

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034774.D
 Acq On : 3 Mar 2020 21:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 4:49:30 PM

Quant Time: Mar 04 08:03:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1167807	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2476420	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2575237m	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069607	9.80	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1342178	7.286 ppbv	93
3) Chlorodifluoromethane	2.97	51	1184350	9.397 ppbv	98
4) Chloromethane	3.12	50	700352	9.927 ppbv	97
5) Vinyl Chloride	3.24	62	639541	9.241 ppbv	93
6) Bromomethane	3.46	94	374054	9.225 ppbv	97
7) Chloroethane	3.54	64	238298	9.275 ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1417614	8.700 ppbv	98
9) Propene	2.99	41	532282	10.104 ppbv	100
10) Heptane	8.17	43	1384641	10.211 ppbv	98
11) Trichlorofluoromethane	3.94	101	1433564	8.884 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	995250	8.750 ppbv	98
13) Ethanol	3.60	45	160020	9.615 ppbv	95
14) Bromoethene	3.73	108	445250	9.382 ppbv	99
15) Acetone	3.84	43	1259248	9.463 ppbv	100
16) 1,3-Butadiene	3.31	39	619320	10.054 ppbv	94
17) tert-Butyl alcohol	4.29	59	1164755	11.422 ppbv	99
18) 1,1-Dichloroethene	4.29	96	458618	8.981 ppbv	94
19) Isopropyl Alcohol	3.96	45	883059	11.141 ppbv	99
20) Methylene Chloride	4.34	84	398210	8.046 ppbv	92
21) Allyl Chloride	4.41	41	824813	9.368 ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	459891	9.237 ppbv	100
23) Vinyl Acetate	5.09	43	1968802	10.883 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1317355	9.118 ppbv	99
25) Ethyl Acetate	5.70	43	2296294	9.748 ppbv	99
26) Hexane	5.71	57	1016302	9.361 ppbv	97
27) Carbon Disulfide	4.55	76	1165519	9.457 ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1525093	9.833 ppbv	98
29) Chloroform	5.77	83	1563507	9.039 ppbv	95
30) Cyclohexane	7.17	84	847407	10.071 ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1074280	10.055 ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1501802	9.297 ppbv	99
34) 2-Butanone	5.26	43	1564167	10.035 ppbv	99
35) Carbon Tetrachloride	7.06	117	1532734	9.242 ppbv	98
36) Benzene	6.93	78	2053598	9.601 ppbv	96
37) 1,2-Dichloroethane	6.34	62	1263977	9.375 ppbv	100
38) Trichloroethene	7.88	130	764027	9.267 ppbv	96
39) 1,2-Dichloropropane	7.66	63	814696	9.574 ppbv	96
40) 1,4-Dioxane	7.87	88	304725	10.530 ppbv	# 1
41) Tetrahydrofuran	6.07	42	884929	10.756 ppbv	97
42) Bromodichloromethane	7.84	83	1669065	9.456 ppbv	98
43) Methyl Methacrylate	8.06	69	946424	10.520 ppbv	97

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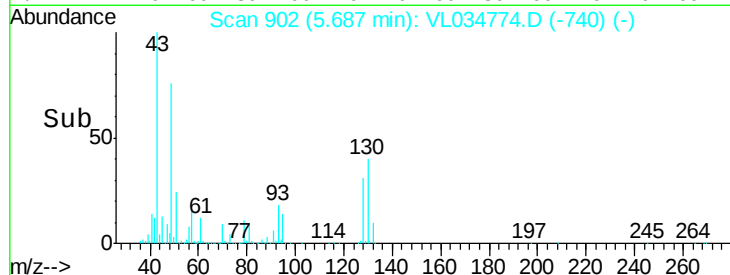
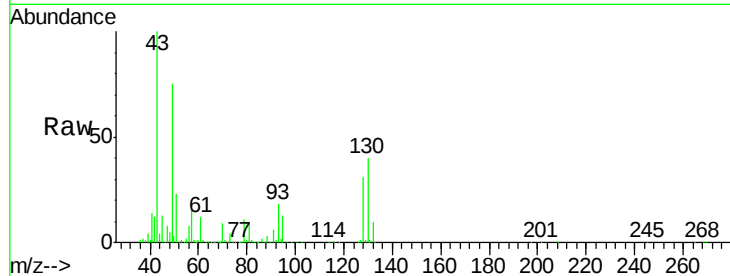
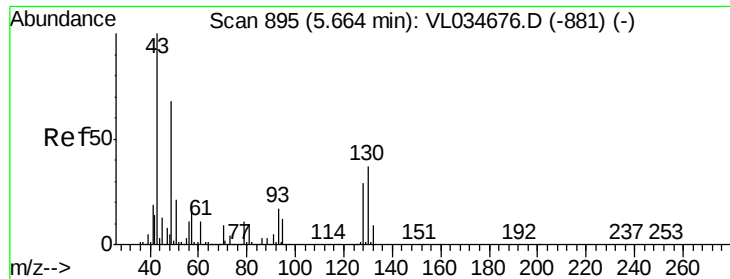
Manual Integrations
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Quant Time: Mar 04 08:03:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3536063	9.459	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1090356	11.107	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1264505	10.740	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	824926	9.449	ppbv	97
48) Dibromochloromethane	10.36	129	1342262	9.888	ppbv	99
49) Bromoform	13.11	173	1162636	9.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2261170	10.242	ppbv	99
51) 2-Hexanone	10.19	43	1858113	10.695	ppbv #	99
52) Tetrachloroethene	11.29	164	707059	9.019	ppbv	98
53) Toluene	9.86	91	2299748	10.109	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1243725	9.550	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	983065	8.963	ppbv #	58
57) Chlorobenzene	12.21	112	1679628	8.824	ppbv	96
58) Ethyl Benzene	12.78	91	3037669	9.750	ppbv	100
59) m/p-Xylene	13.06	91	5029752m	18.509	ppbv	
60) o-Xylene	13.76	91	2454750	9.103	ppbv	100
61) Styrene	13.60	104	1761726	10.171	ppbv	98
62) Isopropylbenzene	14.74	105	3593104	9.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1722268	8.195	ppbv	99
64) n-propylbenzene	15.64	120	917392	9.046	ppbv	91
65) tert-Butylbenzene	16.82	119	3091004	9.100	ppbv	100
66) Benzyl Chloride	17.07	91	1380770	10.898	ppbv	99
67) sec-Butylbenzene	17.37	105	4420114	9.043	ppbv	99
69) p-Isopropyltoluene	17.73	119	3671354	9.125	ppbv	100
70) n-Butylbenzene	18.63	91	3992924	9.114	ppbv	100
71) 2-Chlorotoluene	15.53	91	2804016	9.204	ppbv	100
72) 4-Ethyltoluene	15.91	105	2889756	9.628	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2729431	9.453	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	2814100	8.825	ppbv	92
75) 1,3-Dichlorobenzene	17.08	146	1608809	8.741	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1622961	8.813	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1596708	8.973	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1431686	9.240	ppbv	99
79) Naphthalene	22.30	128	2913229	10.381	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1296777	14.982	ppbv	96
81) 1,2,4-Trichlorobenzene	22.03	180	1656158m	9.888	ppbv	

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



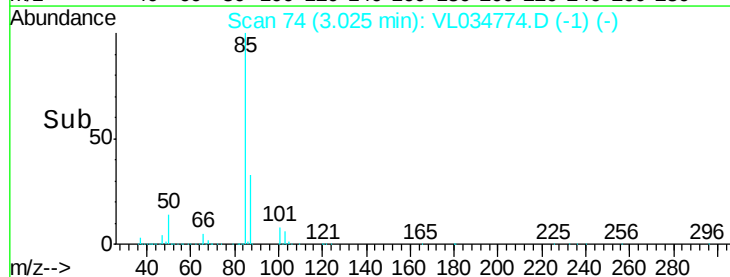
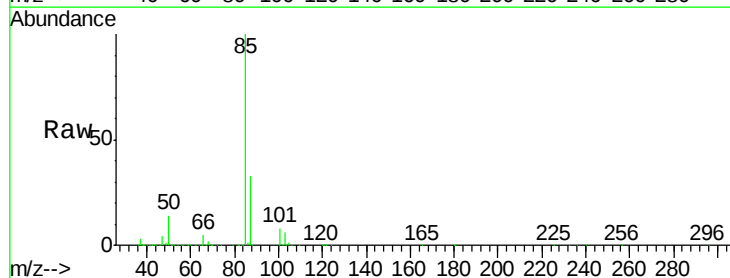
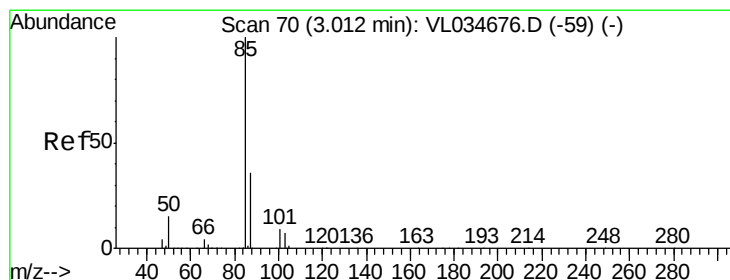
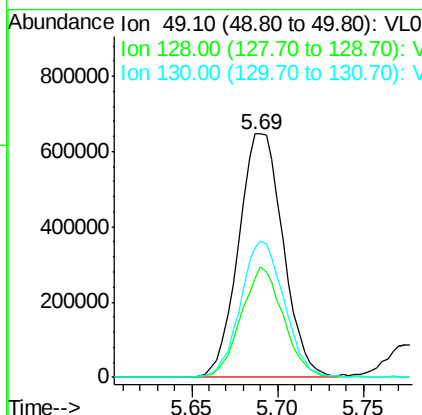
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tot Ion: 49 Resp: 1167807
Ion Ratio Lower Upper
49 100
128 43.0 21.6 65.0
130 55.1 27.7 83.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

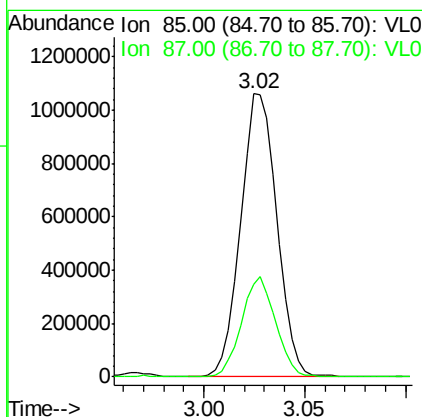
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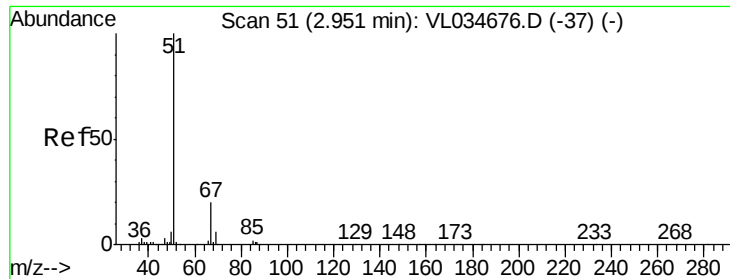
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#2
Dichlorodifluoromethane
Concen: 7.286 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 85 Resp: 1342178
Ion Ratio Lower Upper
85 100
87 32.6 29.2 43.8





#3

Chlorodifluoromethane

Concen: 9.397 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tot Ion: 51 Resp: 1184350

Ion Ratio Lower Upper

51 100

67 18.3 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

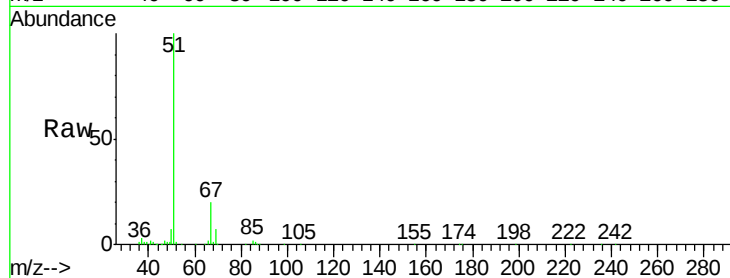
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Manual Integrations

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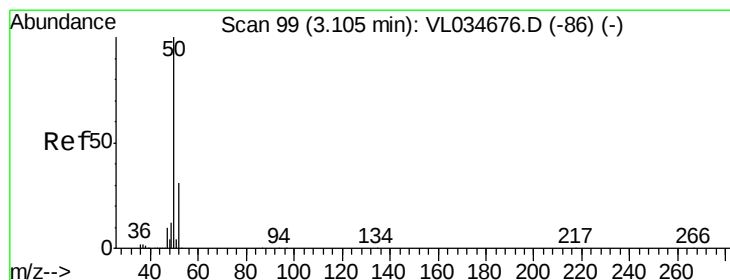
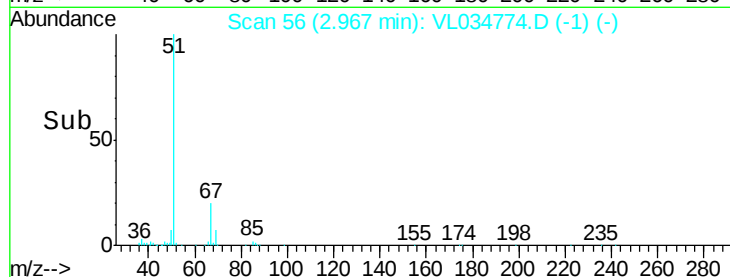
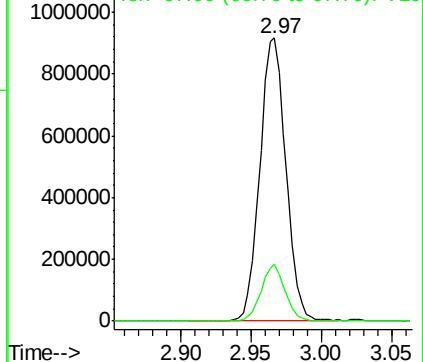
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.927 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034774.D

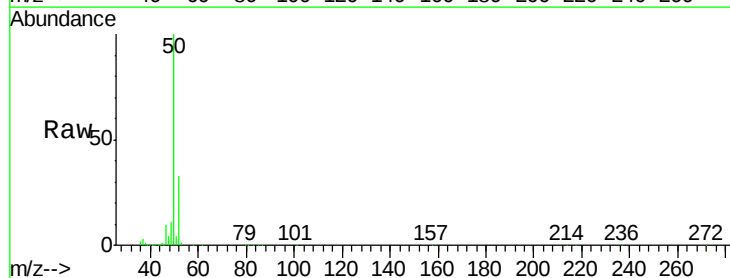
Acq: 3 Mar 2020 21:47

Tgt Ion: 50 Resp: 700352

Ion Ratio Lower Upper

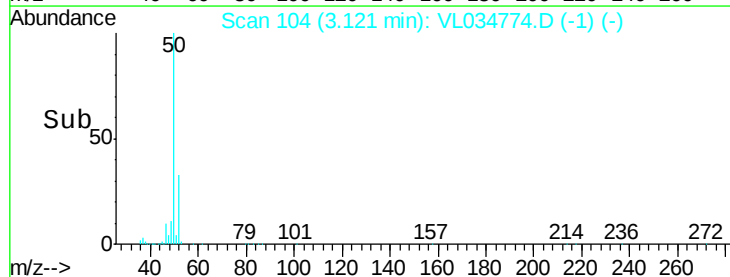
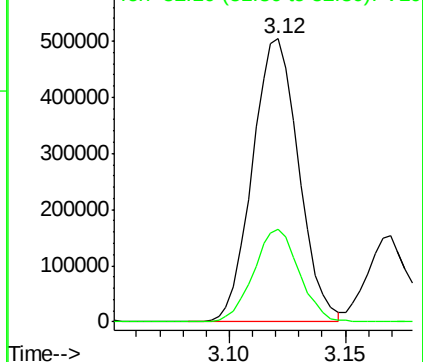
50 100

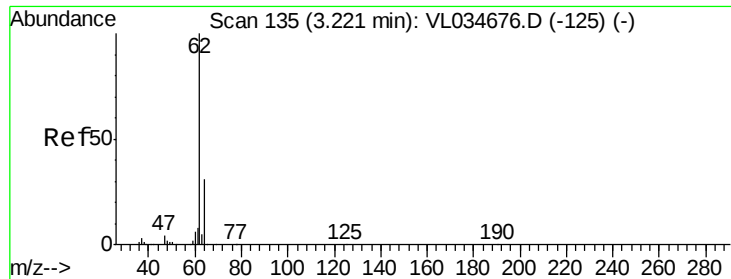
52 32.7 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.241 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 639541

Ion Ratio Lower Upper

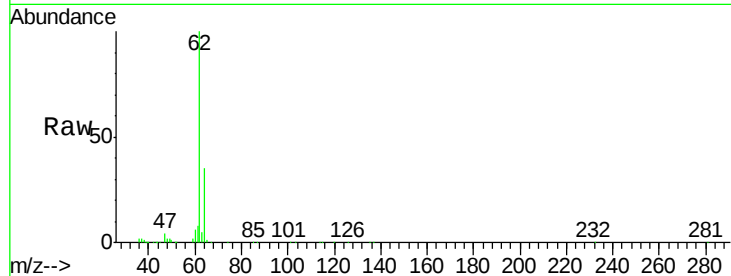
62 100

64 34.7 24.7 37.1

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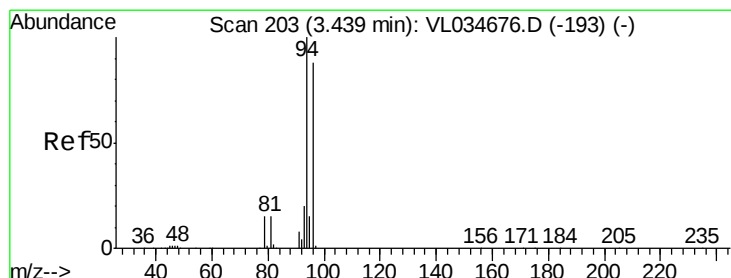
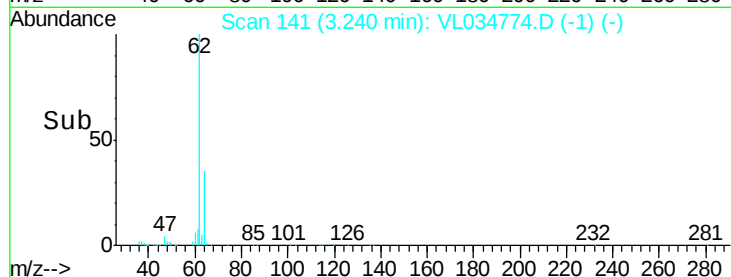
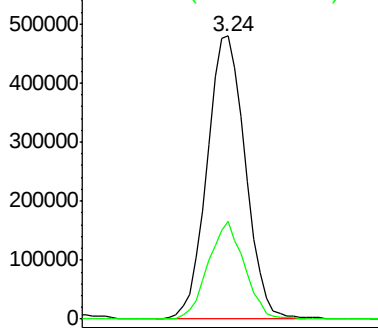
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.225 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034774.D

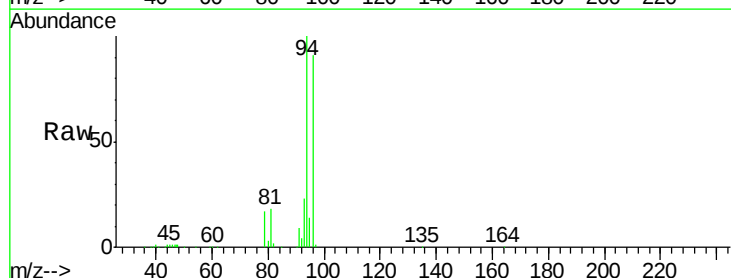
Acq: 3 Mar 2020 21:47

Tgt Ion: 94 Resp: 374054

Ion Ratio Lower Upper

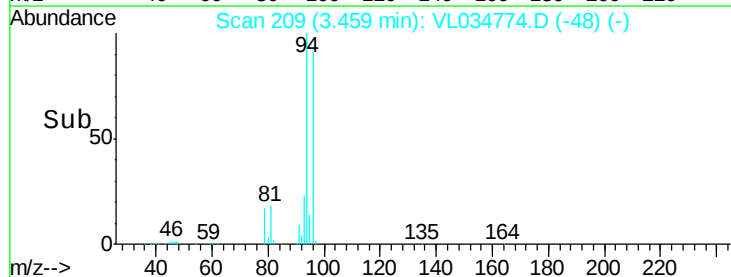
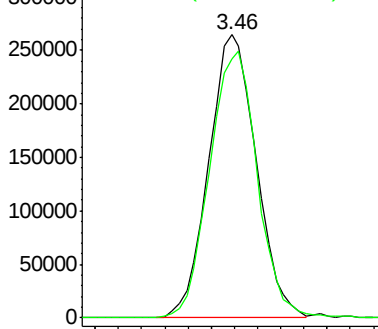
94 100

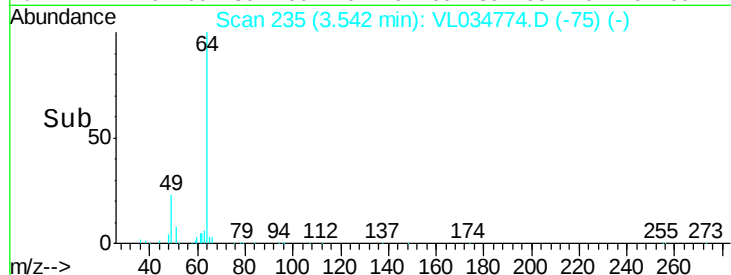
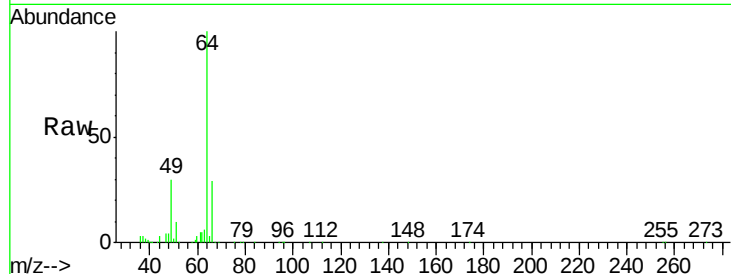
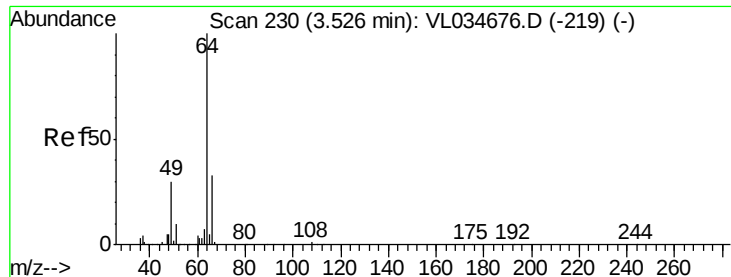
96 91.3 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.275 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tot Ion: 64 Resp: 238298

Ion Ratio Lower Upper

64 100

66 29.2 26.7 40.1

Instrument :

MSVOA_L

ClientSampleId :

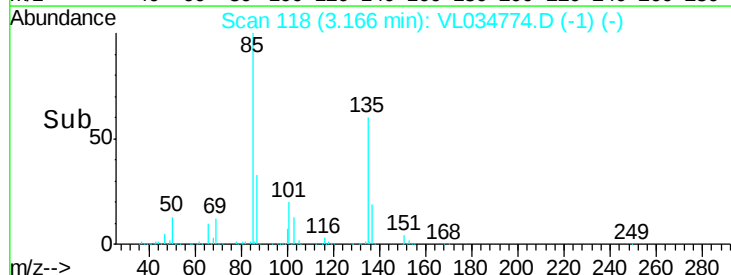
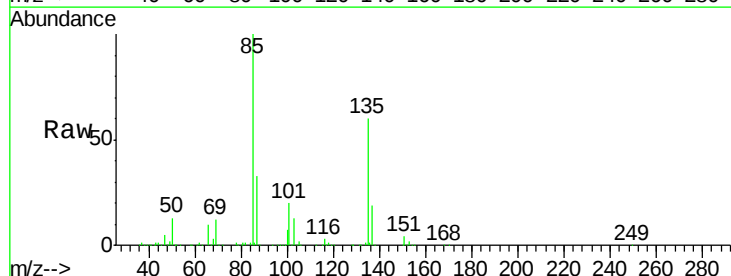
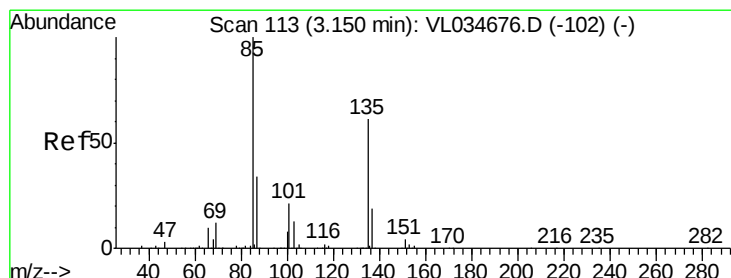
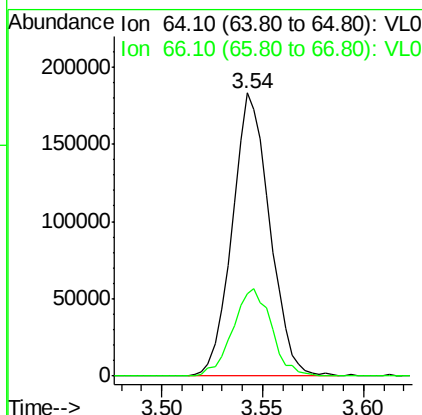
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#8

Dichlorotetrafluoroethane

Concen: 8.700 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL034774.D

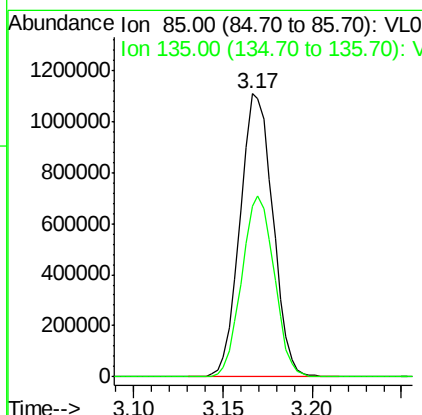
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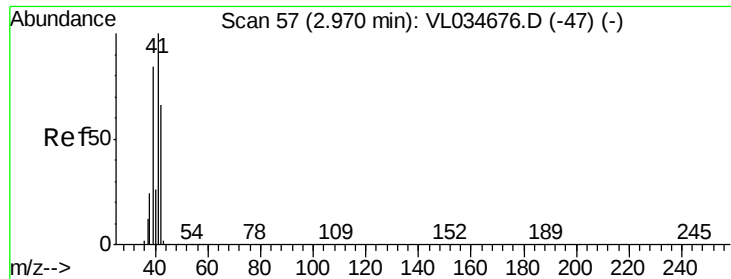
Tgt Ion: 85 Resp: 1417614

