

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035336.D
 Acq On : 5 Aug 2020 10:36
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:56 PM

Quant Time: Aug 05 11:12:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 2020
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1346301	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3459506	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3110142	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2742468	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	128759	0.731	ppbv	89
3) Chlorodifluoromethane	2.94	51	85362	0.552	ppbv	95
4) Chloromethane	3.10	50	49080	0.556	ppbv	97
5) Vinyl Chloride	3.21	62	43724	0.508	ppbv	90
6) Bromomethane	3.44	94	29810m	0.527	ppbv	
7) Chloroethane	3.52	64	18406	0.538	ppbv	90
8) Dichlorotetrafluoroethane	3.14	85	121480	0.572	ppbv	99
9) Propene	2.96	41	27280	0.488	ppbv	94
10) Heptane	8.13	43	52795	0.368	ppbv	92
11) Trichlorofluoromethane	3.92	101	131025m	0.569	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.45	101	93794m	0.585	ppbv	
13) Ethanol	3.58	45	11004m	0.533	ppbv	
14) Bromoethene	3.70	108	34405	0.521	ppbv #	93
15) Acetone	3.82	43	116620	0.599	ppbv	95
16) 1,3-Butadiene	3.29	39	37749m	0.520	ppbv	
17) tert-Butyl alcohol	4.27	59	93223	0.526	ppbv	99
18) 1,1-Dichloroethene	4.26	96	37563	0.520	ppbv	96
19) Isopropyl Alcohol	3.94	45	65305	0.534	ppbv #	90
20) Methylene Chloride	4.31	84	45776	0.515	ppbv #	93
21) Allyl Chloride	4.38	41	56197	0.510	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	35725	0.499	ppbv #	87
23) Vinyl Acetate	5.06	43	78894	0.409	ppbv #	94
24) 1,1-Dichloroethane	4.99	63	90902	0.506	ppbv	98
25) Ethyl Acetate	5.67	43	143669	0.488	ppbv	97
26) Hexane	5.67	57	59785	0.454	ppbv	87
27) Carbon Disulfide	4.52	76	86781	0.490	ppbv #	83
28) Methyl tert-Butyl Ether	5.02	73	81696	0.413	ppbv	99
29) Chloroform	5.74	83	117317	0.526	ppbv	99
30) Cyclohexane	7.13	84	46152m	0.467	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	48000m	0.395	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	111919	0.519	ppbv	99
34) 2-Butanone	5.23	43	72167	0.396	ppbv	100
35) Carbon Tetrachloride	7.02	117	114614	0.512	ppbv #	91
36) Benzene	6.89	78	98167	0.387	ppbv	99
37) 1,2-Dichloroethane	6.30	62	85333	0.497	ppbv	100
38) Trichloroethene	7.84	130	43338m	0.465	ppbv	
39) 1,2-Dichloropropane	7.62	63	42706	0.427	ppbv #	86
40) 1,4-Dioxane	7.86	88	18139m	0.418	ppbv	
41) Tetrahydrofuran	6.06	42	29540m	0.329	ppbv	
42) Bromodichloromethane	7.79	83	103075	0.440	ppbv	95
43) Methyl Methacrylate	8.03	69	35562m	0.336	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	171082m	0.394	ppbv	
45) t-1,3-Dichloropropene	9.29	75	35008m	0.310	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	43878m	0.324	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	55793m	0.481	ppbv	
48) Dibromochloromethane	10.32	129	84635m	0.448	ppbv	
49) Bromoform	13.07	173	75731m	0.461	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	105954m	0.412	ppbv	
51) 2-Hexanone	10.17	43	73952m	0.372	ppbv	
52) Tetrachloroethene	11.24	164	36521m	0.409	ppbv	
53) Toluene	9.82	91	84544m	0.317	ppbv	
54) 1,2-Dibromoethane	10.62	107	73980m	0.431	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	80331m	0.550	ppbv	
57) Chlorobenzene	12.17	112	125066	0.525	ppbv	96
58) Ethyl Benzene	12.73	91	114874m	0.337	ppbv	
59) m/p-Xylene	13.02	91	255153m	0.811	ppbv	
60) o-Xylene	13.72	91	123054m	0.396	ppbv	
61) Styrene	13.56	104	55917m	0.293	ppbv	
62) Isopropylbenzene	14.70	105	193560	0.413	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	129969	0.533	ppbv	99
64) n-propylbenzene	15.60	120	51042m	0.416	ppbv	
65) tert-Butylbenzene	16.78	119	170895	0.407	ppbv	93
66) Benzyl Chloride	17.02	91	73179m	0.451	ppbv	
67) sec-Butylbenzene	17.33	105	245110	0.413	ppbv	98
69) p-Isopropyltoluene	17.69	119	184714m	0.376	ppbv	
70) n-Butylbenzene	18.59	91	213840	0.405	ppbv	90
71) 2-Chlorotoluene	15.48	91	124627	0.356	ppbv	100
72) 4-Ethyltoluene	15.87	105	125550	0.358	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.04	105	121159	0.353	ppbv	93
74) 1,2,4-Trimethylbenzene	16.80	105	170168m	0.432	ppbv	
75) 1,3-Dichlorobenzene	17.04	146	131370m	0.536	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	108957m	0.470	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	112541m	0.498	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	103018m	0.561	ppbv	
79) Naphthalene	22.27	128	90668m	0.291	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	5507	0.060	ppbv	85
81) 1,2,4-Trichlorobenzene	21.99	180	71388m	0.376	ppbv	

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

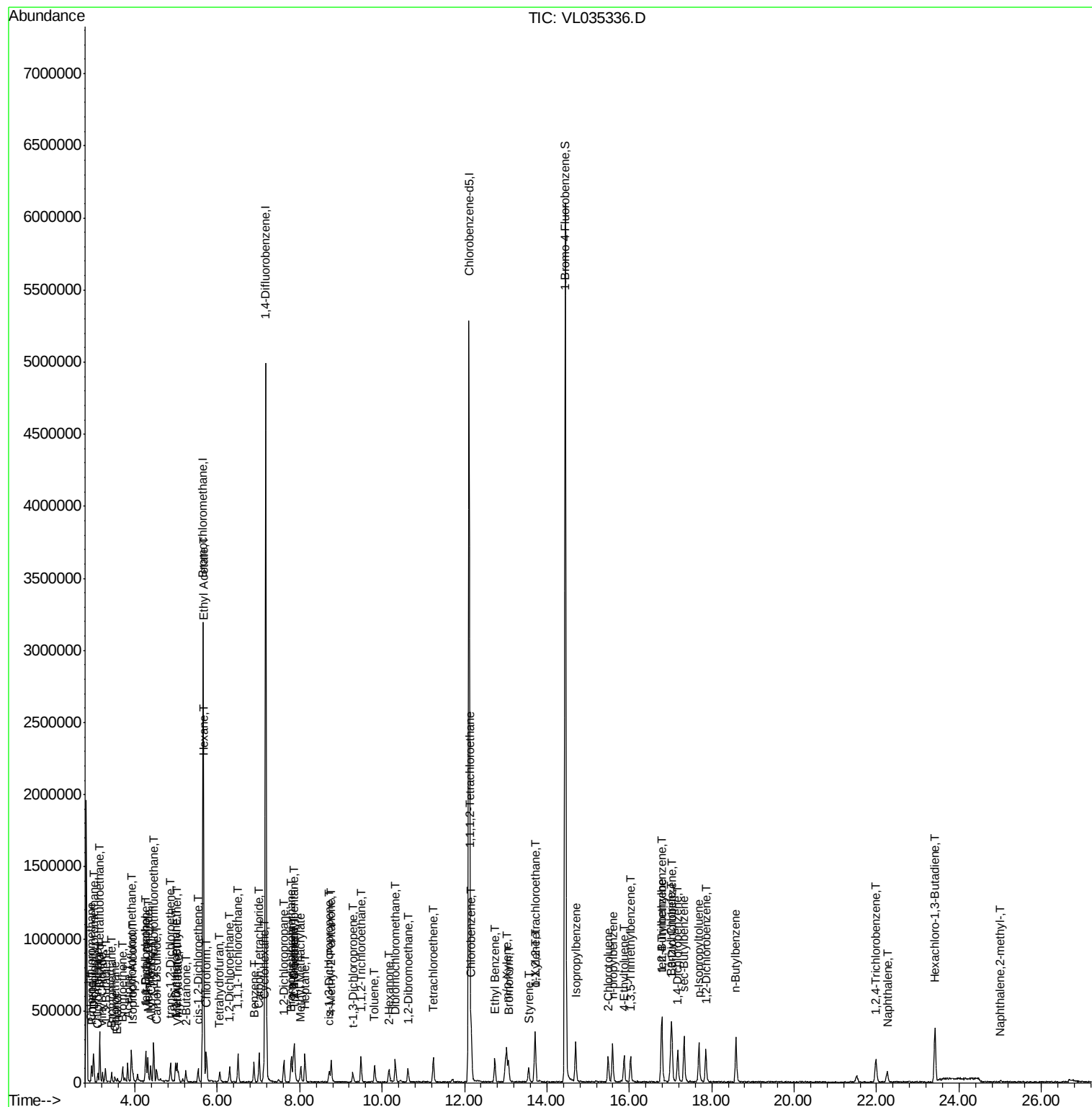
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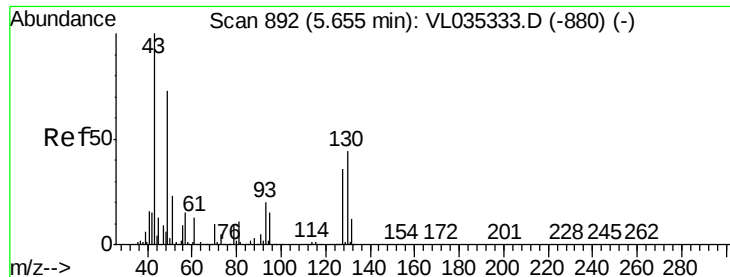
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 05 09:32:28 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1346301

Ion Ratio Lower Upper

49 100

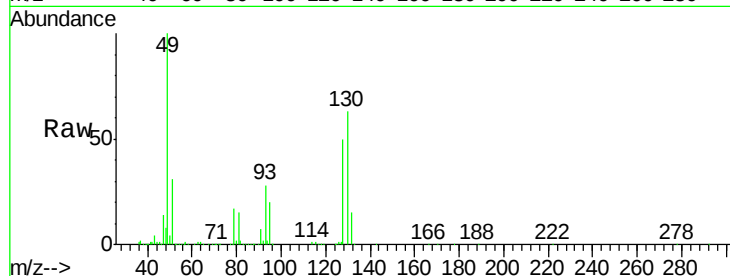
128 50.4 25.4 76.0

130 65.1 32.1 96.3

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

600000

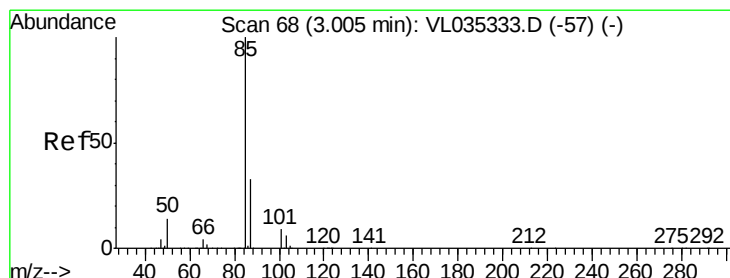
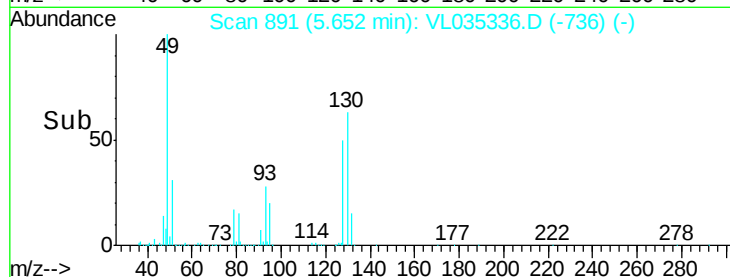
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.731 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035336.D

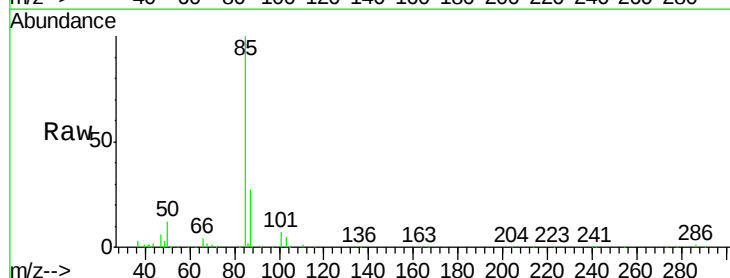
Acq: 5 Aug 2020 10:36

Tgt Ion: 85 Resp: 128759

Ion Ratio Lower Upper

85 100

87 27.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

120000

100000

80000

60000

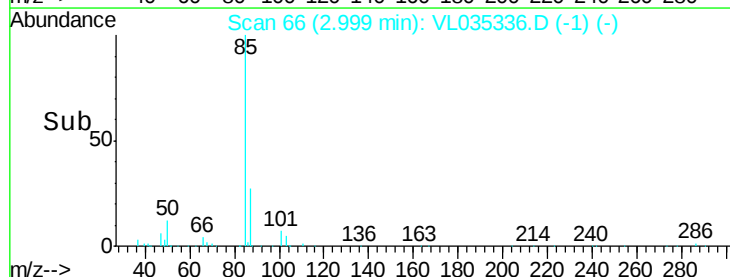
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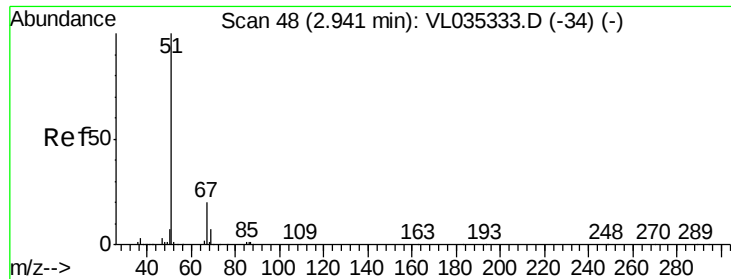
20000

0

2.95 3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.552 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 85362

Ion Ratio Lower Upper

51 100

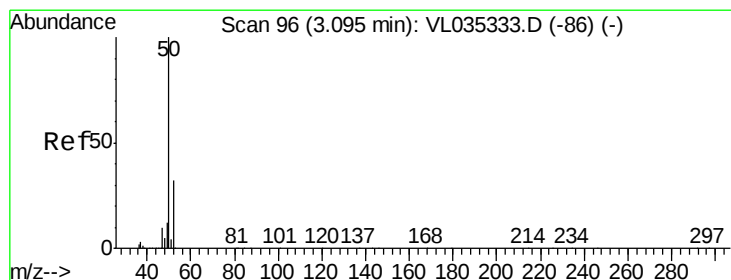
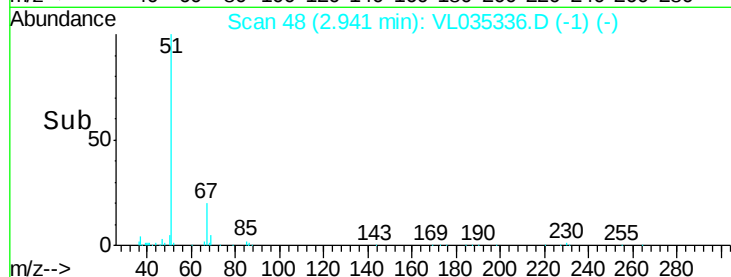
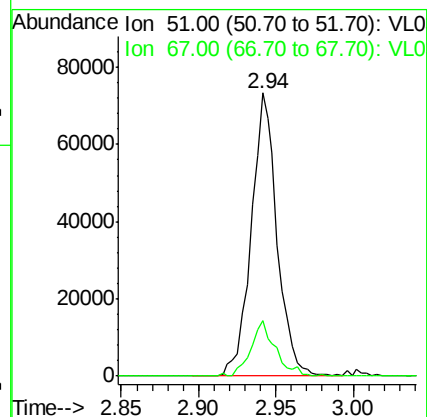
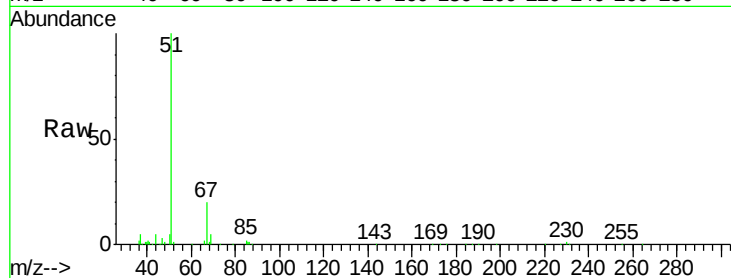
67 18.6 16.6 25.0

Manual Integrations

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#4

Chloromethane

Concen: 0.556 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035336.D

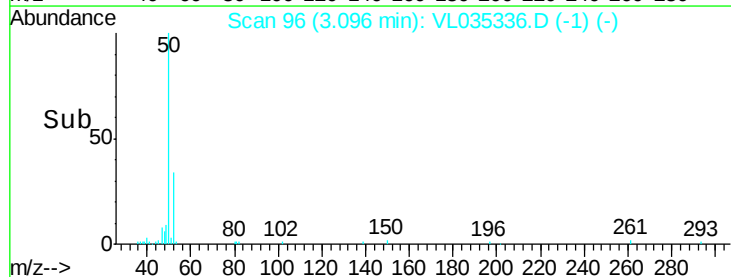
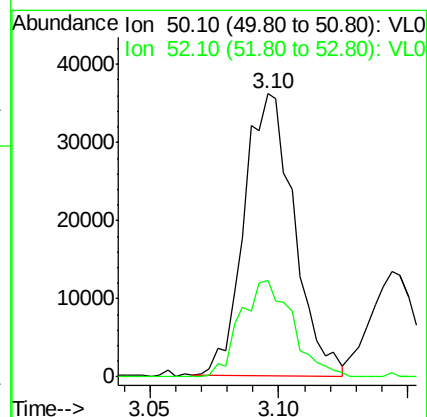
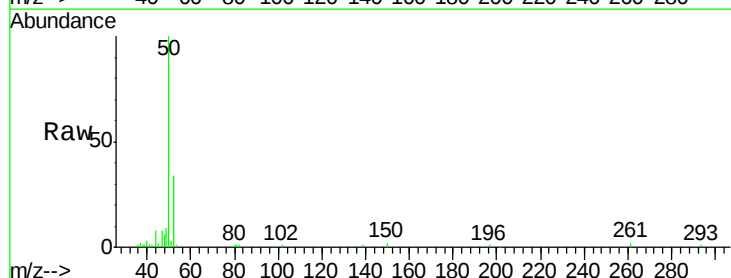
Acq: 5 Aug 2020 10:36

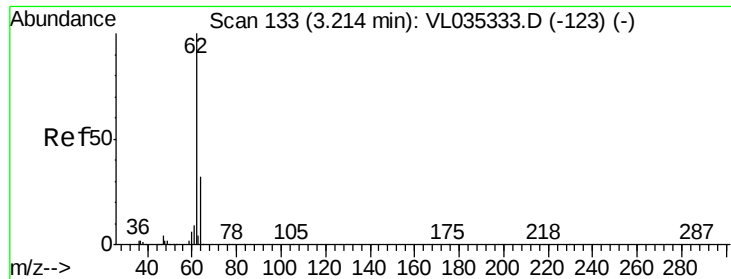
Tgt Ion: 50 Resp: 49080

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0





#5

Vinyl Chloride

Concen: 0.508 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 43724

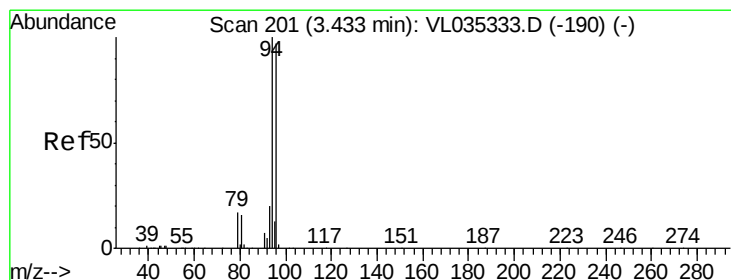
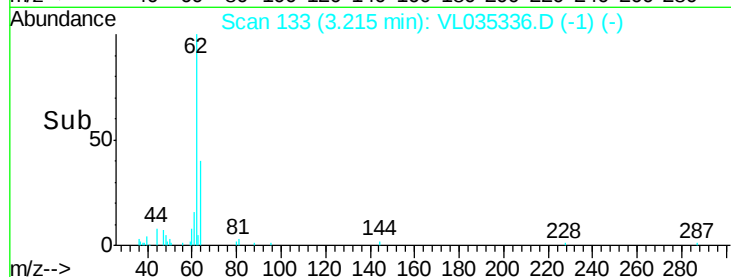
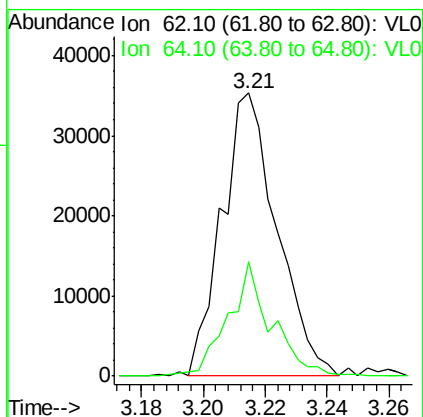
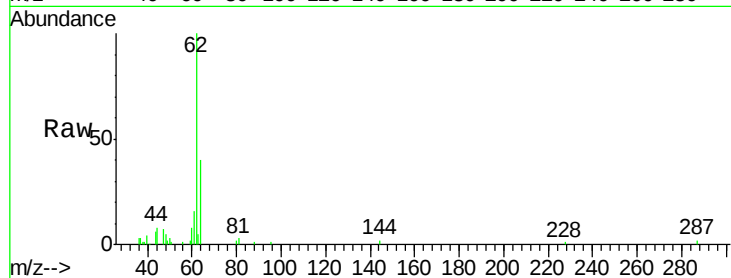
Ion Ratio Lower Upper

62 100

64 37.7 25.8 38.6

Manual Integrations
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#6

Bromomethane

Concen: 0.527 ppbv m

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035336.D

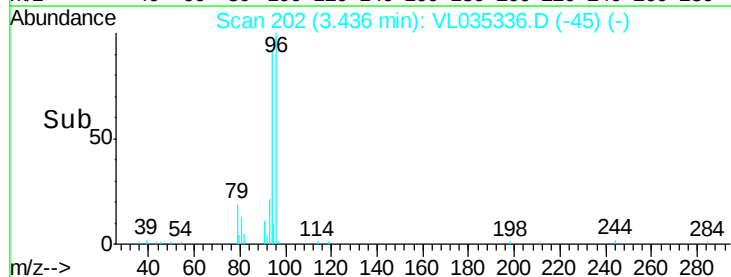
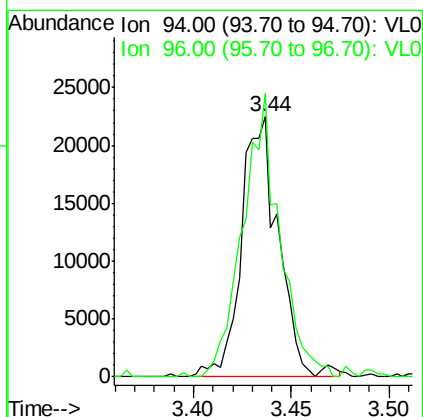
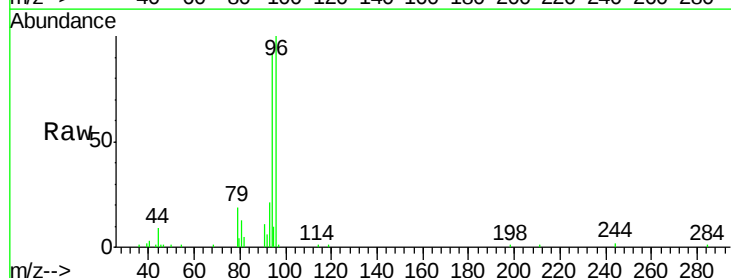
Acq: 5 Aug 2020 10:36

