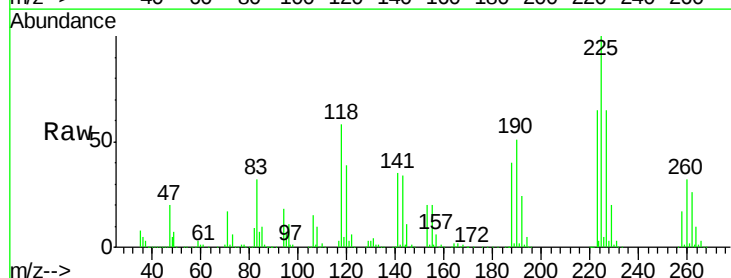
Tgt Ion:225 Resp: 1924960

Ion Ratio Lower Upper

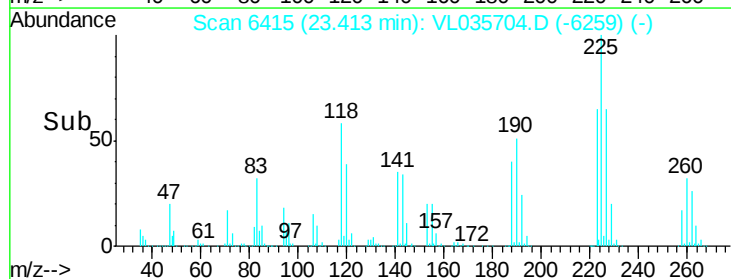
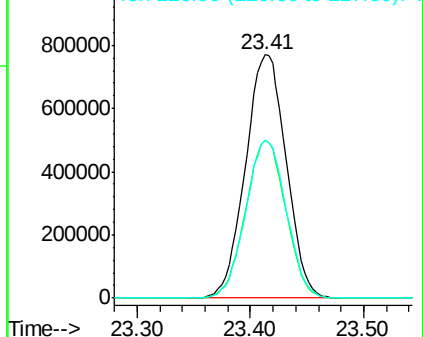
225 100

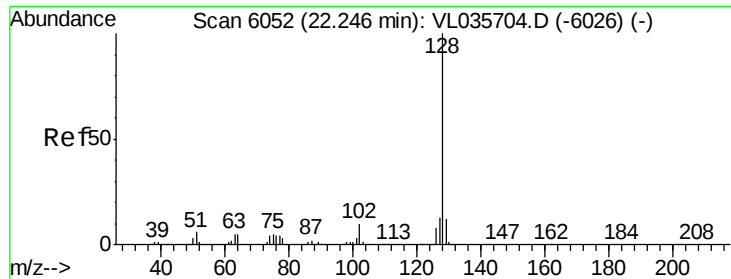
223 64.1 51.3 76.9

227 64.5 51.6 77.4



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





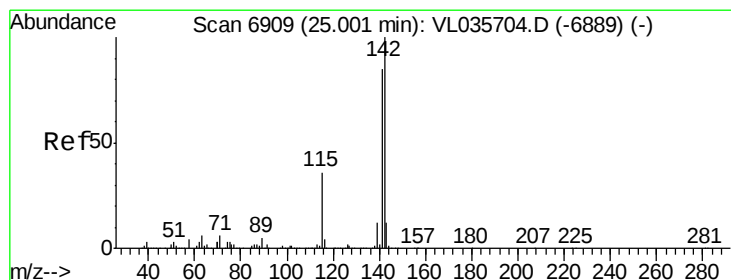
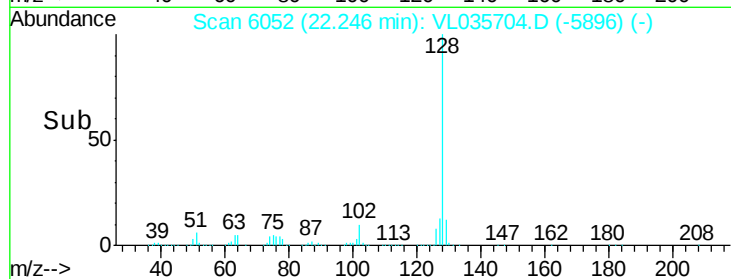
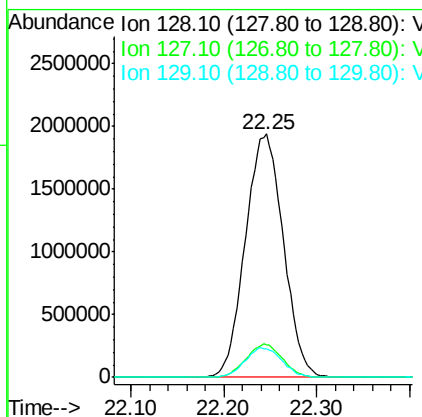
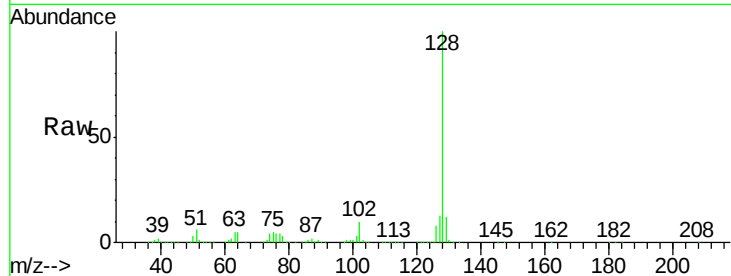
#79
Naphthalene
Concen: 9.472 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:128 Resp: 5517860
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.7 9.4 14.0