Ion Ratio Lower Upper

85 100

135 63.5 49.8 74.6





#9

Propene

Concen: 10.104 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 532282

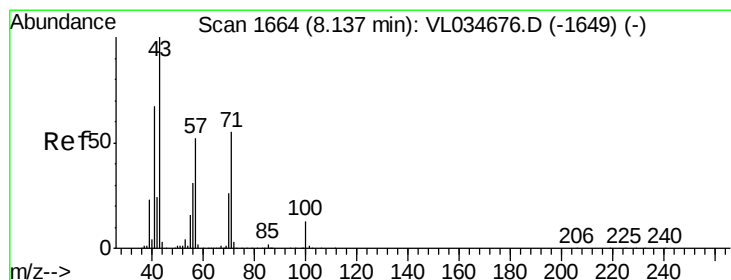
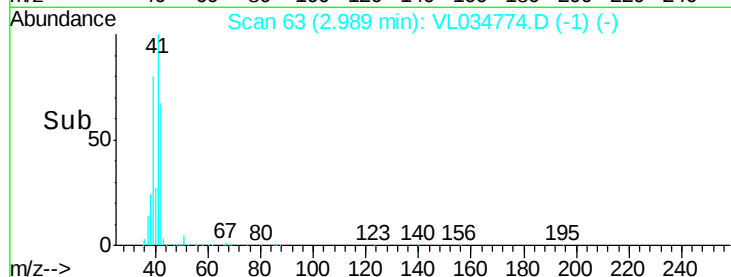
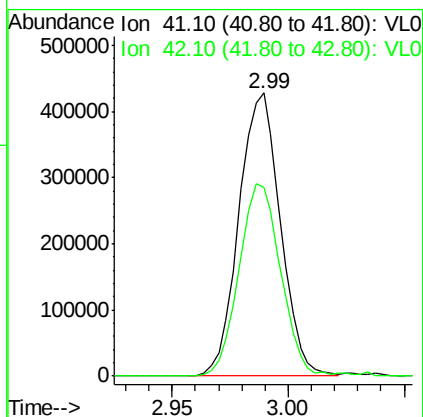
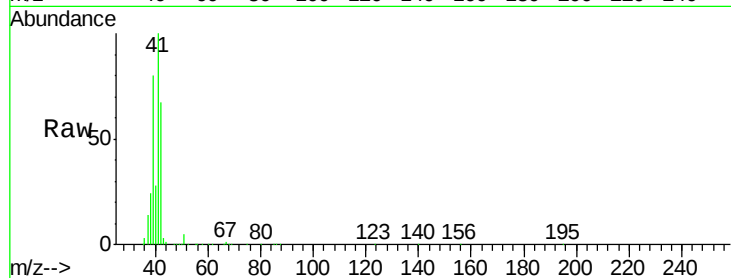
Ion Ratio Lower Upper

41 100

42 68.9 54.9 82.3

Manual Integrations
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#10

Heptane

Concen: 10.211 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.03 min

Lab File: VL034774.D

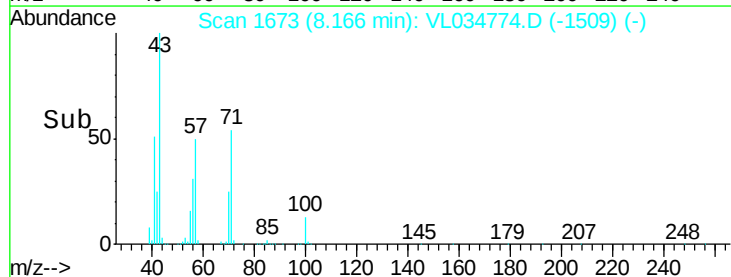
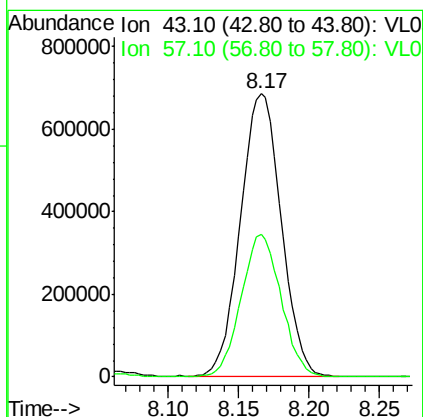
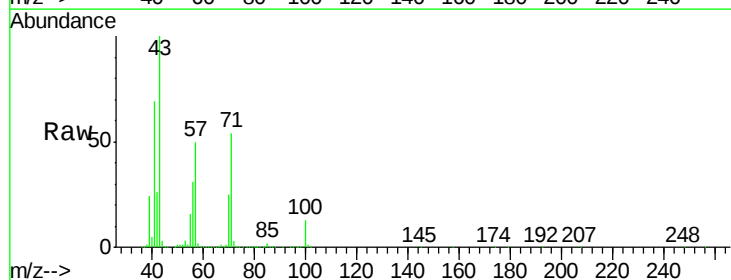
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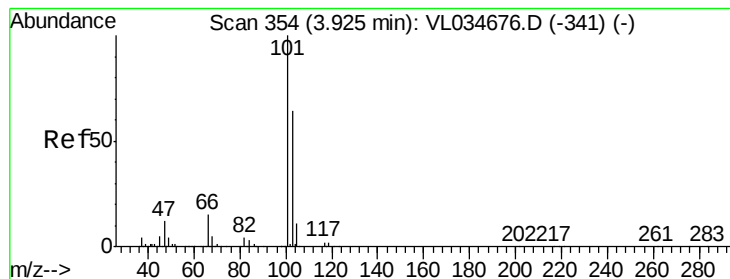
Tgt Ion: 43 Resp: 1384641

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.884 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1433564

Ion Ratio Lower Upper

101 100

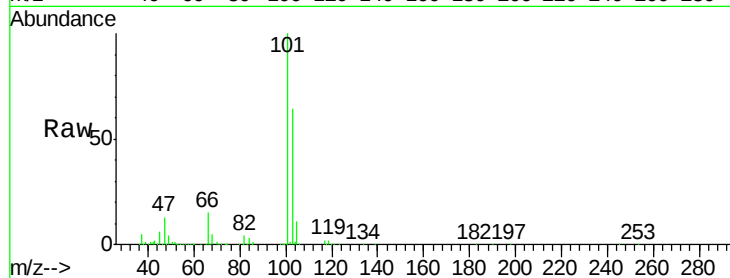
103 64.4 51.2 76.8

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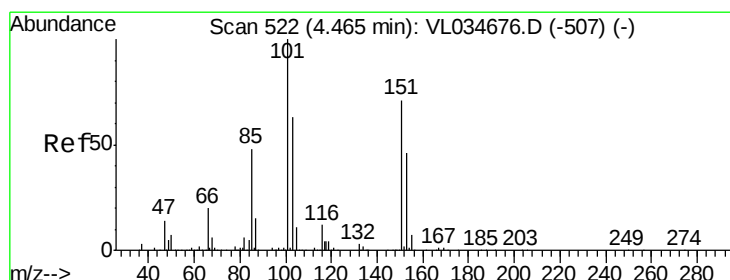
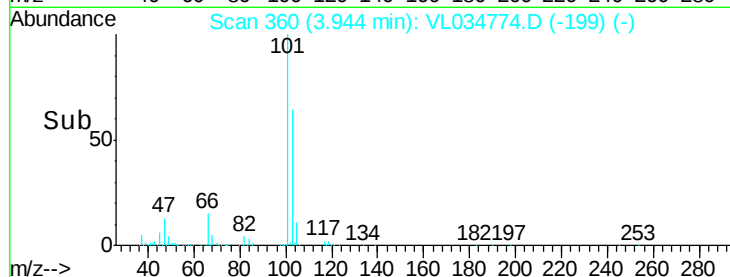
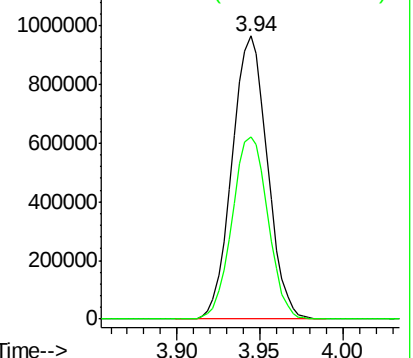
MMDadoda

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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: 8.750 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.02 min

Lab File: VL034774.D

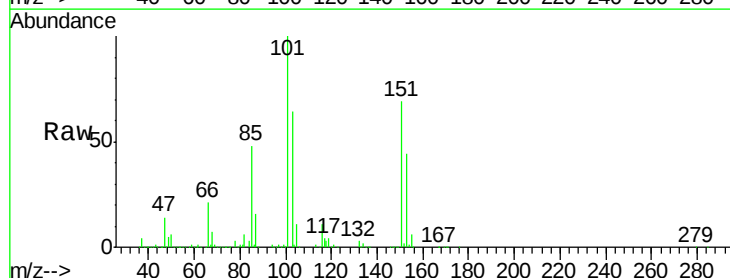
Acq: 3 Mar 2020 21:47

Tgt Ion:101 Resp: 995250

Ion Ratio Lower Upper

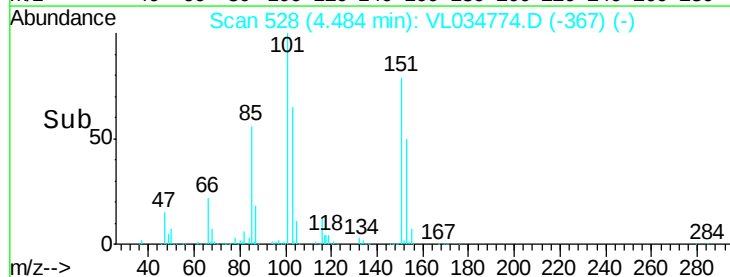
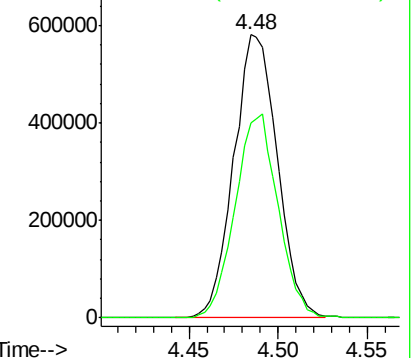
101 100

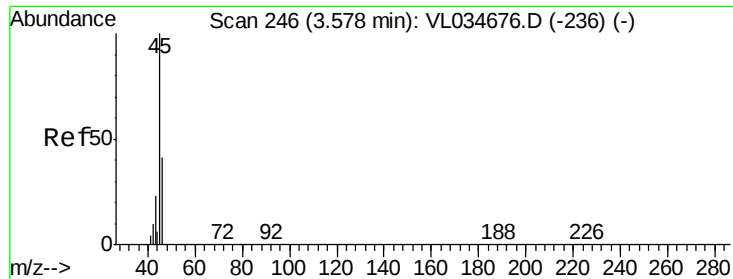
151 71.1 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





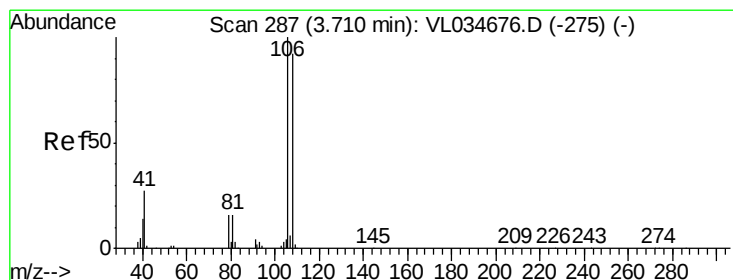
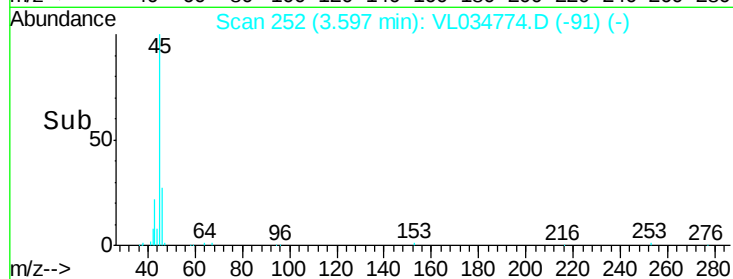
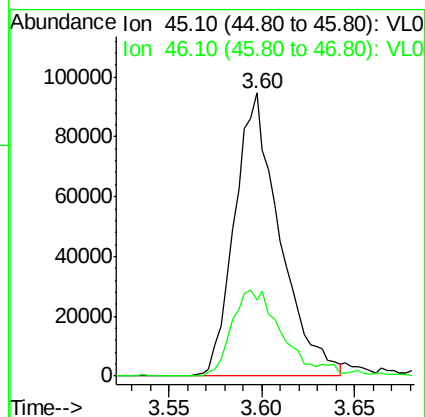
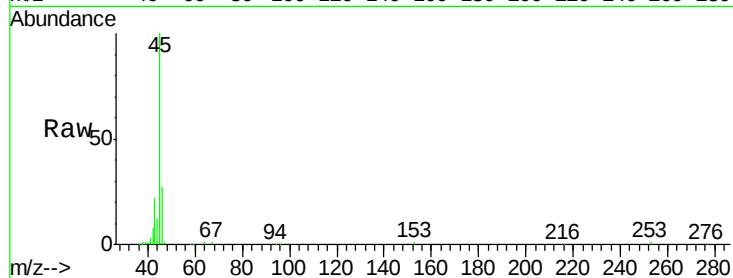
#13
Ethanol
Concen: 9.615 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	Lower	Upper
160020	100	35.2		15.4	61.4

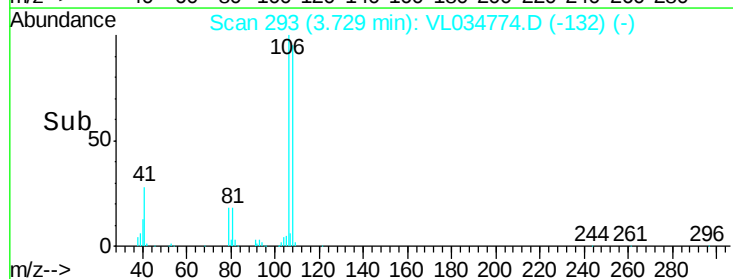
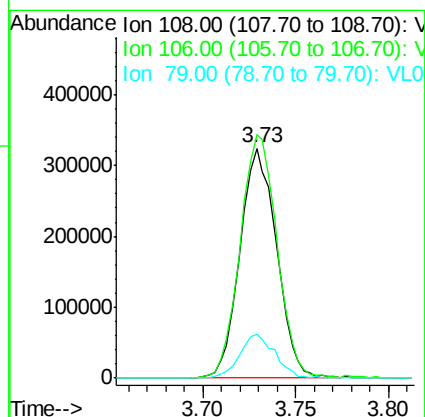
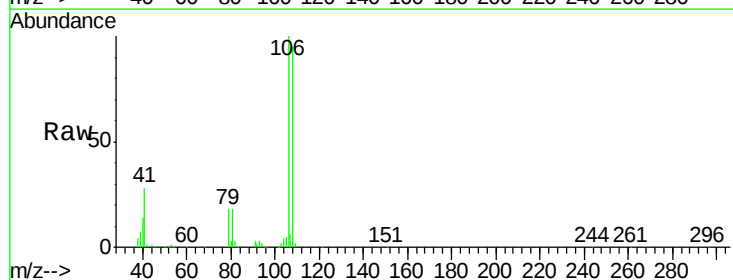
Manual Integrations
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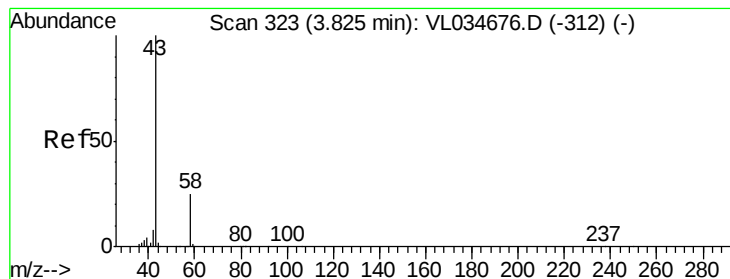
MMDadoda
3/4/2020 4:49:30 PM



#14
Bromoethene
Concen: 9.382 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	108	106	79	Ratio	Lower	Upper
445250	100	107.4	18.4		86.7	130.1





#15

Acetone

Concen: 9.463 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tot Ion: 43 Resp: 1259248

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.0

Instrument :

MSVOA_L

ClientSampleId :

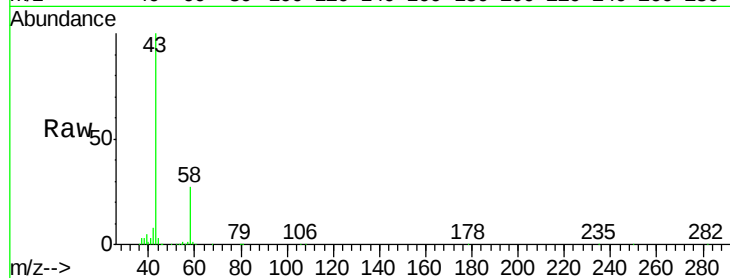
VSTDCCC010EC

Manual Integrations

APPROVED

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

400000

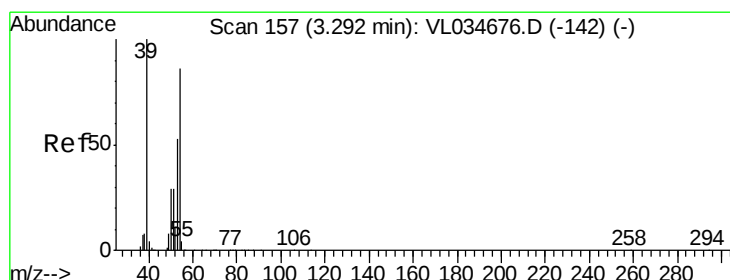
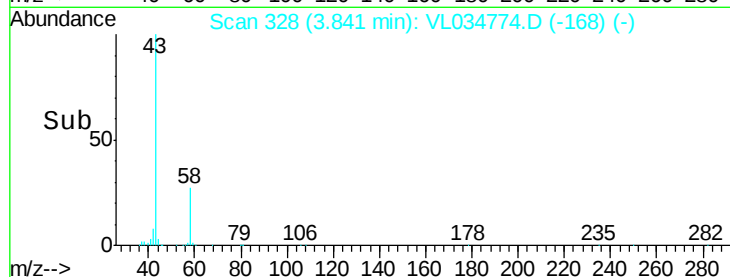
200000

0

Time-->

3.80 3.85 3.90

3.84



#16

1,3-Butadiene

Concen: 10.054 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034774.D

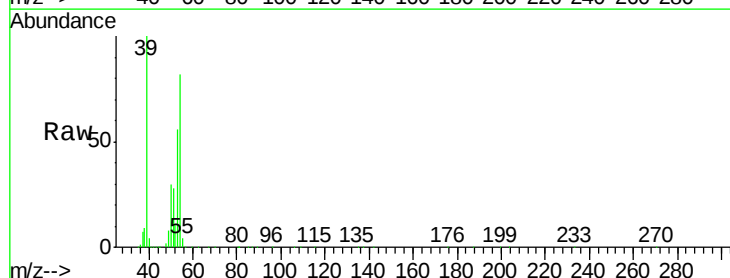
Acq: 3 Mar 2020 21:47

Tgt Ion: 39 Resp: 619320

Ion Ratio Lower Upper

39 100

54 78.1 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

200000

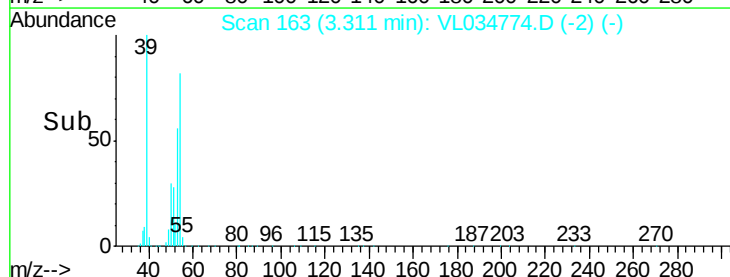
100000

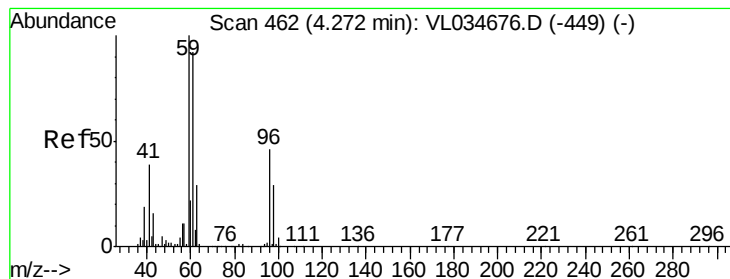
0

Time-->

3.25 3.30 3.35

3.31





#17

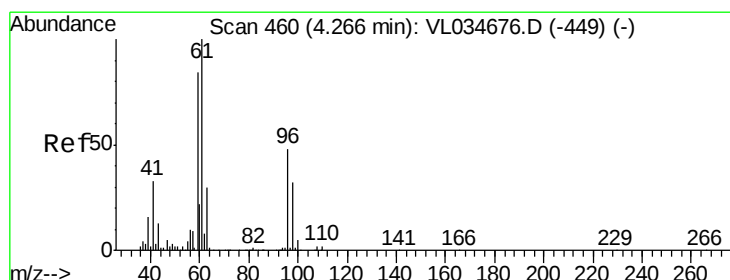
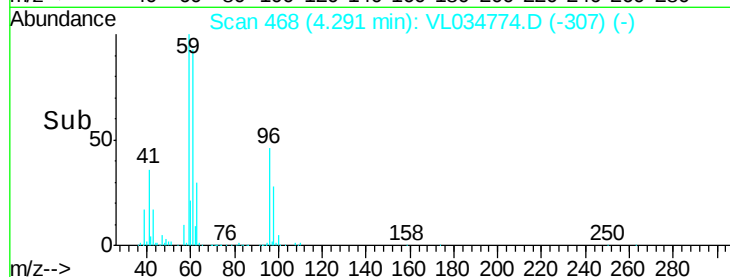
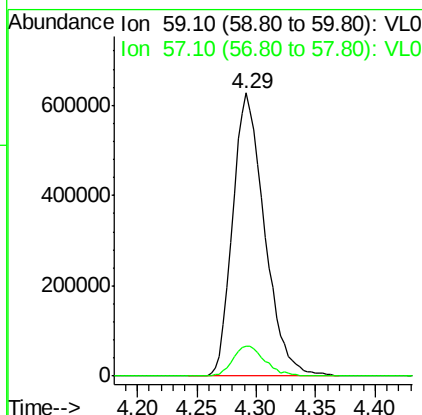
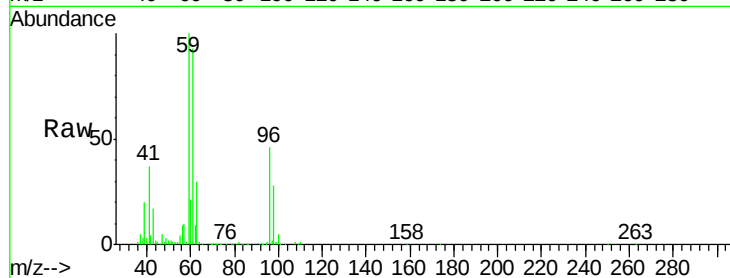
tert-Butyl alcohol
 Concen: 11.422 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1164755
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.8 13.2

Manual Integrations
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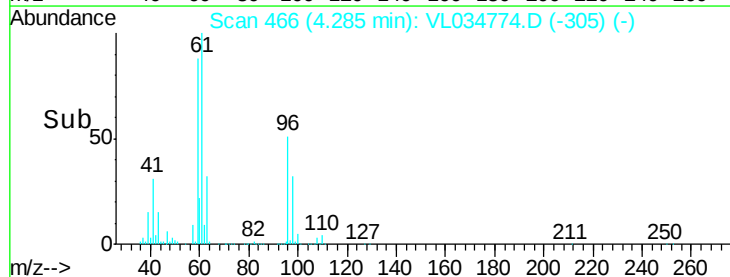
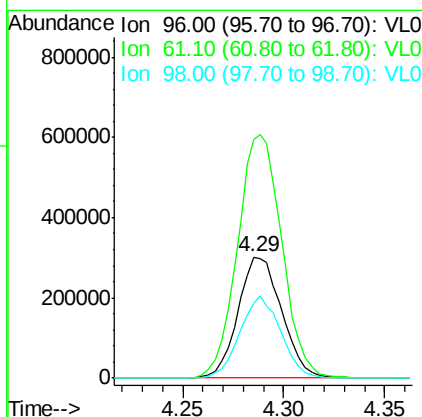
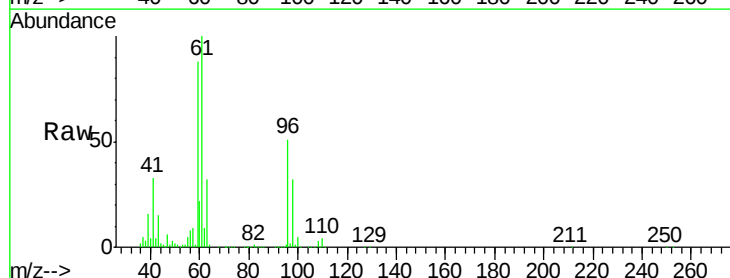
MMDadoda
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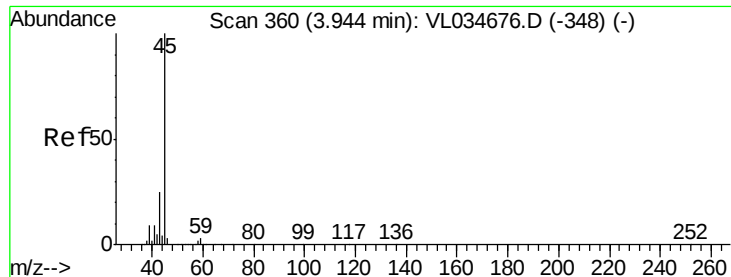


#18

1,1-Dichloroethene
 Concen: 8.981 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 96 Resp: 458618
 Ion Ratio Lower Upper
 96 100
 61 196.4 165.1 247.7
 98 62.1 52.7 79.1





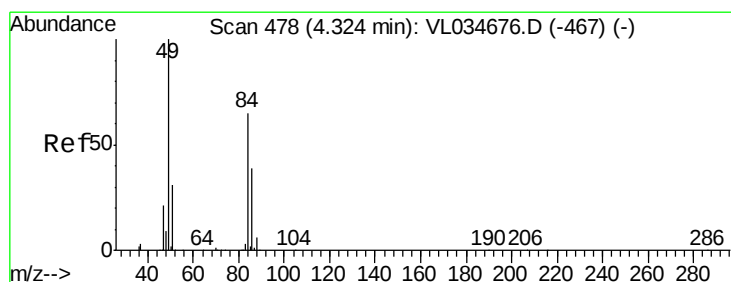
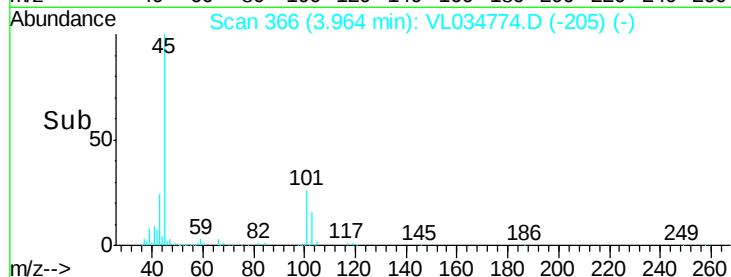
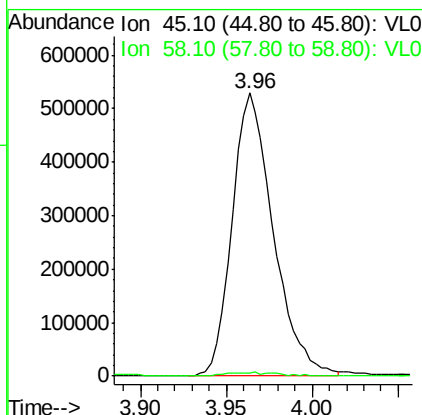
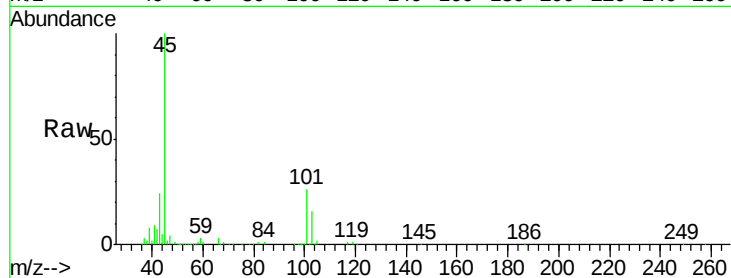
#19
Isopropyl Alcohol
Concen: 11.141 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.8	2.6