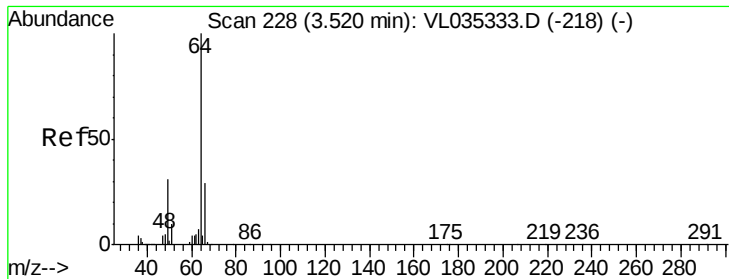
Tgt Ion: 94 Resp: 29810

Ion Ratio Lower Upper

94 100

96 108.8 77.3 115.9





#7

Chloroethane

Concen: 0.538 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18406

Ion Ratio Lower Upper

64 100

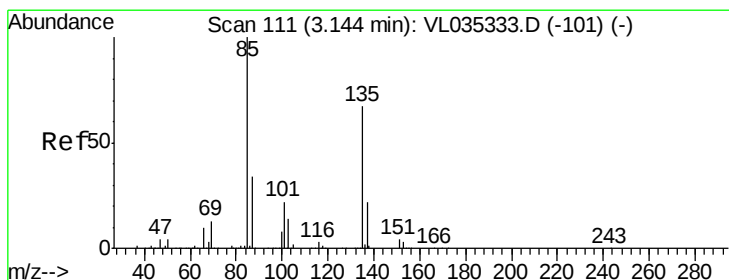
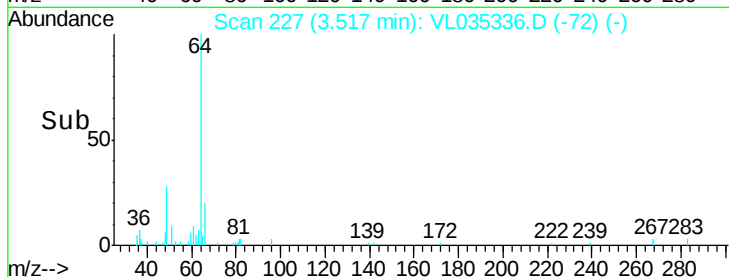
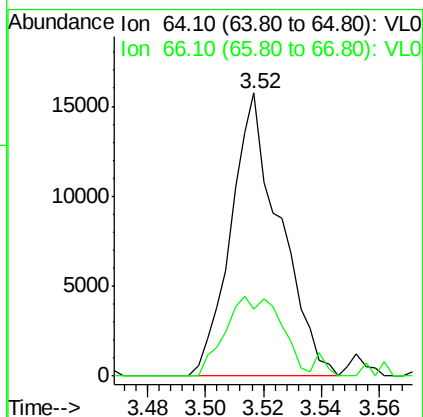
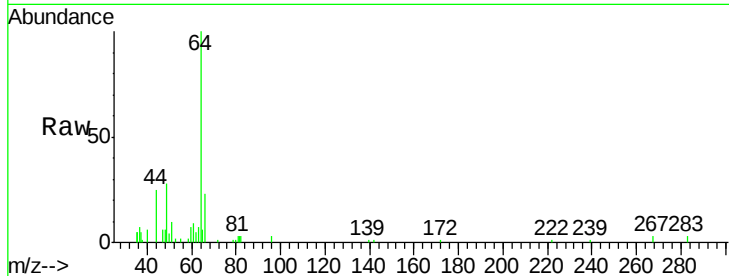
66 23.5 23.0 34.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.572 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035336.D

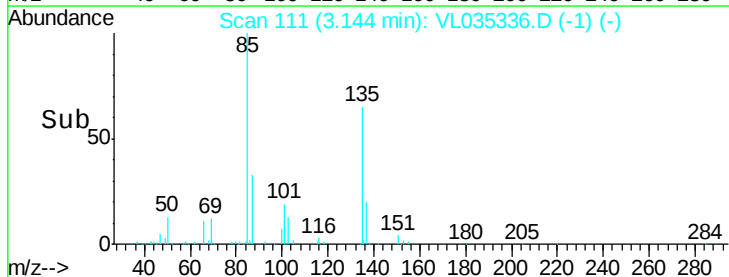
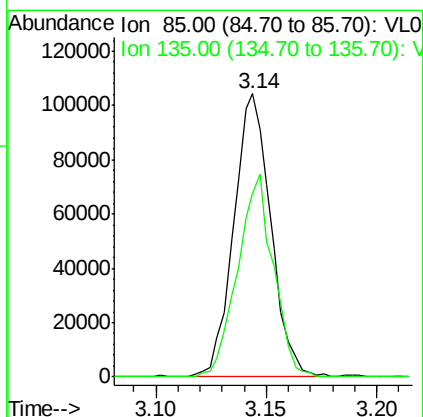
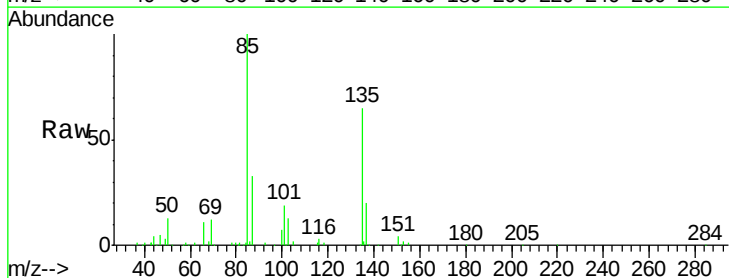
Acq: 5 Aug 2020 10:36

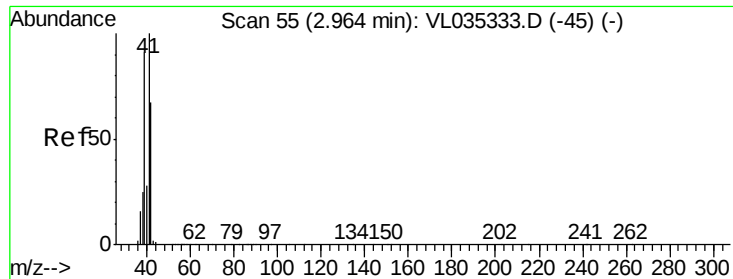
Tgt Ion: 85 Resp: 121480

Ion Ratio Lower Upper

85 100

135 69.2 54.5 81.7





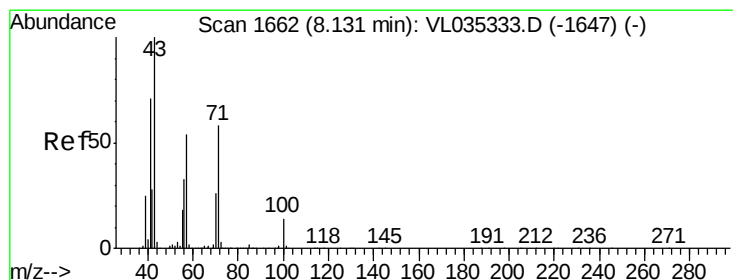
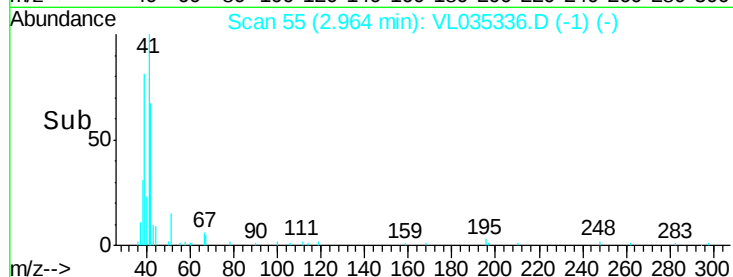
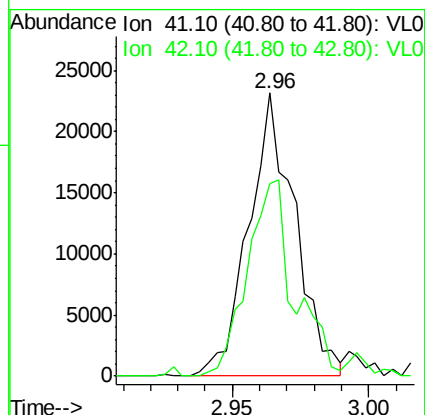
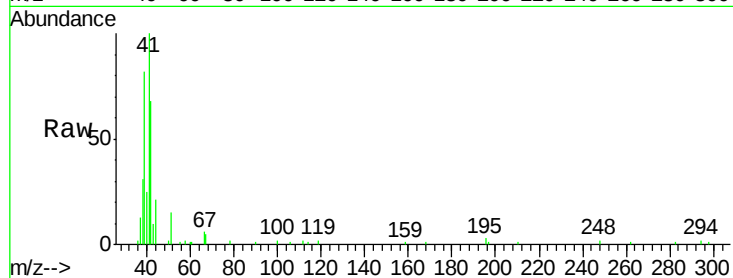
#9
 Propene
 Concen: 0.488 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 41 Resp: 27280
 Ion Ratio Lower Upper
 41 100
 42 74.3 55.3 82.9

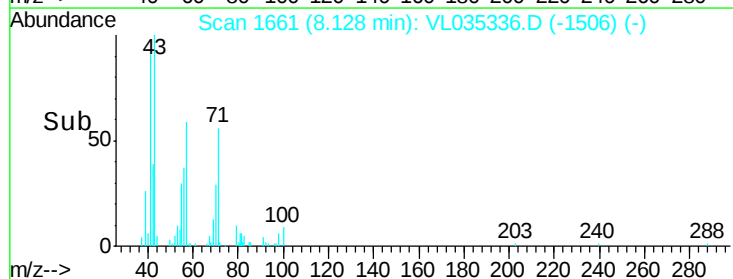
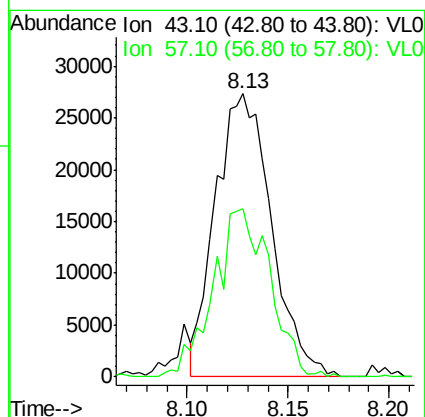
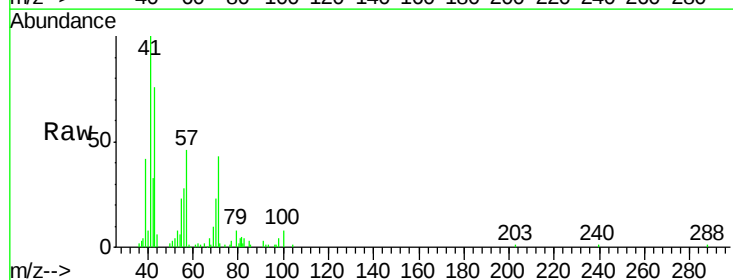
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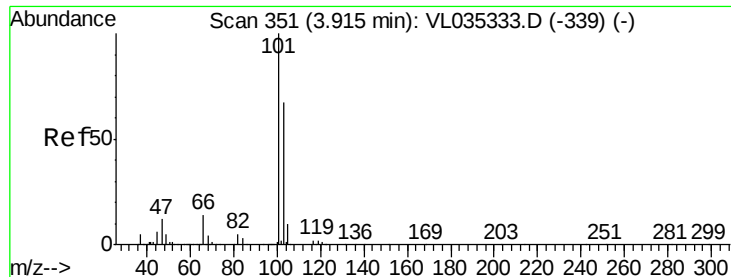
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#10
 Heptane
 Concen: 0.368 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion: 43 Resp: 52795
 Ion Ratio Lower Upper
 43 100
 57 59.7 43.0 64.6





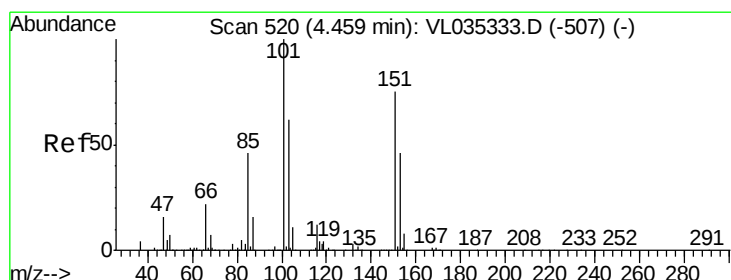
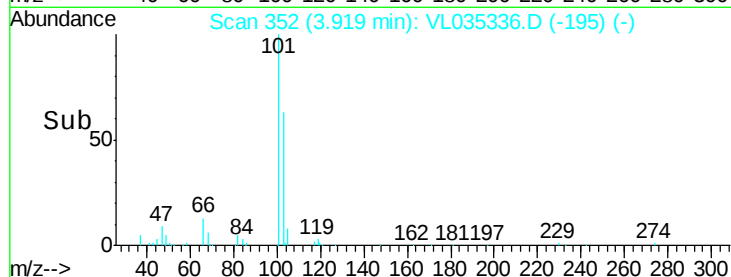
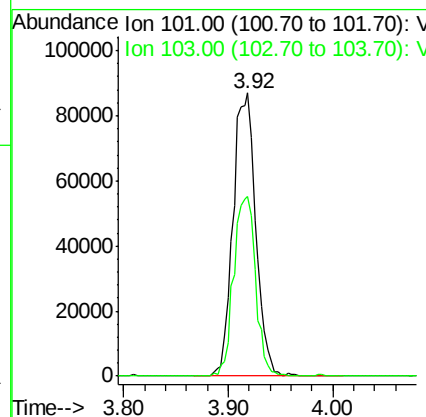
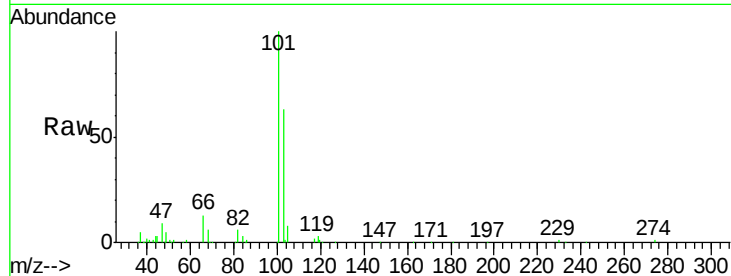
#11
 Trichlorofluoromethane
 Concen: 0.569 ppbv m
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.8	80.8

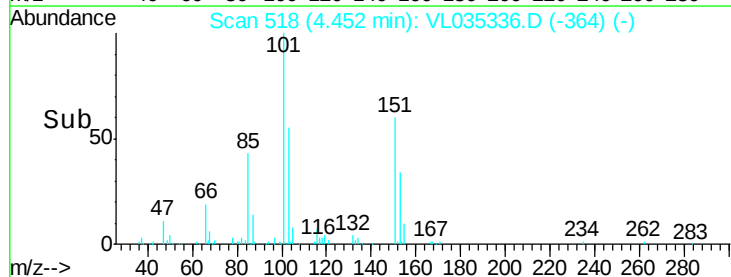
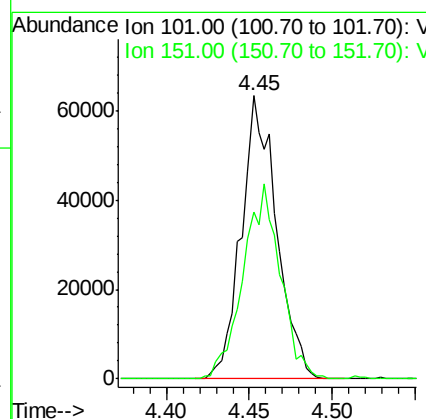
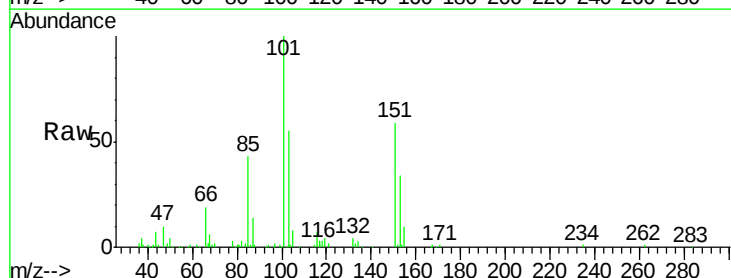
Manual Integrations
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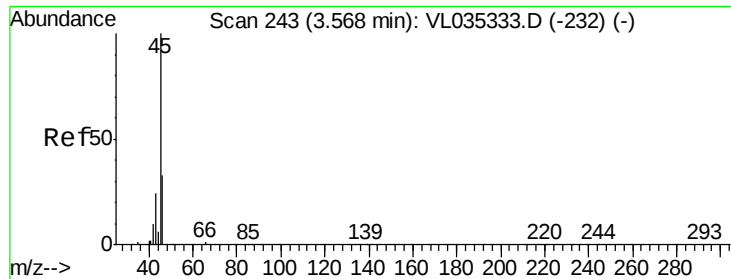
MMDadoda
 8/6/2020 12:48:56 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.585 ppbv m
 RT: 4.45 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.5	89.3#





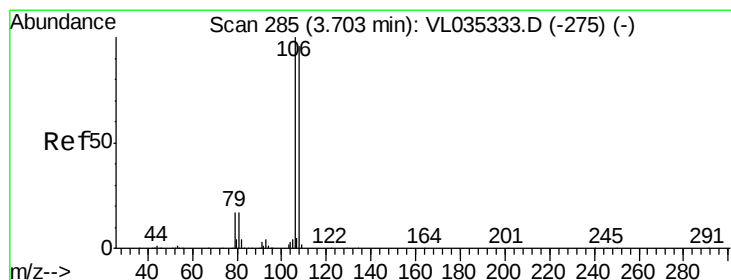
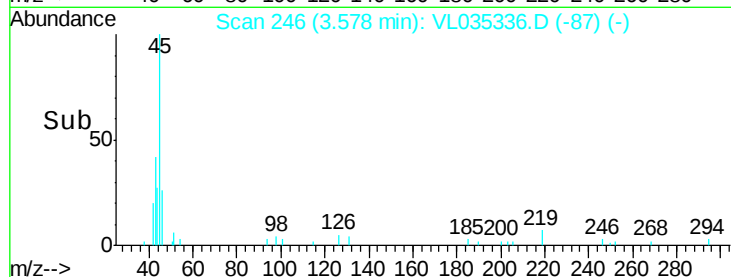
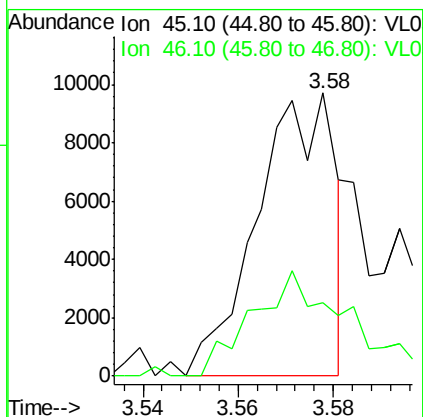
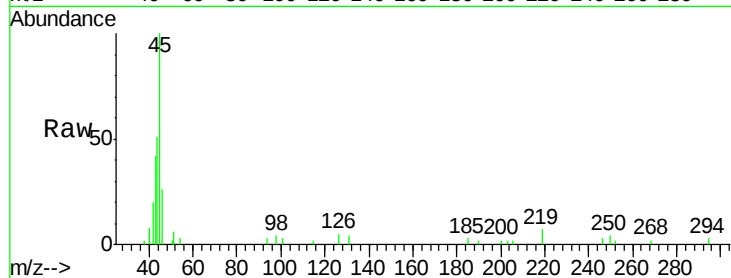
#13
Ethanol
Concen: 0.533 ppbv m
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 11004
Ion Ratio Lower Upper
45 100
46 48.1 15.2 61.0

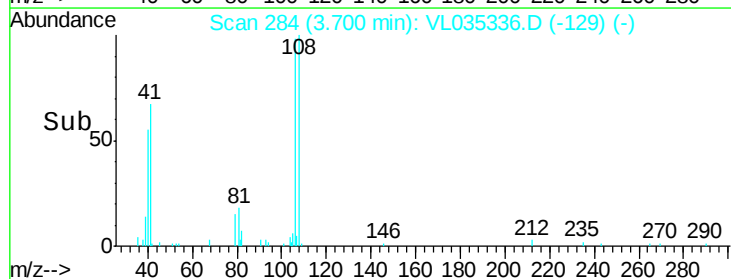
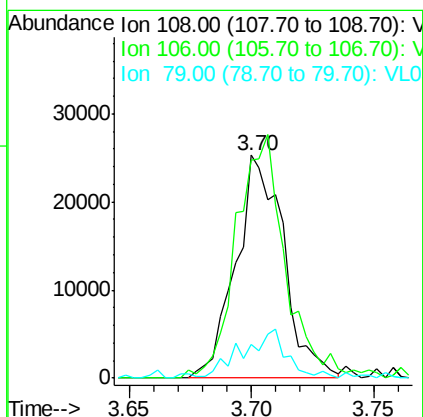
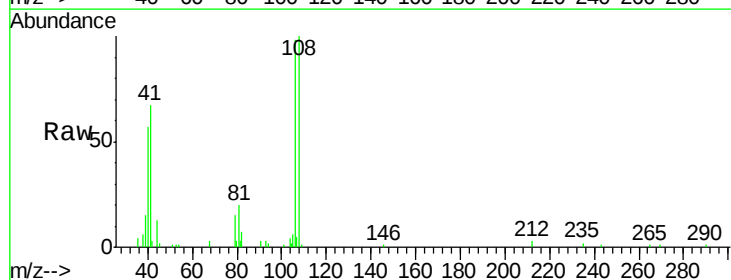
Manual Integrations
APPROVED

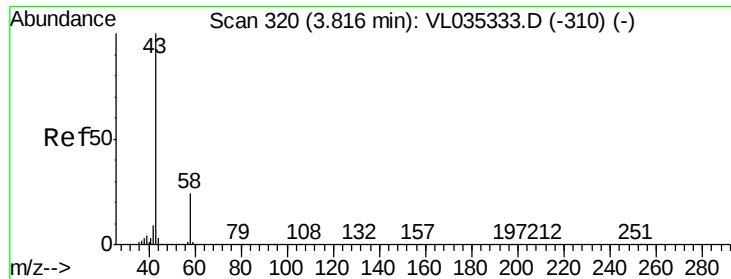
MMDadoda
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#14
Bromoethene
Concen: 0.521 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion: 108 Resp: 34405
Ion Ratio Lower Upper
108 100
106 112.8 85.0 127.6
79 22.6 15.0 22.6#





#15

Acetone

Concen: 0.599 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 116620

Ion Ratio Lower Upper

43 100

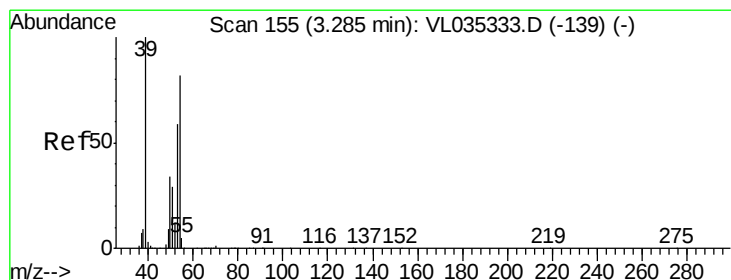
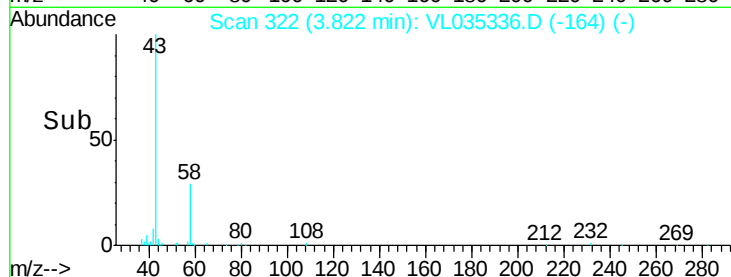
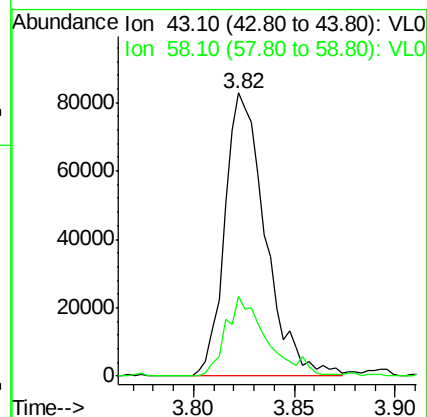
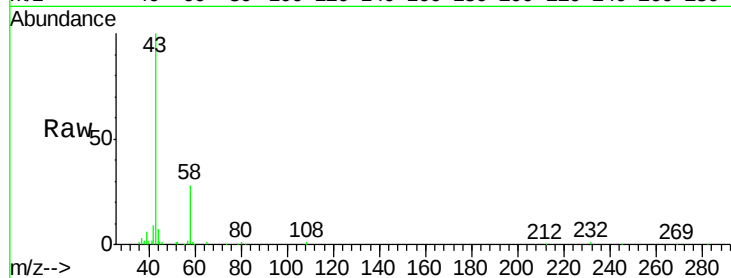
58 28.7 21.0 31.4

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.520 ppbv m

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035336.D

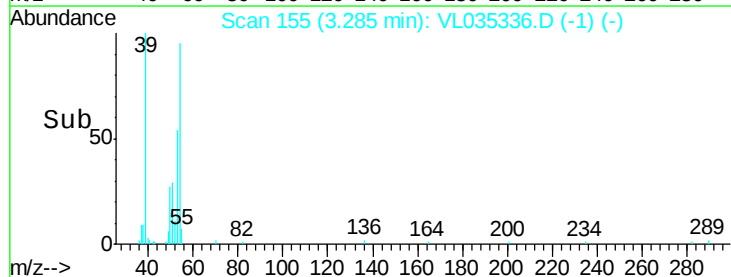
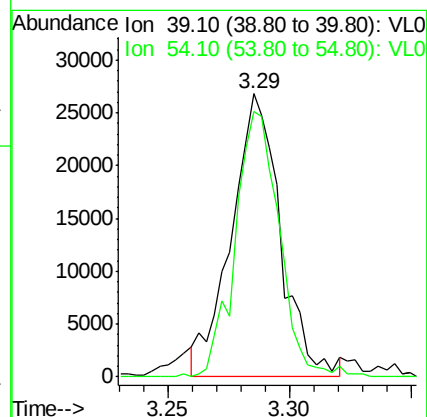
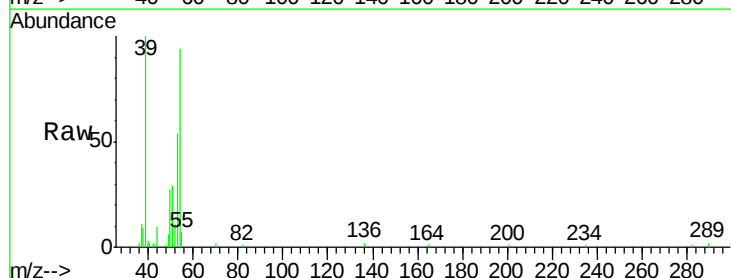
Acq: 5 Aug 2020 10:36