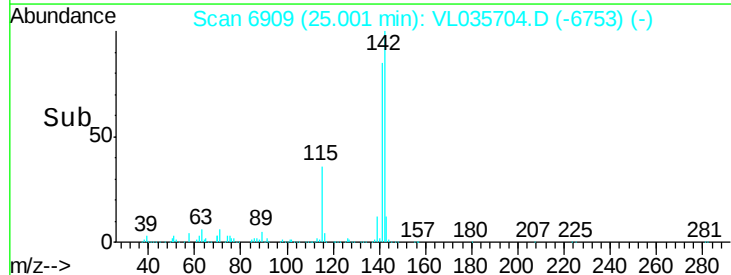
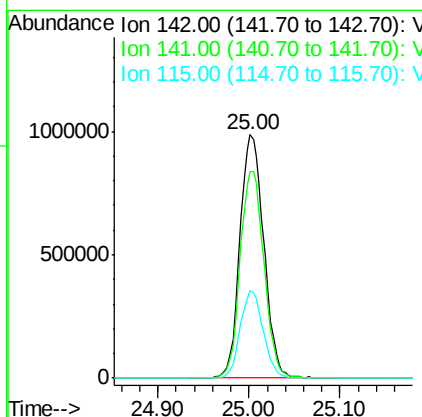
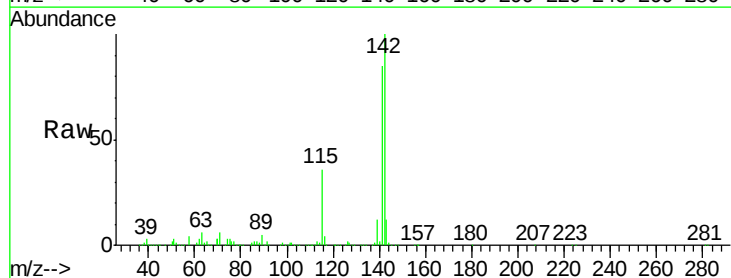
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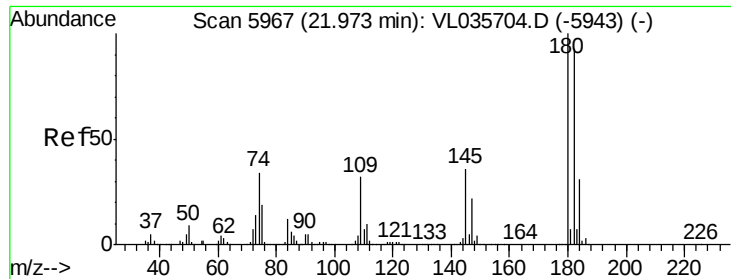
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#80
Naphthalene, 2-methyl-
Concen: 9.476 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.00 min
Lab File: VL035704.D
Acq: 23 Sep 2020 3:21

Tgt Ion:142 Resp: 1796809
Ion Ratio Lower Upper
142 100
141 85.5 68.2 102.4
115 34.8 27.8 41.6





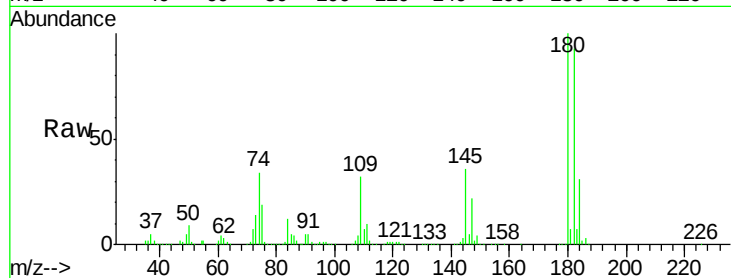
#81
 1,2,4-Trichlorobenzene
 Concen: 8.132 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.00 min
 Lab File: VL035704.D
 Acq: 23 Sep 2020 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.8	24.6	37.0

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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