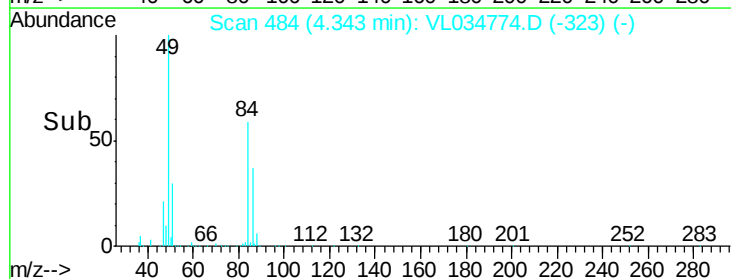
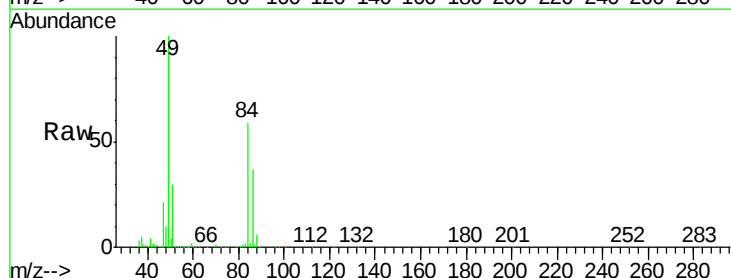
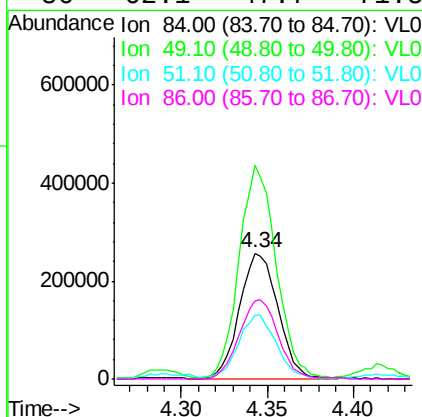
Manual Integrations
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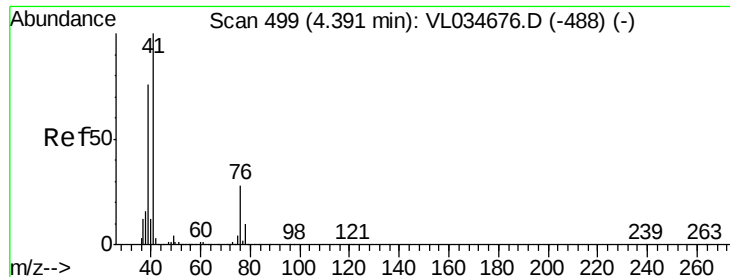
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#20
Methylene Chloride
Concen: 8.046 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.4	122.8	184.2
51	50.1	38.6	58.0
86	62.1	47.7	71.5





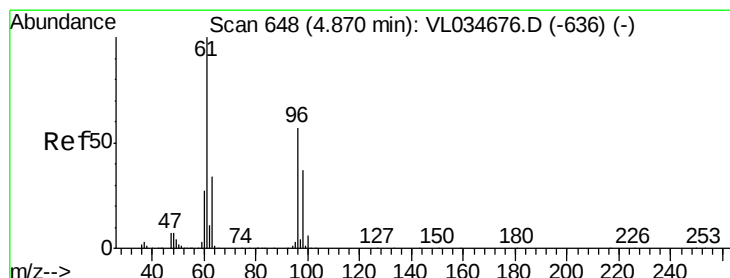
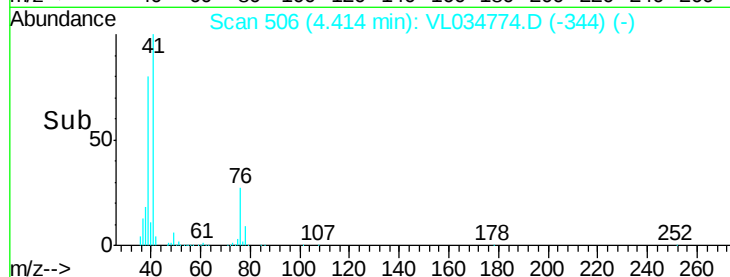
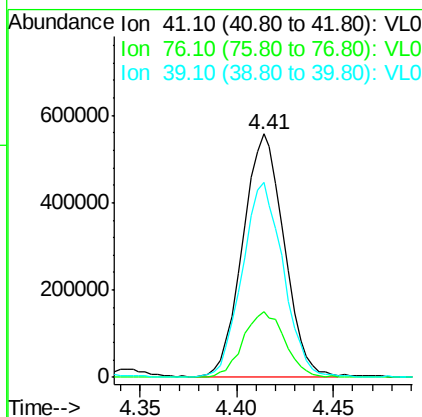
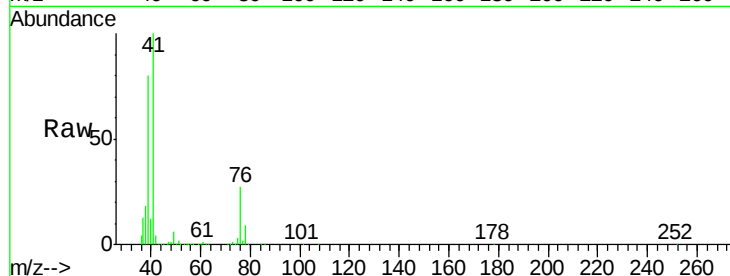
#21
Allvl Chloride
Concen: 9.368 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.8	34.2
39	80.2	61.7	92.5

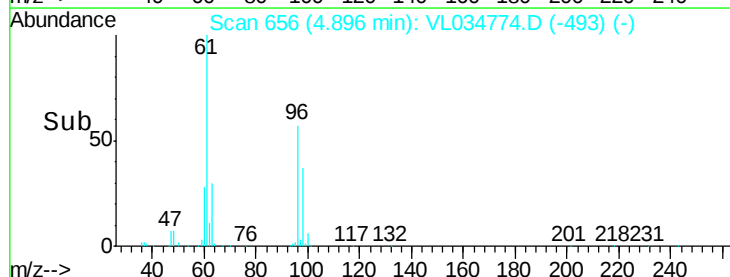
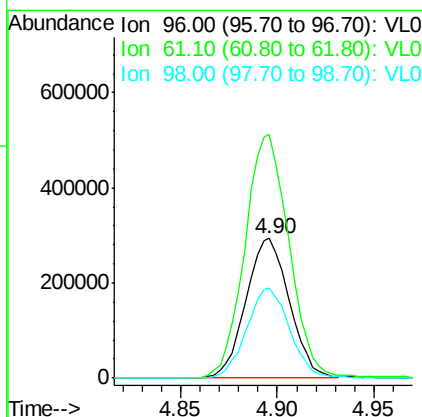
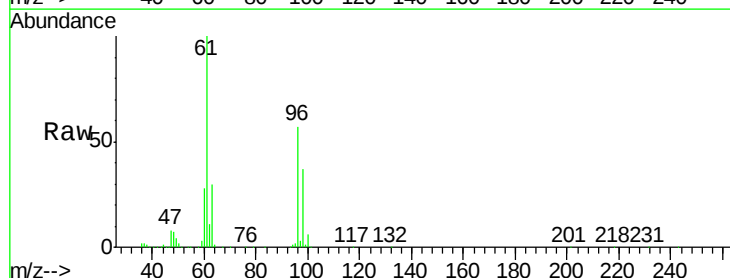
Manual Integrations
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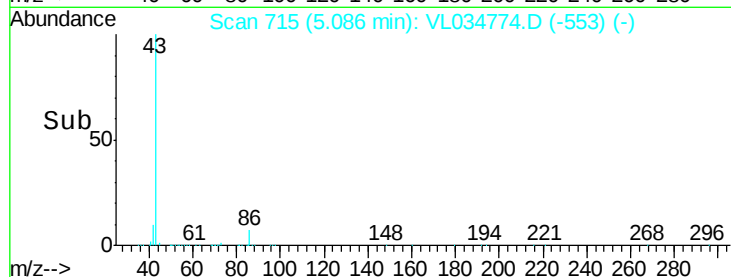
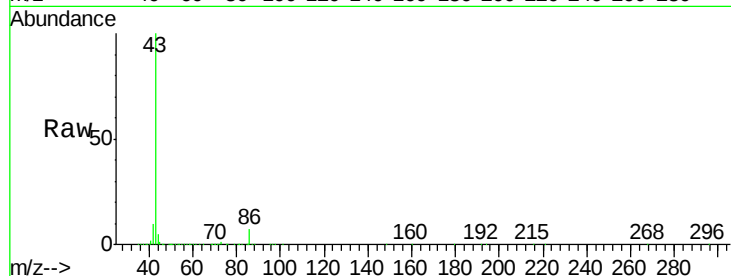
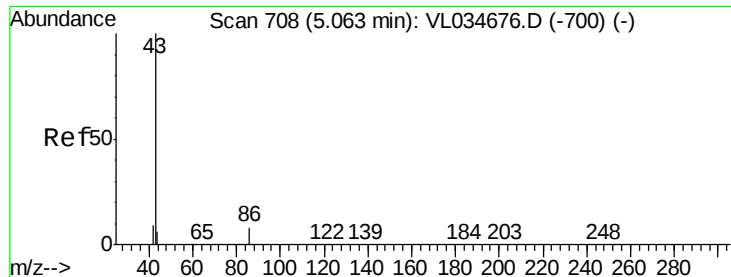
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#22
trans-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	139.4	209.0
98	64.2	51.3	76.9





#23

Vinyl Acetate

Concen: 10.883 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tot Ion: 43 Resp: 1968802

Ion Ratio Lower Upper

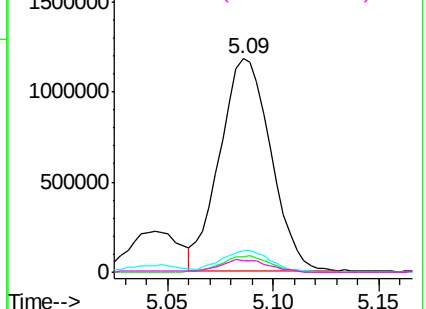
43 100

86 7.3 6.0 9.0

42 10.1 8.0 12.0

44 5.0 4.5 6.7

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



Instrument :

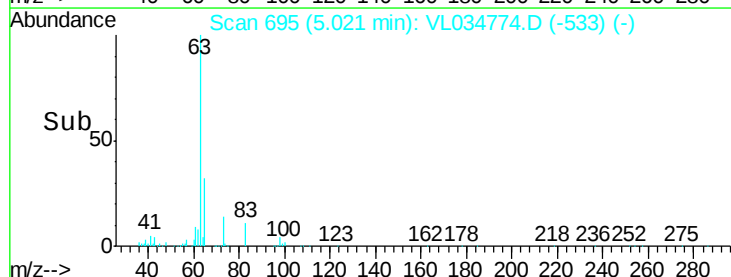
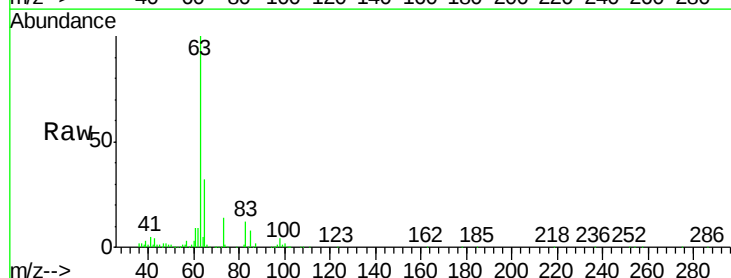
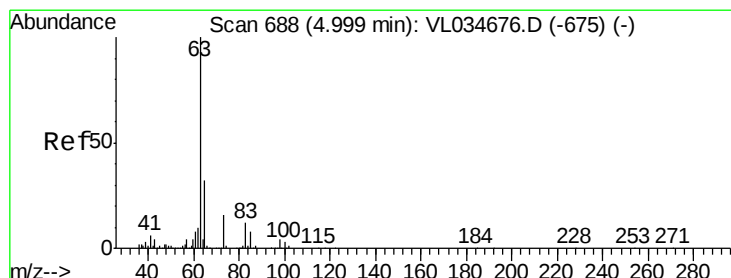
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.118 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 63 Resp: 1317355

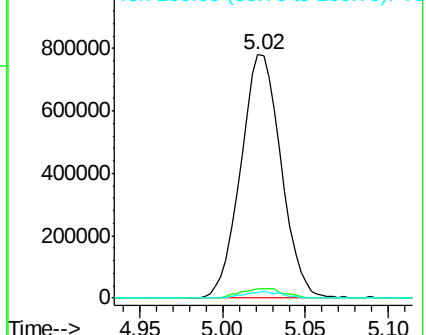
Ion Ratio Lower Upper

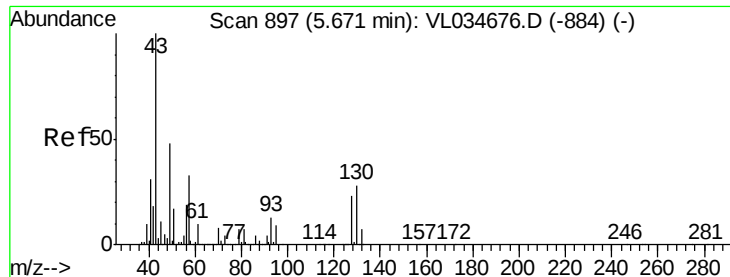
63 100

98 4.0 2.1 6.2

100 2.2 1.4 4.0

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





#25

Ethyl Acetate

Concen: 9.748 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2296294

Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.4

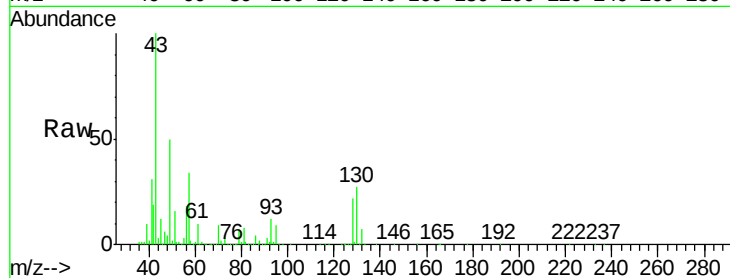
61 9.4 7.8 11.6

70 7.3 6.1 9.1

Manual Integrations
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MMDadoda

3/4/2020 4:49:30 PM

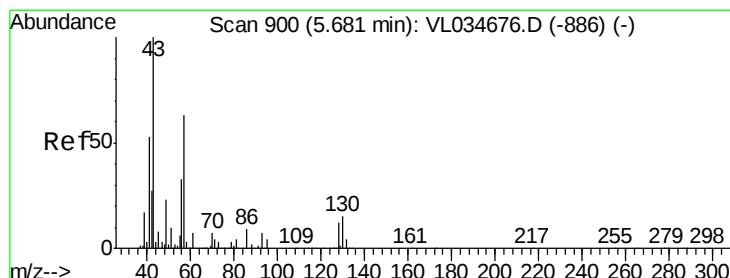
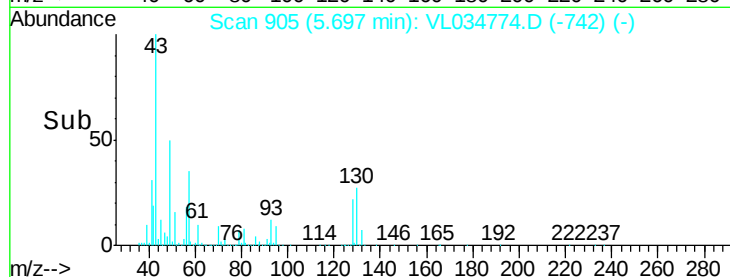
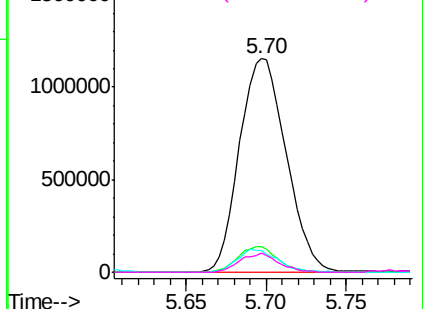


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.361 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 57 Resp: 1016302

Ion Ratio Lower Upper

57 100

41 89.8 70.3 105.5

43 227.7 177.0 265.4

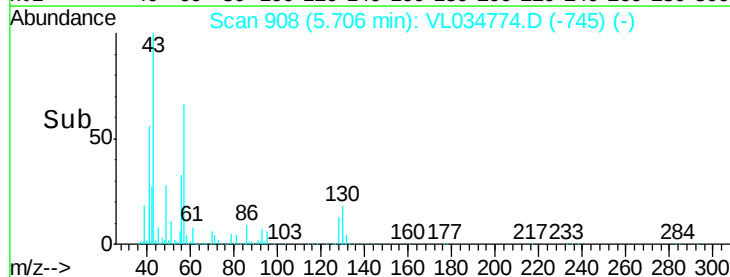
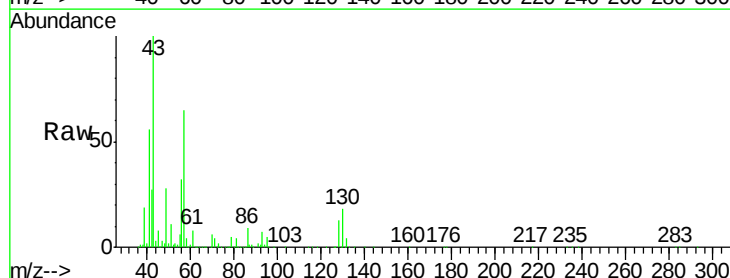
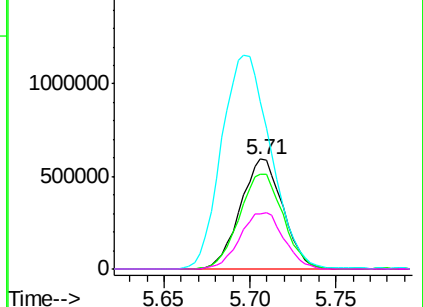
56 52.9 42.6 64.0

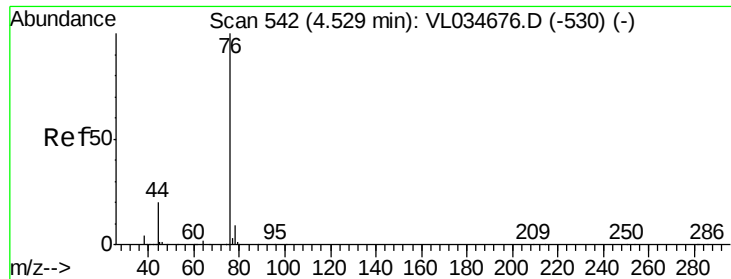
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





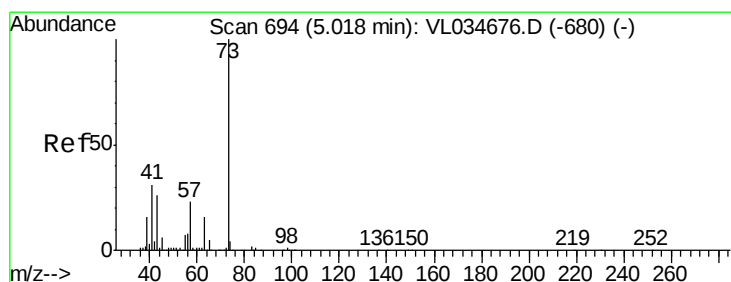
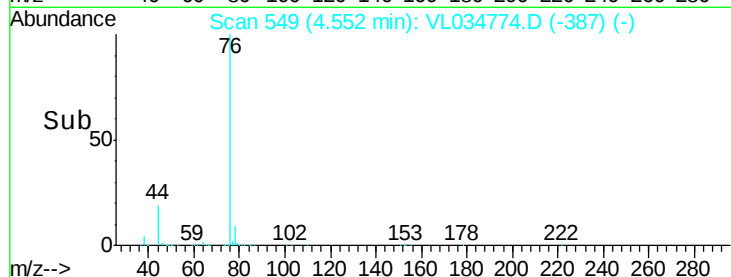
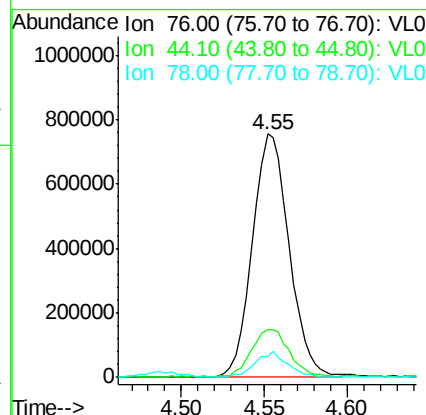
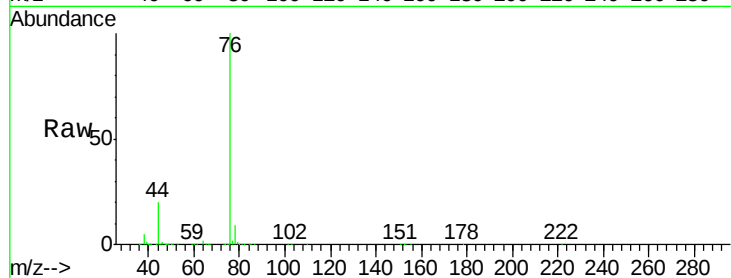
#27
Carbon Disulfide
Concen: 9.457 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.8	15.3	22.9
78	9.2	7.6	11.4

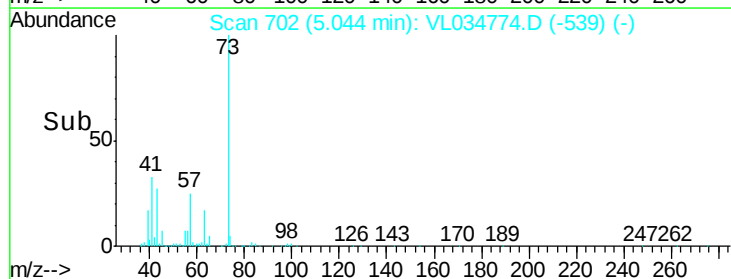
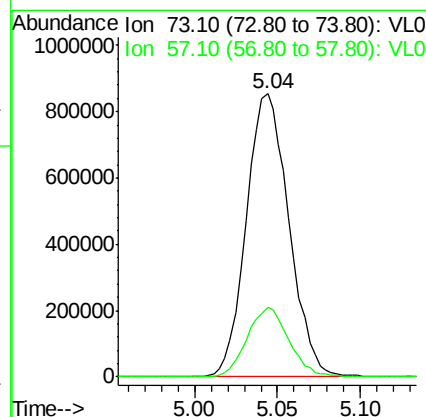
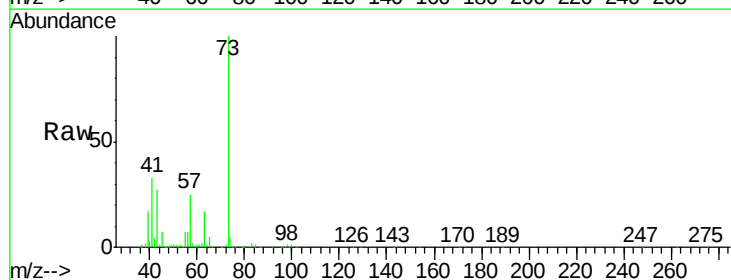
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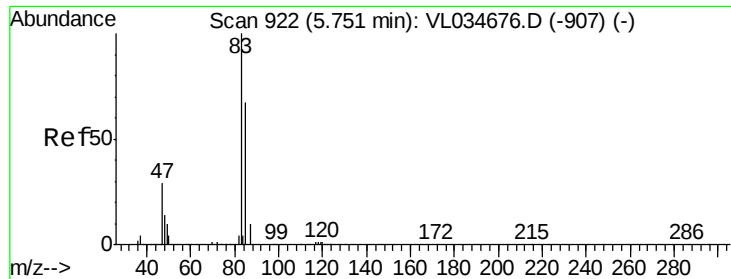
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 9.833 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.6	28.0





#29

Chloroform

Concen: 9.039 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tot Ion: 83 Resp: 1563507

Ion Ratio Lower Upper

83 100

85 63.6 53.9 80.9

Instrument :

MSVOA_L

ClientSampleId :

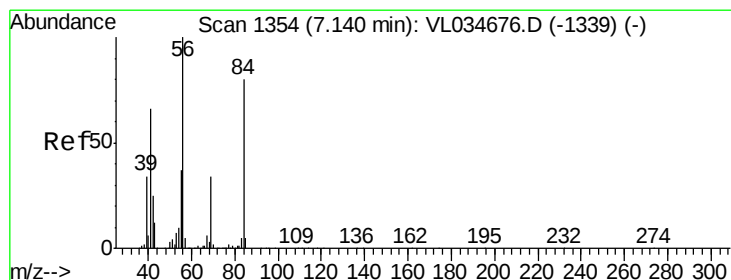
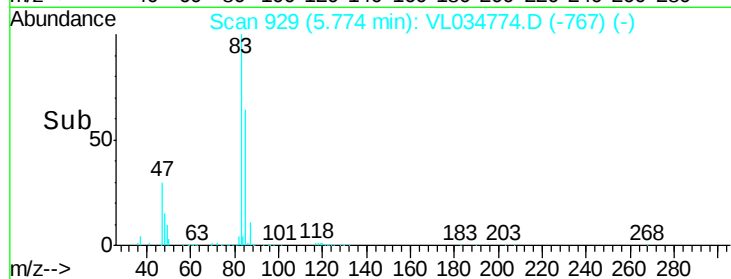
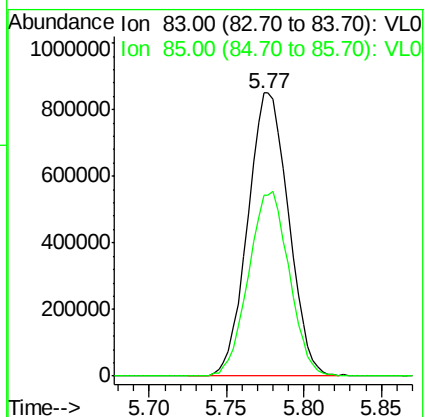
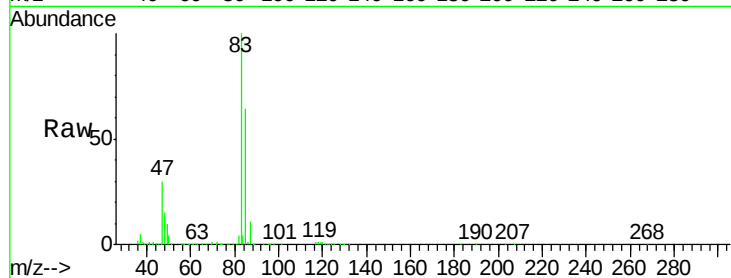
VSTDCCC010EC