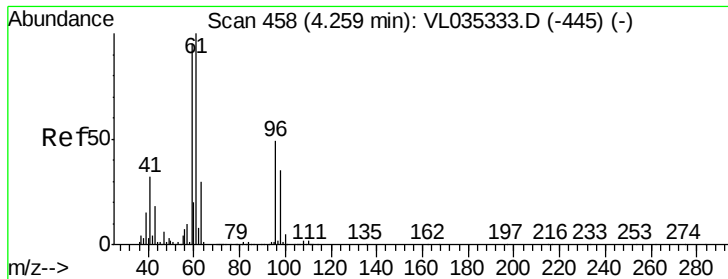
Tgt Ion: 39 Resp: 37749

Ion Ratio Lower Upper

39 100

54 84.7 64.4 96.6





#17

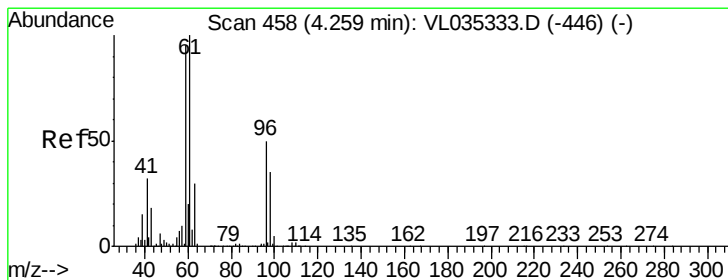
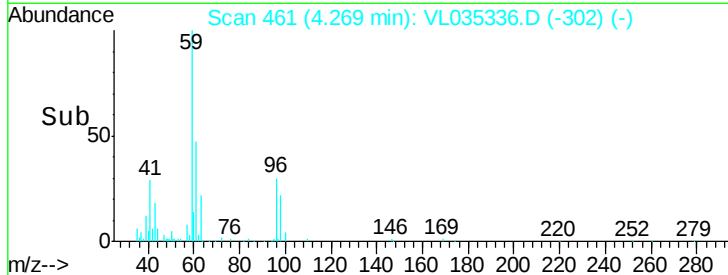
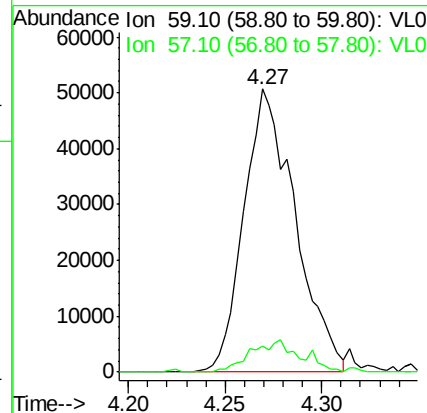
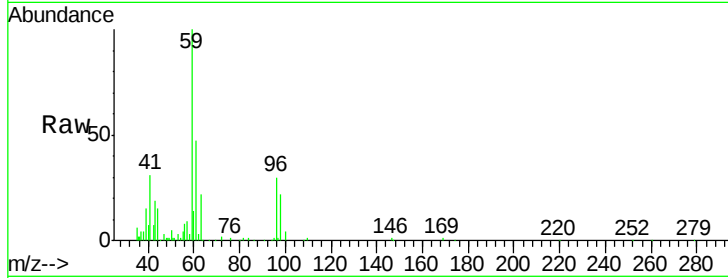
tert-Butyl alcohol
Concen: 0.526 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	93223
Ion Ratio	Lower	Upper	
59	100		
57	11.5	8.8	13.2

Manual Integrations
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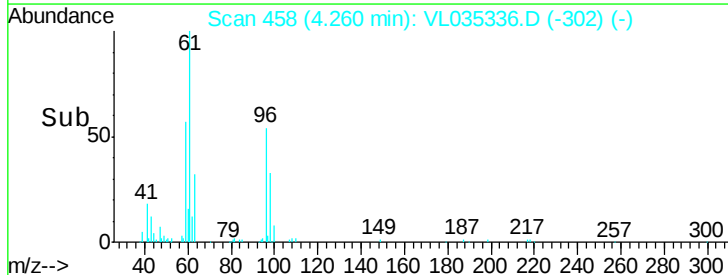
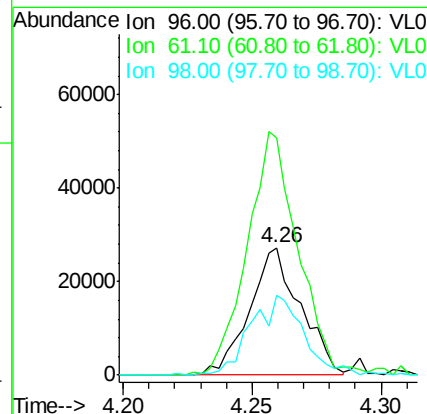
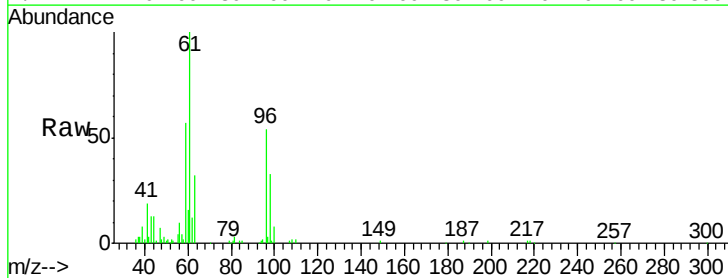
MMDadoda
8/6/2020 12:48:56 PM

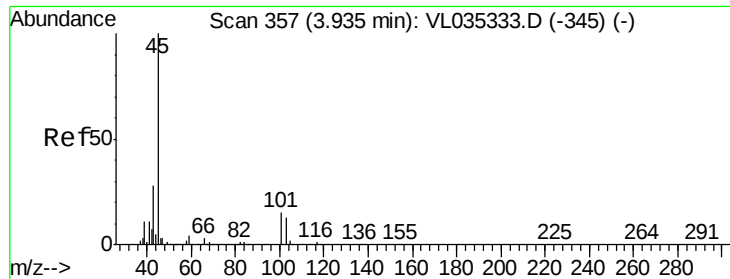


#18

1,1-Dichloroethene
Concen: 0.520 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	96	Resp	37563
Ion Ratio	Lower	Upper	
96	100		
61	206.7	161.4	242.2
98	63.7	56.0	84.0





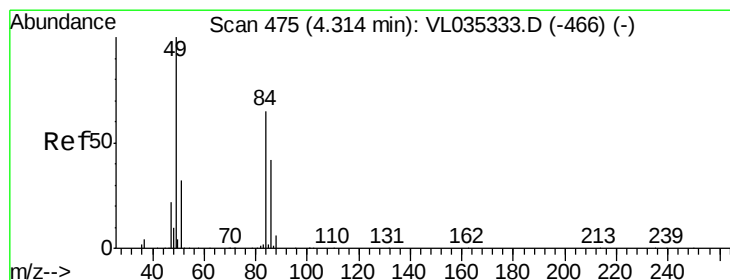
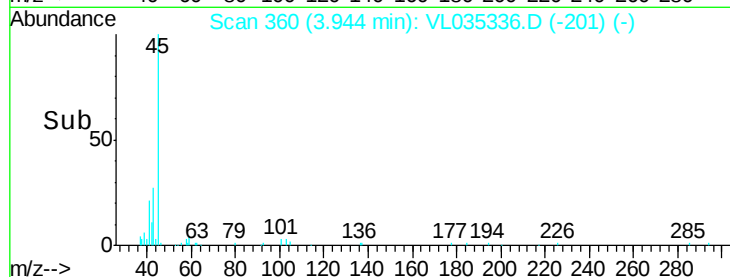
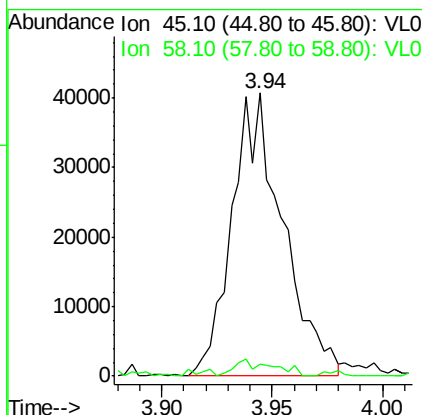
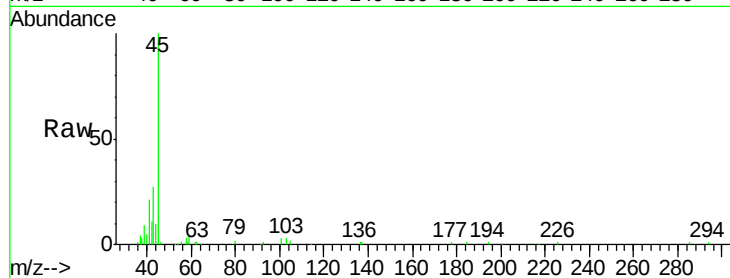
#19
Isopropyl Alcohol
Concen: 0.534 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.9	1.9	2.9#

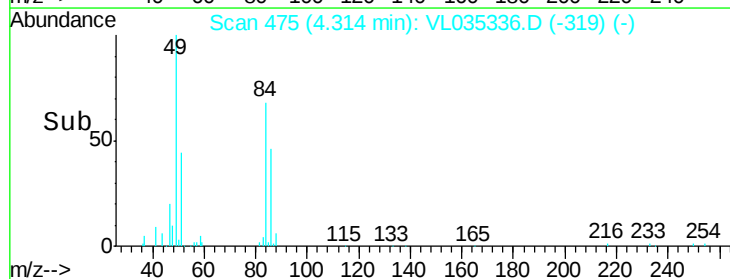
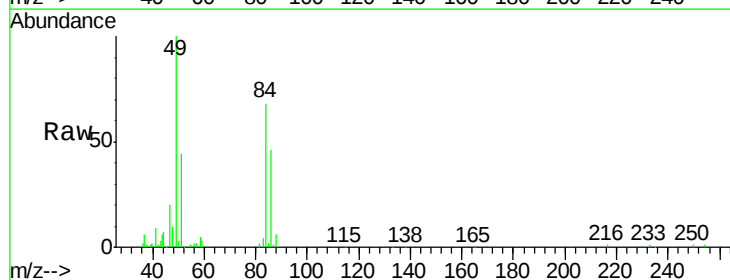
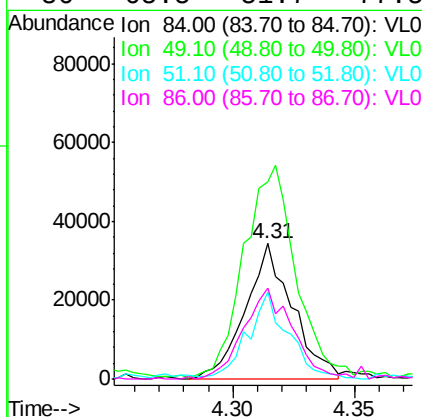
Manual Integrations
APPROVED

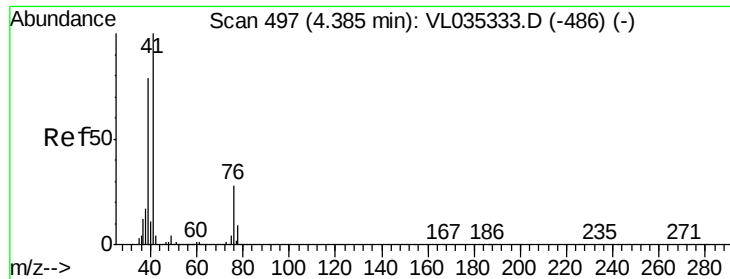
MMDadoda
8/6/2020 12:48:56 PM



#20
Methylene Chloride
Concen: 0.515 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.0	122.8	184.2
51	61.8	40.1	60.1#
86	65.5	51.7	77.5





#21

Allvl Chloride

Concen: 0.510 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

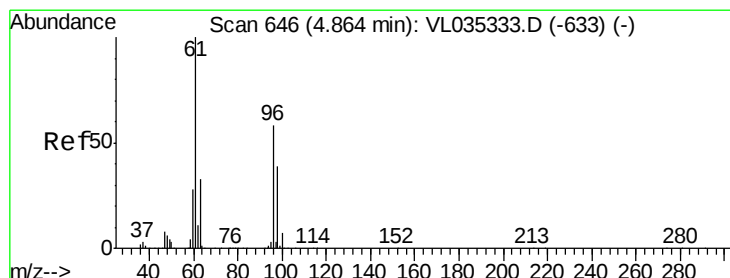
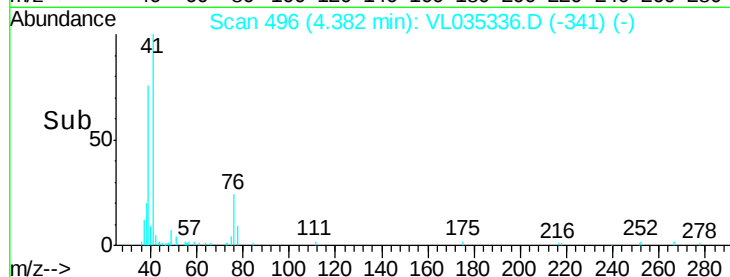
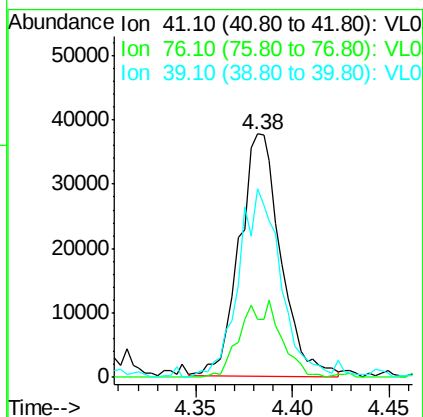
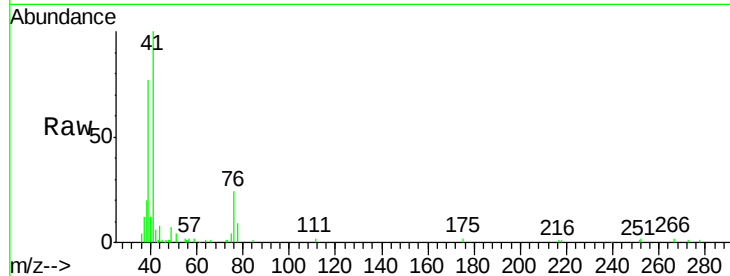
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	56197
Ion	Ratio	Lower	Upper
41	100		
76	30.9	23.8	35.6
39	82.7	65.0	97.6

Manual Integrations
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8/6/2020 12:48:56 PM



#22

trans-1,2-Dichloroethene

Concen: 0.499 ppbv

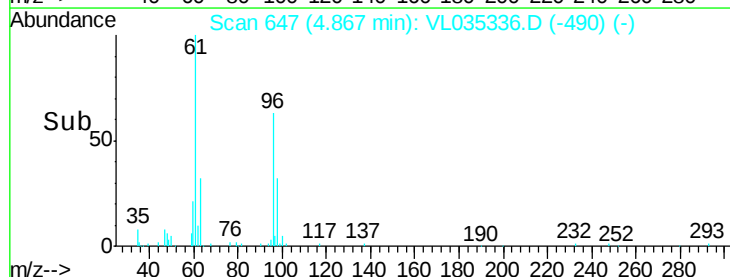
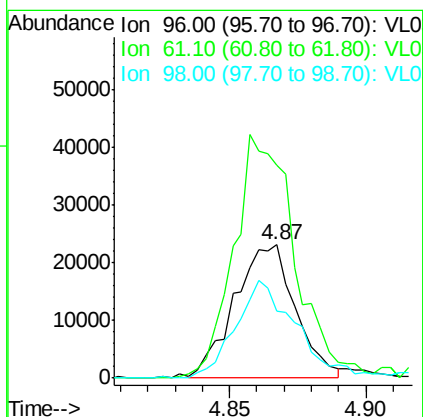
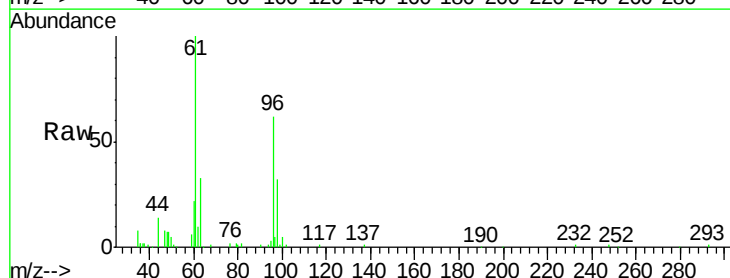
RT: 4.87 min Scan# 647

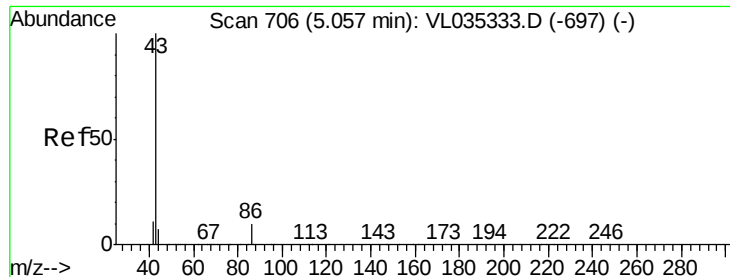
Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:	96	Resp:	35725
Ion	Ratio	Lower	Upper
96	100		
61	159.9	138.5	207.7
98	51.6	54.3	81.5#





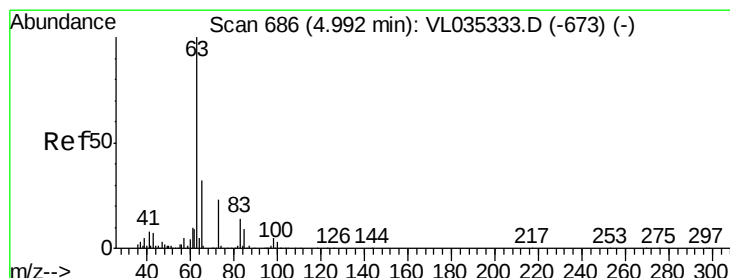
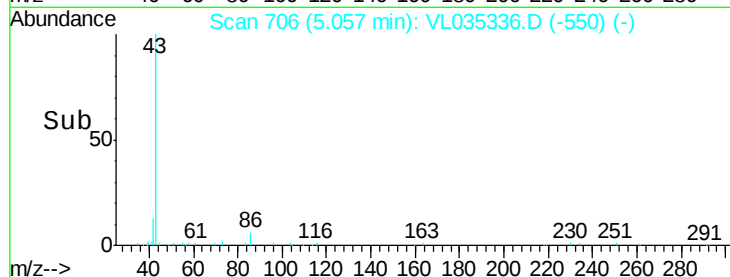
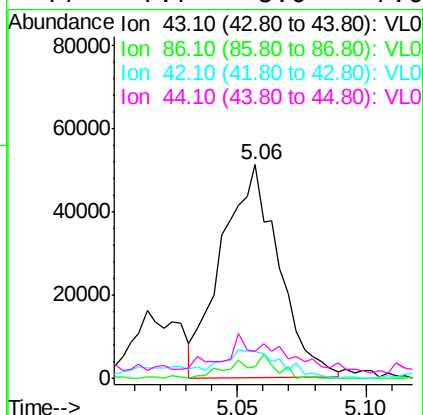
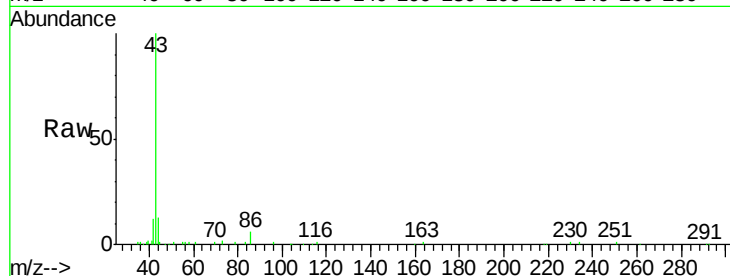
#23
 Vinyl Acetate
 Concen: 0.409 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.9	10.3#
42	12.7	8.8	13.2
44	7.7	5.0	7.6#

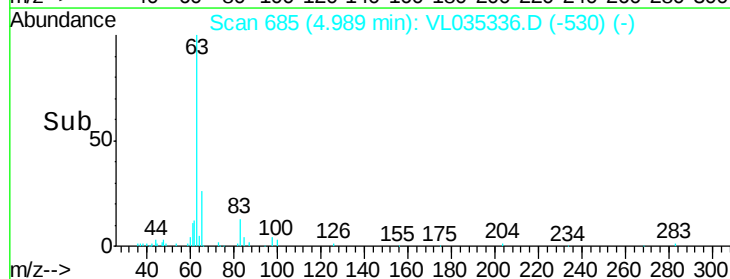
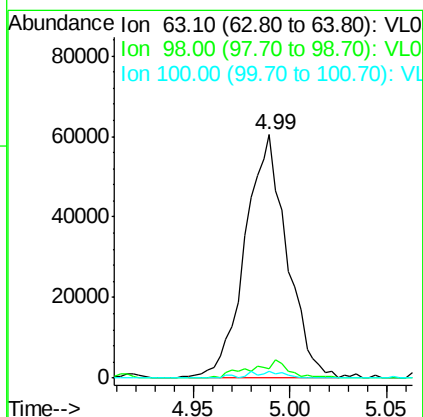
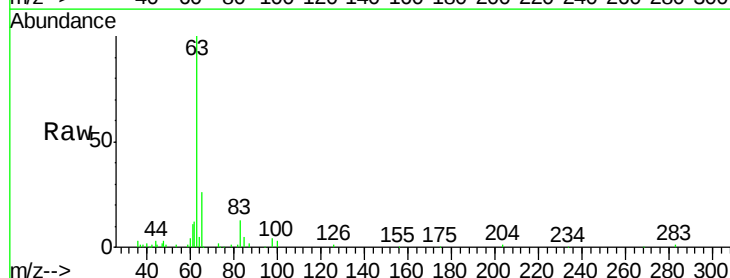
Manual Integrations
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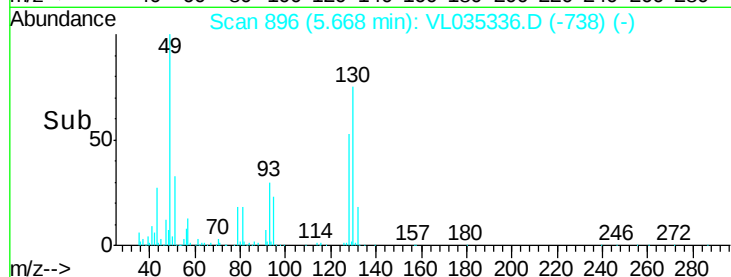
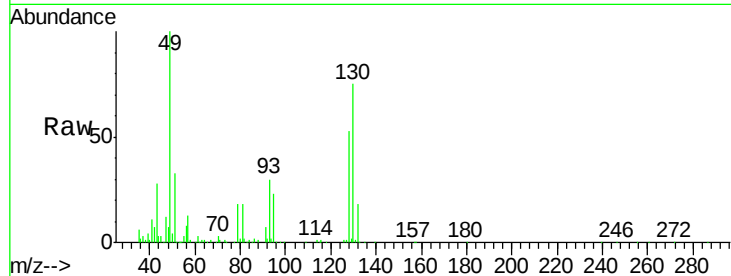
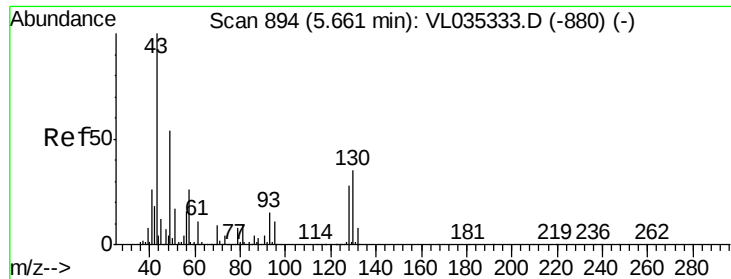
MMDadoda
 8/6/2020 12:48:56 PM



#24
 1,1-Dichloroethane
 Concen: 0.506 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.5	7.5
100	2.9	1.4	4.2





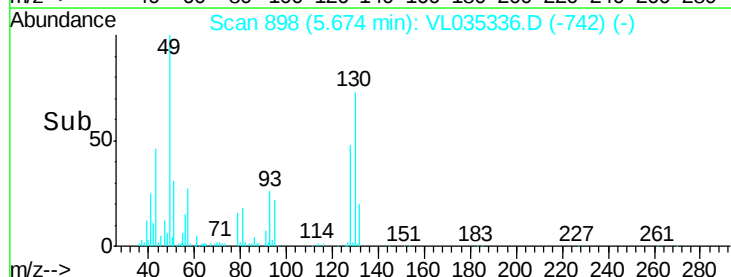
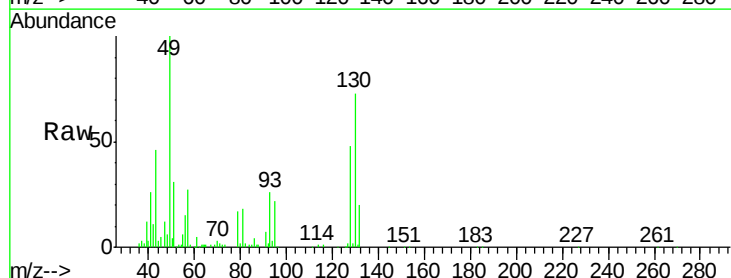
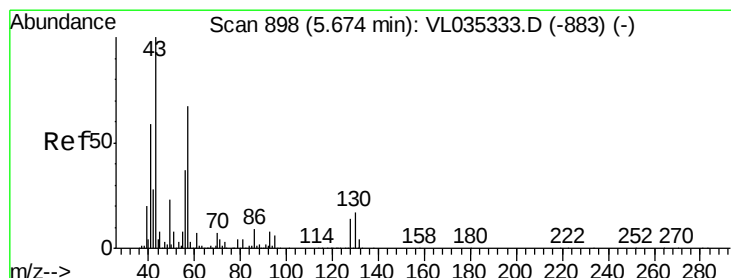
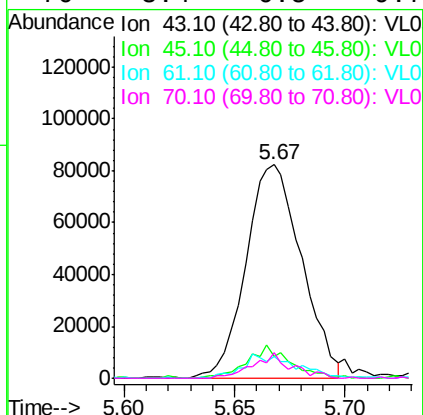
#25
Ethyl Acetate
Concen: 0.488 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tot Ion	Ratio	Lower	Upper
43	100		
45	12.6	8.5	12.7
61	11.0	8.1	12.1
70	8.4	6.5	9.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