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#30

Cyclohexane

Concen: 10.071 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

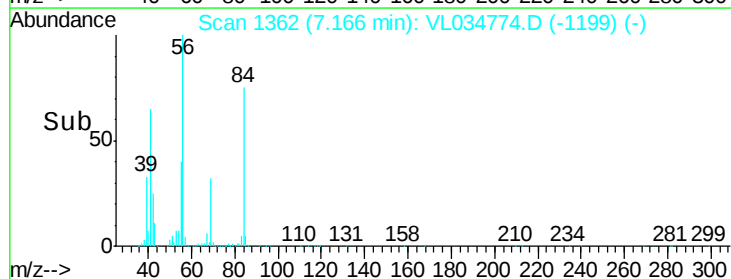
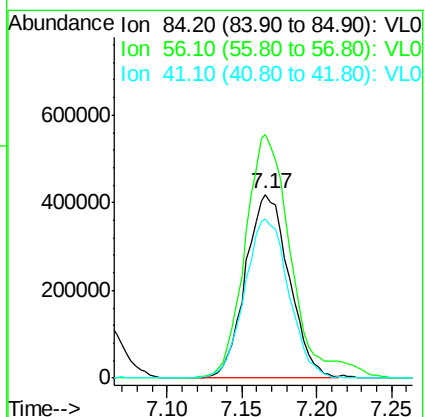
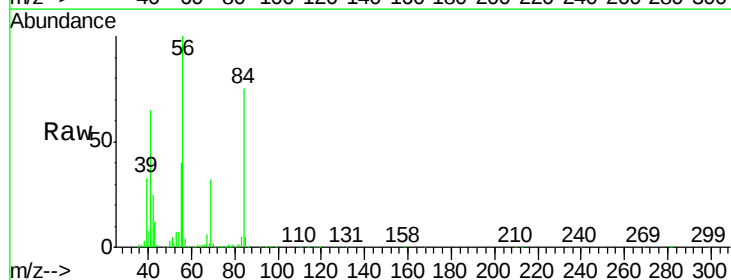
Tgt Ion: 84 Resp: 847407

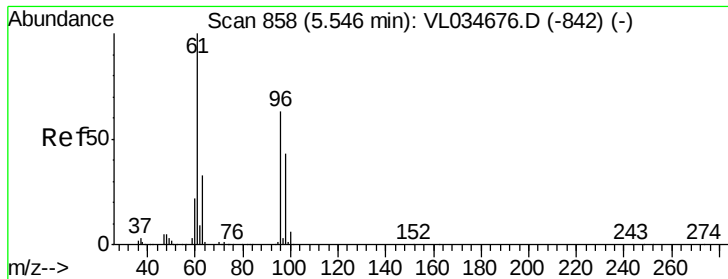
Ion Ratio Lower Upper

84 100

56 140.4 113.4 170.2

41 88.1 68.2 102.4





#31

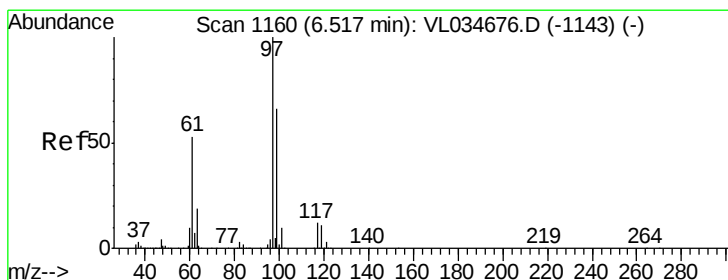
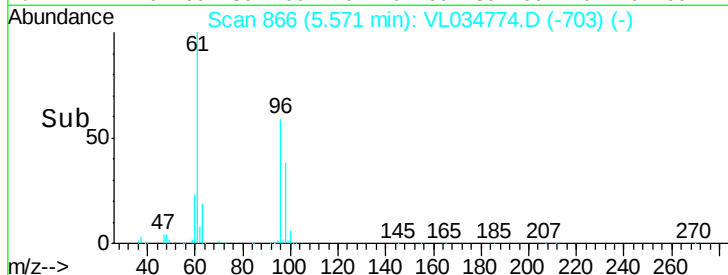
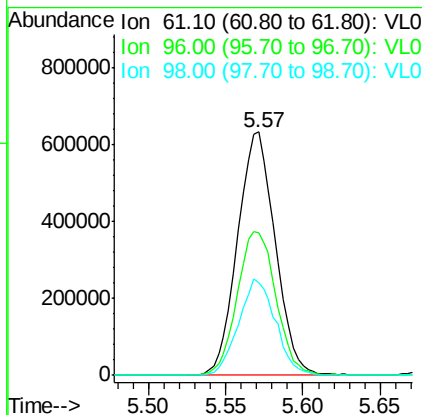
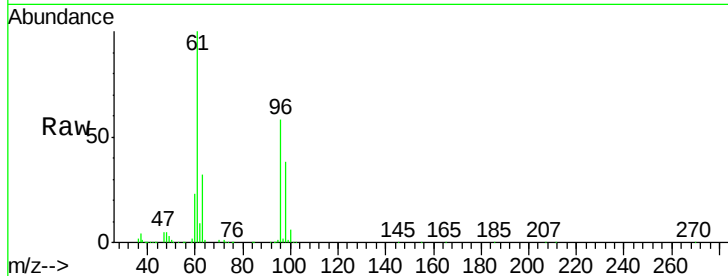
cis-1,2-Dichloroethene
 Concen: 10.055 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1074280
 Ion Ratio Lower Upper
 61 100
 96 58.3 50.2 75.2
 98 38.1 34.3 51.5

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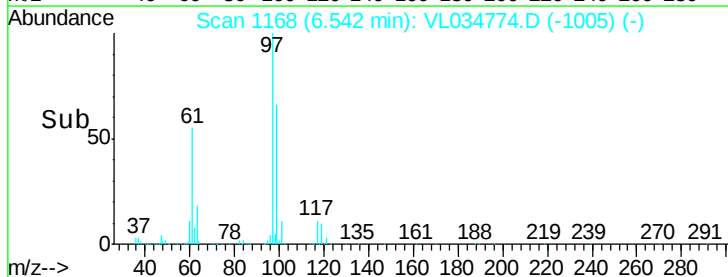
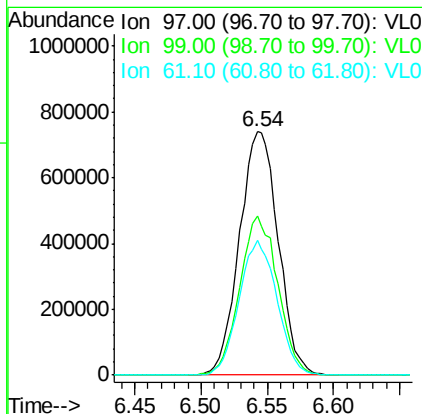
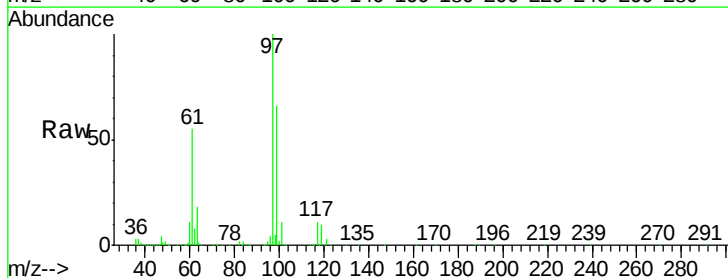
MMDadoda
 3/4/2020 4:49:30 PM

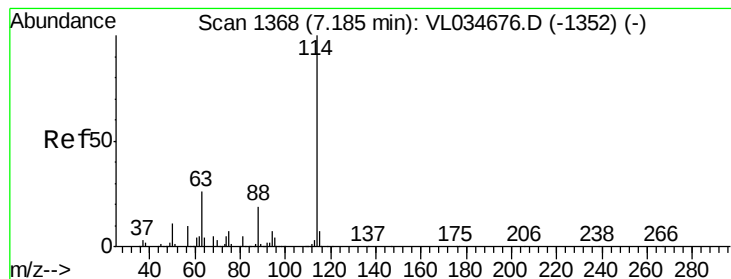


#32

1,1,1-Trichloroethane
 Concen: 9.297 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 97 Resp: 1501802
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.3 78.5
 61 54.1 42.8 64.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2476420

Ion Ratio Lower Upper

114 100

63 28.9 22.9 34.3

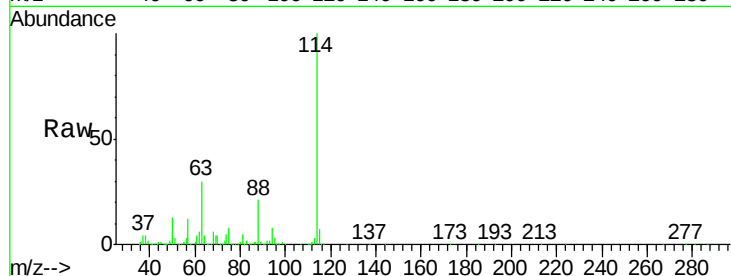
88 20.0 15.8 23.6

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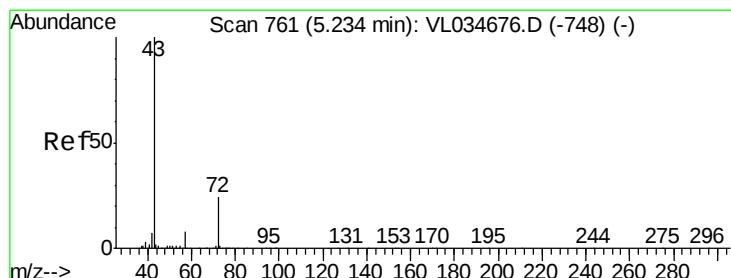
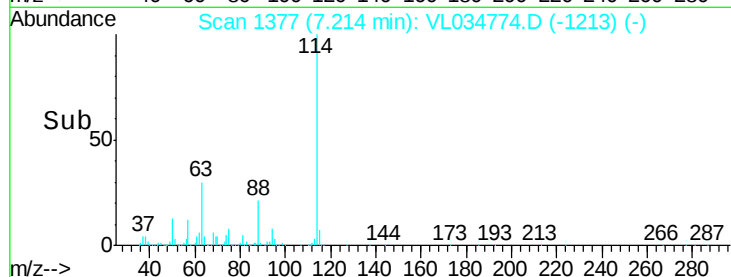
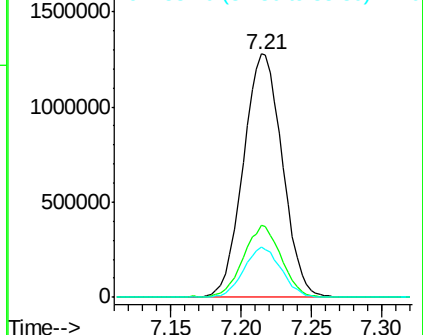
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.035 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL034774.D

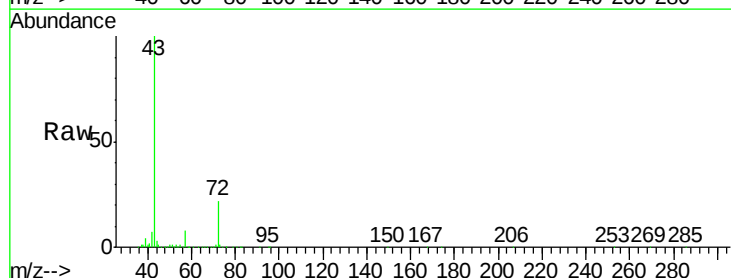
Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 1564167

Ion Ratio Lower Upper

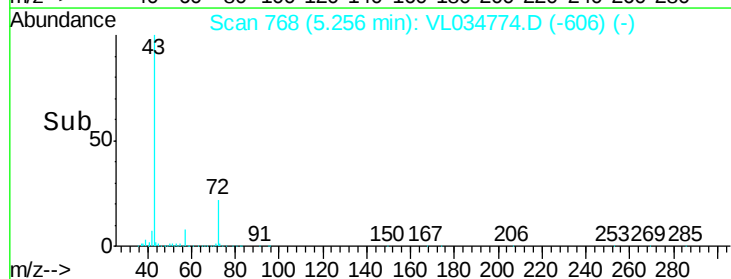
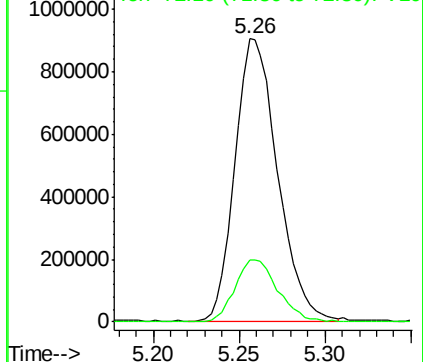
43 100

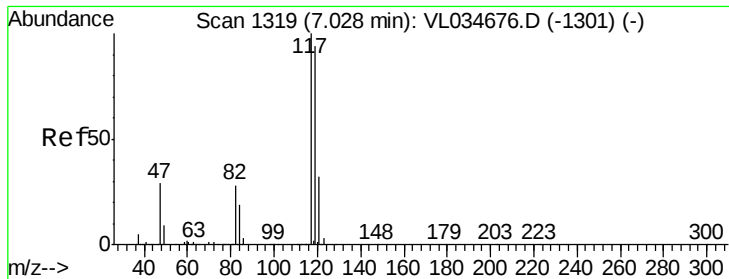
72 22.2 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





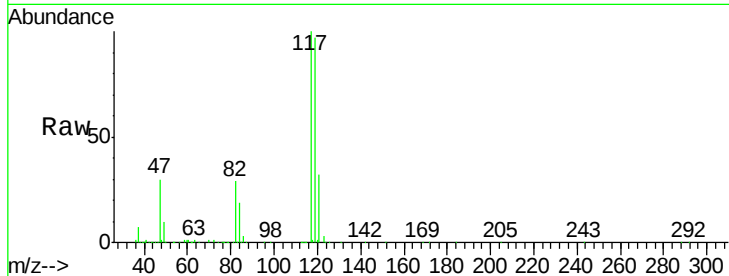
#35
Carbon Tetrachloride
Concen: 9.242 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.5	113.3
121	32.3	25.4	38.0

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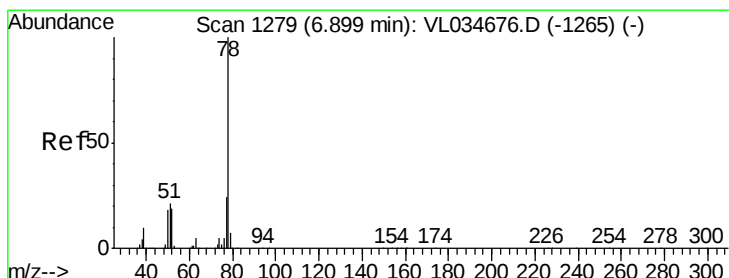
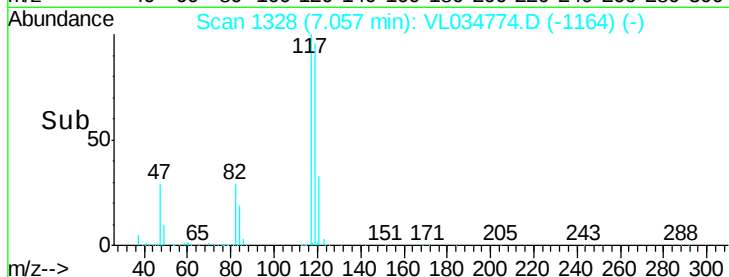
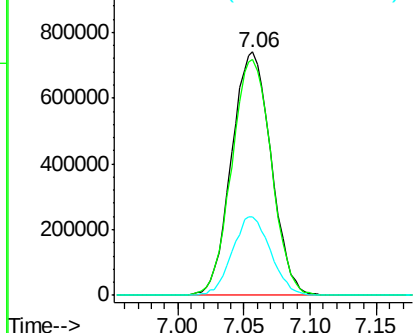


Abundance

Ion 117.00 (116.70 to 117.70): V

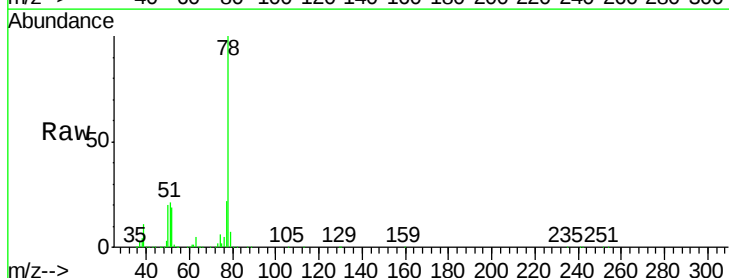
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36
Benzene
Concen: 9.601 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.5	29.3
50	20.0	14.6	21.8

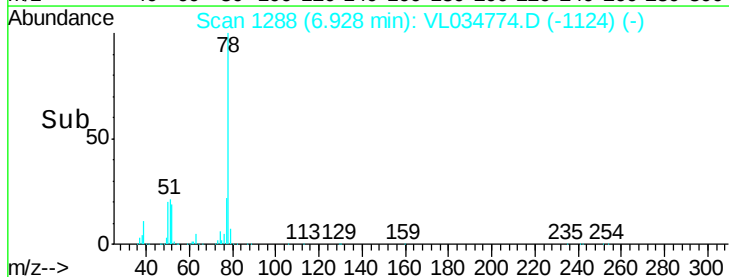
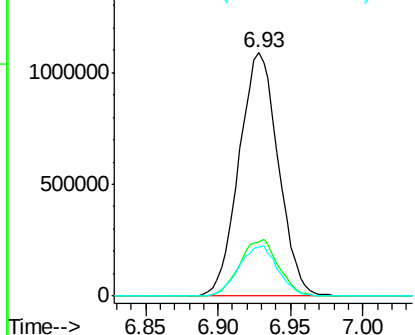


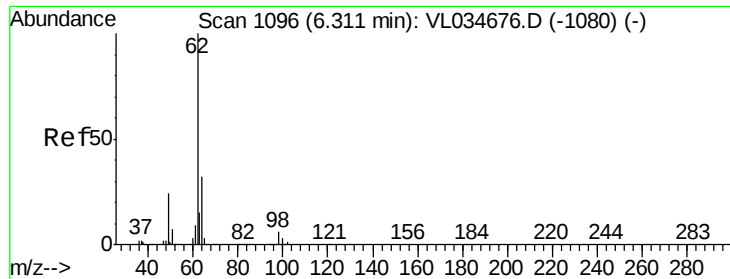
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





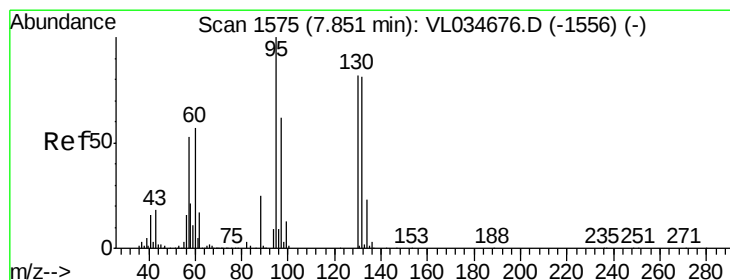
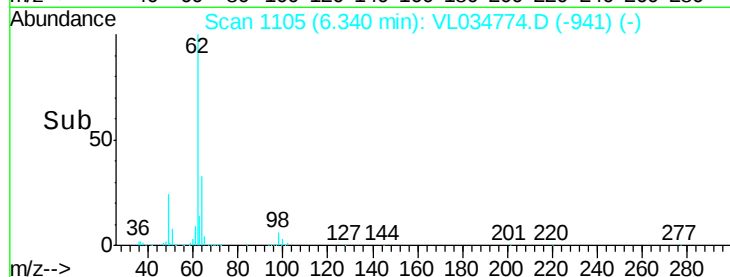
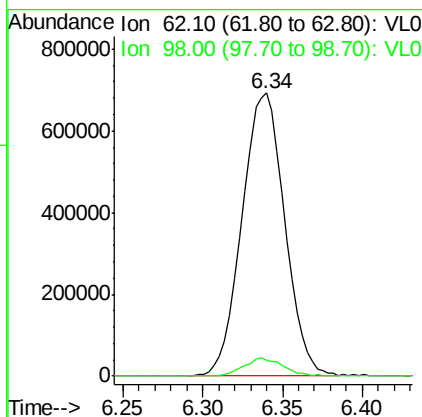
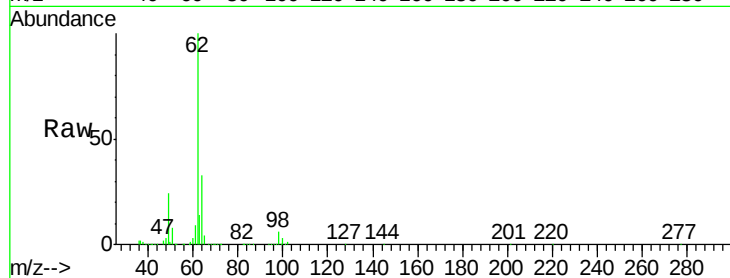
#37
 1,2-Dichloroethane
 Concen: 9.375 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.7	7.1

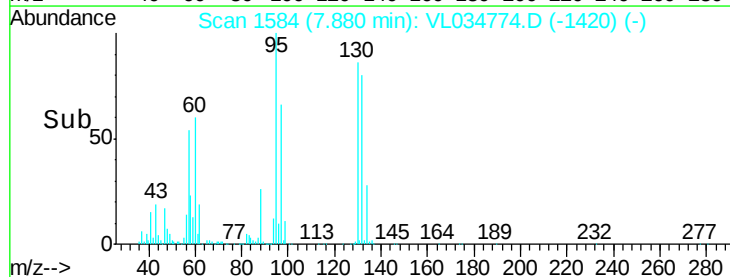
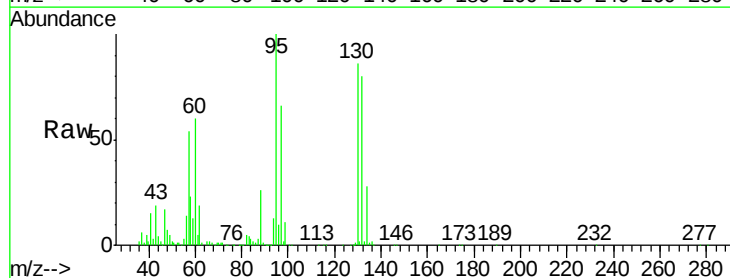
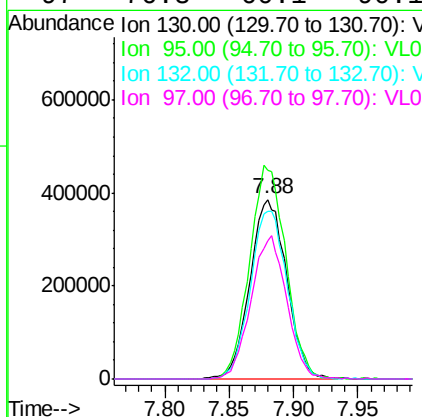
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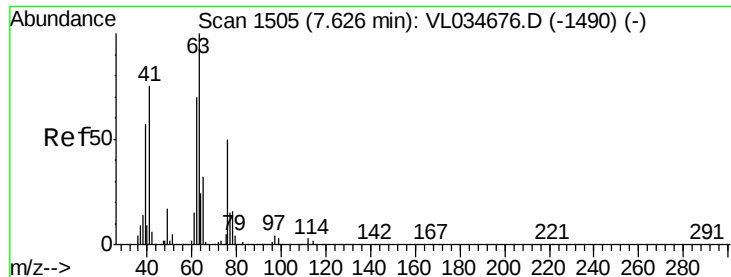
MMDadoda
 3/4/2020 4:49:30 PM



#38
 Trichloroethene
 Concen: 9.267 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.5	97.1	145.7
132	93.6	78.3	117.5
97	76.8	60.1	90.1





#39

1,2-Dichloropropane

Concen: 9.574 ppbv

RT: 7.66 min Scan# 1515

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

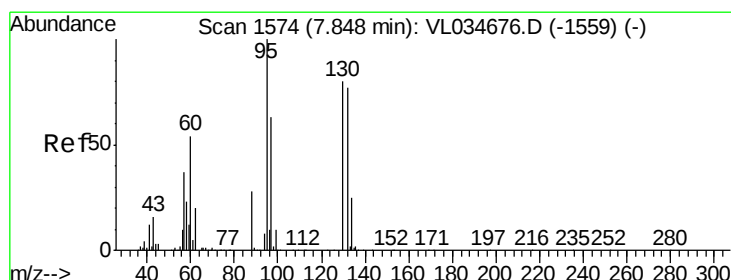
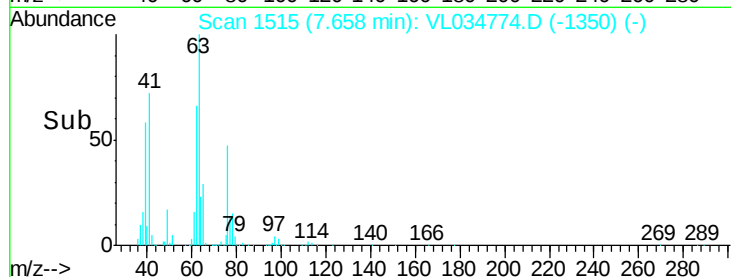
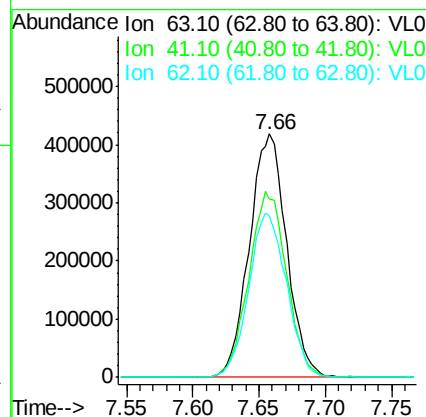
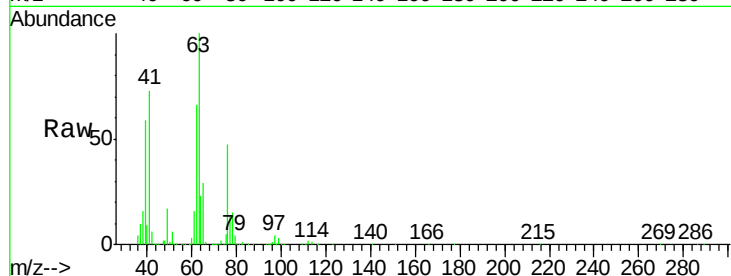
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	814696
Ion Ratio	Lower	Upper	
63	100		
41	73.2	60.2	90.4
62	66.5	56.3	84.5