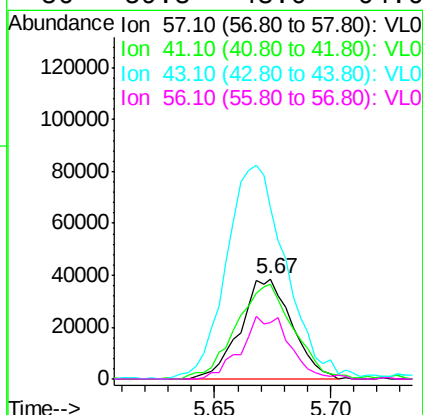
Manual Integrations
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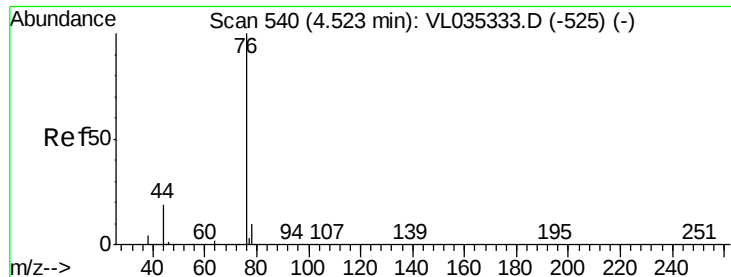
MMDadoda
8/6/2020 12:48:56 PM



#26
Hexane
Concen: 0.454 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	108.4	75.2	112.8
43	247.3	180.6	270.8
56	59.8	43.0	64.6





#27

Carbon Disulfide

Concen: 0.490 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

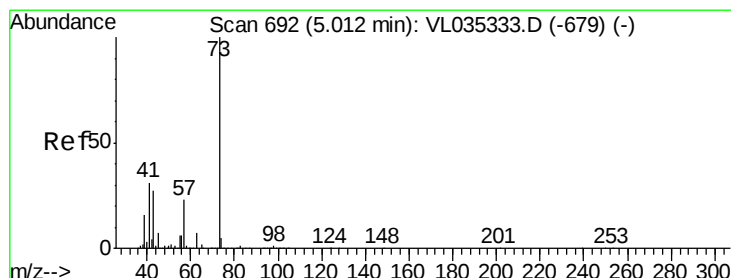
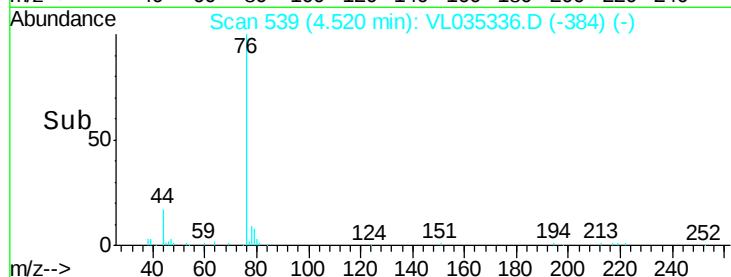
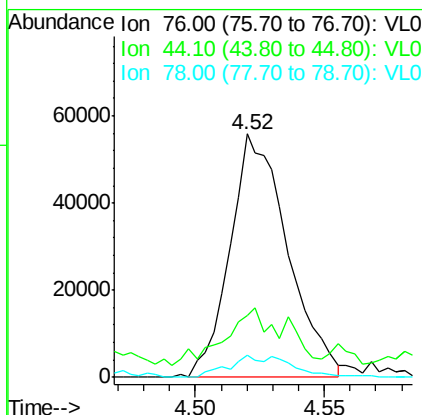
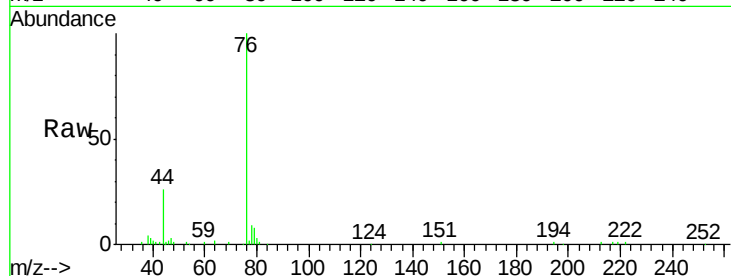
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	86781
Ion Ratio	Lower	Upper	
76	100		
44	30.5	15.4	23.2#
78	10.5	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 0.413 ppbv

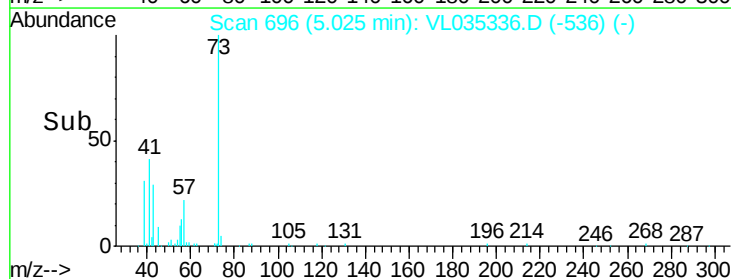
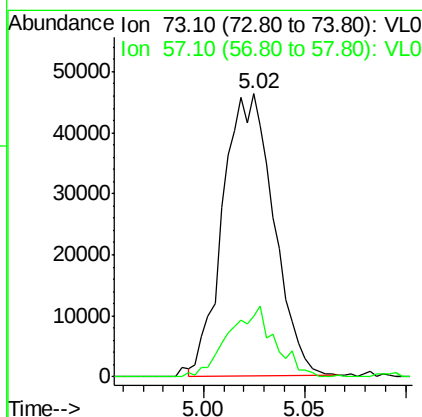
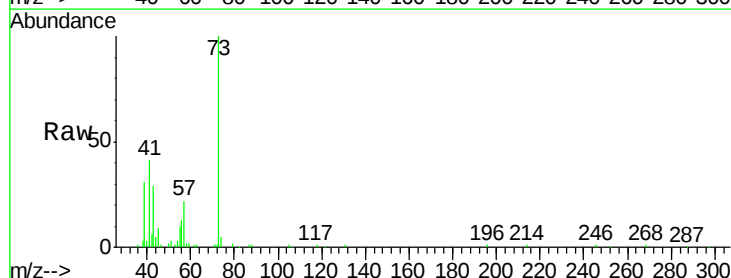
RT: 5.02 min Scan# 696

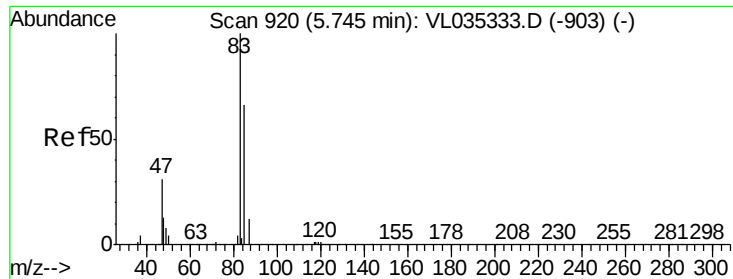
Delta R.T. 0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:	73	Resp:	81696
Ion Ratio	Lower	Upper	
73	100		
57	22.8	17.9	26.9





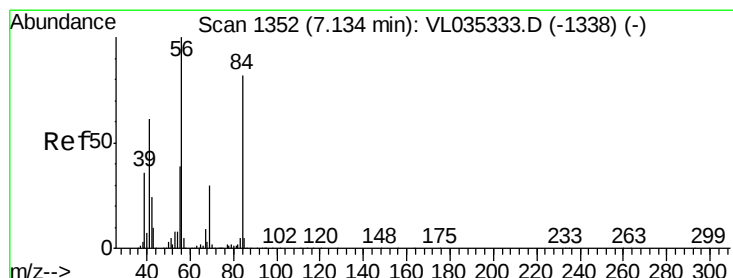
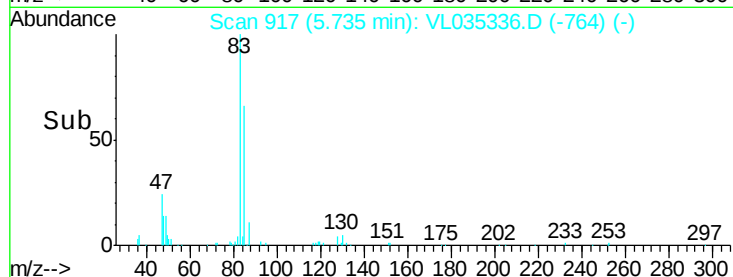
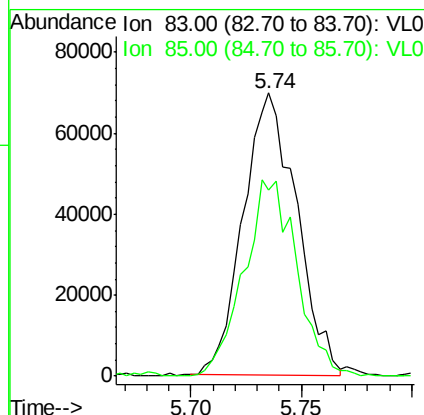
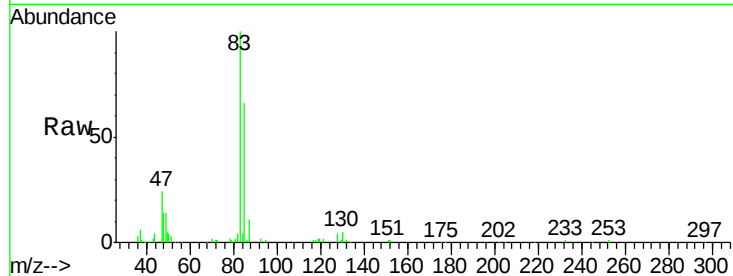
#29
Chloroform
Concen: 0.526 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	117317
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.9	79.3

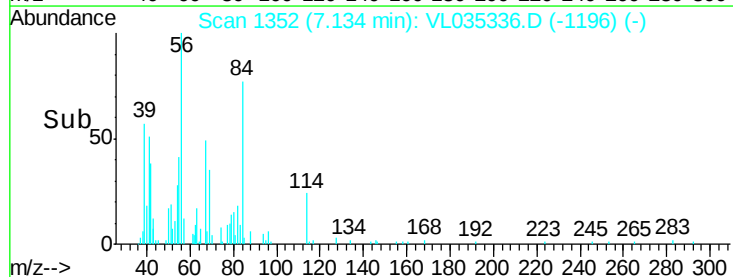
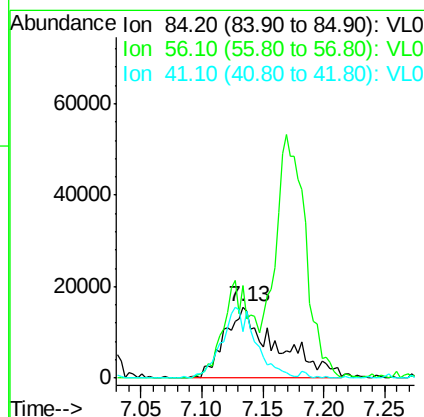
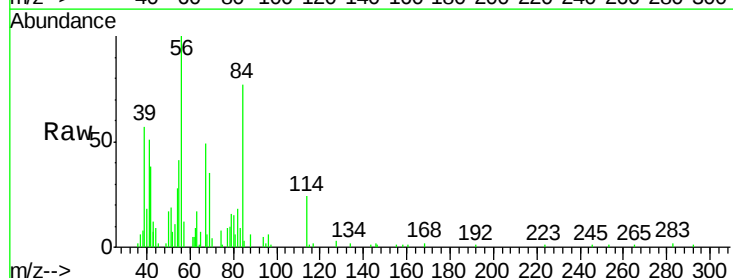
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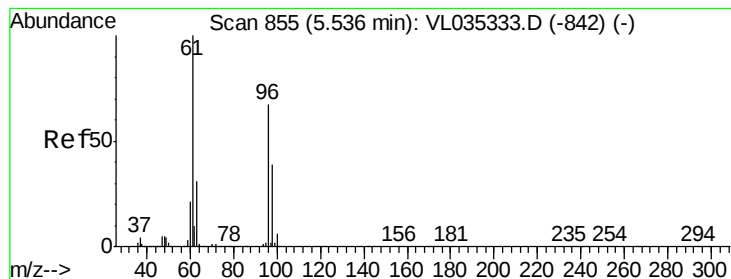
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#30
Cyclohexane
Concen: 0.467 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	84	Resp	46152
Ion Ratio	Lower	Upper	
84	100		
56	0.0	104.7	157.1#
41	66.5	64.2	96.2





#31

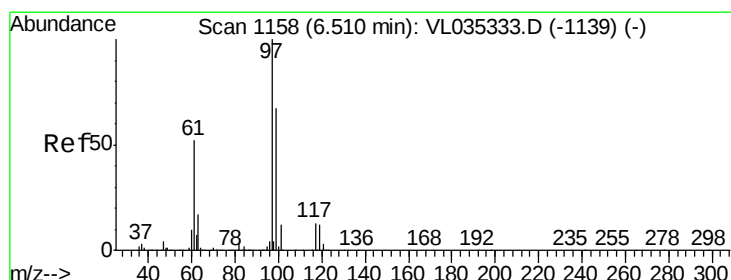
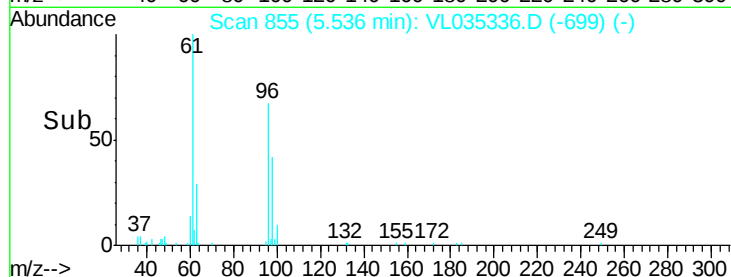
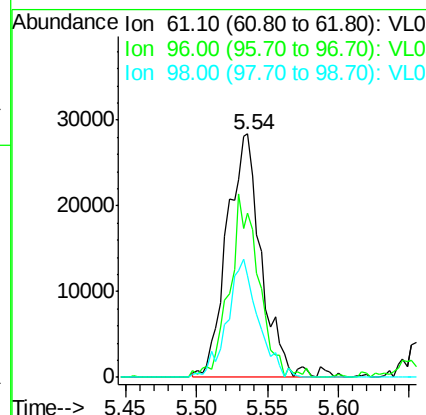
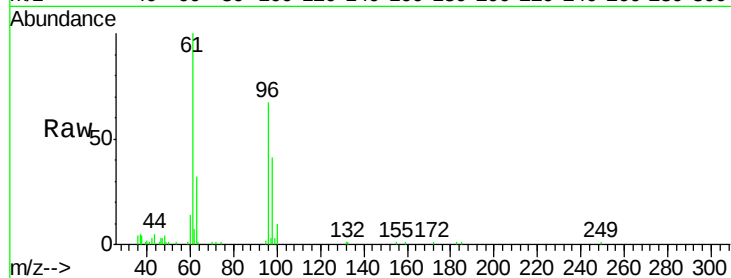
cis-1,2-Dichloroethene
Concen: 0.395 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.2	53.6	80.4
98	41.5	31.0	46.4

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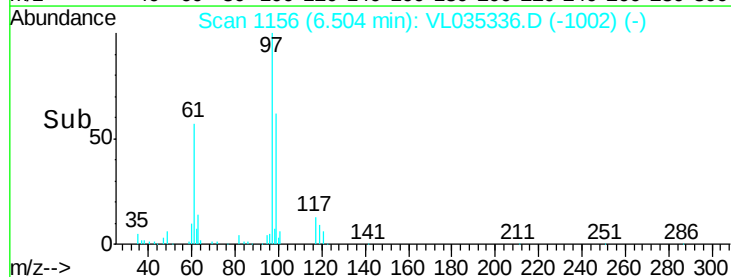
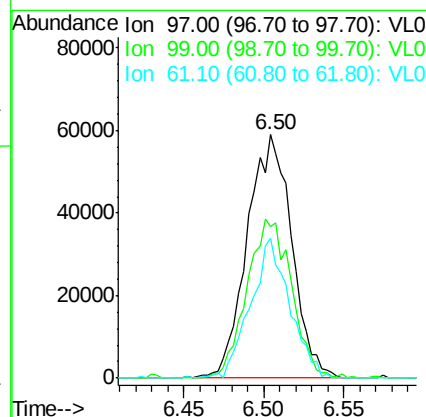
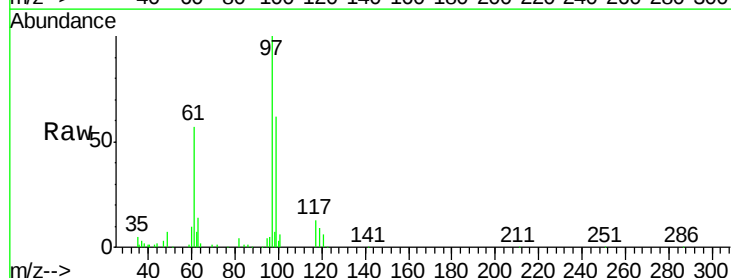
MMDadoda
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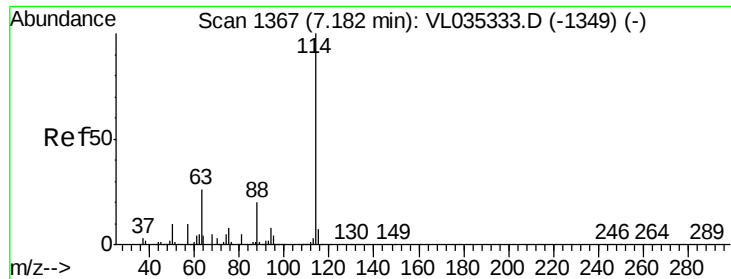


#32

1,1,1-Trichloroethane
Concen: 0.519 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.2	78.4
61	50.8	40.9	61.3





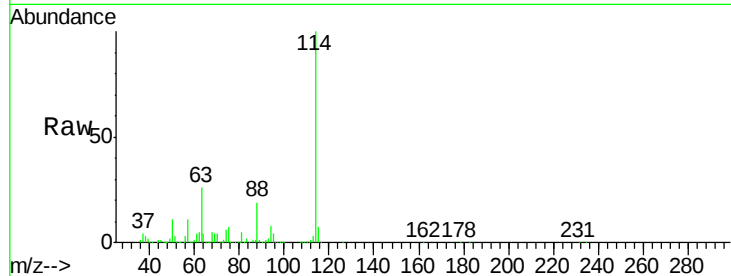
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

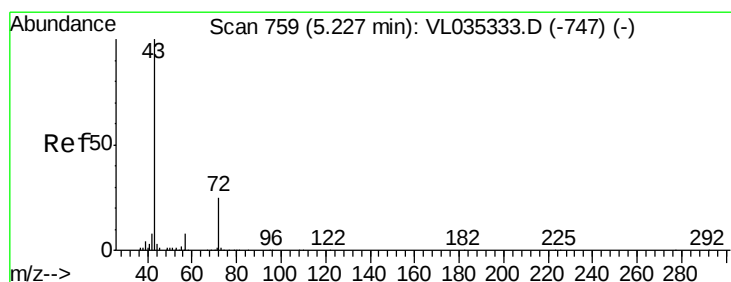
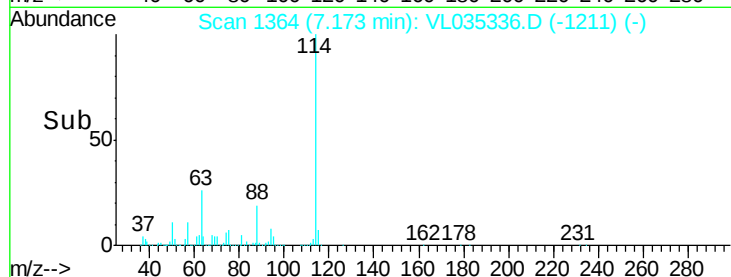
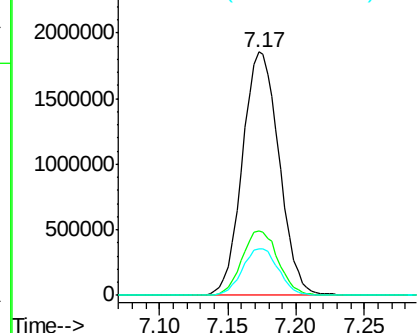
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.3	31.9
88	19.0	15.3	22.9

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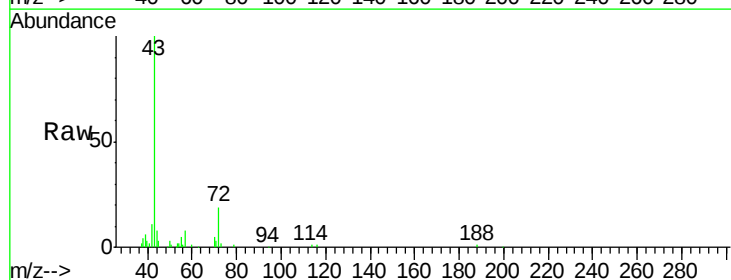


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

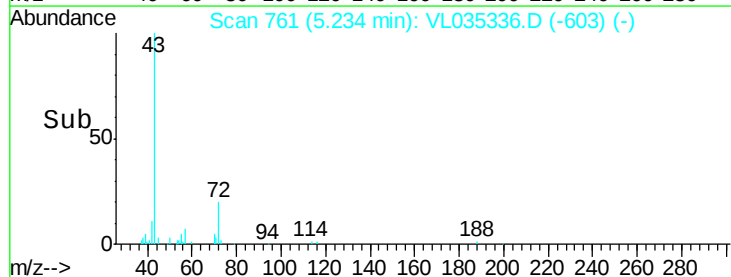
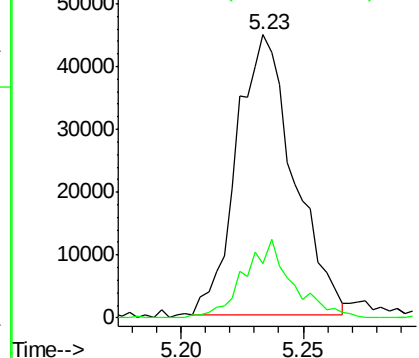


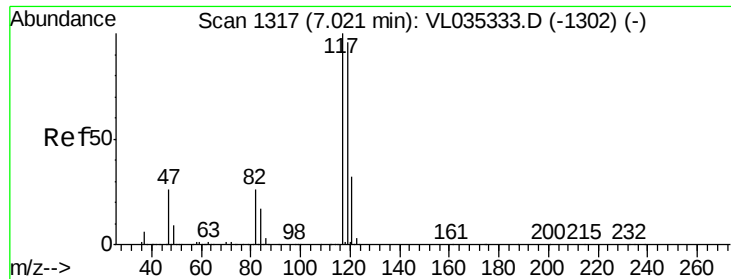
#34
 2-Butanone
 Concen: 0.396 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.9	28.3



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





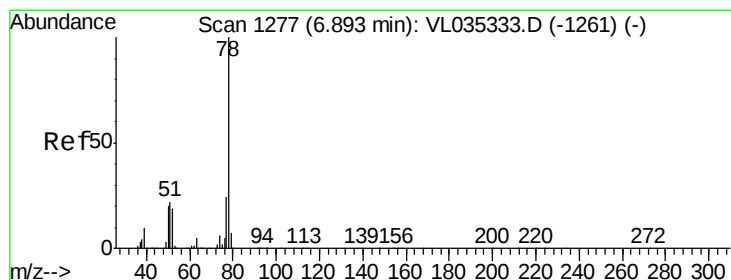
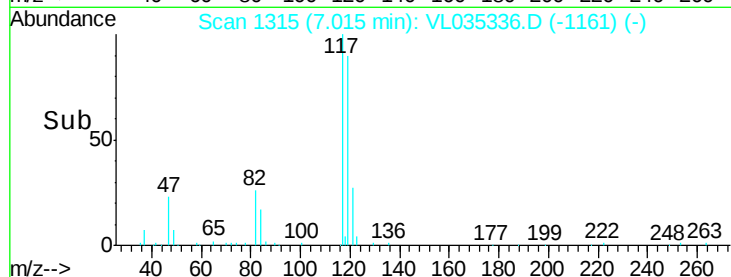
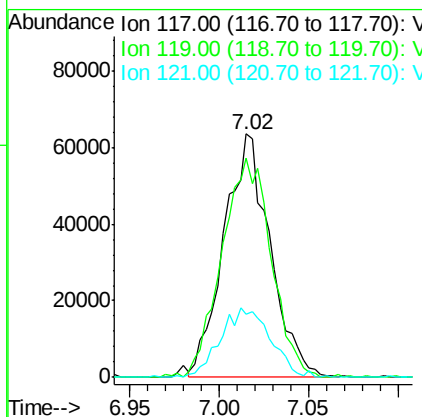
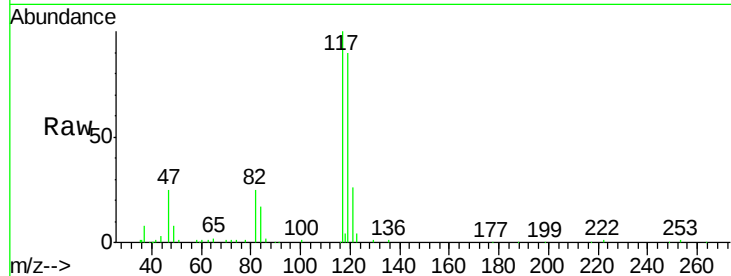
#35
Carbon Tetrachloride
Concen: 0.512 ppbv
RT: 7.02 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.8	77.0	115.6
121	25.8	26.0	39.0#

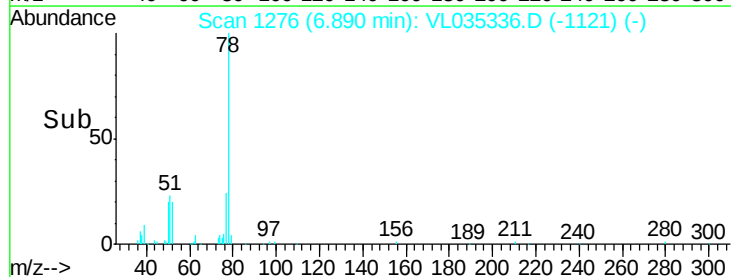
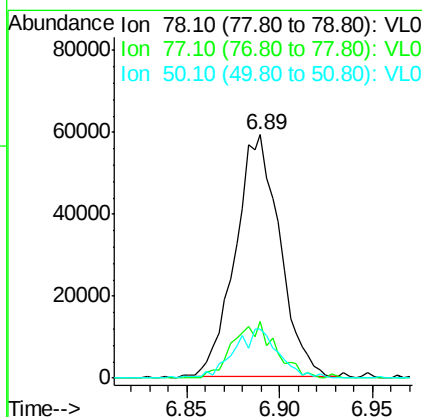
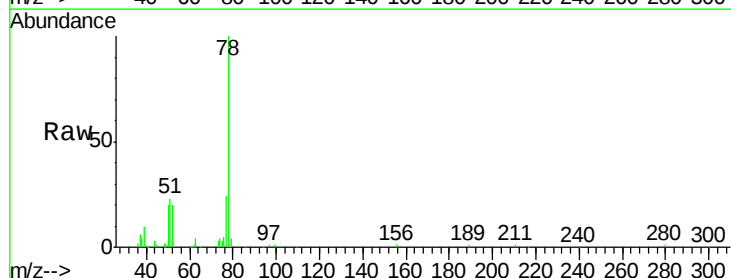
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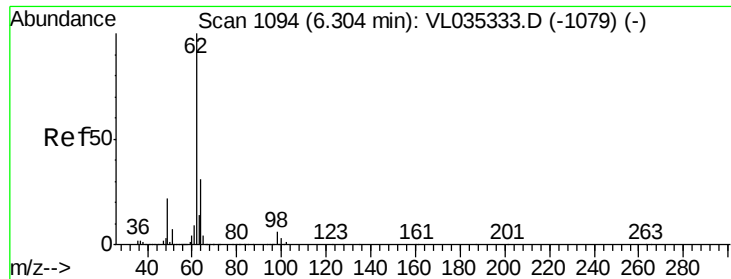
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#36
Benzene
Concen: 0.387 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
50	20.3	16.3	24.5





#37

1,2-Dichloroethane

Concen: 0.497 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 85333

Ion Ratio Lower Upper

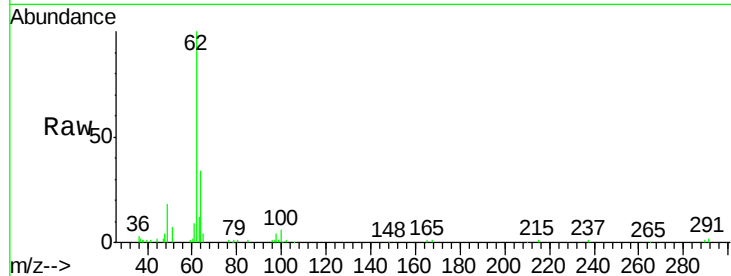
62 100

98 5.8 4.6 7.0

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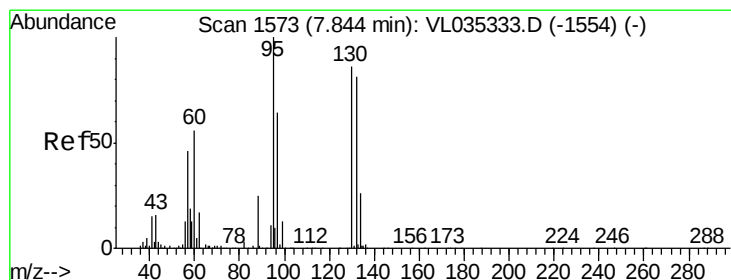
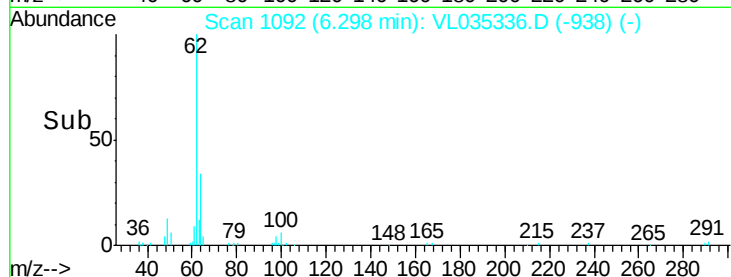
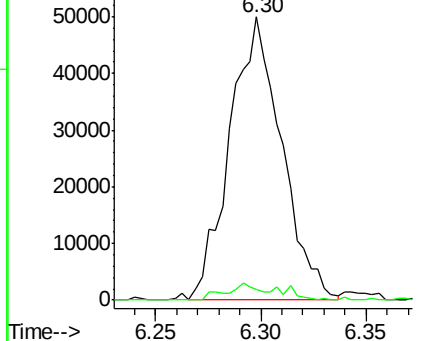
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.465 ppbv m

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion: 130 Resp: 43338

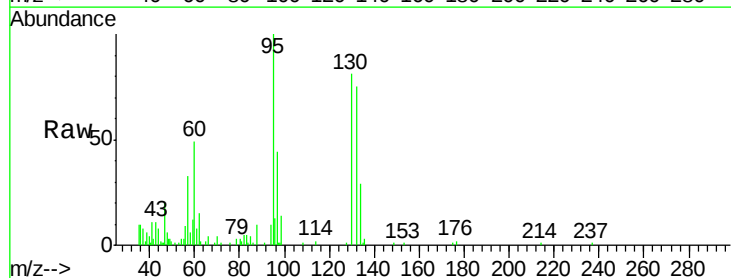
Ion Ratio Lower Upper

130 100

95 123.4 93.4 140.2

132 92.1 76.1 114.1

97 54.3 59.4 89.2#

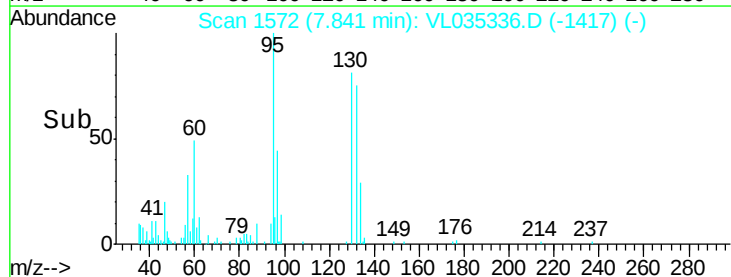
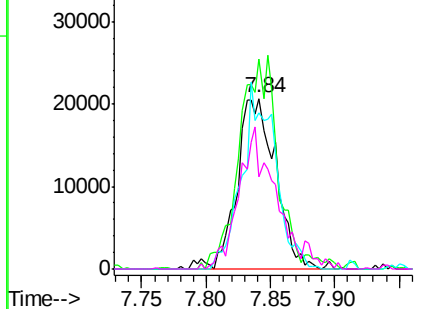


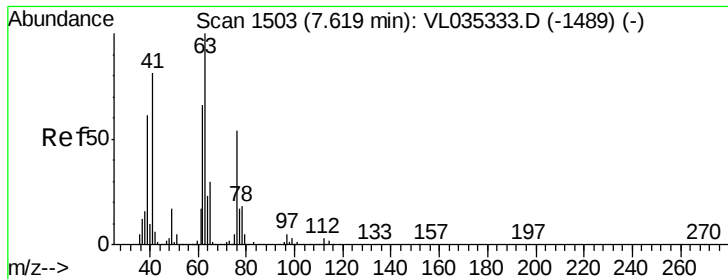
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.427 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

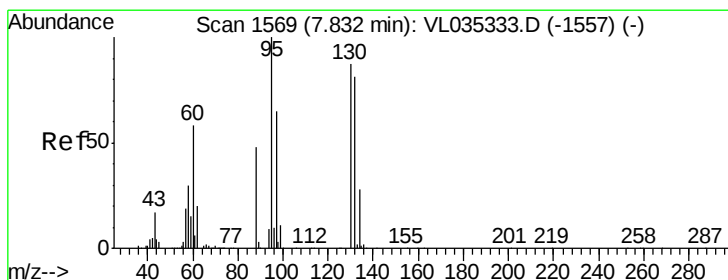
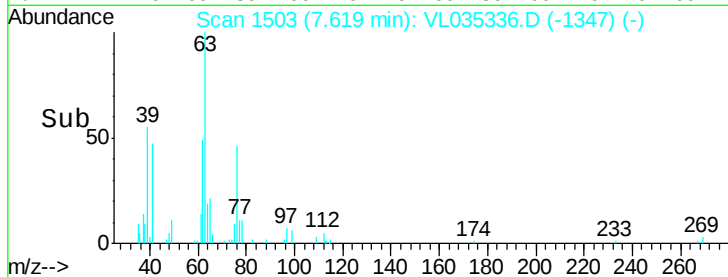
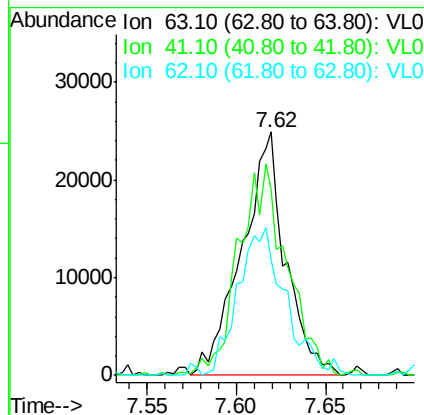
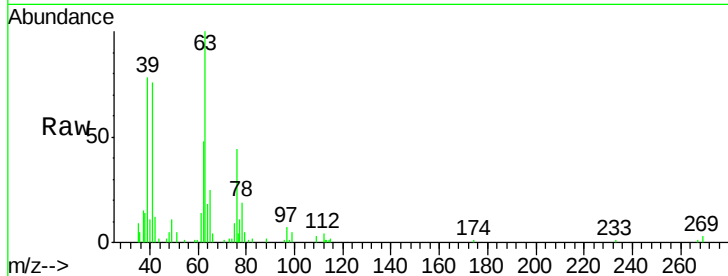
ClientSampleId :

VSTDIC0.5

Tot Ion	63	Resp	42706
Ion	Ratio	Lower	Upper
63	100		
41	76.3	64.4	96.6
62	46.1	52.6	78.8#

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#40

1,4-Dioxane

Concen: 0.418 ppbv m

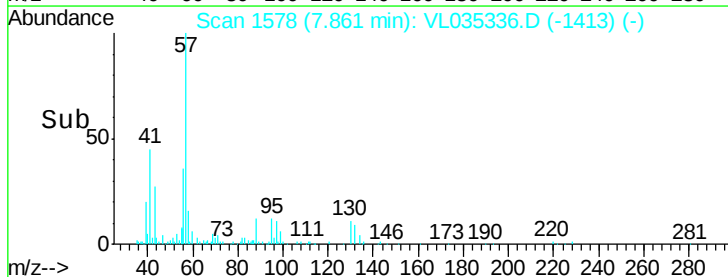
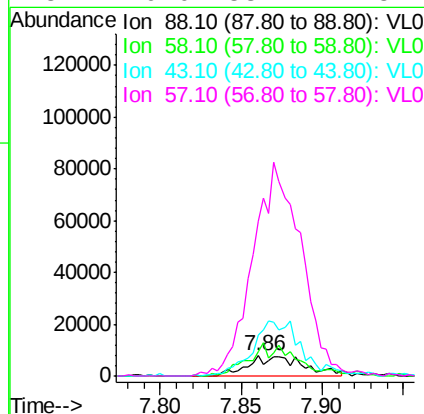
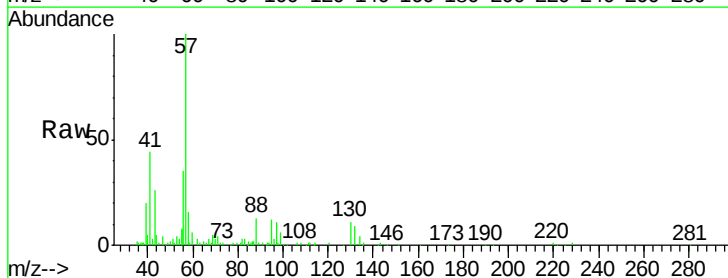
RT: 7.86 min Scan# 1578

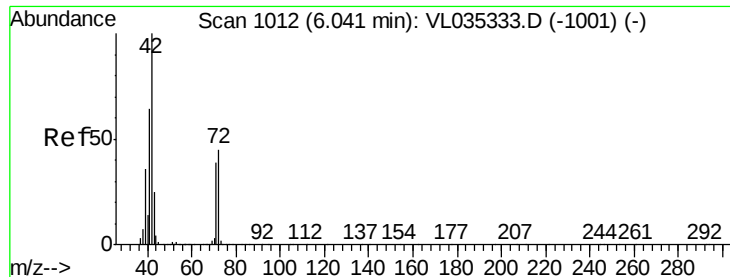
Delta R.T. 0.03 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion	88	Resp	18139
Ion	Ratio	Lower	Upper
88	100		
58	0.0	96.7	145.1#
43	0.0	190.7	286.1#
57	0.0	834.1	1251.1#





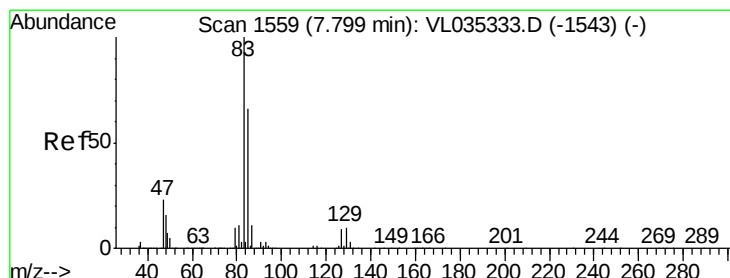
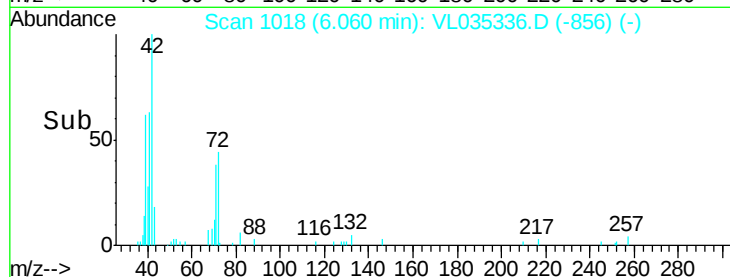
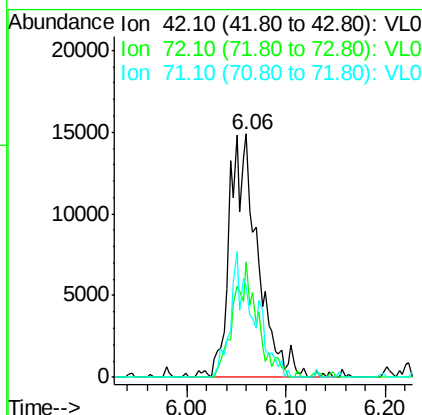
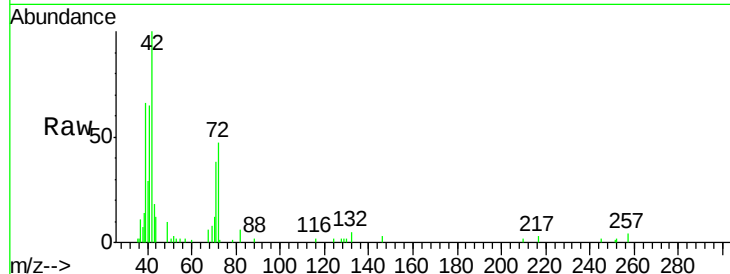
#41
Tetrahydrofuran
Concen: 0.329 ppbv m
RT: 6.06 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.6	50.4#
71	0.0	33.1	49.7#

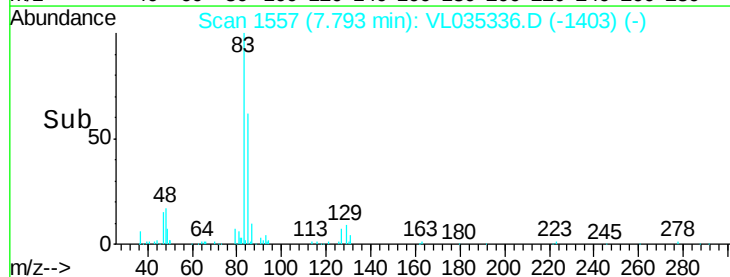
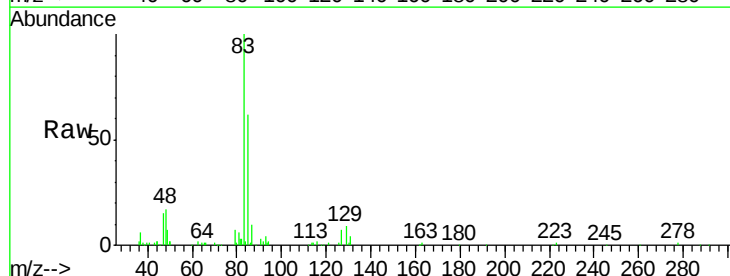
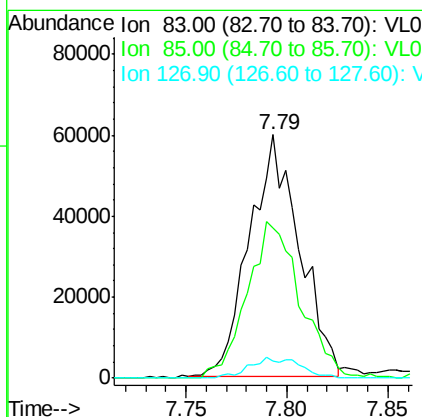
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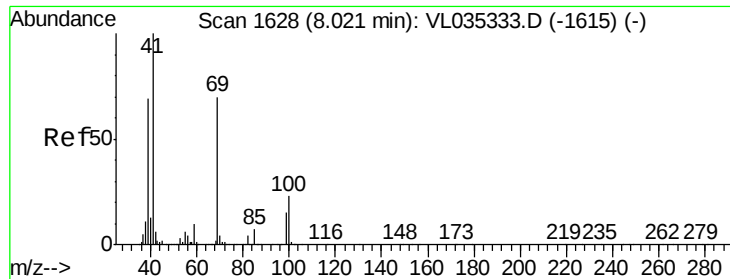
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#42
Bromodichloromethane
Concen: 0.440 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.1	79.7
127	7.2	6.8	10.2





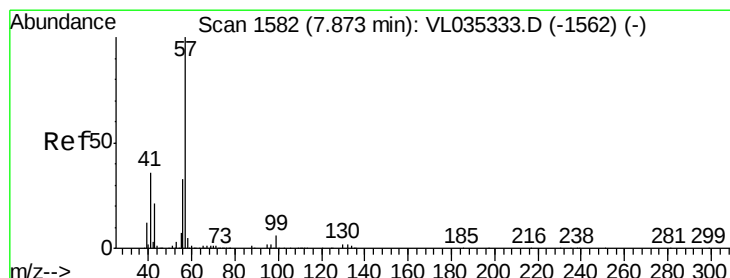
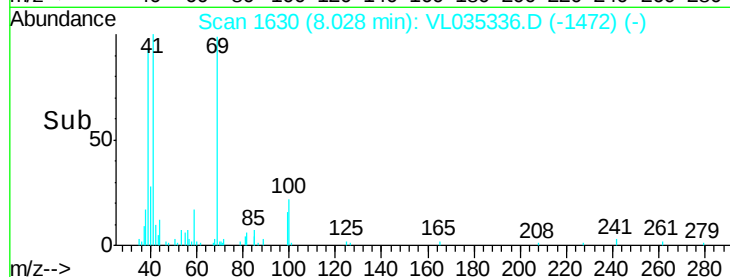
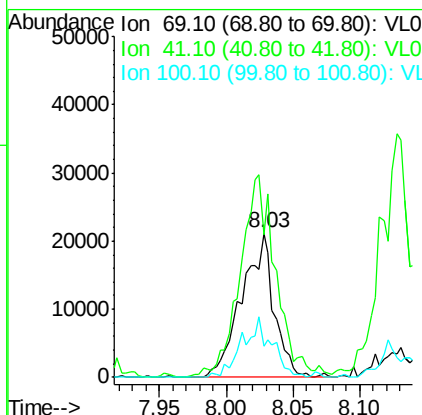
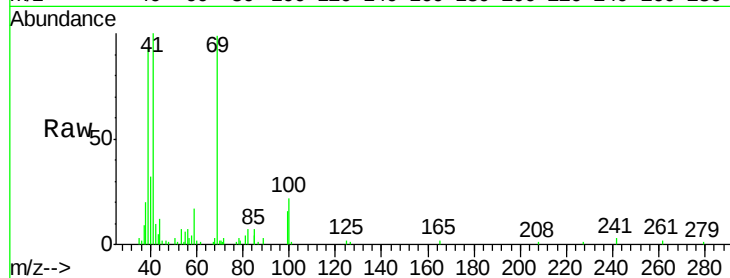
#43
Methvl Methacrylate
Concen: 0.336 ppbv m
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		35562		
41	0.0	115.8	173.6#		
100	0.0	26.7	40.1#		

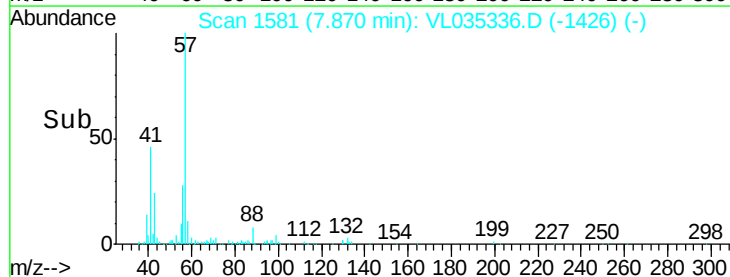
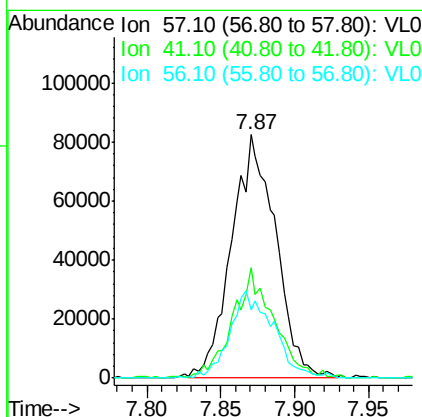
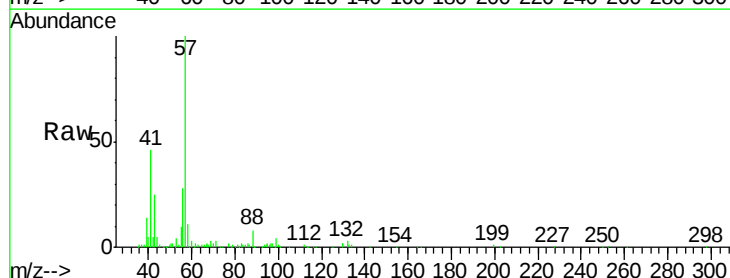
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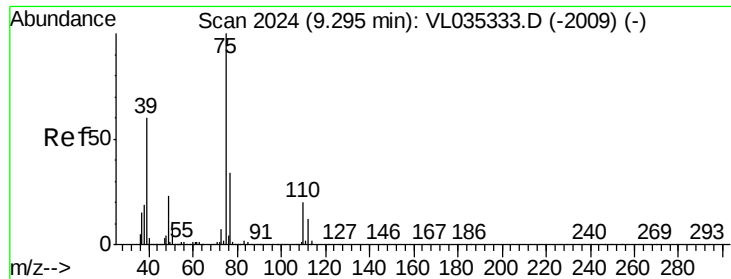
MMDadoda
8/6/2020 12:48:56 PM



#44
2,2,4-Trimethylpentane
Concen: 0.394 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		171082		
41	0.0	27.9	41.9#		
56	0.0	25.4	38.0#		