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#40

1,4-Dioxane

Concen: 10.530 ppbv

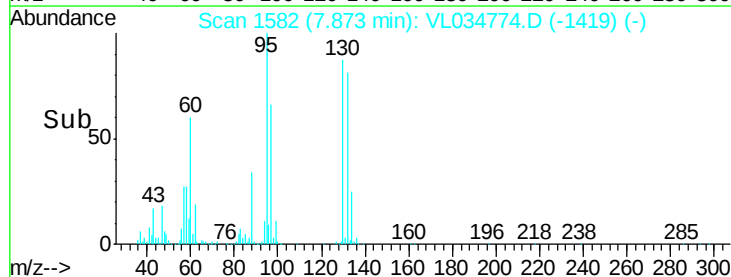
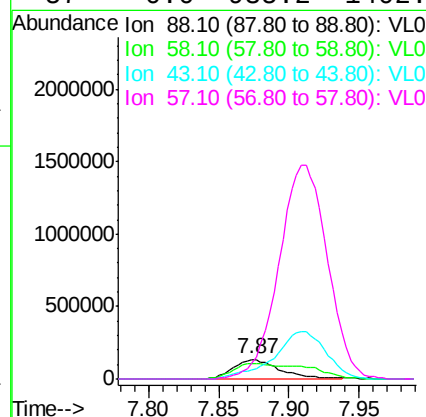
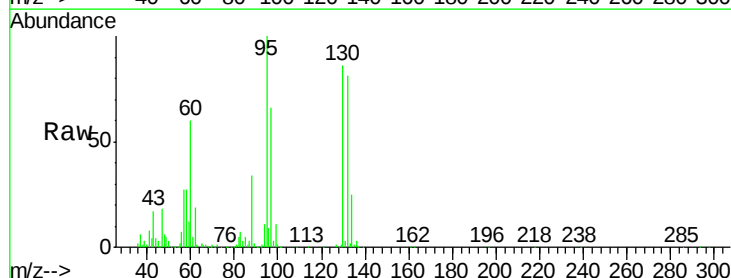
RT: 7.87 min Scan# 1582

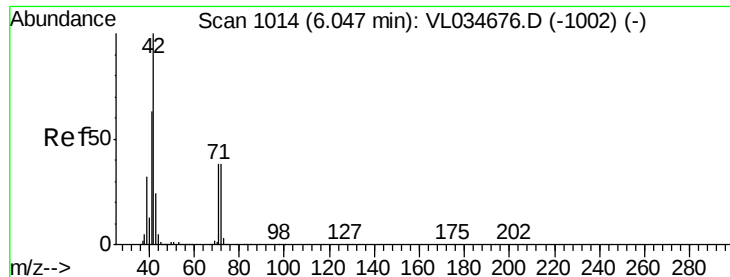
Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion:	88	Resp:	304725
Ion Ratio	Lower	Upper	
88	100		
58	134.5	104.6	156.8
43	0.0	212.9	319.3#
57	0.0	935.2	1402.8#





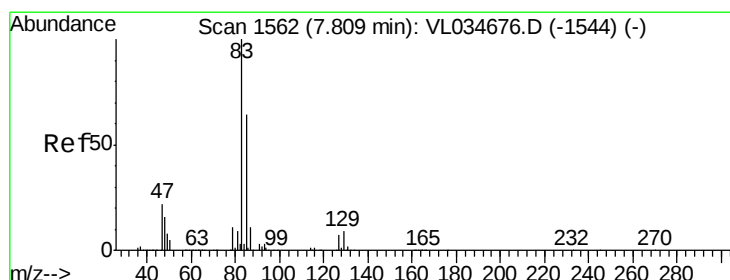
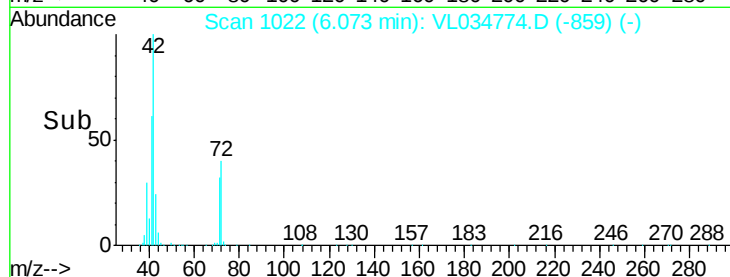
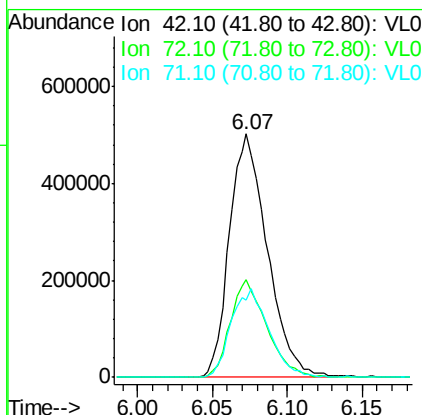
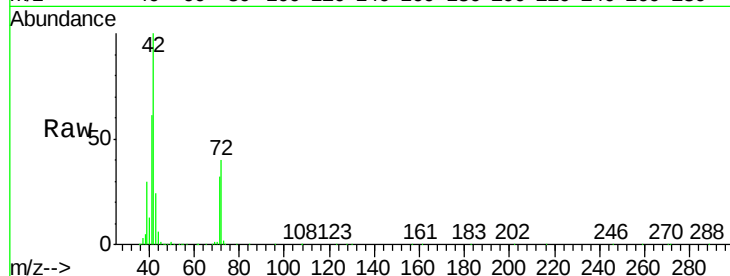
#41
Tetrahydrofuran
Concen: 10.756 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.7	47.5
71	36.4	30.7	46.1

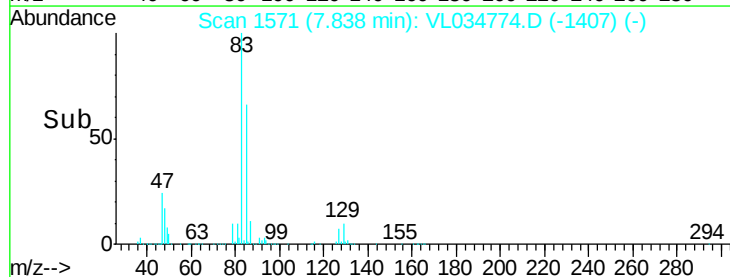
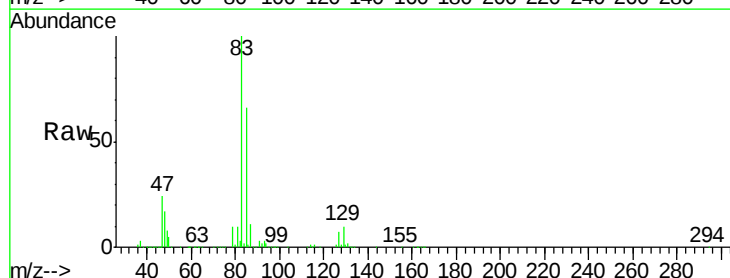
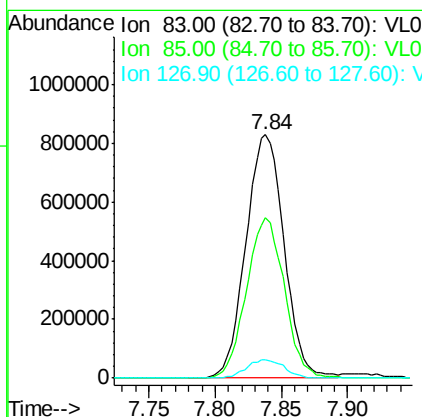
Manual Integrations
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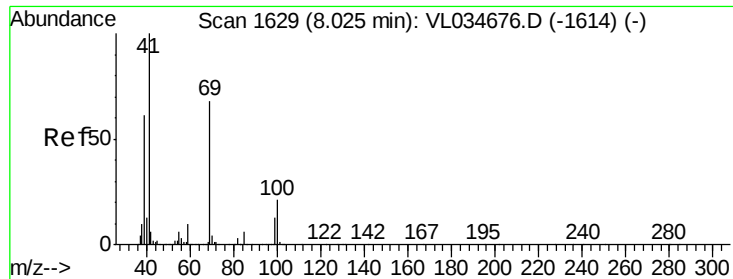
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#42
Bromodichloromethane
Concen: 9.456 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.1	76.7
127	7.5	5.8	8.8





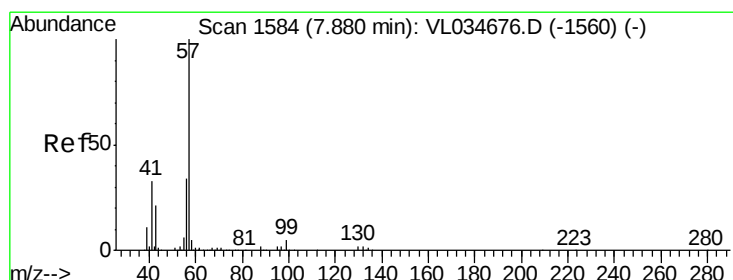
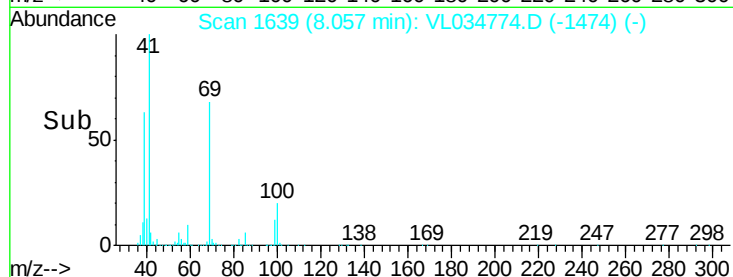
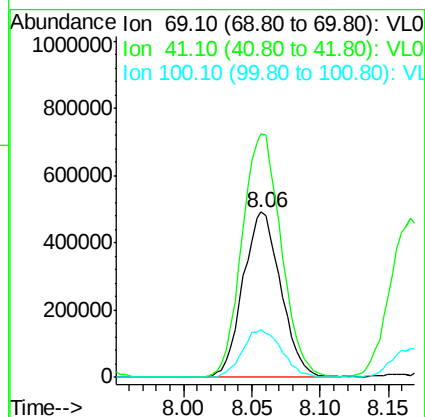
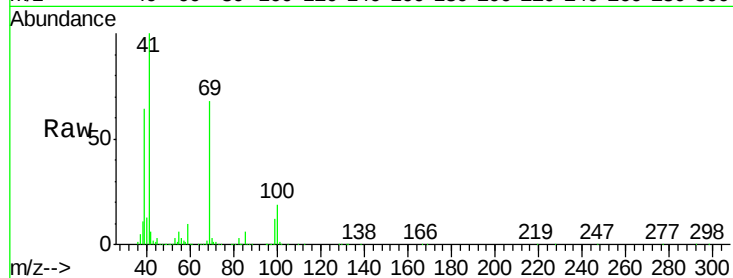
#43
Methyl Methacrylate
Concen: 10.520 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69.10	69	100		
41.10	41	152.0	118.2	177.2
100.10	100	30.3	24.2	36.2

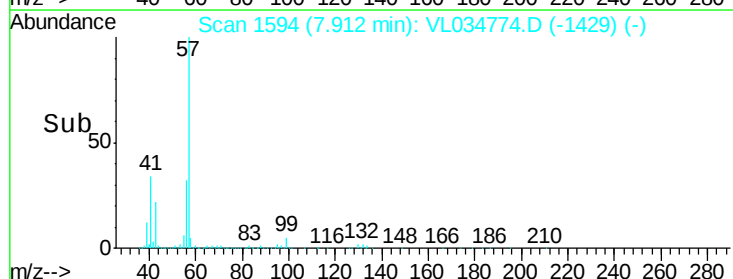
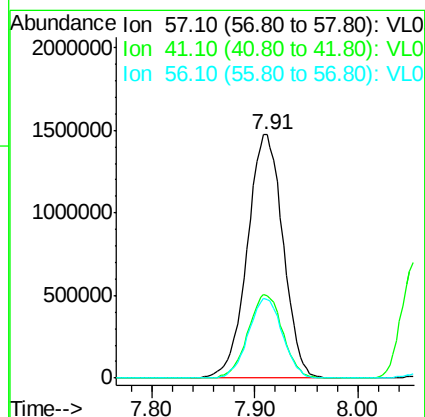
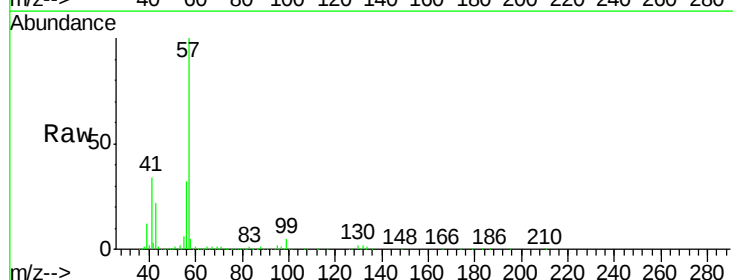
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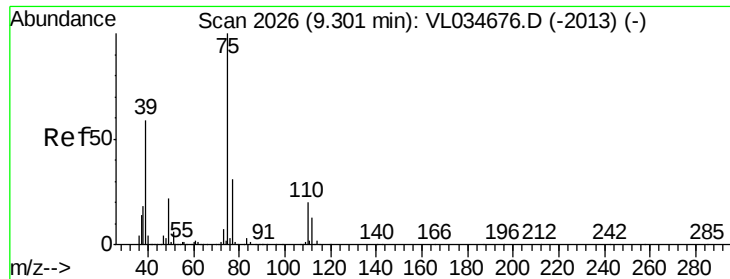
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.459 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ion	Ratio	Lower	Upper
57.10	57	100		
41.10	41	33.3	26.0	39.0
56.10	56	31.6	25.6	38.4





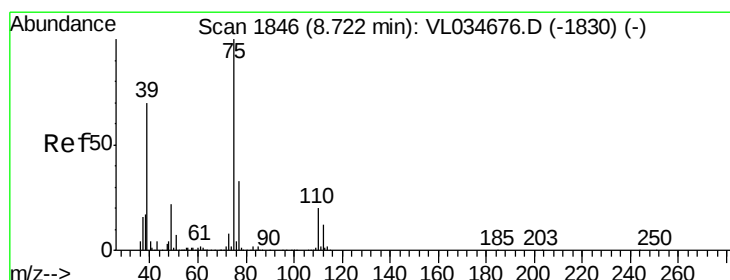
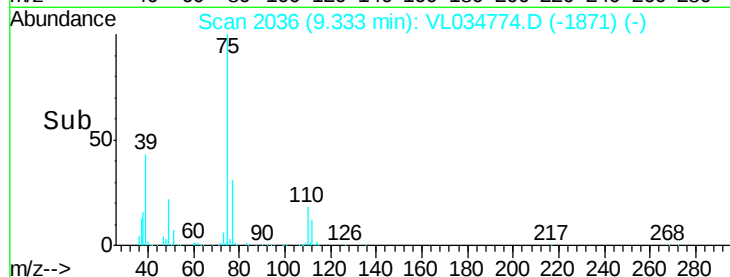
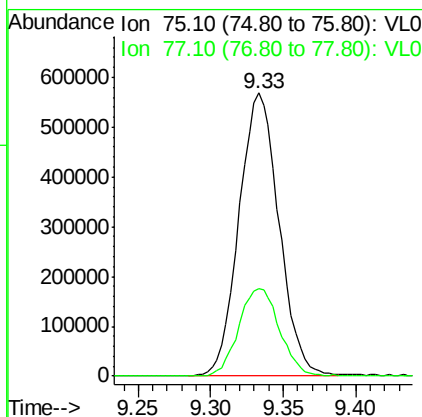
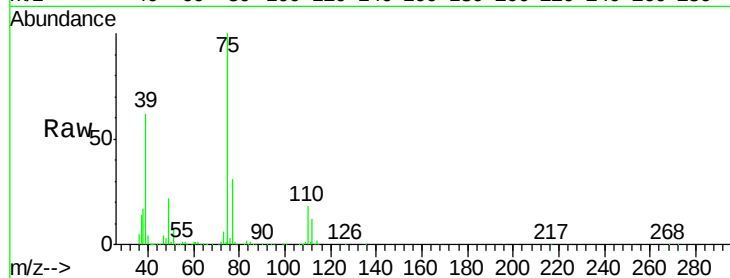
#45
t-1,3-Dichloropropene
Concen: 11.107 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1090356
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9

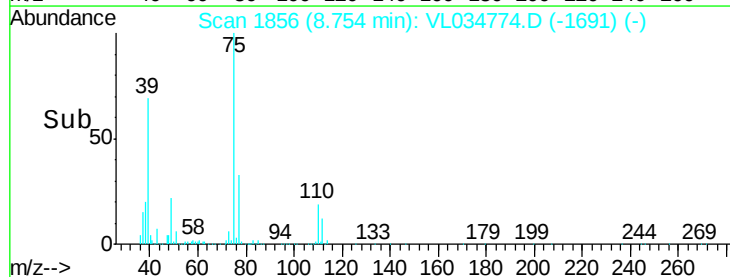
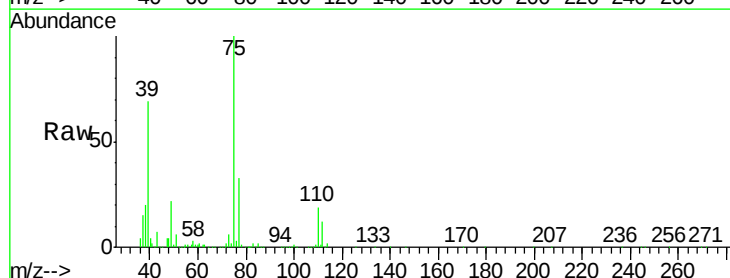
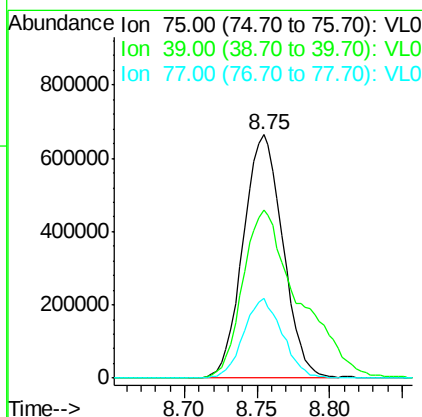
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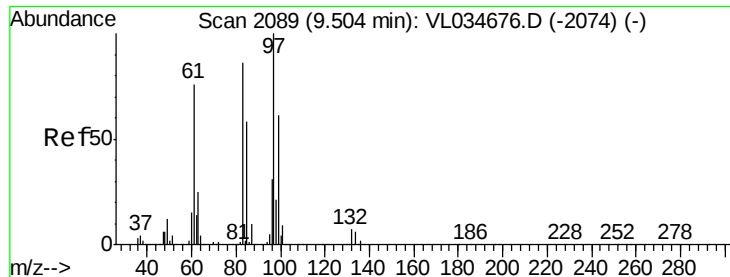
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.740 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 75 Resp: 1264505
Ion Ratio Lower Upper
75 100
39 68.9 55.7 83.5
77 32.6 26.3 39.5





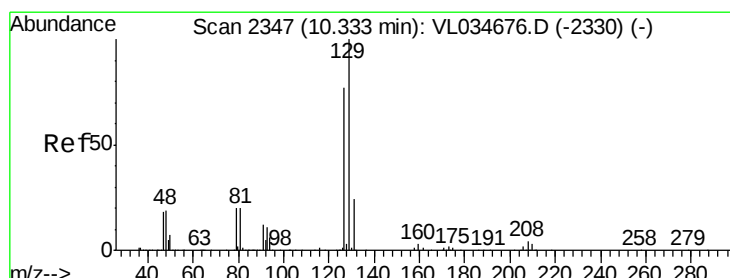
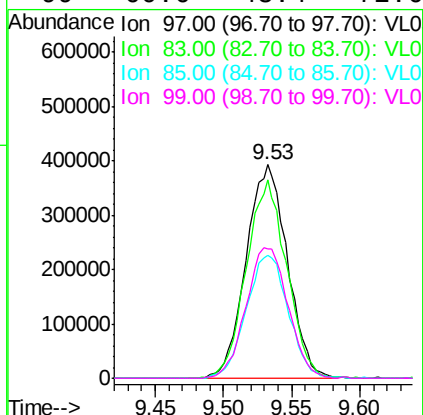
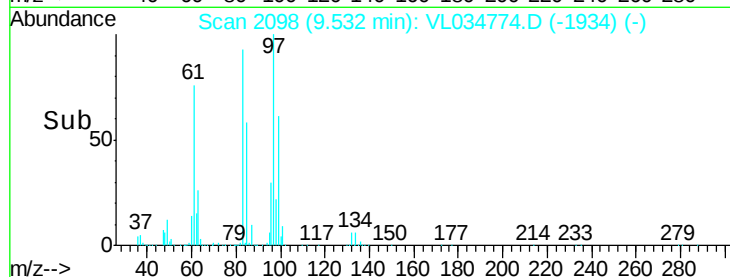
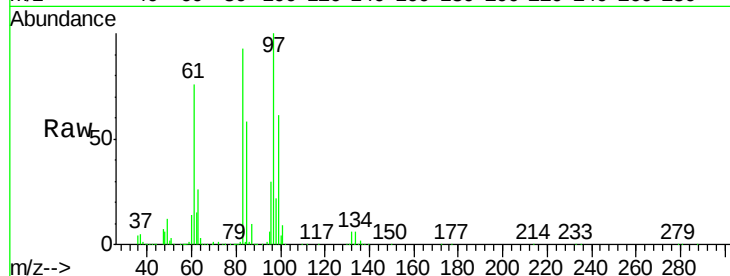
#47
 1,1,2-Trichloroethane
 Concen: 9.449 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.5	69.4	104.0	
85	57.7	46.4	69.6	
99	60.6	48.4	72.6	

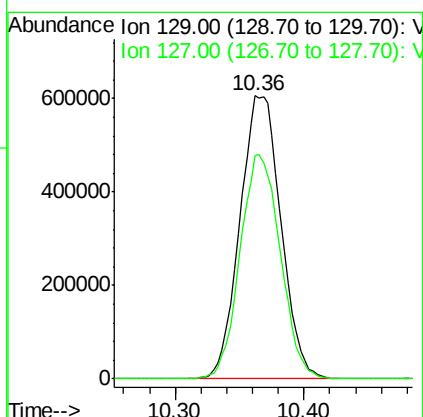
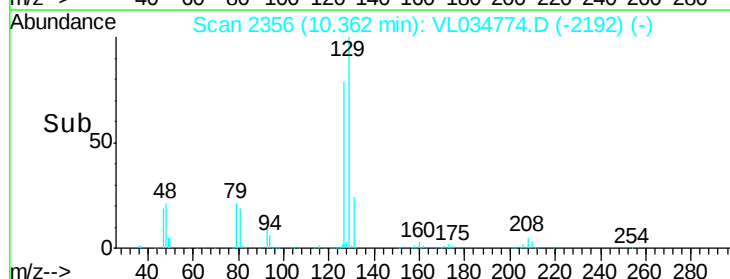
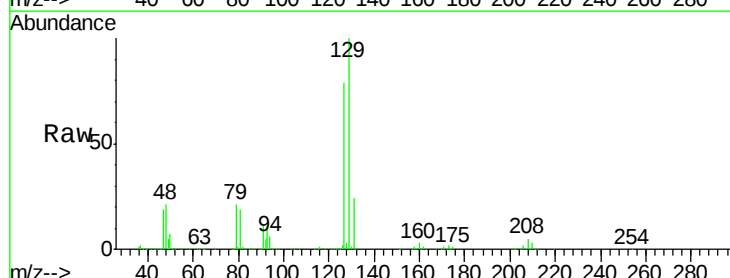
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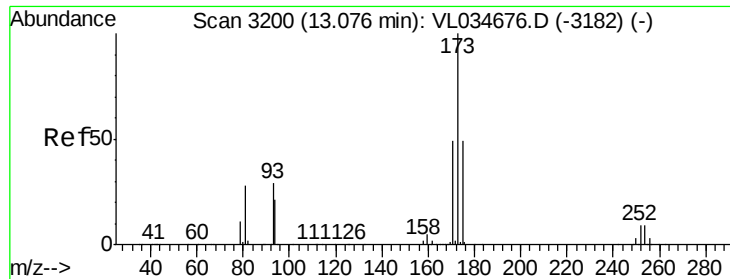
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#48
 Dibromochloromethane
 Concen: 9.888 ppbv
 RT: 10.36 min Scan# 2356
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.3	117.8	





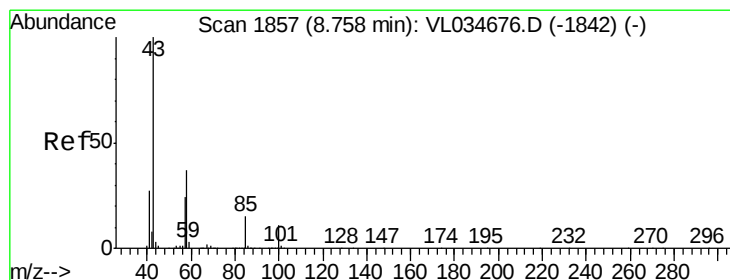
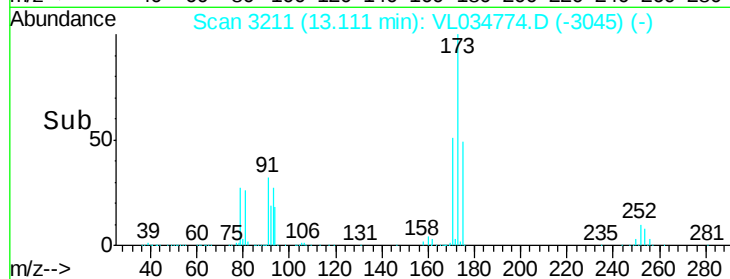
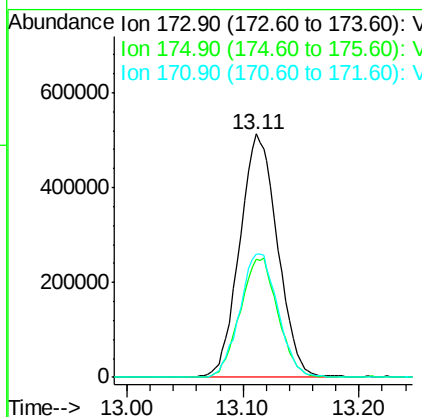
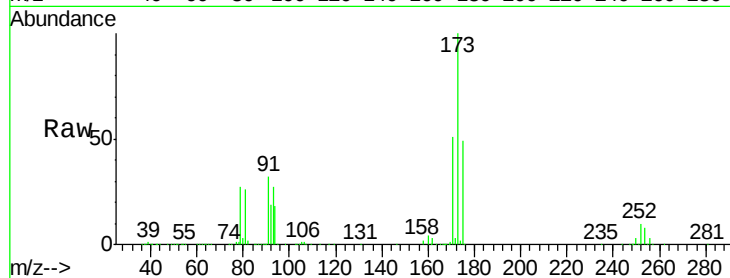
#49
Bromoform
Concen: 9.878 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1162636
Ion Ratio Lower Upper
173 100
175 48.8 38.6 58.0
171 51.2 41.5 62.3

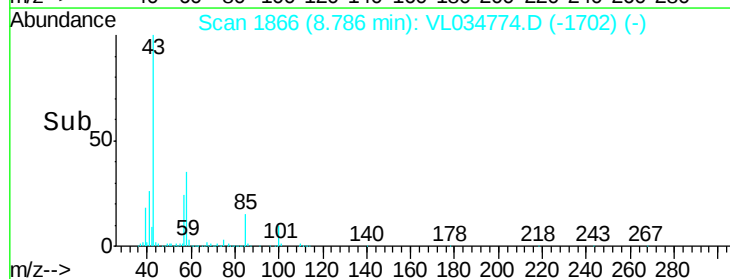
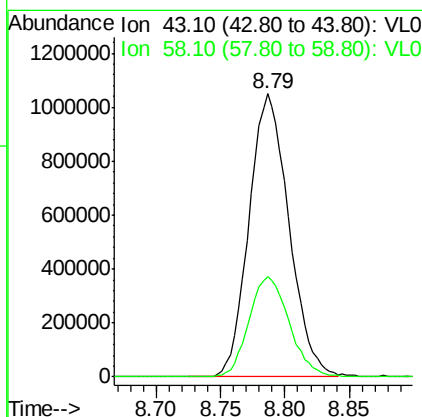
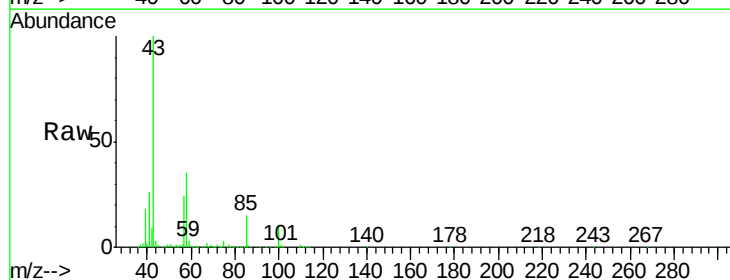
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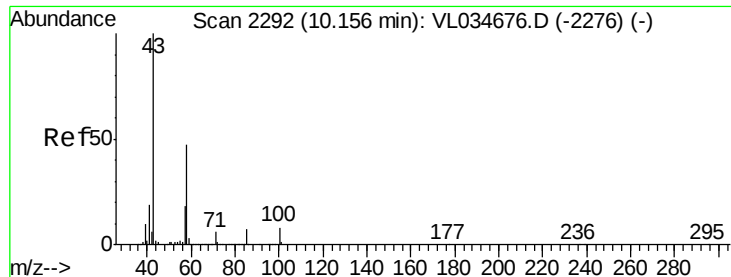
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#50
4-Methyl-2-Pentanone
Concen: 10.242 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 2261170
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6