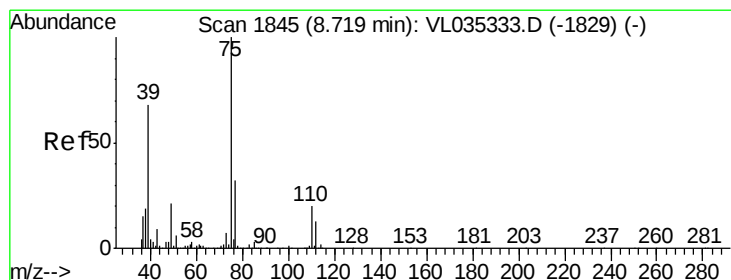
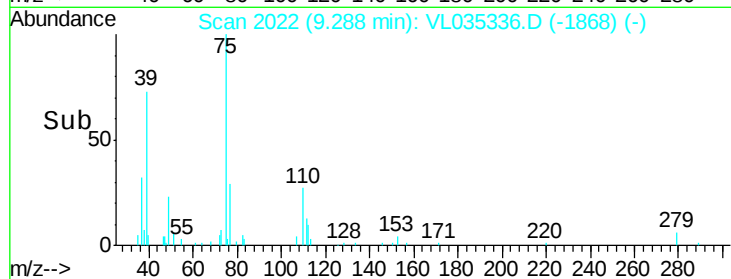
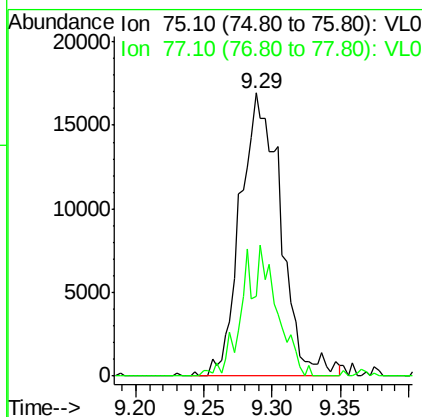
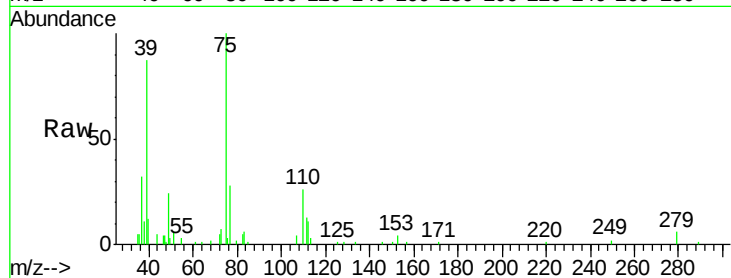
#45
t-1,3-Dichloropropene
Concen: 0.310 ppbv m
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.3	27.0	40.6

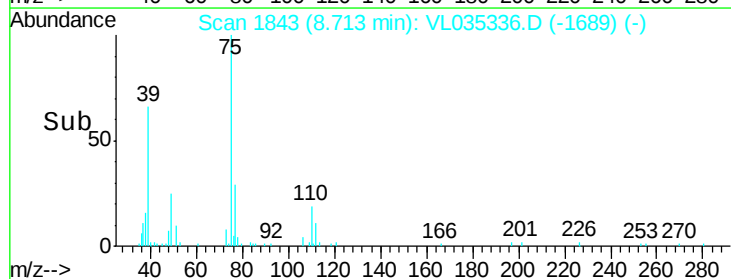
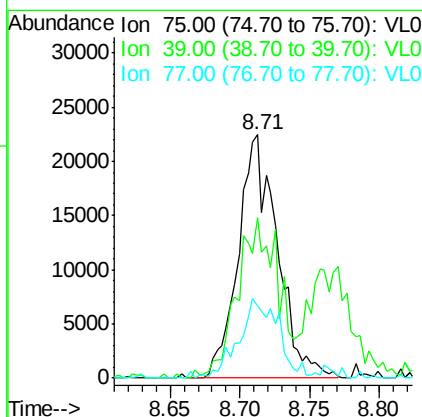
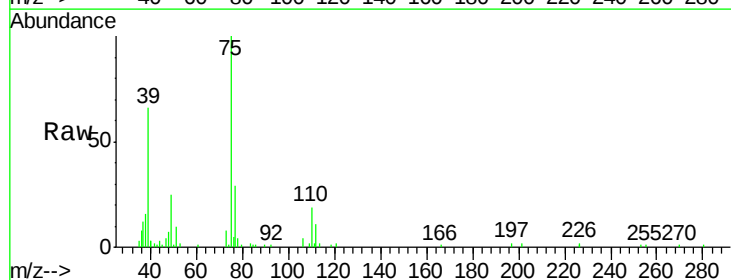
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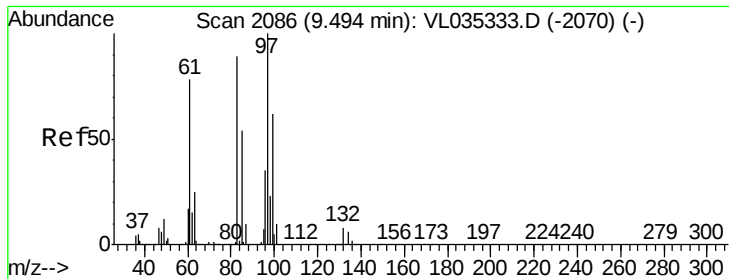
MMDadoda
8/6/2020 12:48:56 PM



#46
cis-1,3-Dichloropropene
Concen: 0.324 ppbv m
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
39	65.9	54.2	81.2
77	29.4	25.4	38.2





#47

1,1,2-Trichloroethane

Concen: 0.481 ppbv m

RT: 9.49 min Scan# 2084

Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 97 Resp: 55793

Ion Ratio Lower Upper

97 100

83 84.5 71.3 106.9

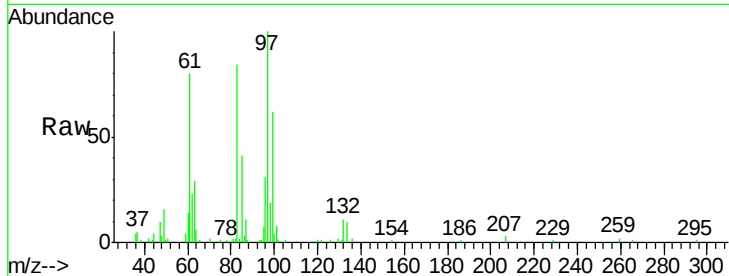
85 40.9 43.3 64.9#

99 61.7 49.8 74.8

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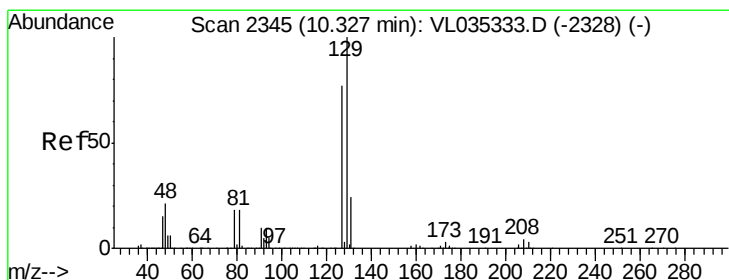
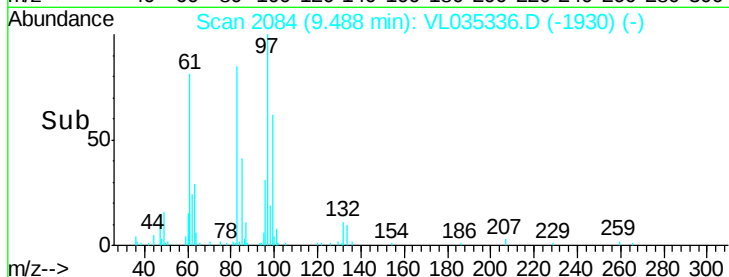
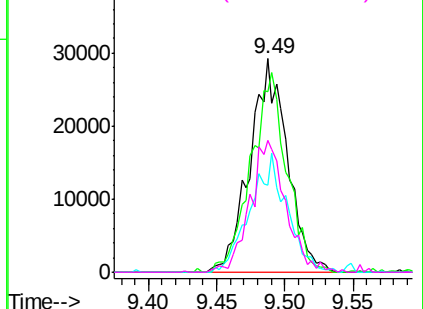


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.448 ppbv m

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL035336.D

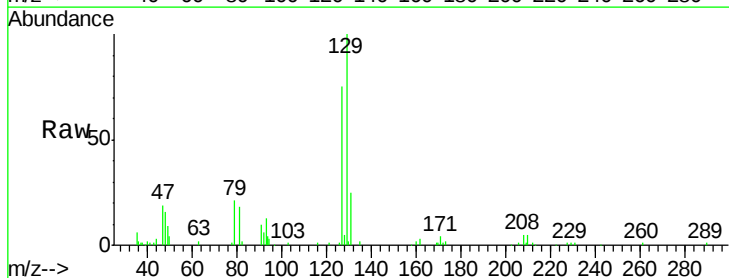
Acq: 5 Aug 2020 10:36

Tgt Ion: 129 Resp: 84635

Ion Ratio Lower Upper

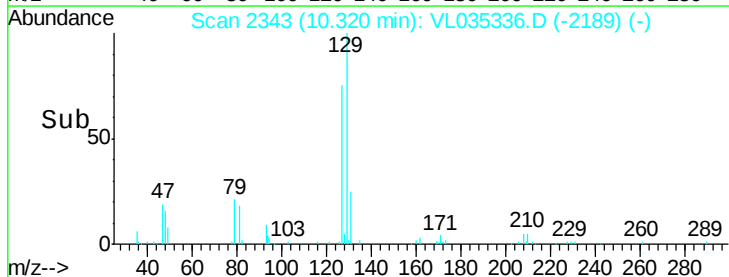
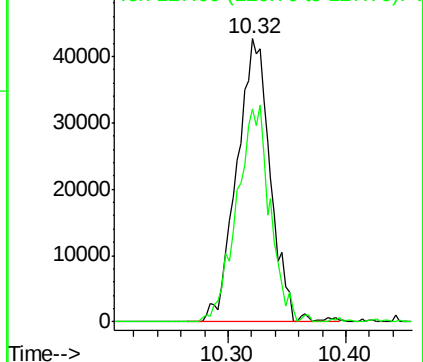
129 100

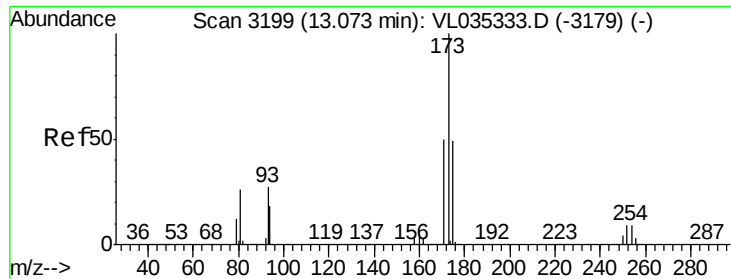
127 75.7 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





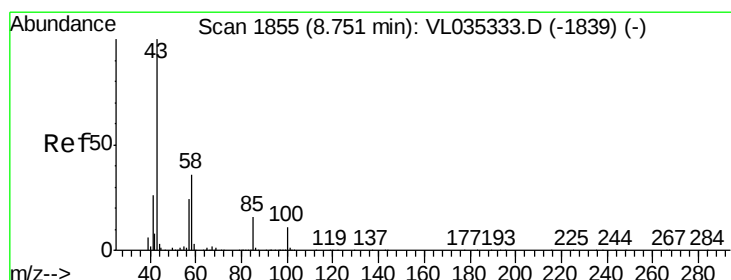
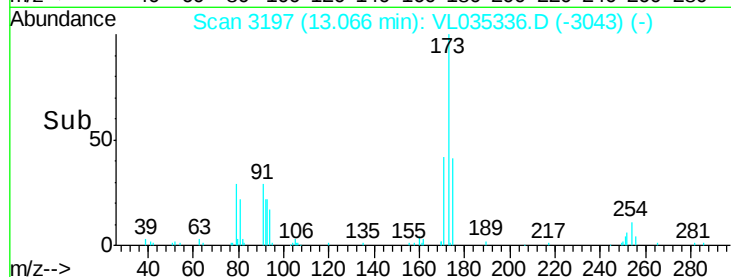
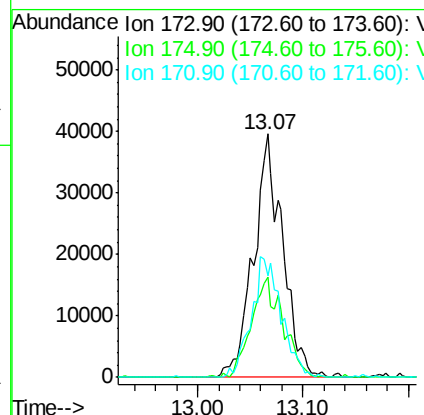
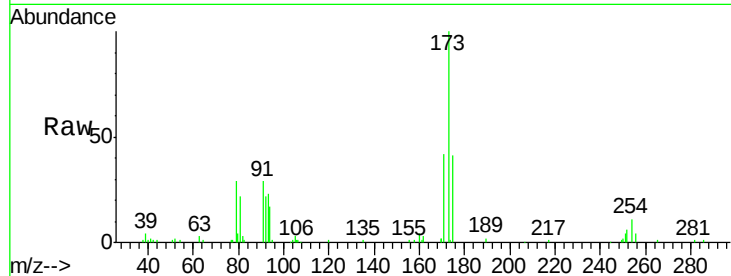
#49
Bromoform
Concen: 0.461 ppbv m
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.3	58.9#
171	0.0	41.2	61.8#

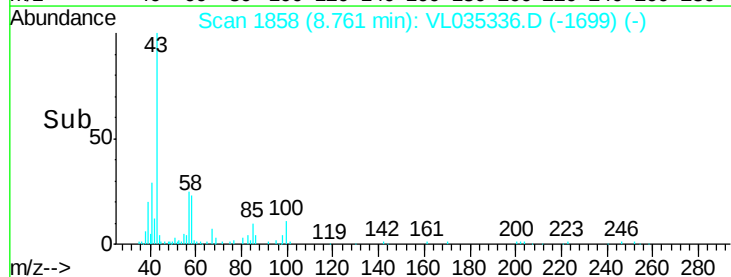
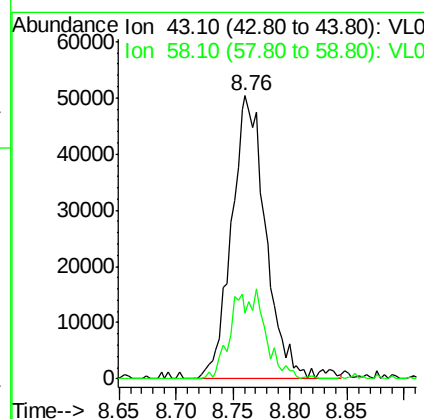
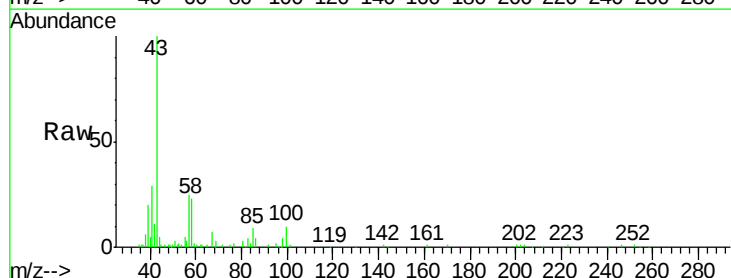
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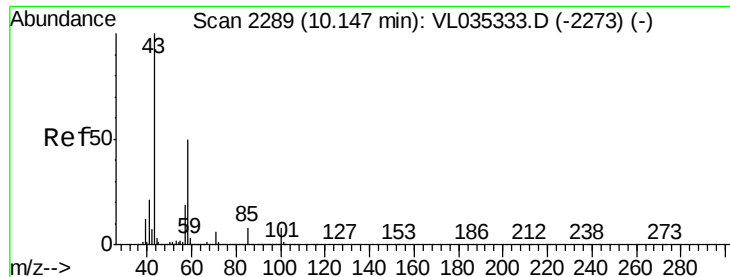
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.412 ppbv m
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.2	43.8#





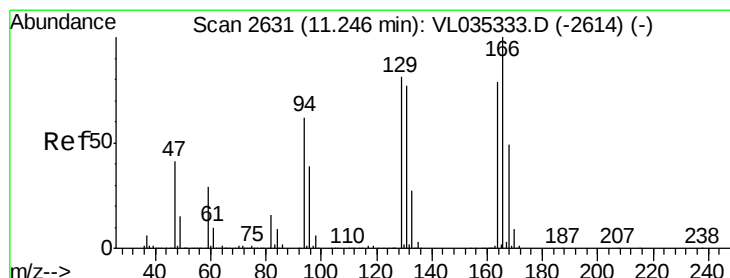
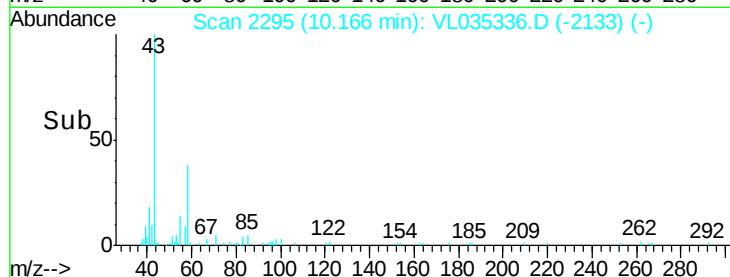
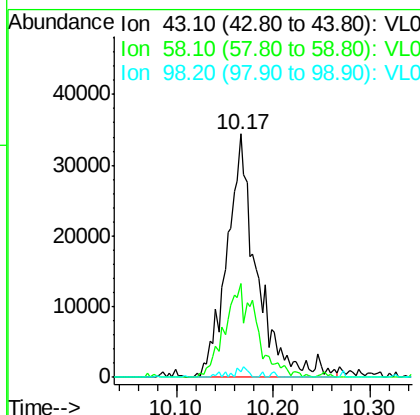
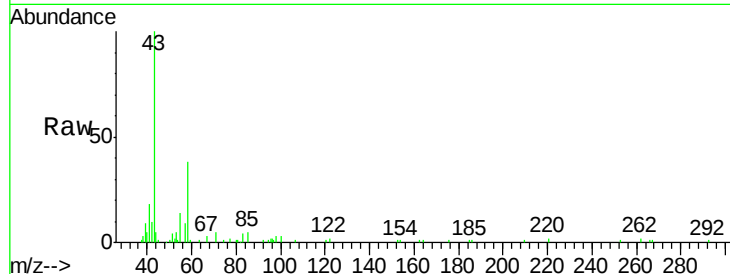
#51
2-Hexanone
Concen: 0.372 ppbv m
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	39.4	59.2
98	2.3	0.2	0.4

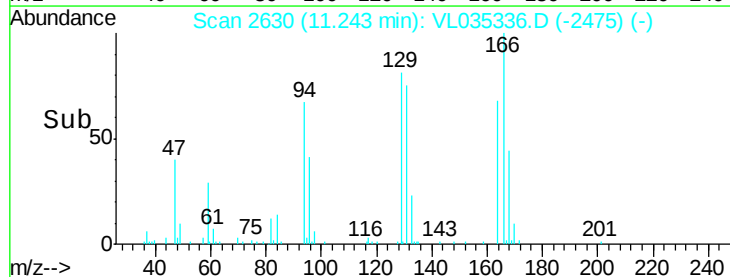
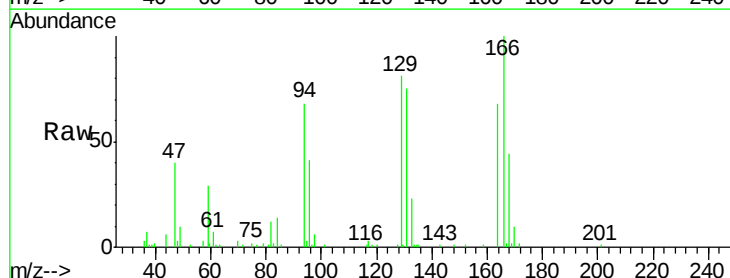
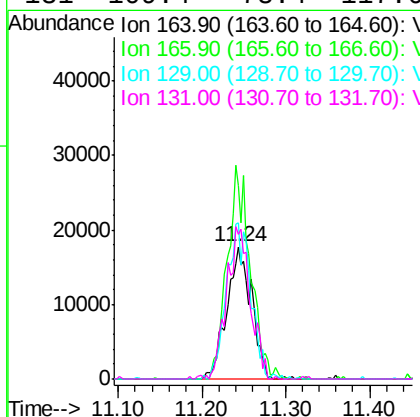
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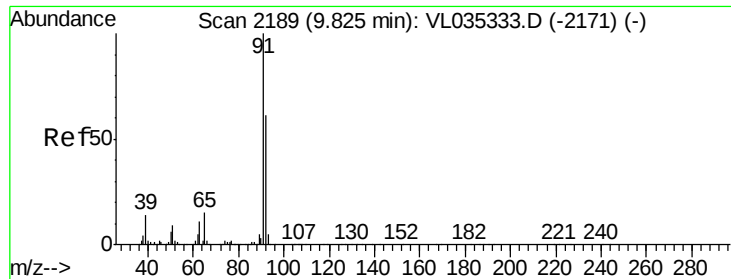
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#52
Tetrachloroethene
Concen: 0.409 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	146.7	101.4	152.0
129	118.2	82.1	123.1
131	109.4	78.4	117.6





#53

Toluene

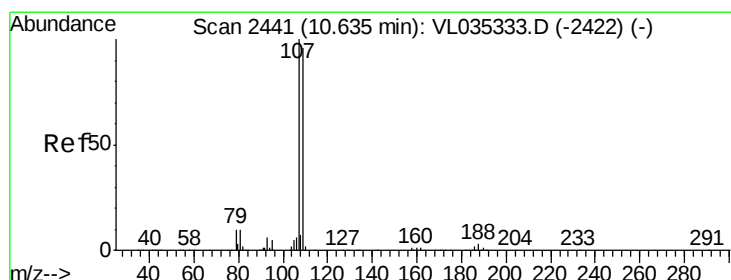
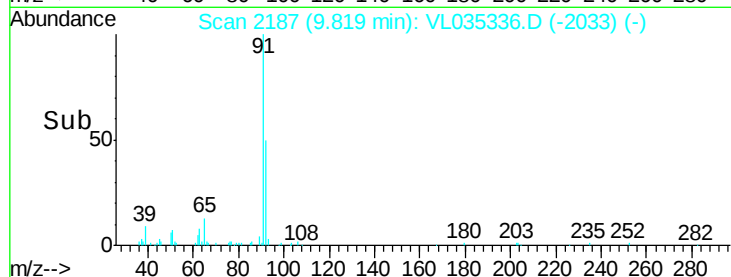
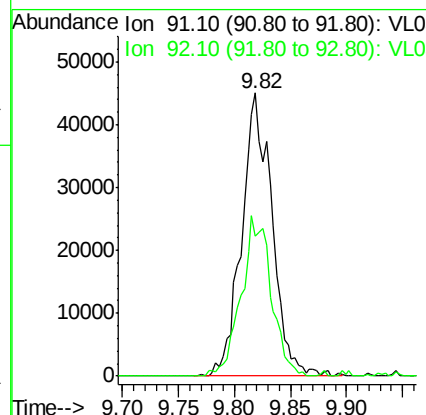
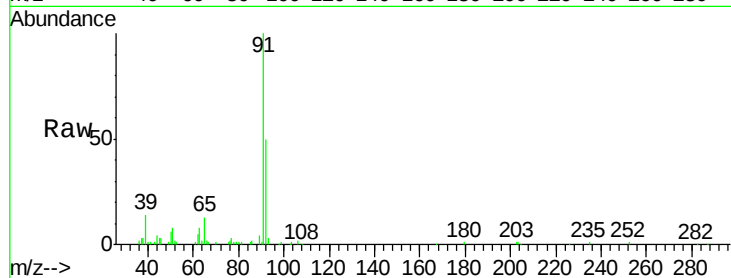
Concen: 0.317 ppbv m
RT: 9.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	48.5	72.7

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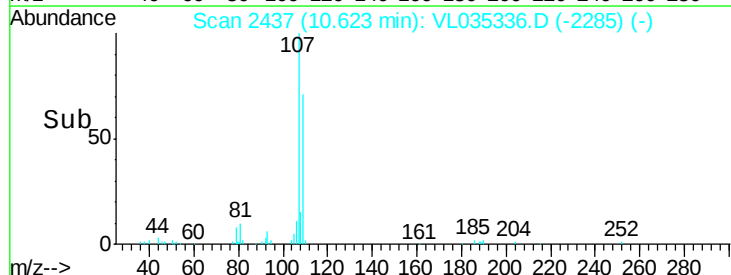
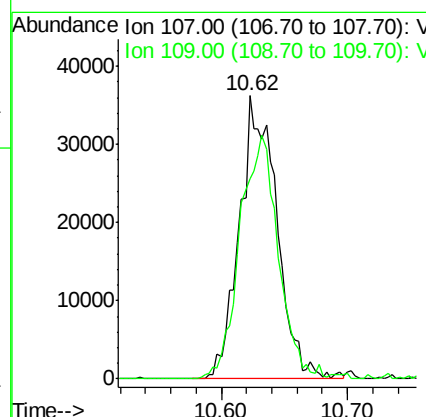
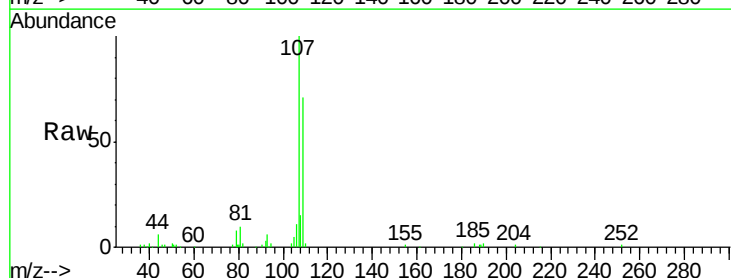