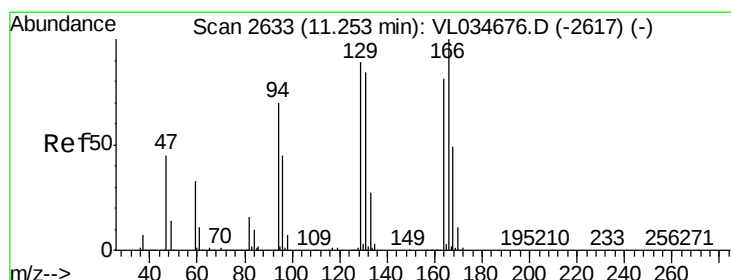
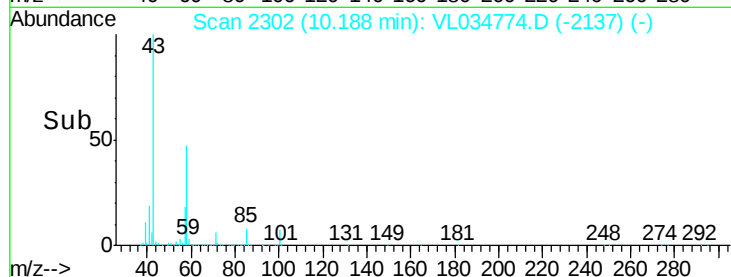
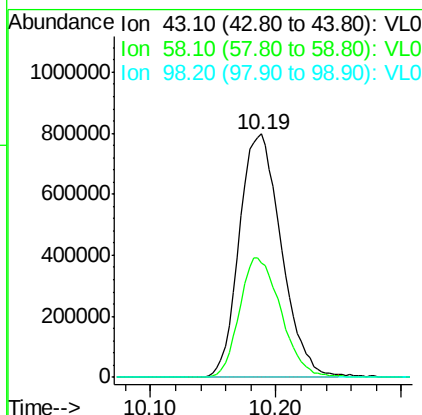
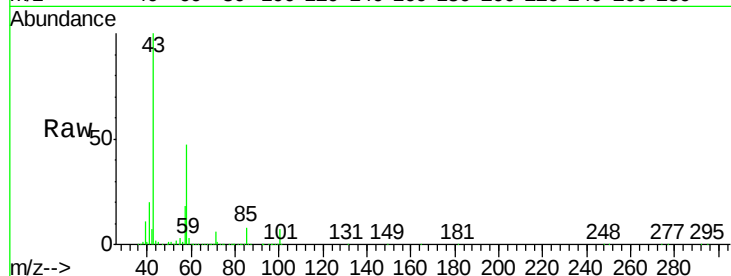
#51
2-Hexanone
Concen: 10.695 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1858113
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.3 0.2 0.2#

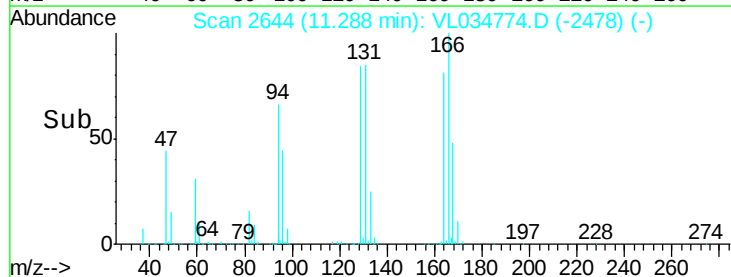
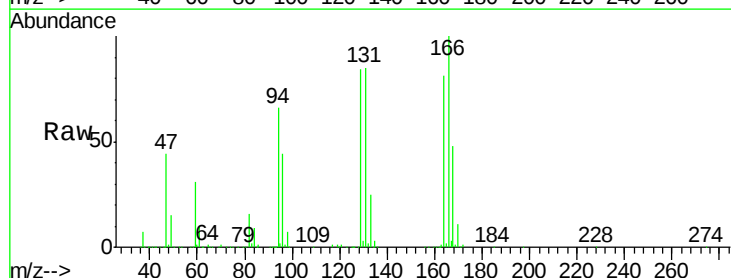
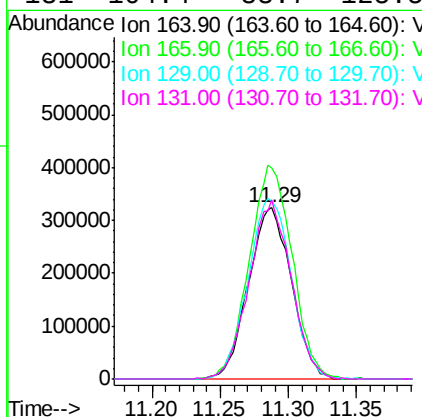
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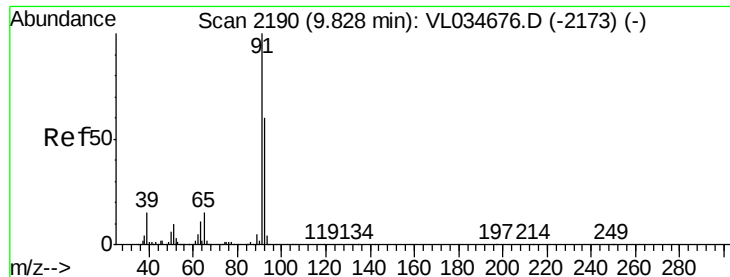
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#52
Tetrachloroethene
Concen: 9.019 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 164 Resp: 707059
Ion Ratio Lower Upper
164 100
166 123.4 99.2 148.8
129 103.8 88.0 132.0
131 104.4 83.7 125.5





#53

Toluene

Concen: 10.109 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2299748

Ion Ratio Lower Upper

91 100

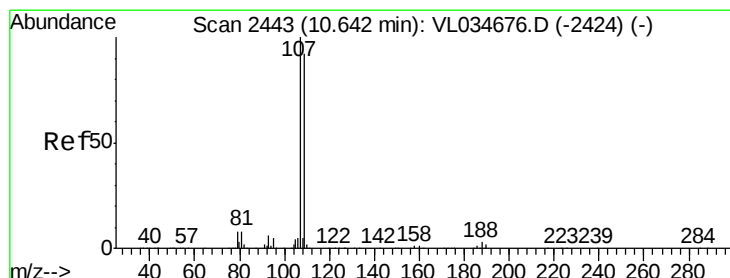
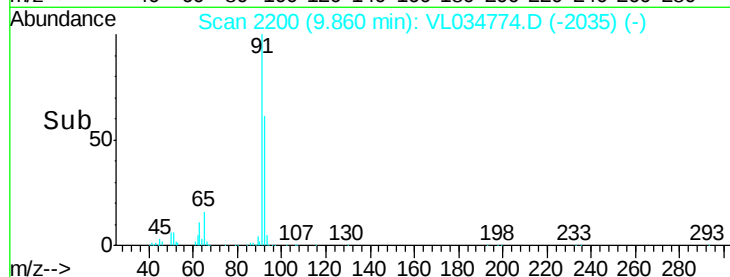
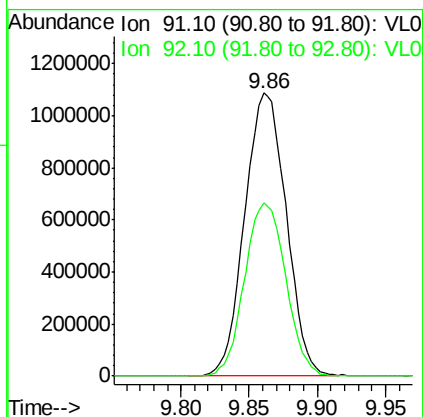
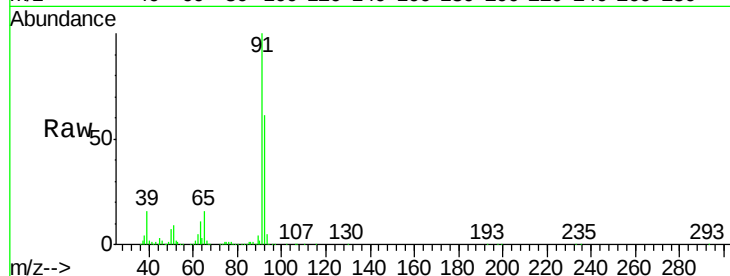
92 60.8 48.5 72.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.550 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.03 min

Lab File: VL034774.D

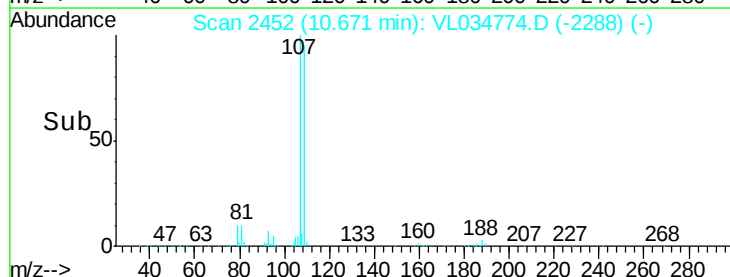
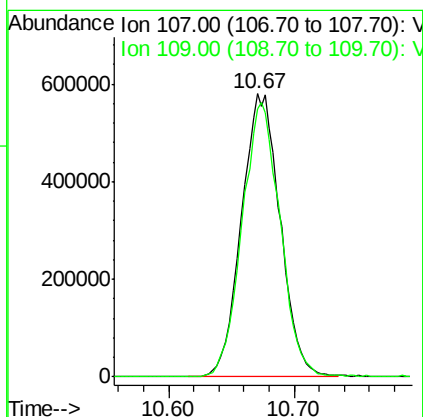
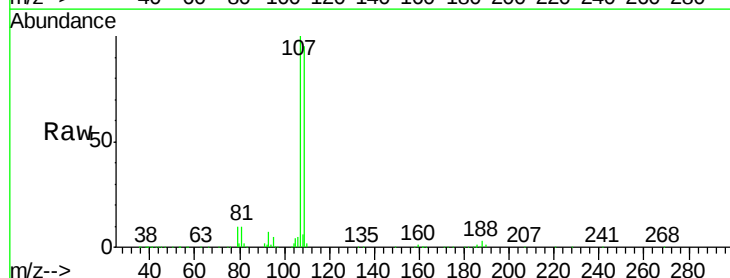
Acq: 3 Mar 2020 21:47

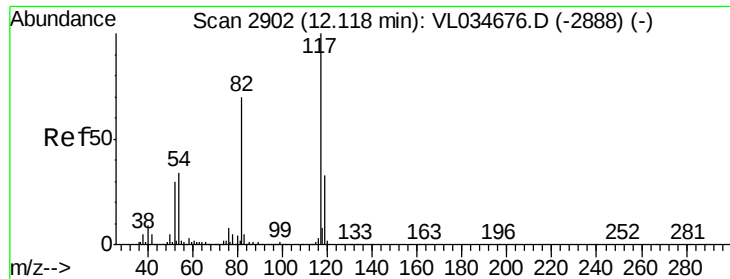
Tgt Ion: 107 Resp: 1243725

Ion Ratio Lower Upper

107 100

109 94.8 73.9 110.9





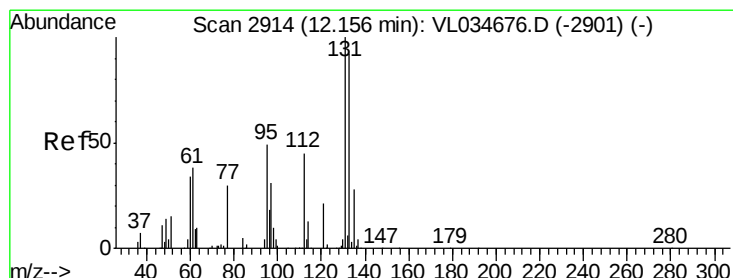
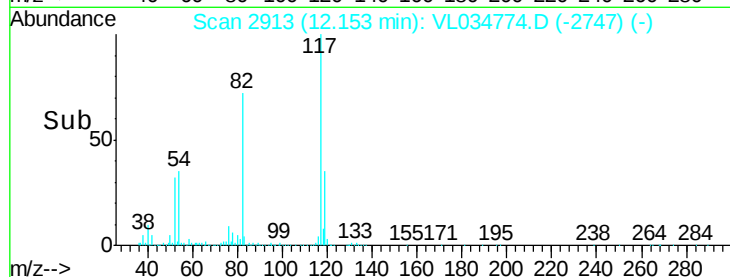
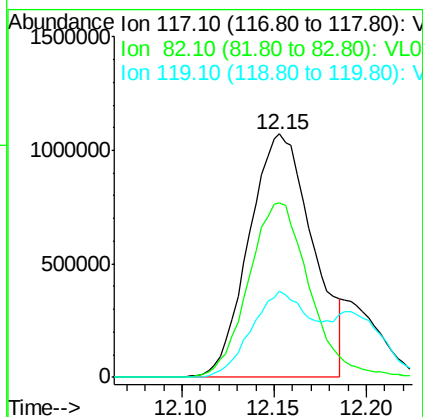
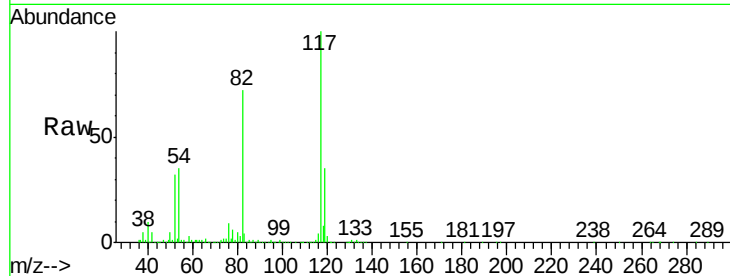
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.15 min Scan# 2913
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.1	54.1	81.1
119	32.5	27.6	41.4

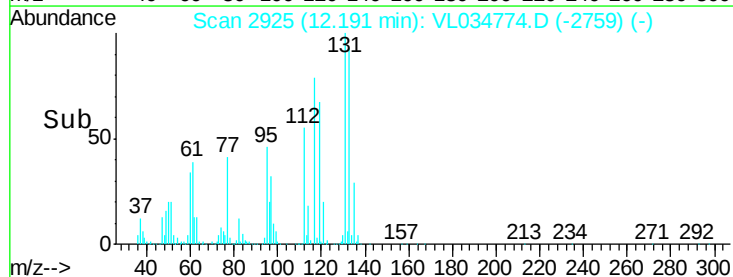
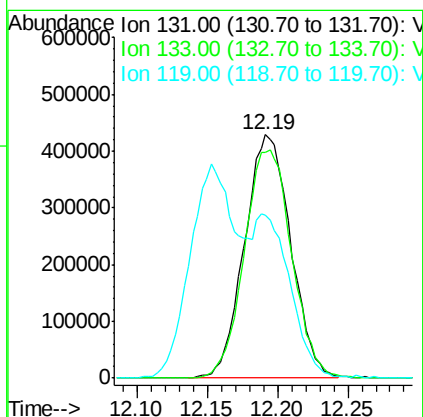
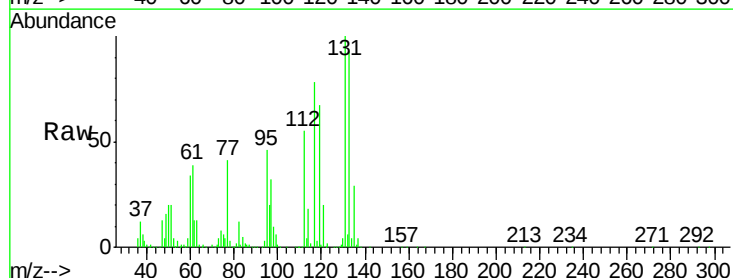
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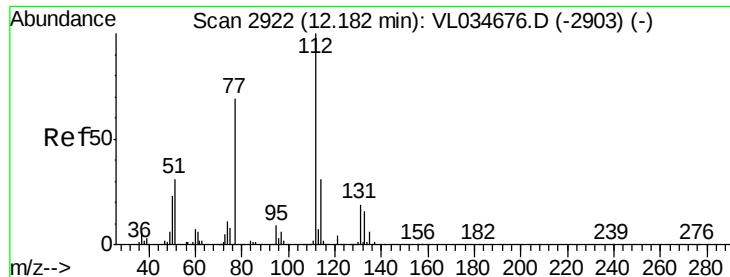
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.963 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.6	114.8
119	145.3	51.3	76.9#





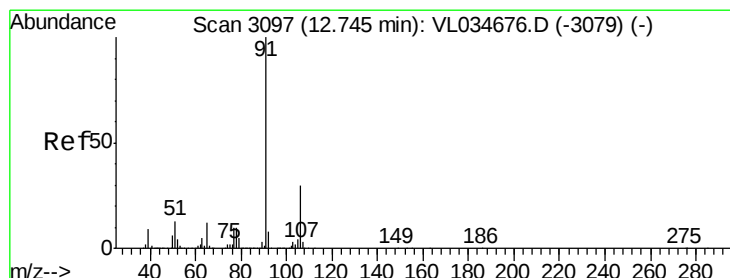
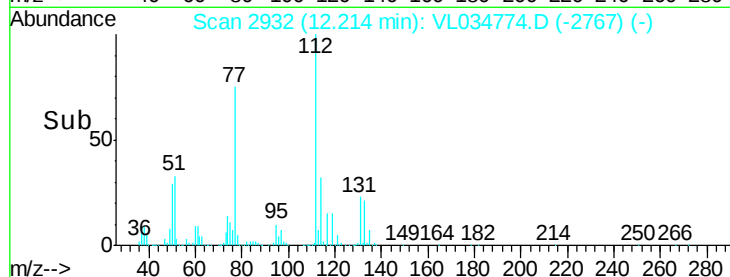
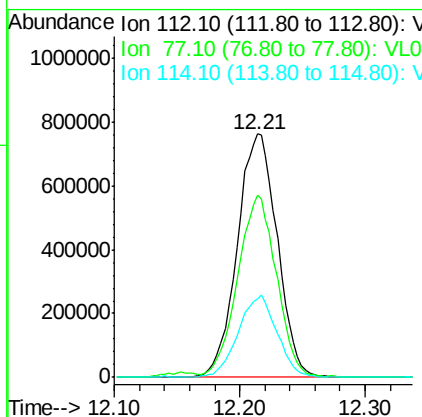
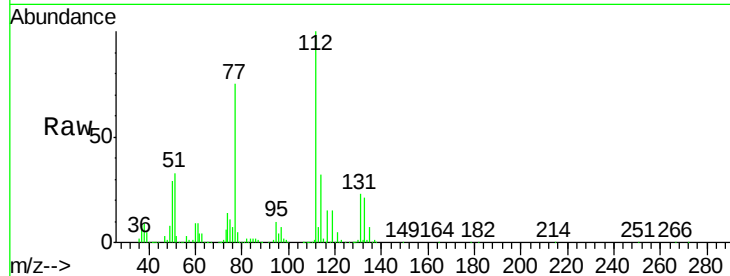
#57
Chlorobenzene
Concen: 8.824 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.8	56.5	84.7
114	32.0	28.1	34.3

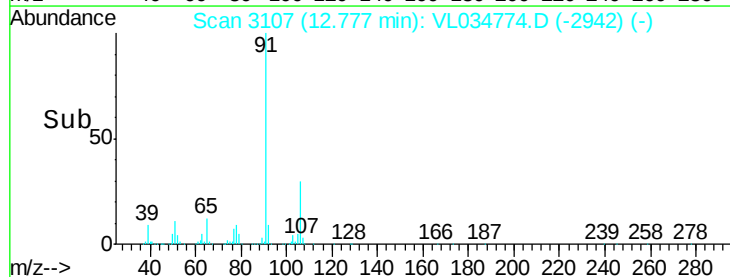
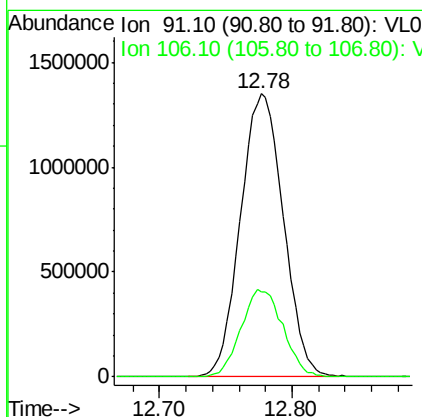
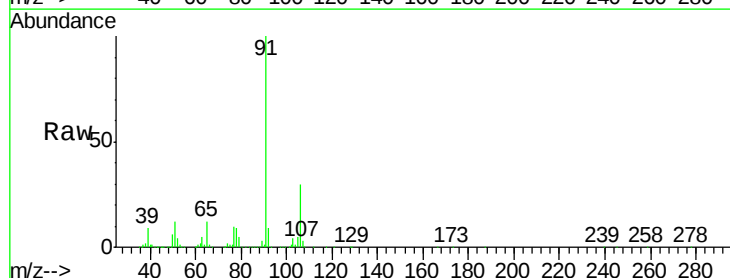
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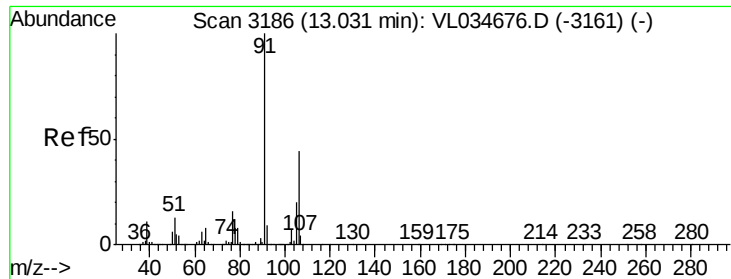
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#58
Ethyl Benzene
Concen: 9.750 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0





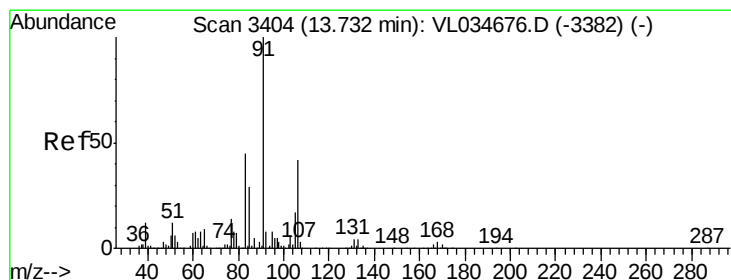
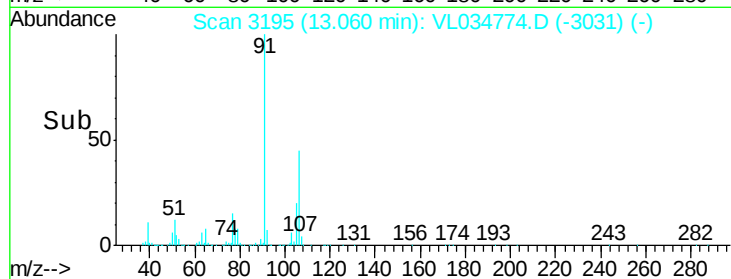
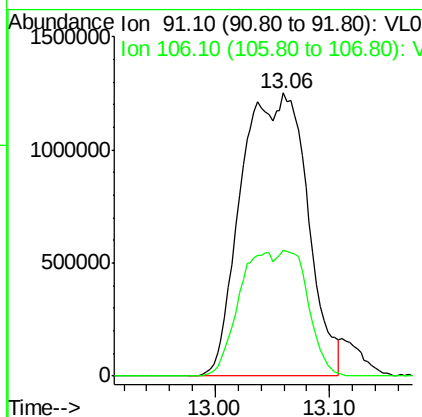
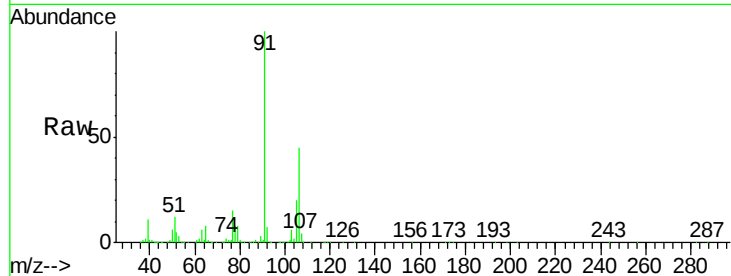
#59
m/p-Xylene
Concen: 18.509 ppbv m
RT: 13.06 min Scan# 3195
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5029752
Ion Ratio Lower Upper
91 100
106 44.6 35.6 53.4

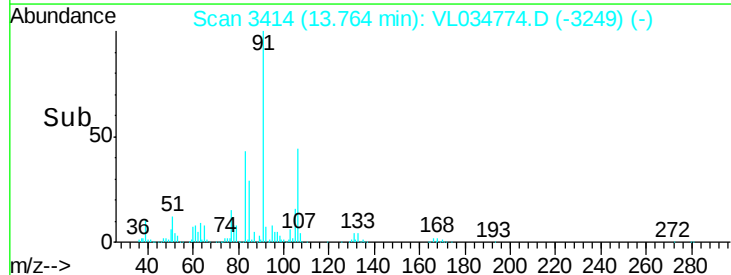
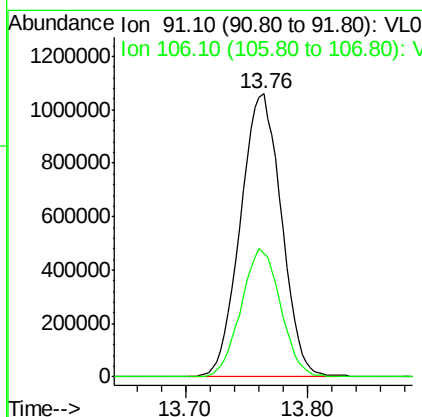
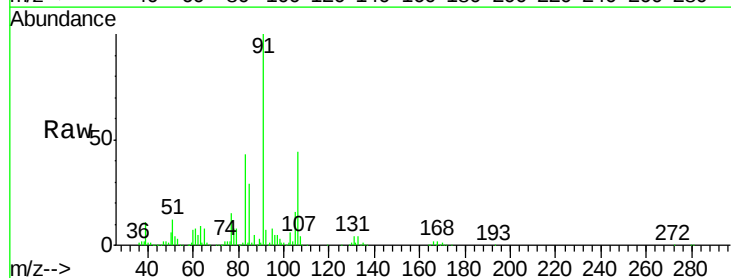
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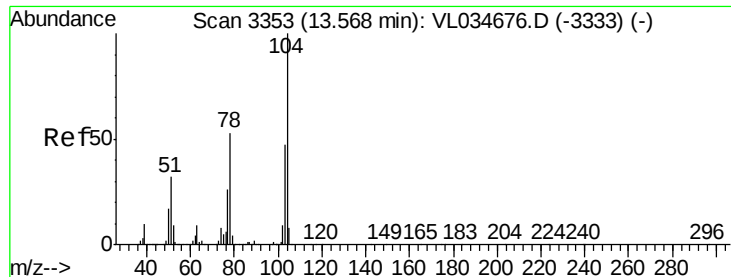
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#60
o-Xylene
Concen: 9.103 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 2454750
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.5





#61

Stvrene

Concen: 10.171 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1761726

Ion Ratio Lower Upper

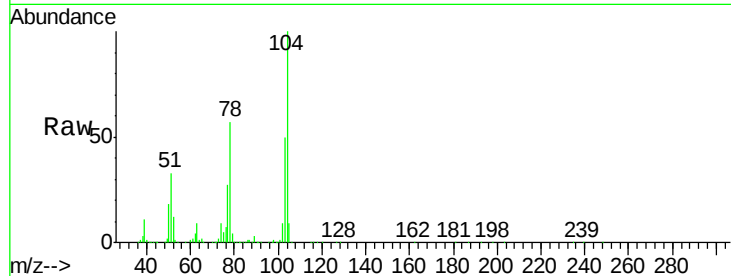
104 100

78 56.0 44.2 66.4

103 48.1 37.4 56.0

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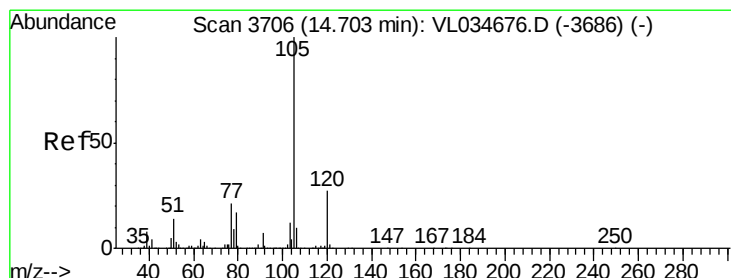
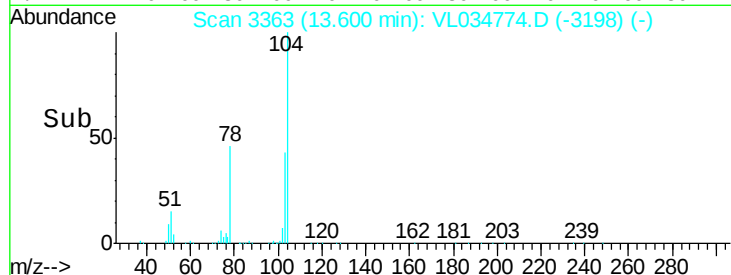
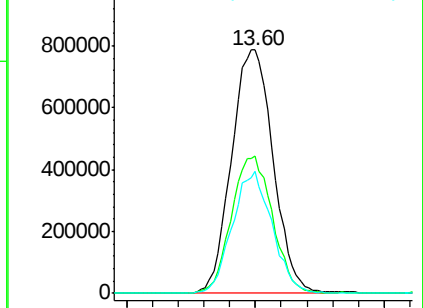
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.134 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. 0.04 min

Lab File: VL034774.D

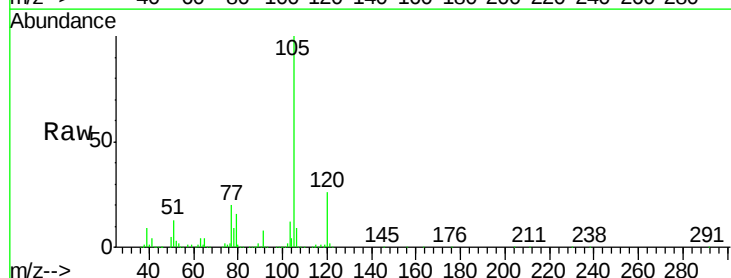
Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 3593104

Ion Ratio Lower Upper

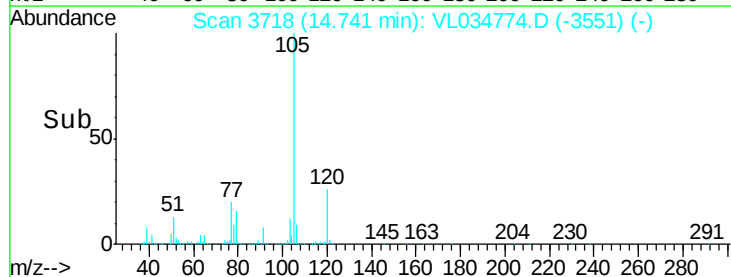
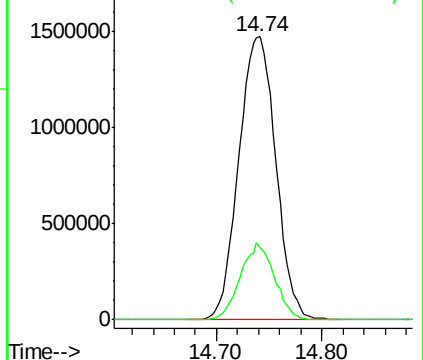
105 100

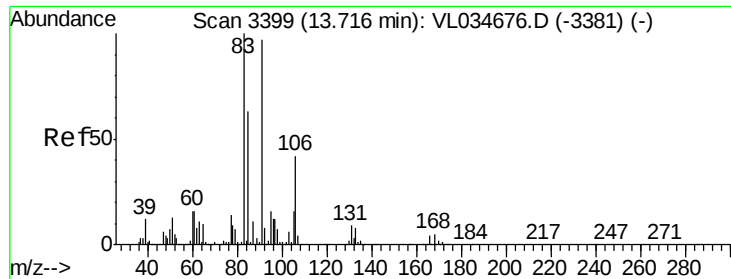
120 25.0 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





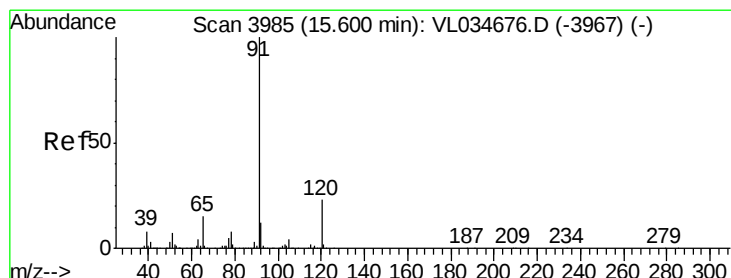
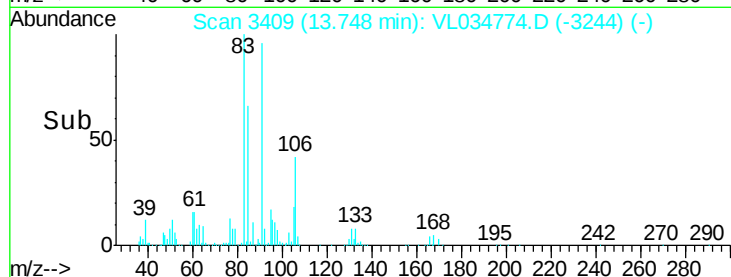
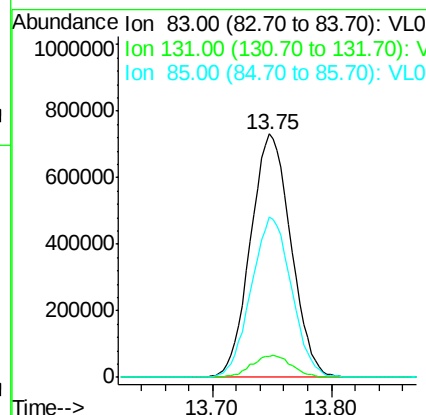
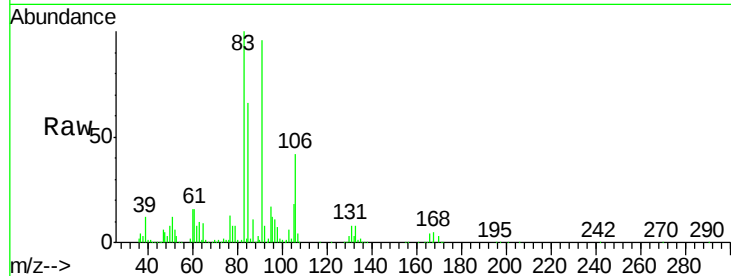
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.195 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.4	13.2
85	65.6	32.5	97.5

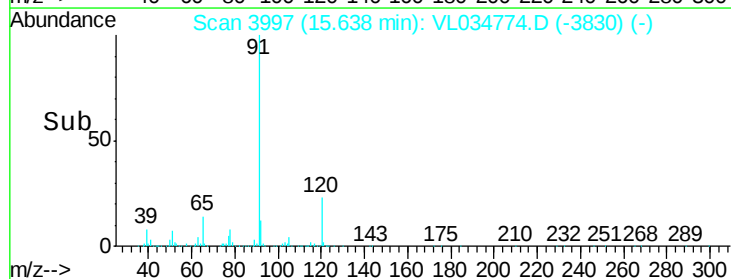
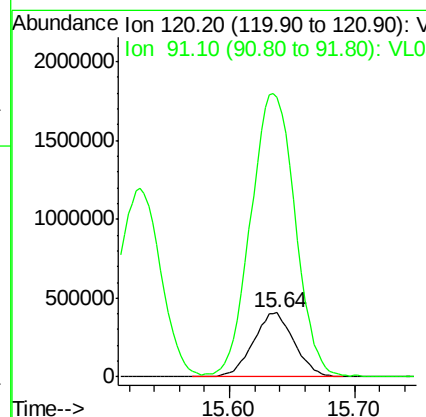
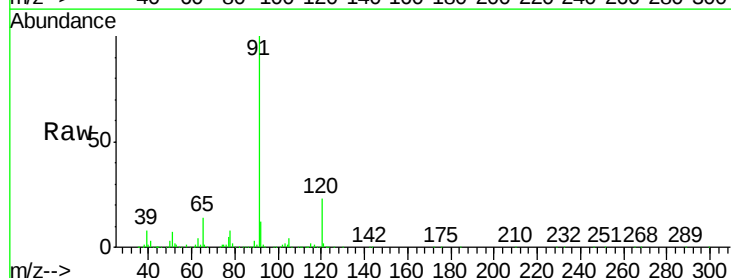
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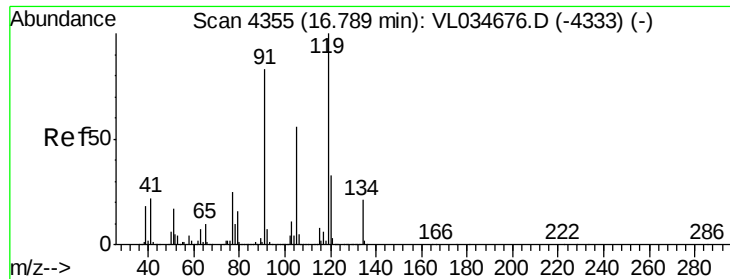
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 3/4/2020 4:49:30 PM



#64
 n-propylbenzene
 Concen: 9.046 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
120	100		
91	484.6	369.8	554.8





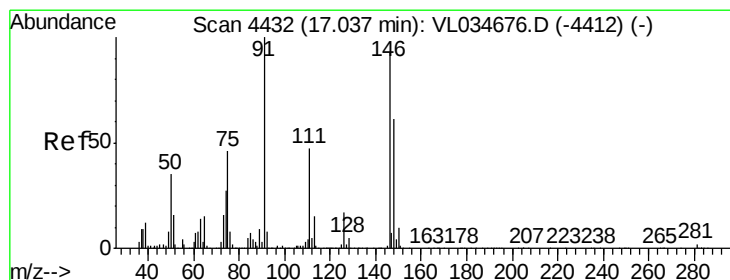
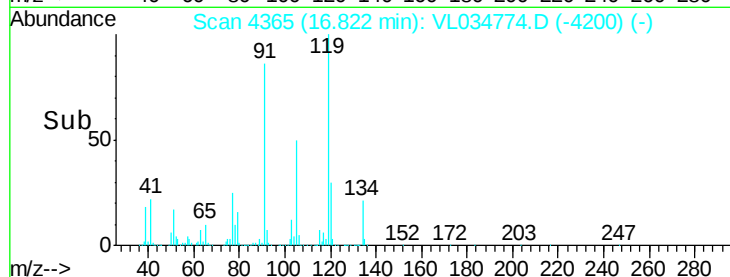
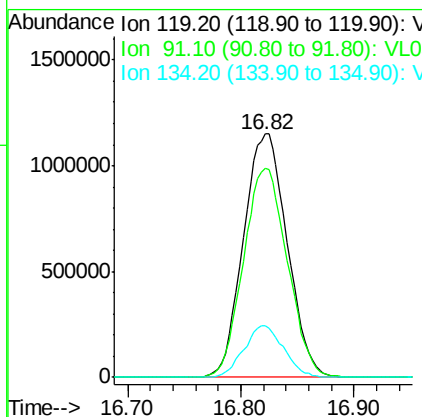
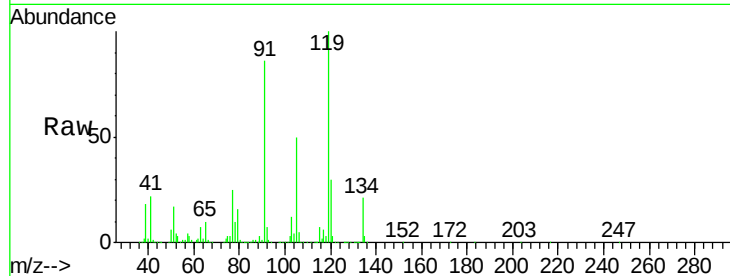
#65
tert-Butylbenzene
Concen: 9.100 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 3091004
Ion Ratio Lower Upper
119 100
91 86.3 69.1 103.7
134 19.2 15.8 23.8

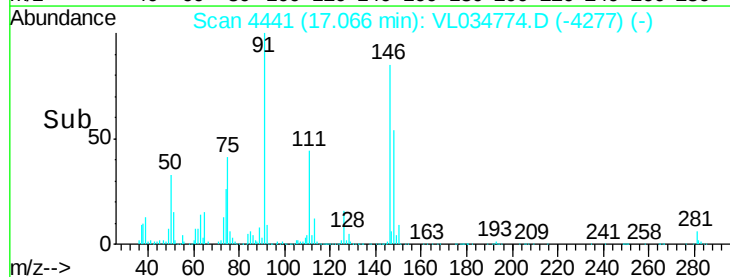
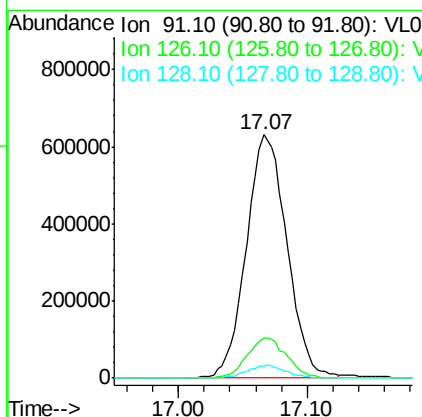
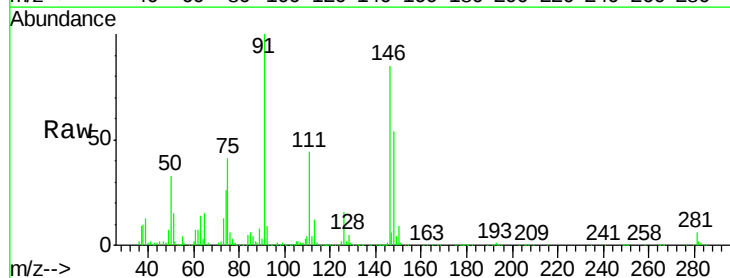
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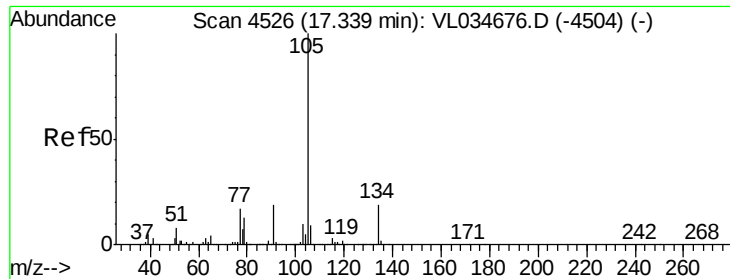
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#66
Benzyl Chloride
Concen: 10.898 ppbv
RT: 17.07 min Scan# 4441
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 1380770
Ion Ratio Lower Upper
91 100
126 16.4 13.5 20.3
128 5.1 4.2 6.4





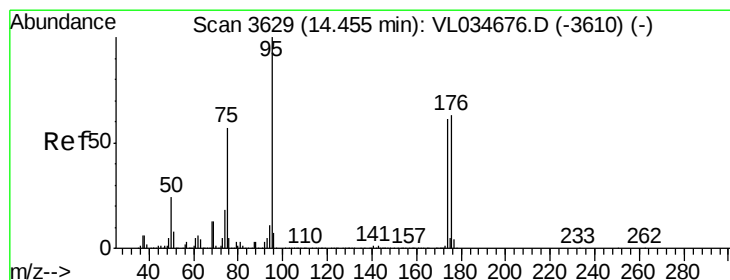
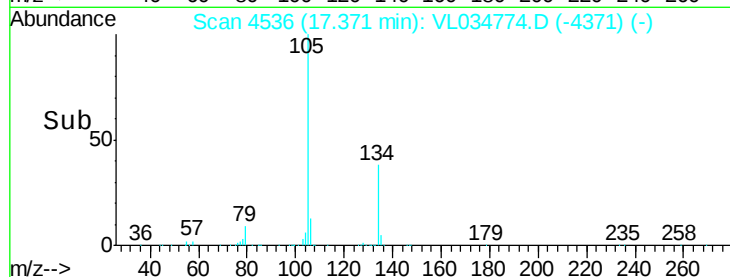
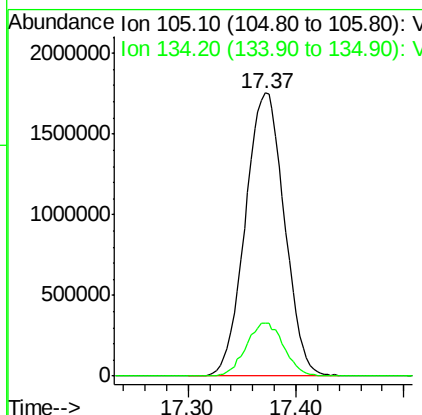
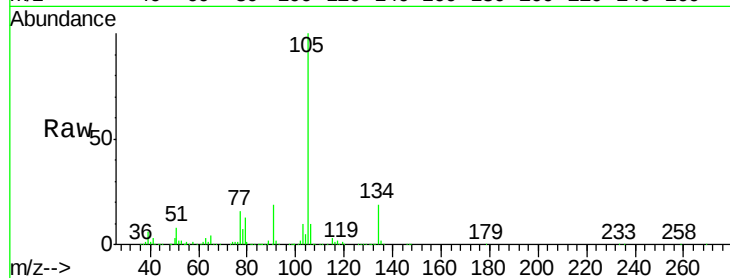
#67
 sec-Butylbenzene
 Concen: 9.043 ppbv
 RT: 17.37 min Scan# 4536
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 4420114
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.8 22.2

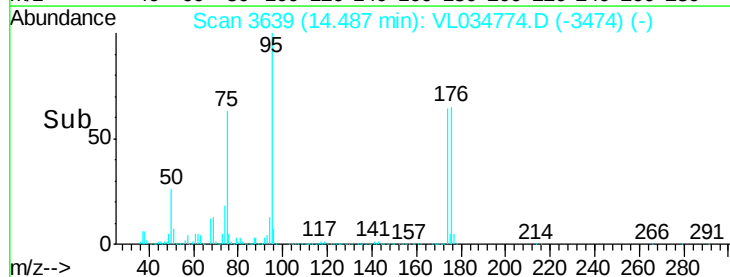
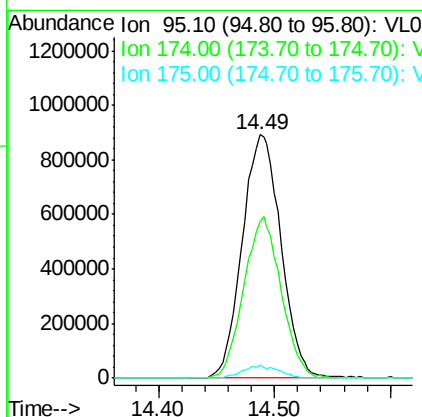
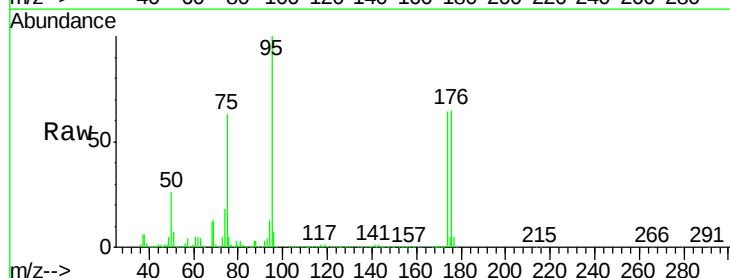
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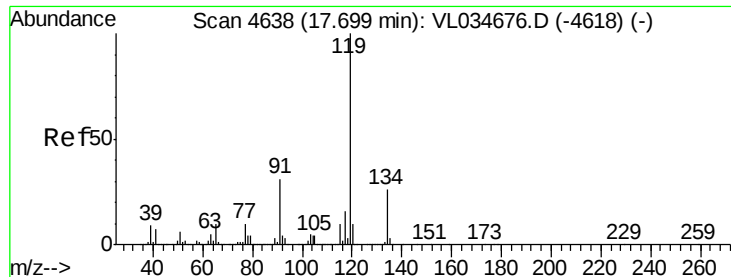
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.801 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 95 Resp: 2069607
 Ion Ratio Lower Upper
 95 100
 174 64.2 50.7 76.1
 175 4.9 3.9 5.9





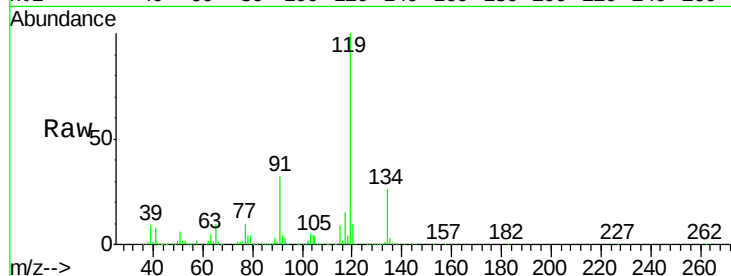
#69
 p-Isopropyltoluene
 Concen: 9.125 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

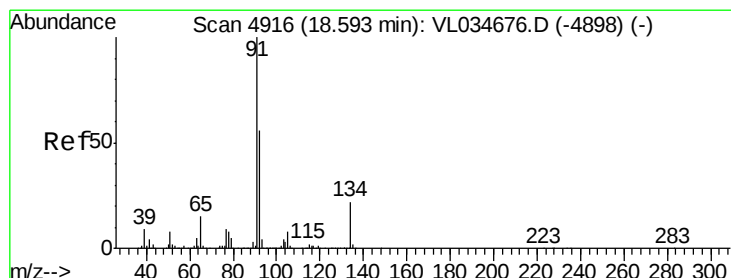
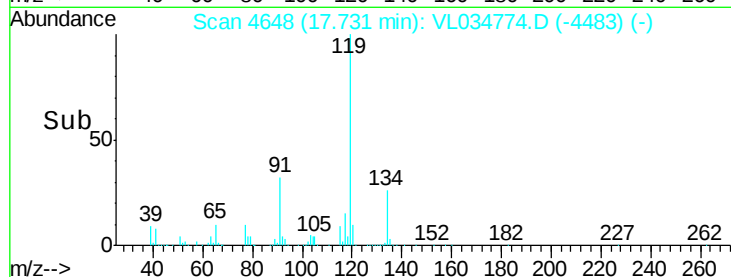
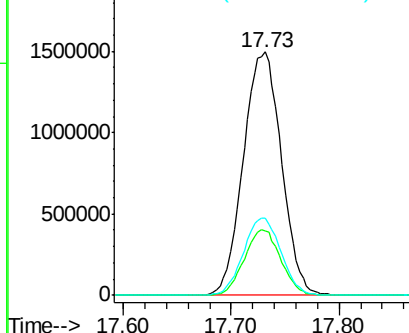
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	31.5	25.3	37.9

Manual Integrations
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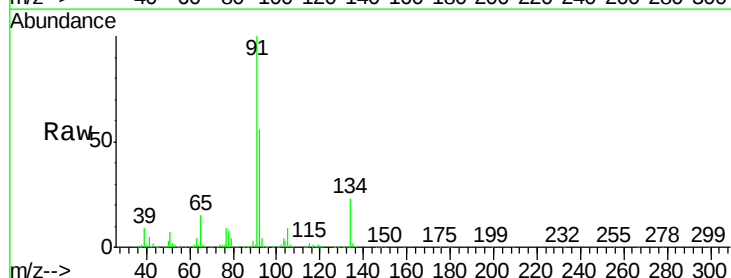


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

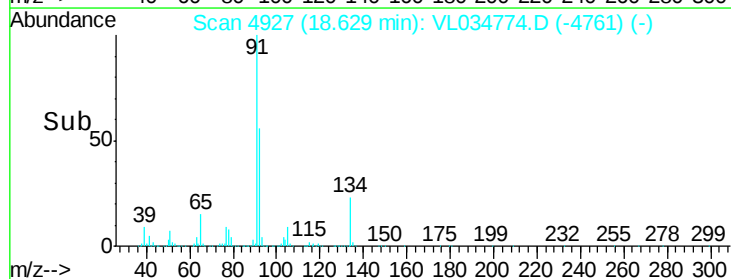
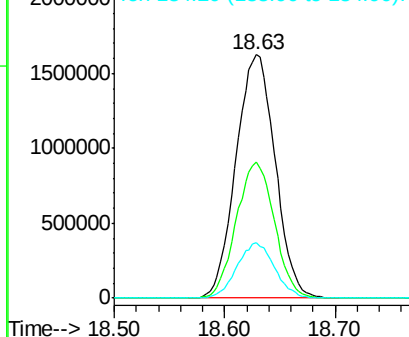


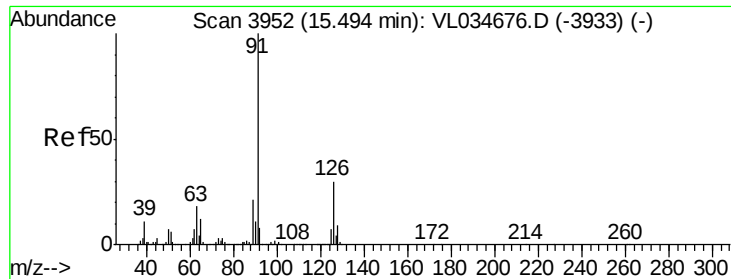
#70
 n-Butylbenzene
 Concen: 9.114 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	21.9	17.6	26.4