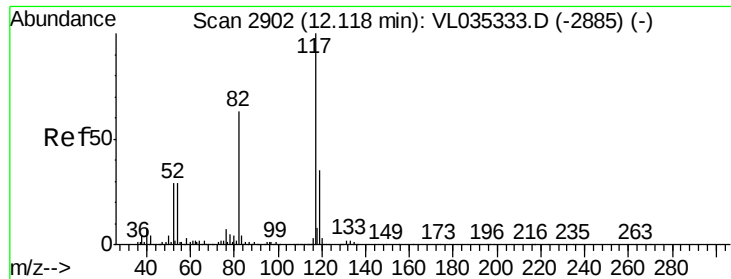
#54

1,2-Dibromoethane

Concen: 0.431 ppbv m
RT: 10.62 min Scan# 2437
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
107	100		
109	70.5	76.8	115.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3110142

Ion Ratio Lower Upper

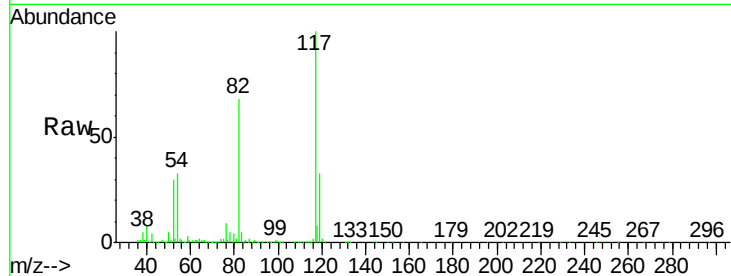
117 100

82 66.5 51.0 76.4

119 34.6 24.7 37.1

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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

2000000

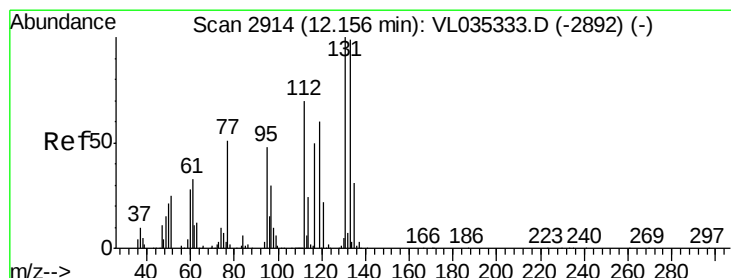
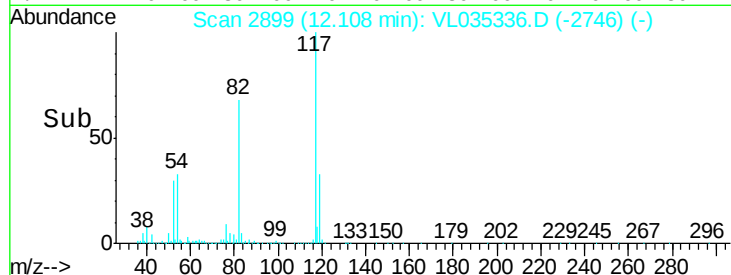
1500000

1000000

500000

0

Time--> 12.00 12.05 12.10 12.15



#56

1,1,1,2-Tetrachloroethane

Concen: 0.550 ppbv m

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

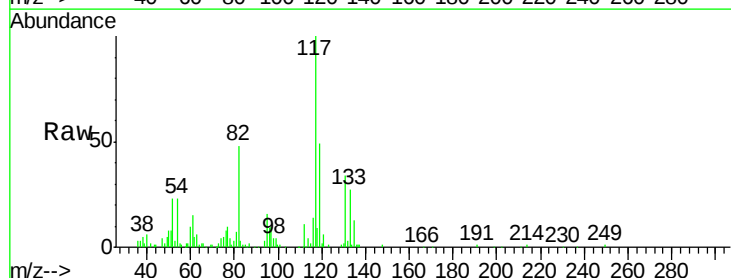
Tgt Ion:131 Resp: 80331

Ion Ratio Lower Upper

131 100

133 89.3 75.4 113.2

119 0.0 43.7 65.5#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

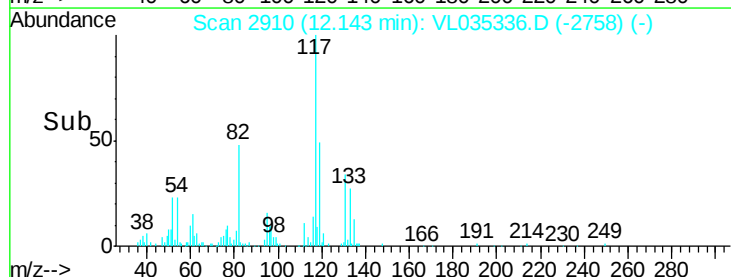
600000

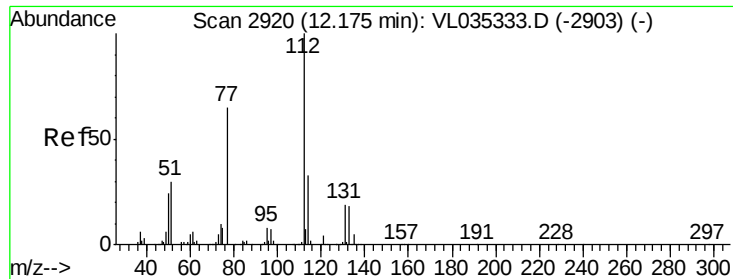
400000

200000

0

Time--> 12.10 12.20 12.30





#57

Chlorobenzene

Concen: 0.525 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

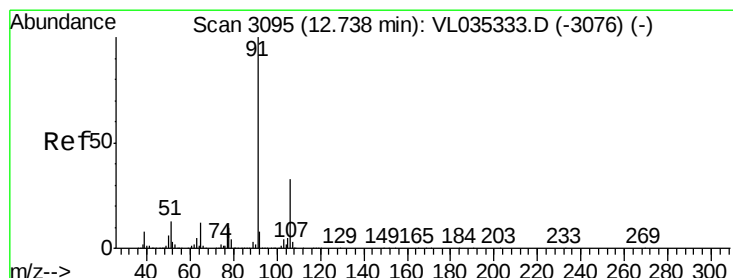
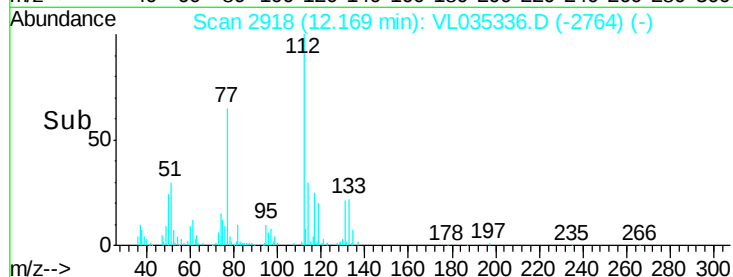
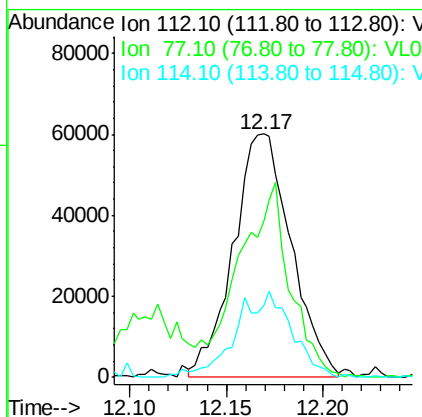
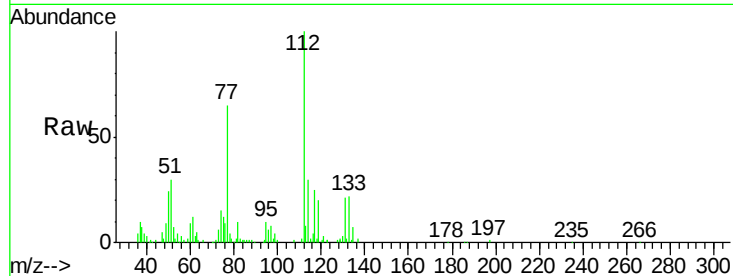
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	125066
Ion Ratio	Lower	Upper	
112	100		
77	63.9	53.3	79.9
114	30.1	29.8	36.4

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#58

Ethyl Benzene

Concen: 0.337 ppbv m

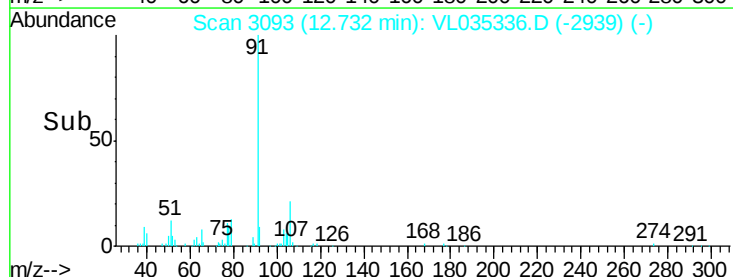
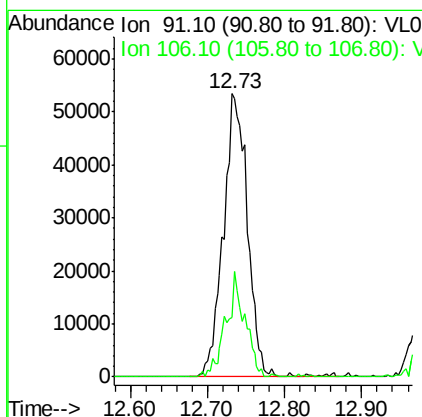
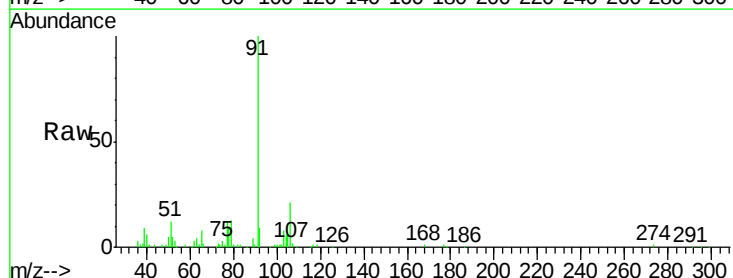
RT: 12.73 min Scan# 3093

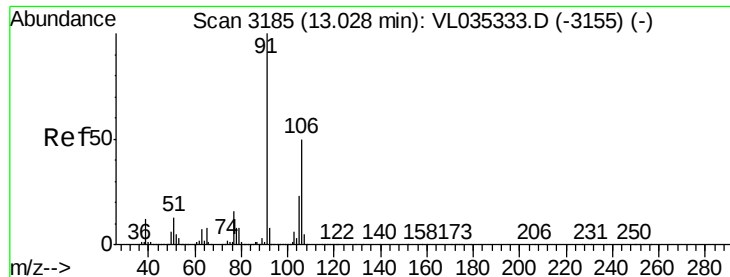
Delta R.T. -0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:	91	Resp:	114874
Ion Ratio	Lower	Upper	
91	100		
106	21.0	26.8	40.2#





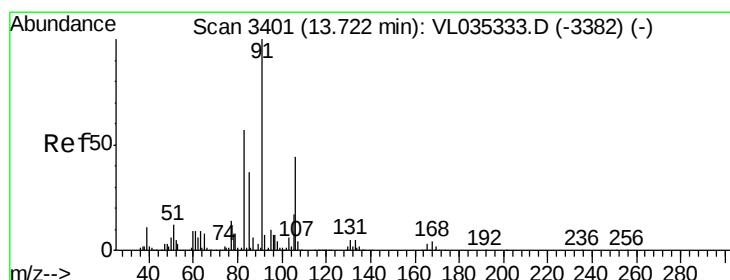
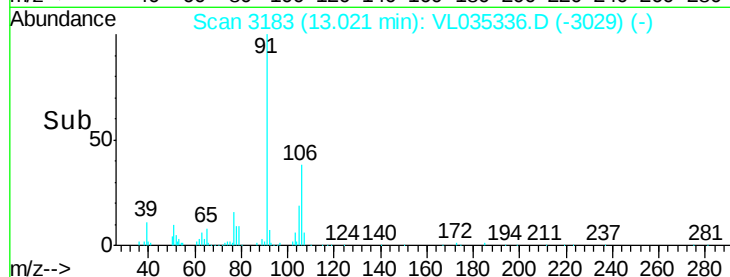
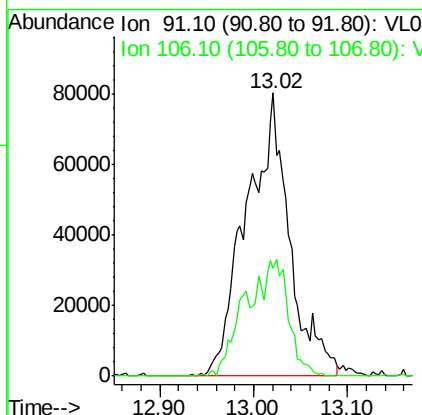
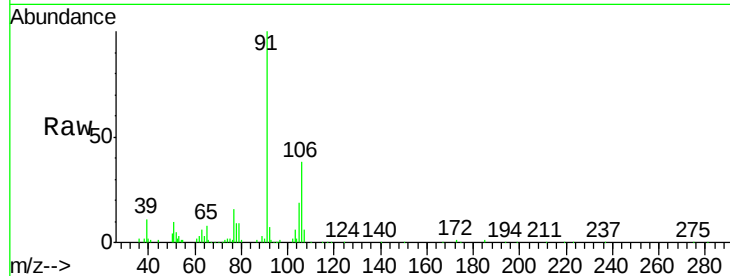
#59
m/p-Xylene
Concen: 0.811 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 255153
Ion Ratio Lower Upper
91 100
106 41.1 37.8 56.8

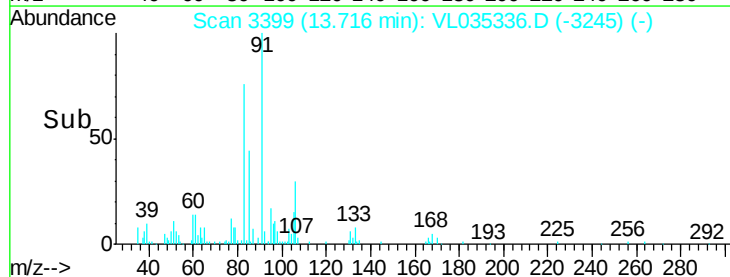
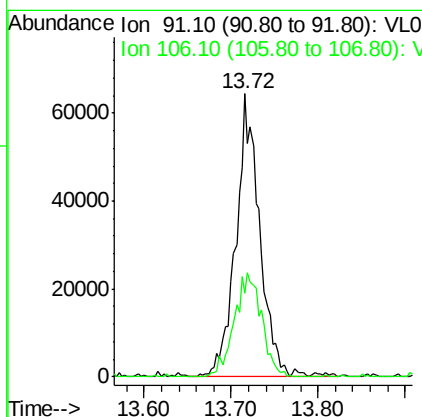
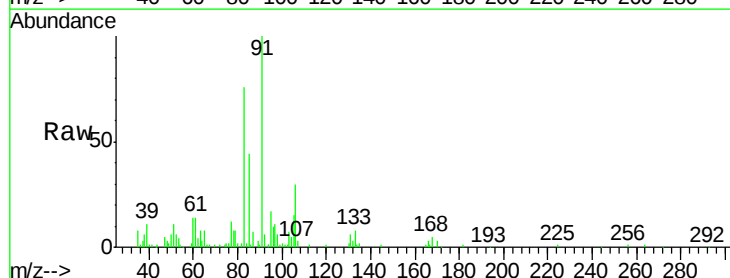
Manual Integrations
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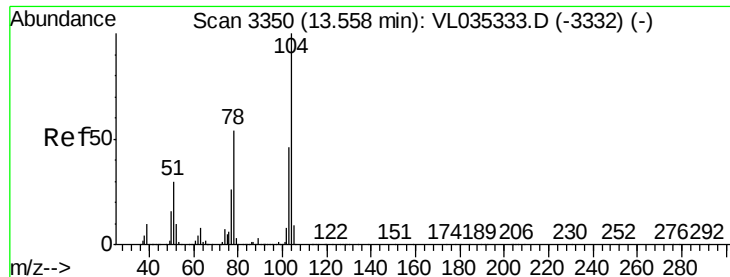
MMDadoda
8/6/2020 12:48:56 PM



#60
o-Xylene
Concen: 0.396 ppbv m
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035336.D
Acq: 5 Aug 2020 10:36

Tgt Ion: 91 Resp: 123054
Ion Ratio Lower Upper
91 100
106 41.6 22.7 68.0





#61

Stvrene

Concen: 0.293 ppbv m

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

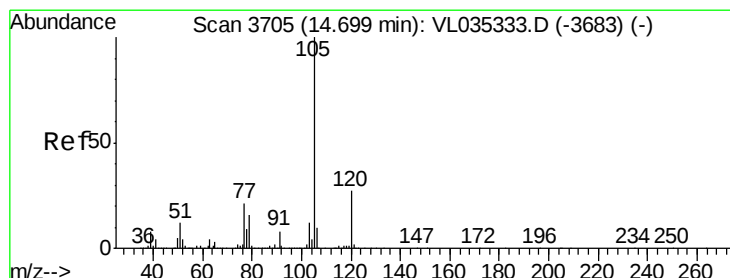
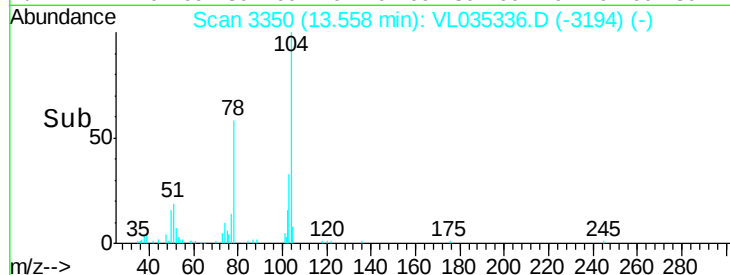
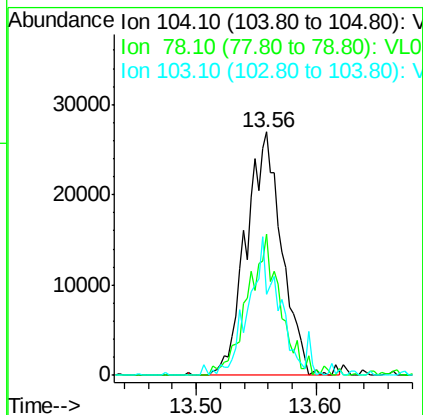
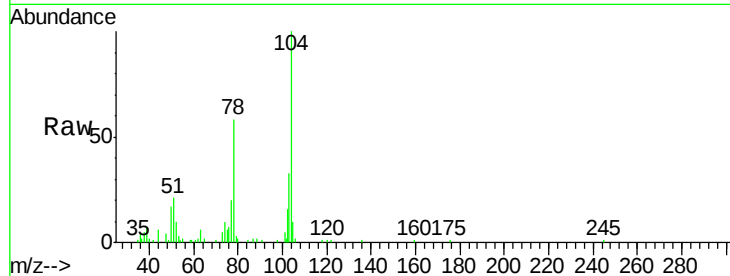
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.6	63.8#
103	0.0	38.1	57.1#

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#62

Isopropylbenzene

Concen: 0.413 ppbv

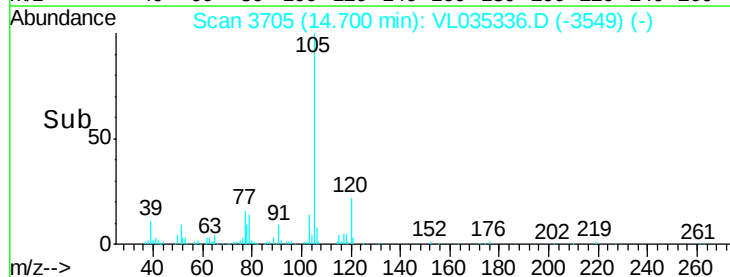
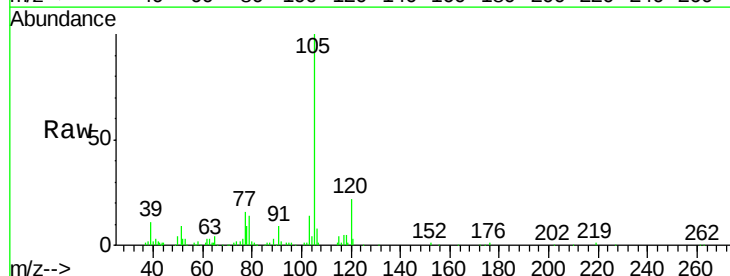
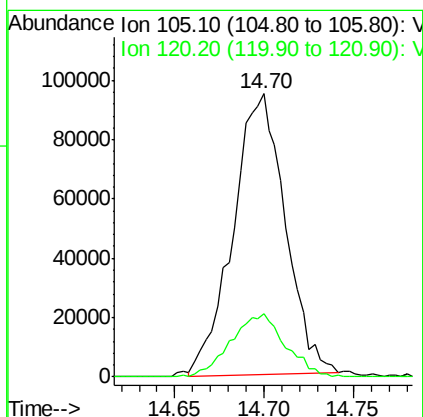
RT: 14.70 min Scan# 3705

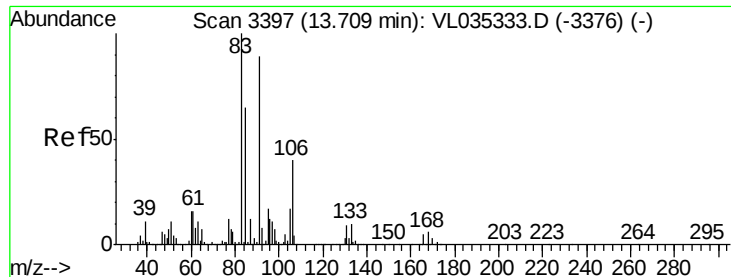
Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.3	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.533 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

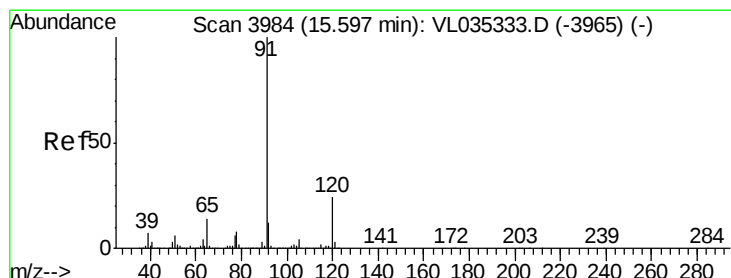
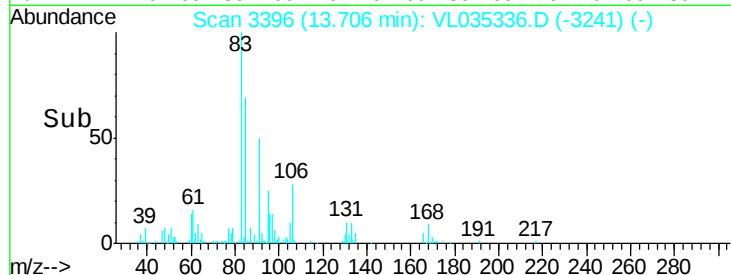
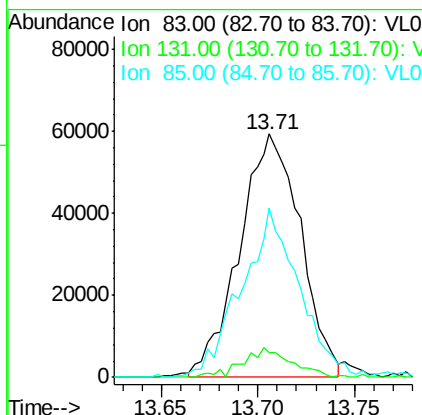
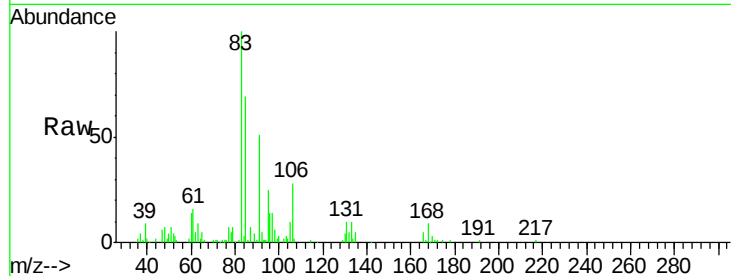
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	129969
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	66.1	32.6	98.0

Manual Integrations
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#64

n-propylbenzene

Concen: 0.416 ppbv m

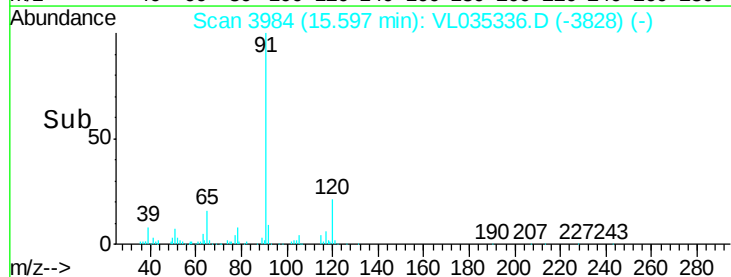
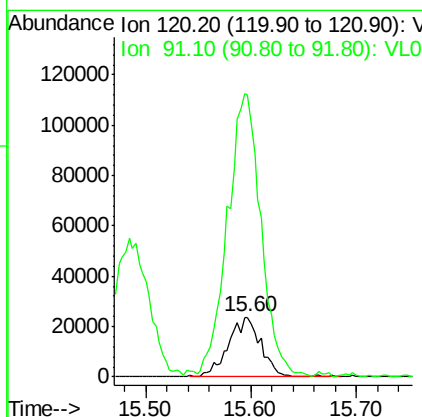
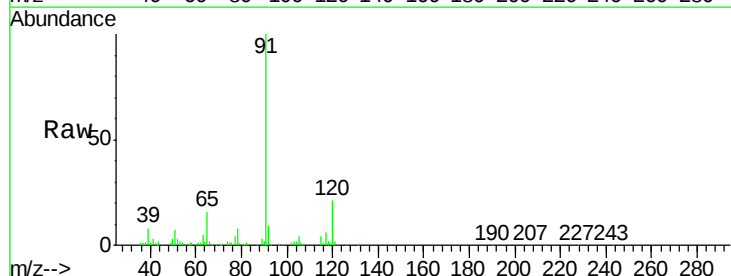
RT: 15.60 min Scan# 3984