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





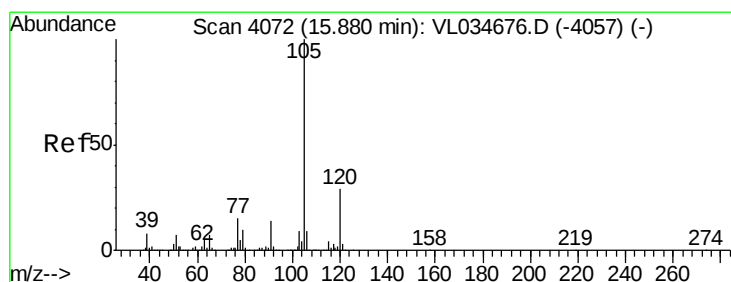
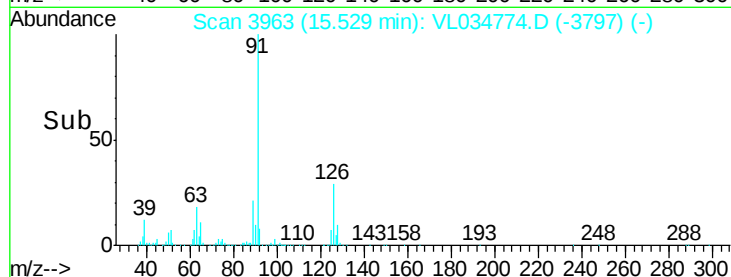
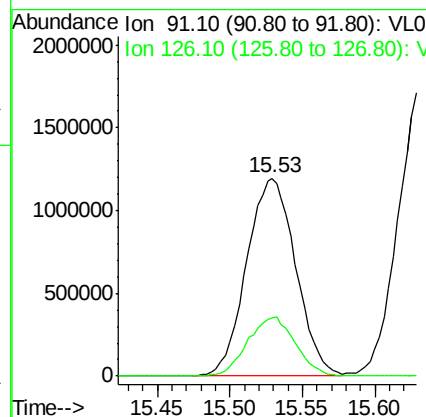
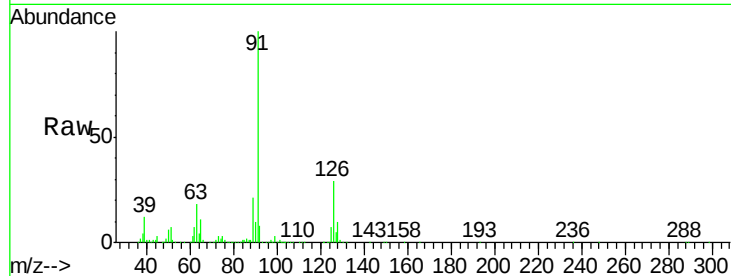
#71
 2-Chlorotoluene
 Concen: 9.204 ppbv
 RT: 15.53 min Scan# 3963
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 2804016
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.2

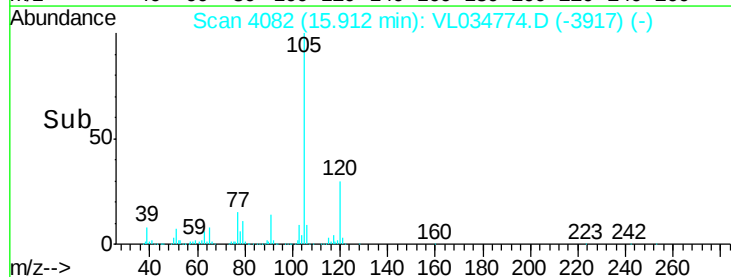
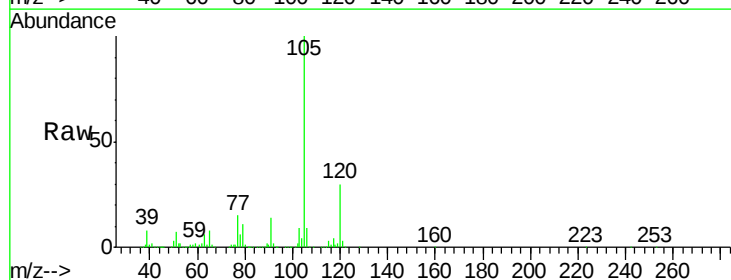
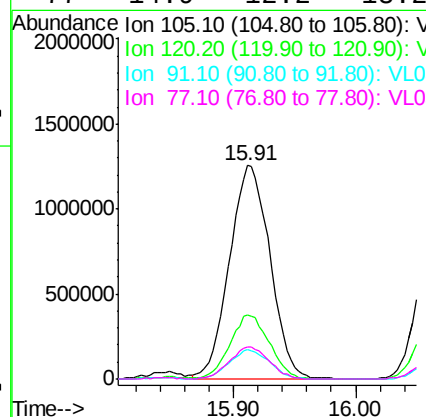
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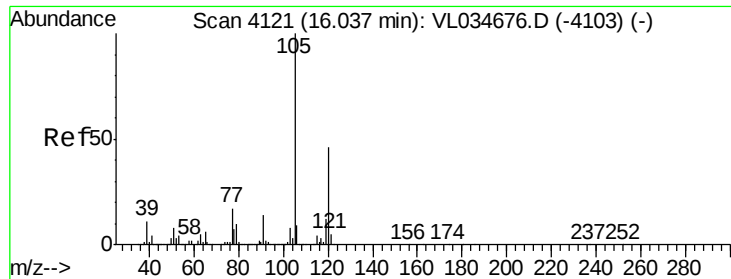
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#72
 4-Ethyltoluene
 Concen: 9.628 ppbv
 RT: 15.91 min Scan# 4082
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 105 Resp: 2889756
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.7 35.5
 91 13.5 10.9 16.3
 77 14.9 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 9.453 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2729431

Ion Ratio Lower Upper

105 100

120 45.9

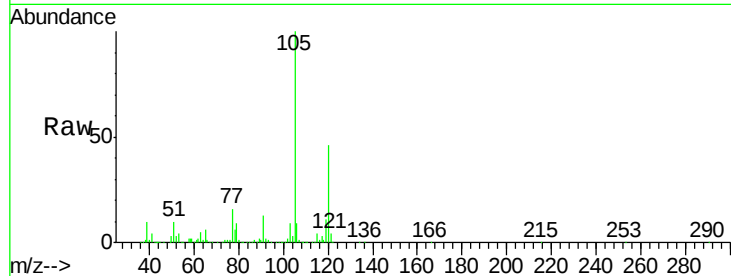
37.1

55.7

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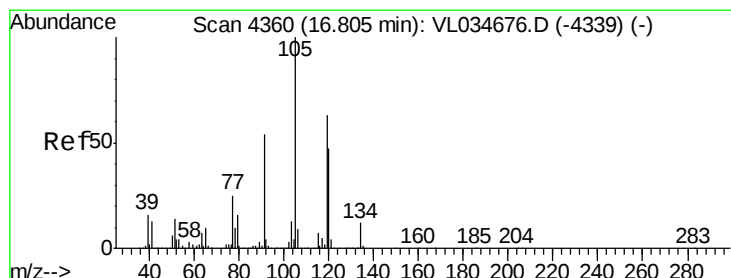
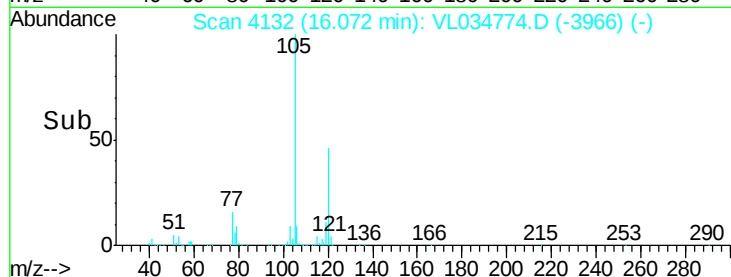
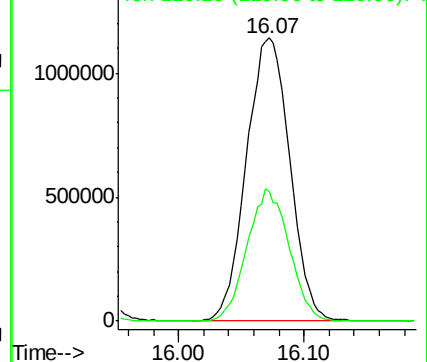
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.825 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 2814100

Ion Ratio Lower Upper

105 100

120 45.0

37.9

56.9

91 45.8

43.9

65.9

77 22.7

20.3

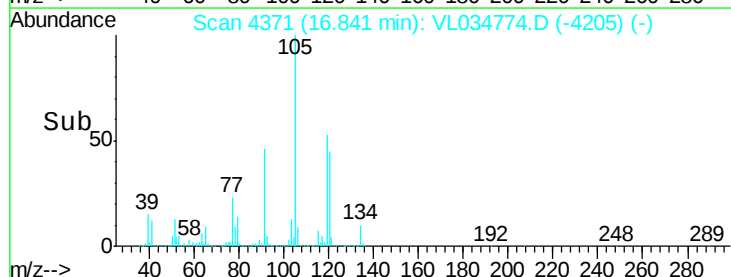
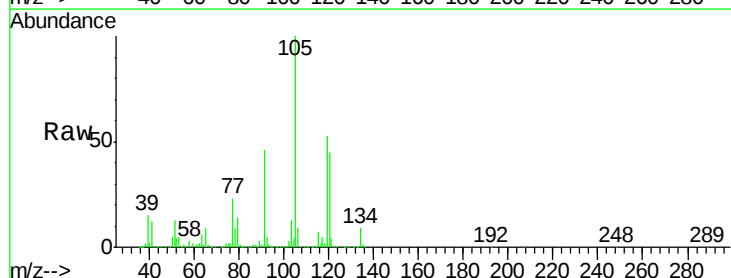
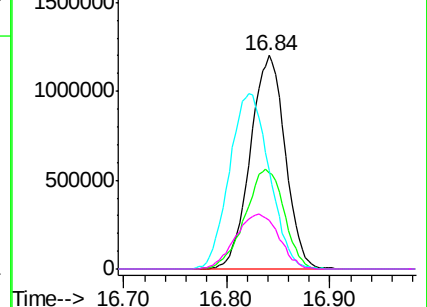
30.5

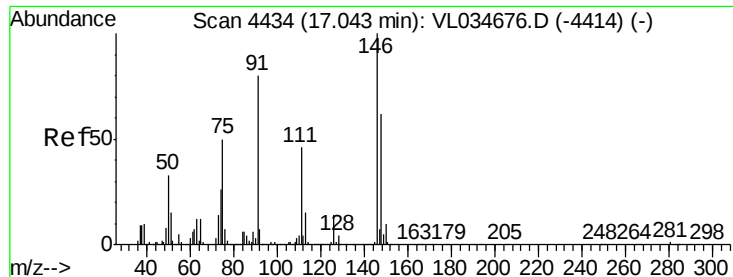
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





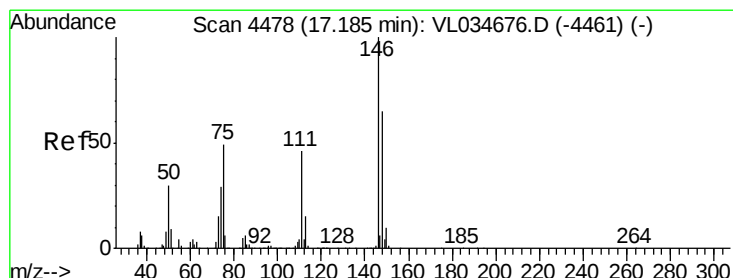
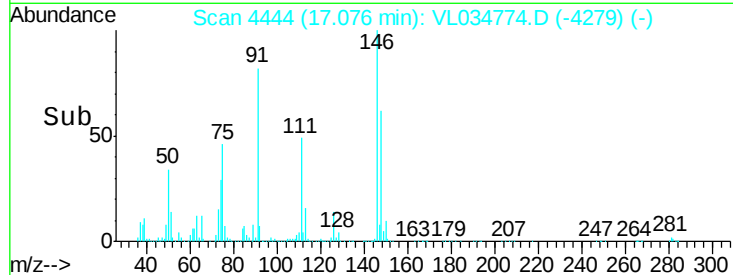
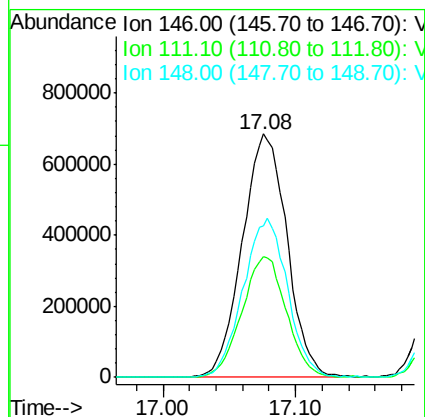
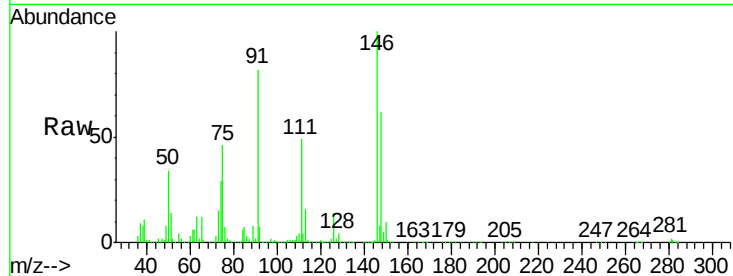
#75
 1,3-Dichlorobenzene
 Concen: 8.741 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1608809
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.4 73.2
 148 64.9 32.5 97.4

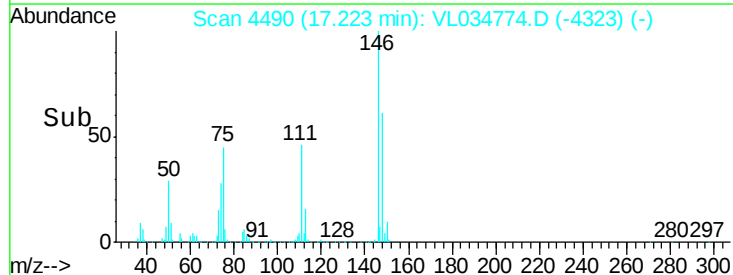
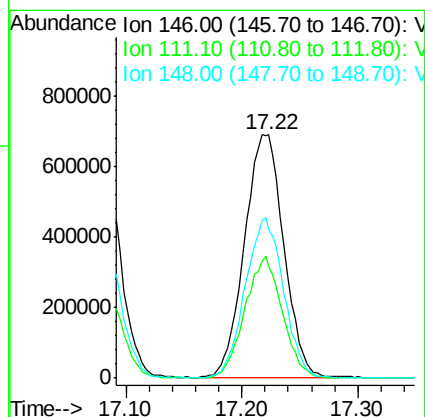
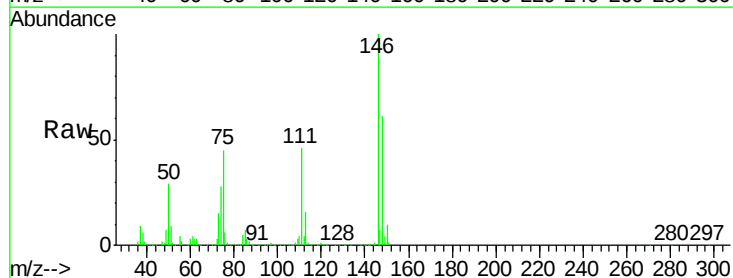
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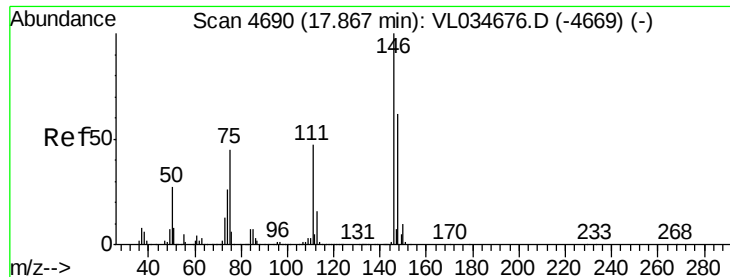
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#76
 1,4-Dichlorobenzene
 Concen: 8.813 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:146 Resp: 1622961
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.0
 148 64.6 31.9 95.5





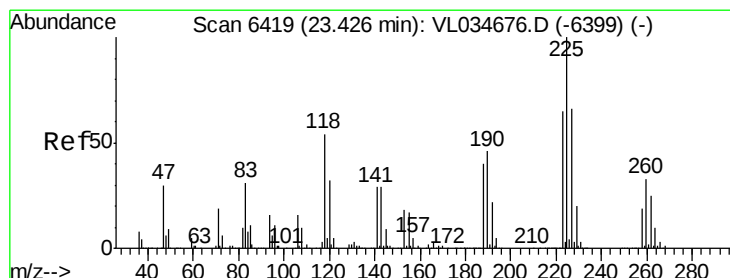
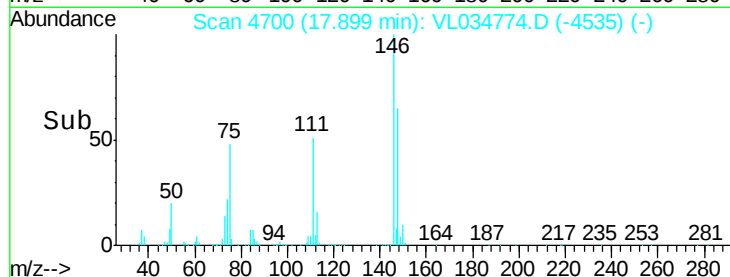
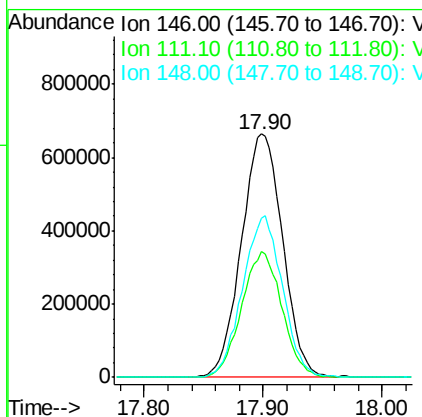
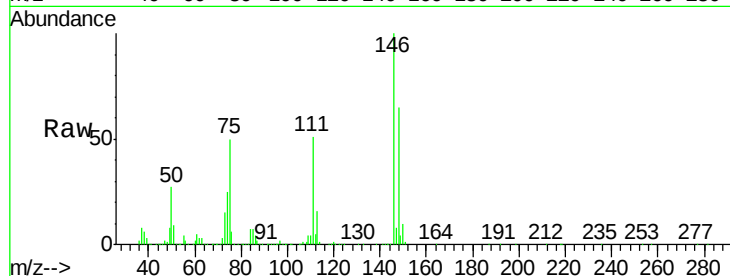
#77
 1,2-Dichlorobenzene
 Concen: 8.973 ppbv
 RT: 17.90 min Scan# 4700
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1596708
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.9 74.7
 148 64.1 32.0 96.0

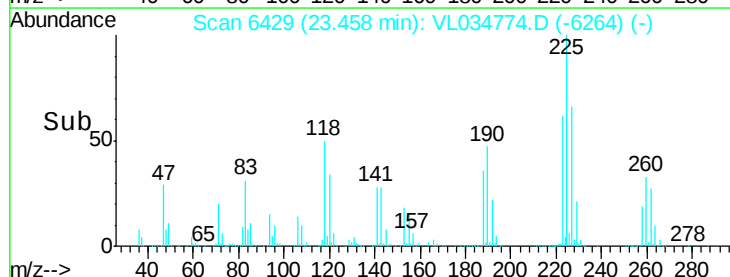
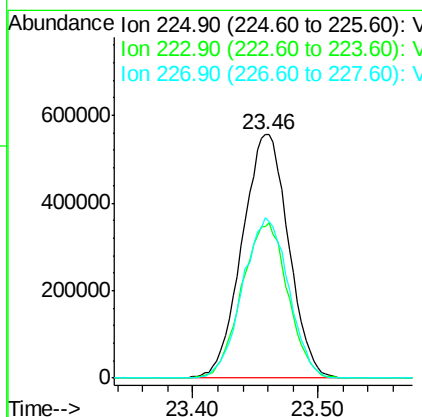
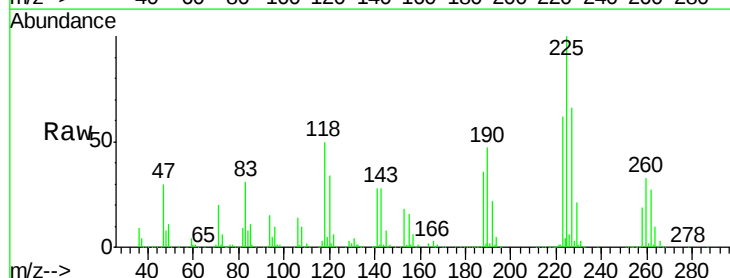
Manual Integrations
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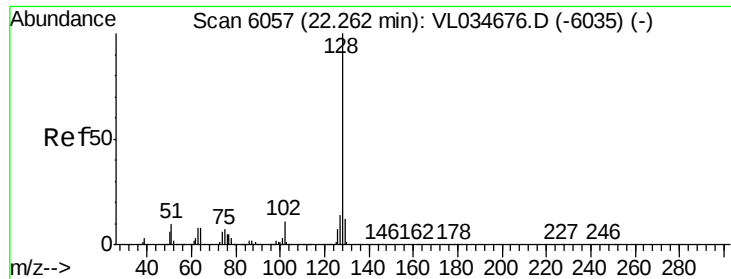
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.240 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:225 Resp: 1431686
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.3 76.9
 227 65.2 51.3 76.9





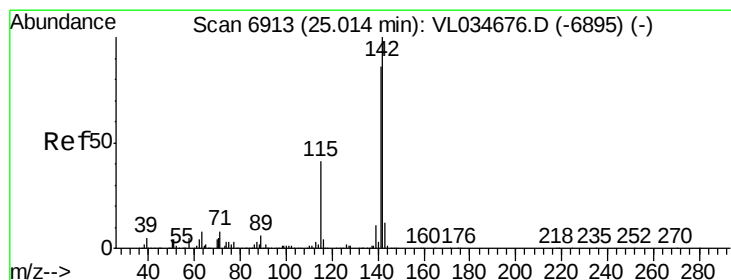
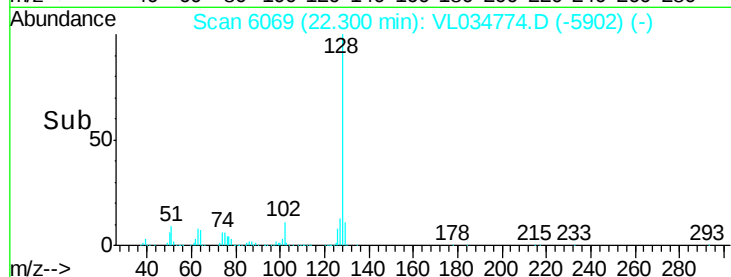
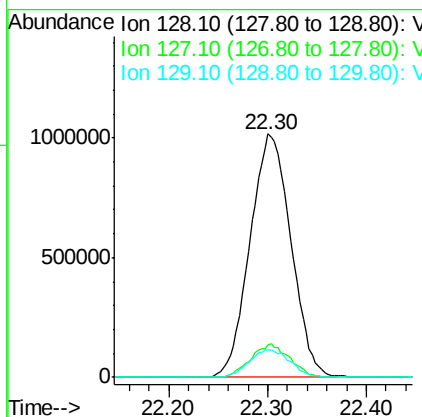
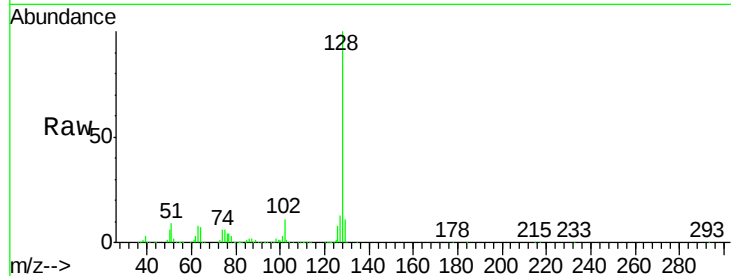
#79
Naphthalene
Concen: 10.381 ppbv
RT: 22.30 min Scan# 6069
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.6
129	11.0	9.4	14.2

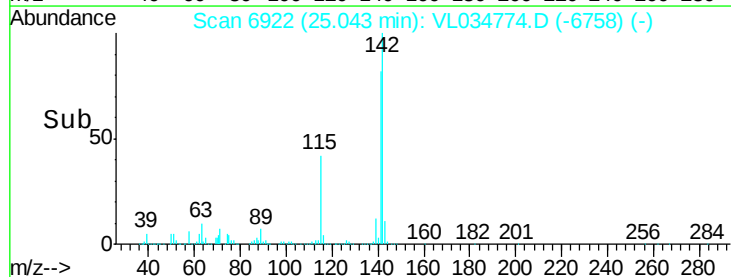
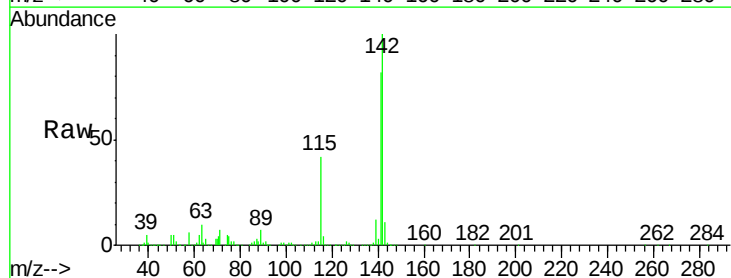
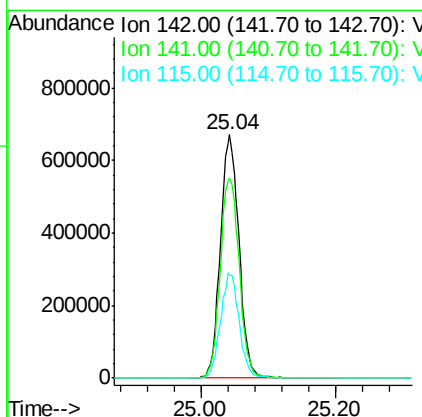
Manual Integrations
APPROVED

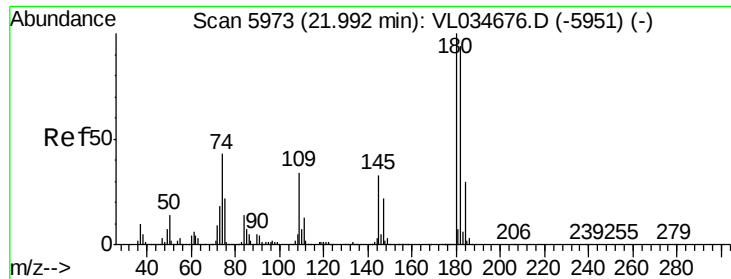
MMDadoda
3/4/2020 4:49:30 PM



#80
Naphthalene, 2-methyl-
Concen: 14.982 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	66.5	99.7
115	43.2	30.6	46.0





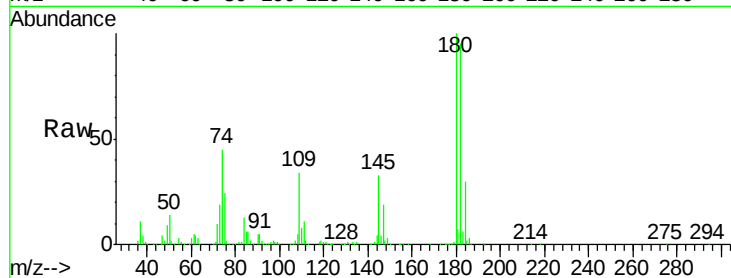
#81
 1,2,4-Trichlorobenzene
 Concen: 9.888 ppbv m
 RT: 22.03 min Scan# 5984
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.5	114.7#
184	31.3	25.2	37.8

Manual Integrations
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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