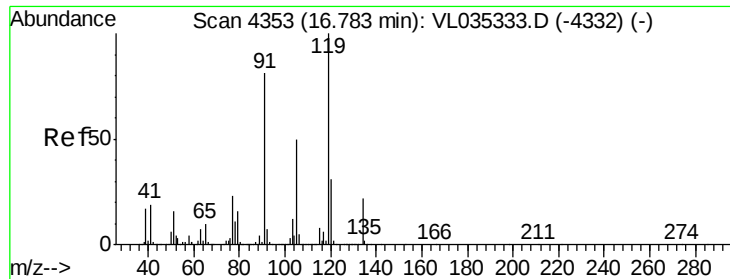
Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:	120	Resp:	51042
Ion Ratio	Lower	Upper	
120	100		
91	0.0	357.2	535.8#





#65

tert-Butylbenzene

Concen: 0.407 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

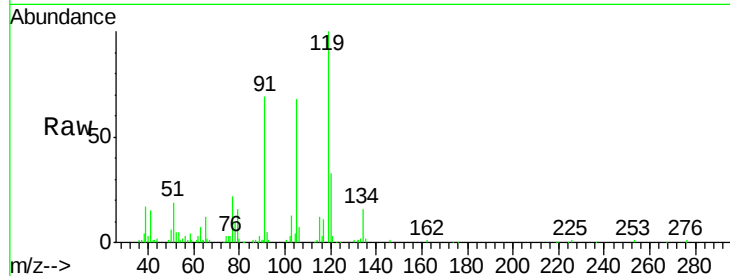
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	170895
Ion Ratio	Lower	Upper	
119	100		
91	89.2	66.3	99.5
134	17.7	16.2	24.2

Manual Integrations
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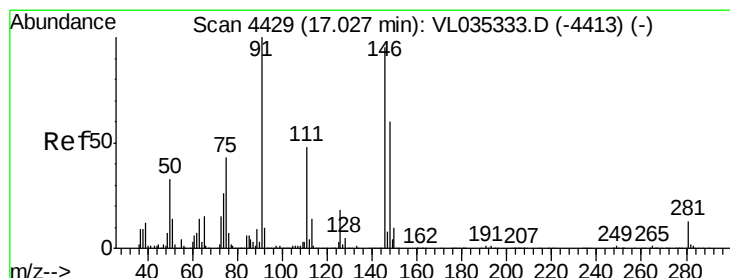
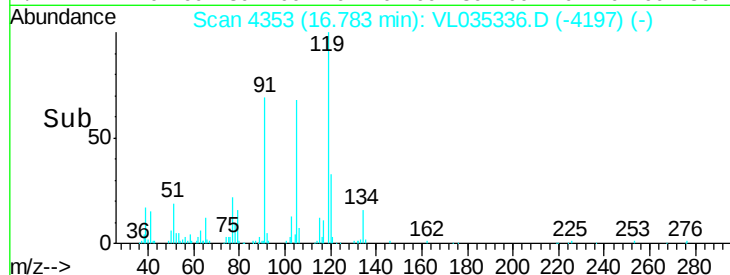
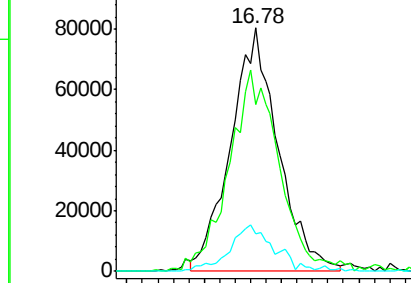
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8/6/2020 12:48:56 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.451 ppbv m

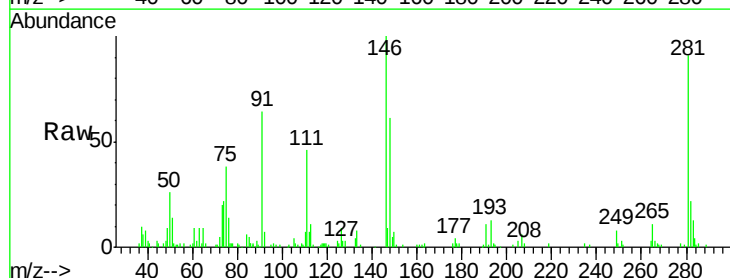
RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

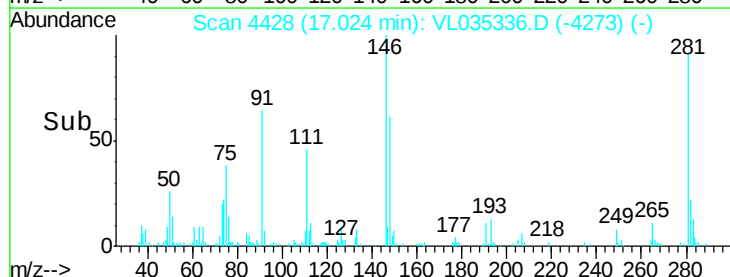
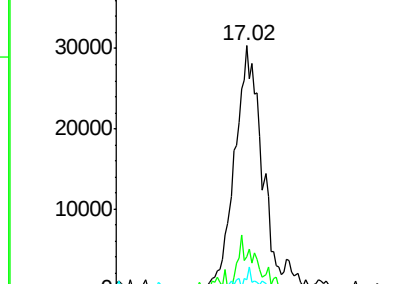
Tgt Ion:	91	Resp:	73179
Ion Ratio	Lower	Upper	
91	100		
126	15.3	14.1	21.1
128	4.2	4.5	6.7#

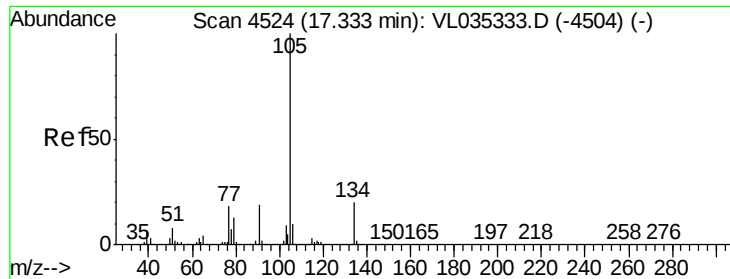


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





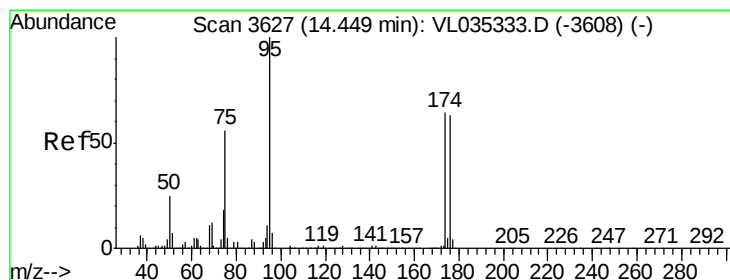
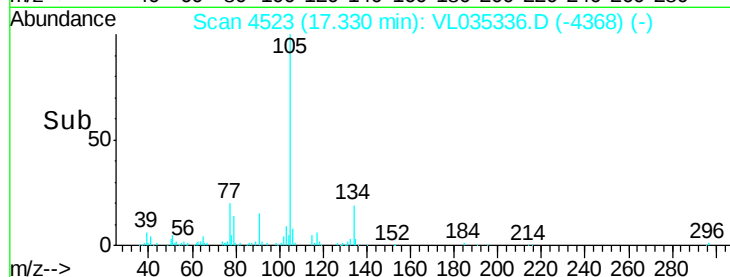
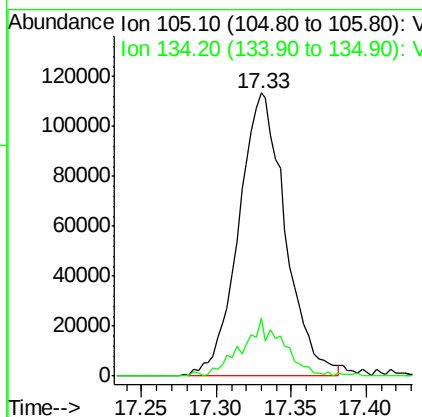
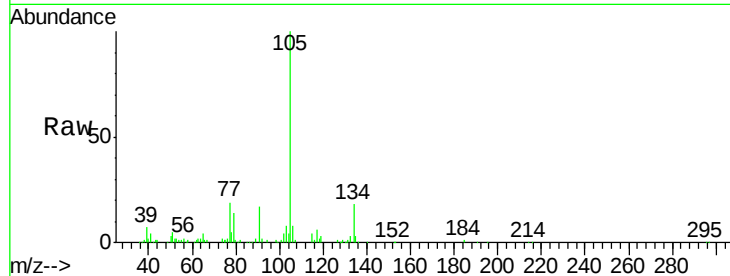
#67
 sec-Butylbenzene
 Concen: 0.413 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.4	23.2

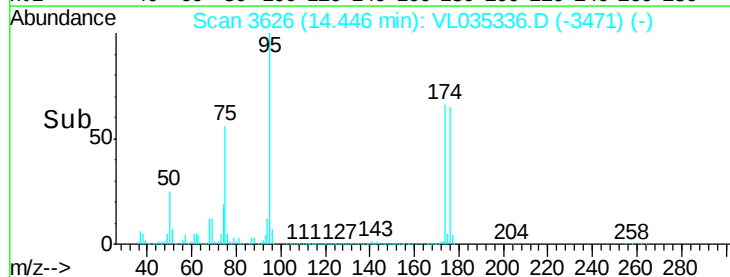
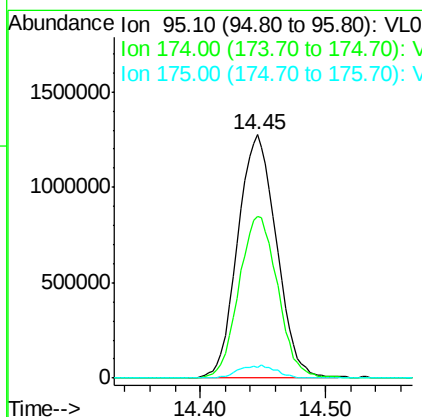
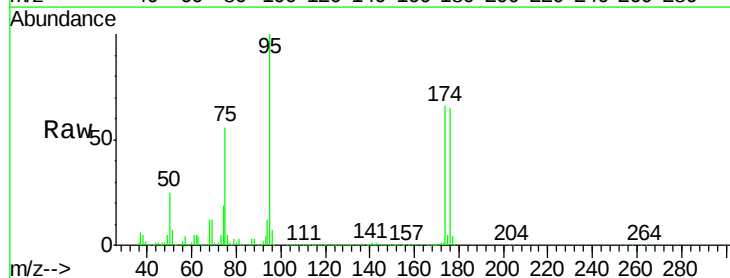
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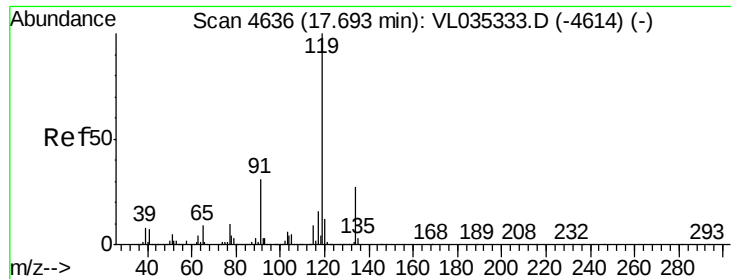
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.527 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.5	80.3
175	5.1	4.2	6.2





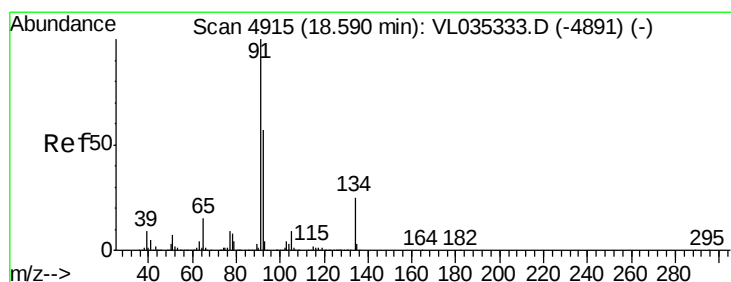
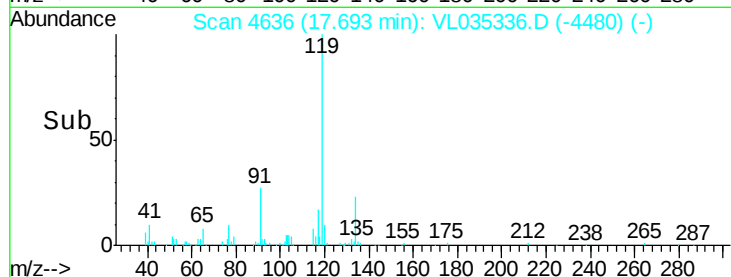
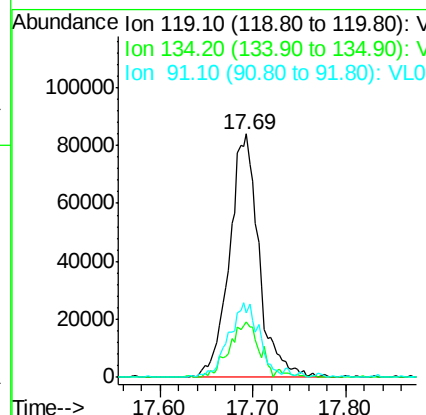
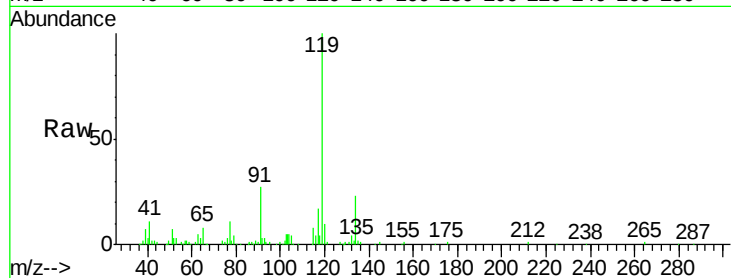
#69
 p-Isopropyltoluene
 Concen: 0.376 ppbv m
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.1	31.7#
91	0.0	24.5	36.7#

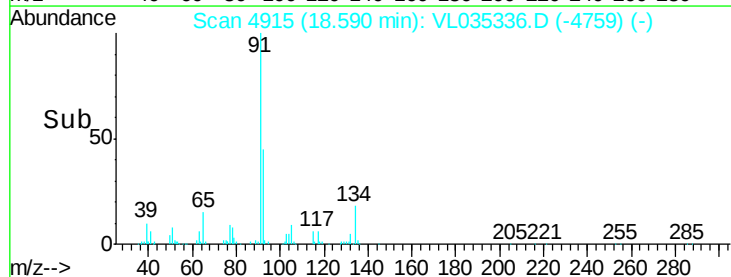
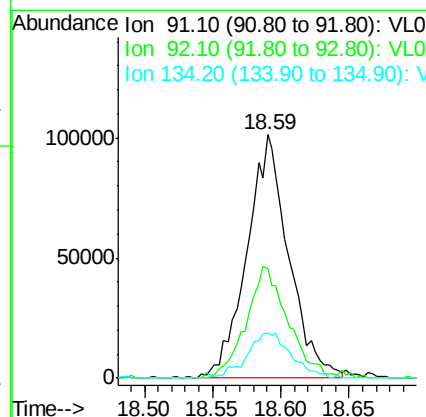
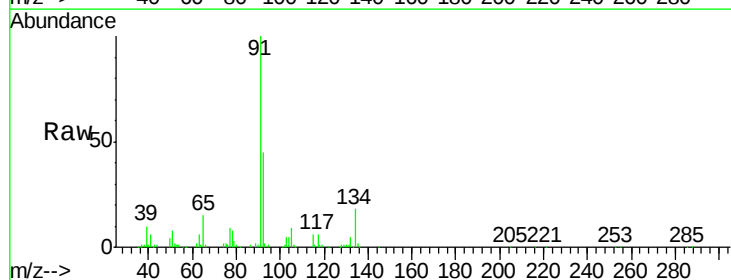
Manual Integrations
 APPROVED

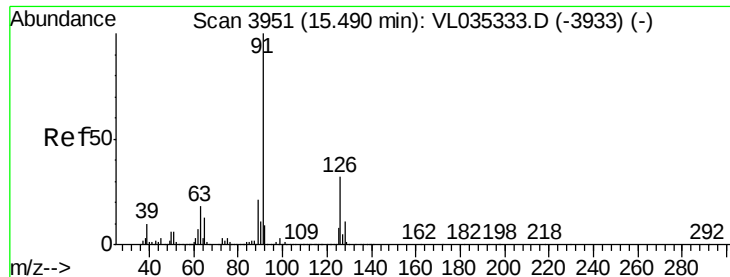
MMDadoda
 8/6/2020 12:48:56 PM



#70
 n-Butylbenzene
 Concen: 0.405 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.3	44.2	66.2
134	20.0	19.0	28.6





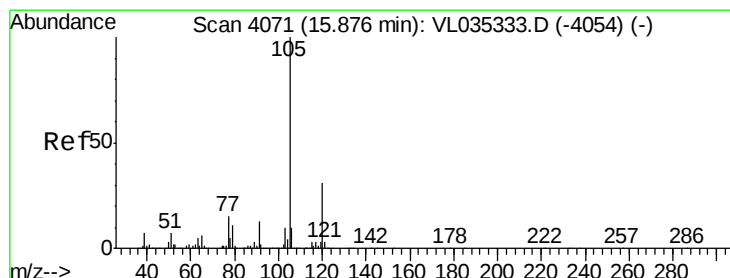
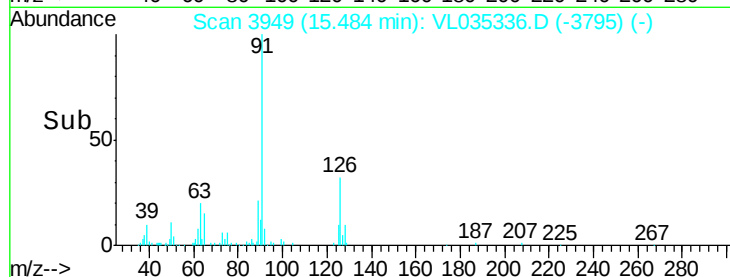
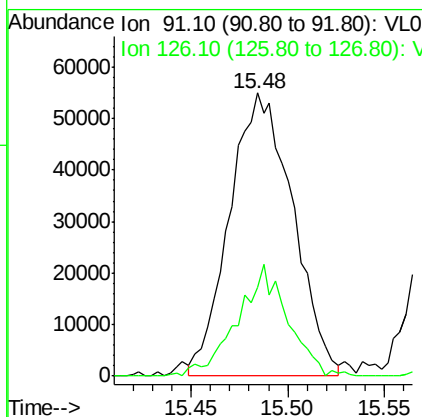
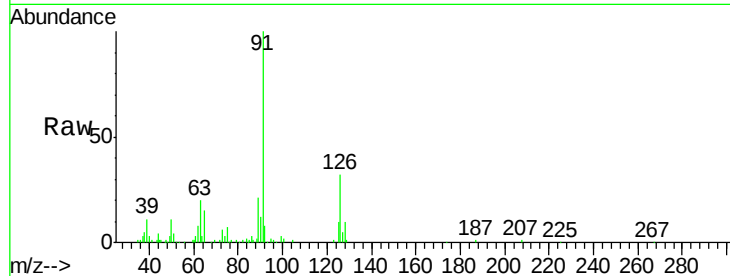
#71
 2-Chlorotoluene
 Concen: 0.356 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. -0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.5	50.1

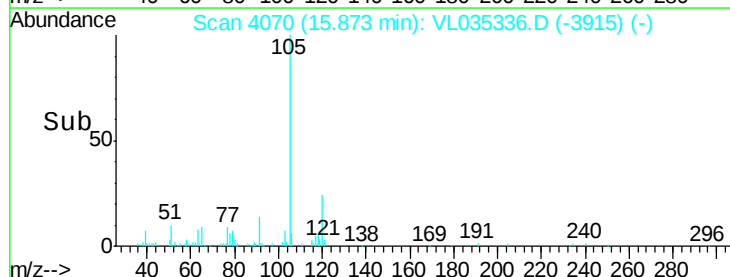
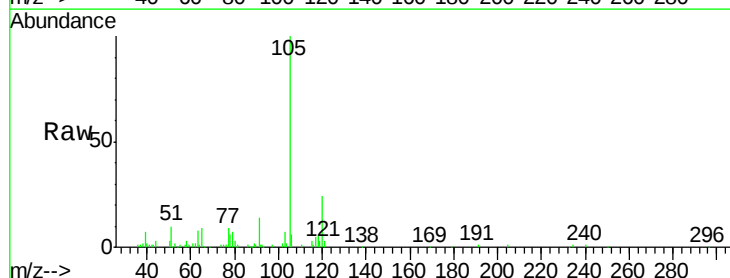
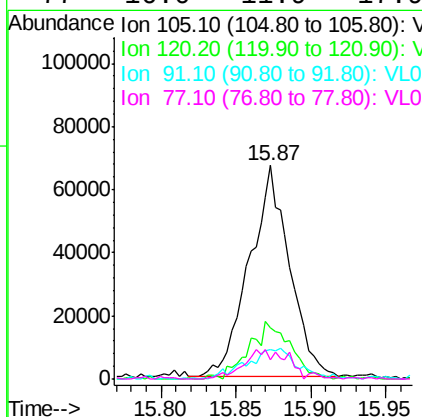
Manual Integrations
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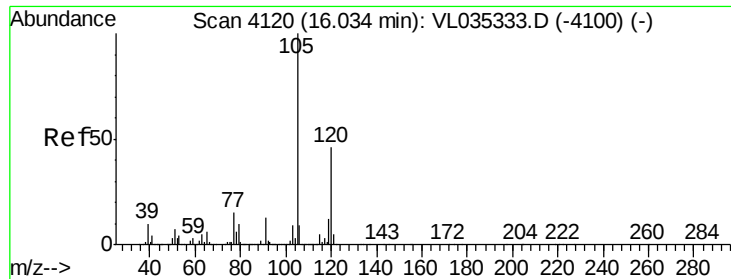
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#72
 4-Ethyltoluene
 Concen: 0.358 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	24.0	36.0
91	17.3	10.8	16.2
77	16.0	11.9	17.9





#73

1,3,5-Trimethylbenzene

Concen: 0.353 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 121159

Ion Ratio Lower Upper

105 100

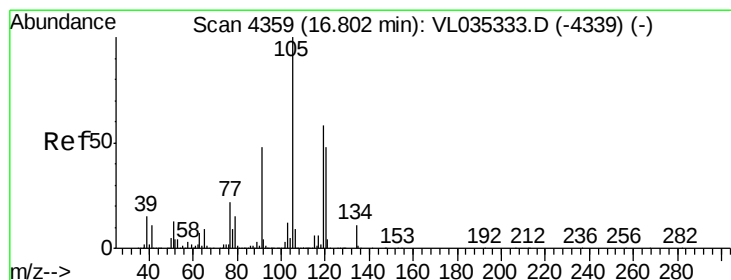
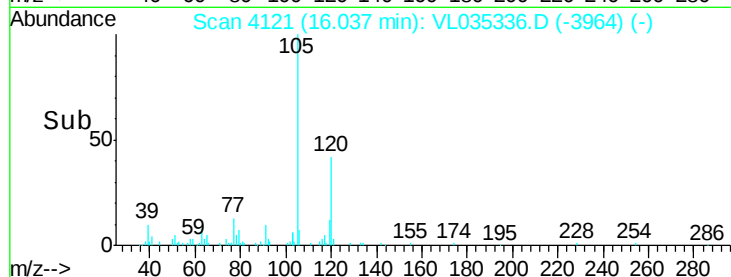
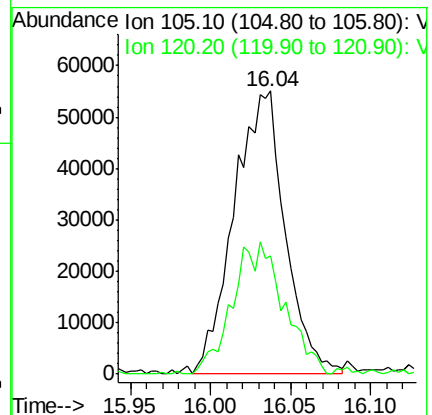
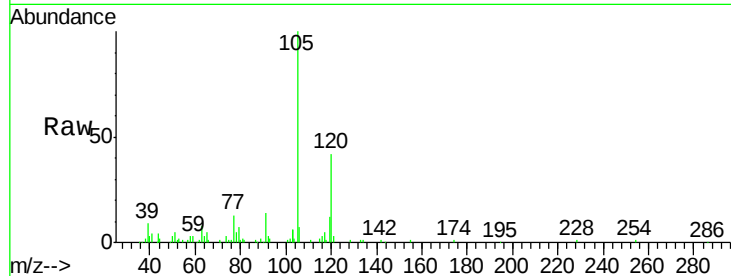
120 41.6 36.9 55.3

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 0.432 ppbv m

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:105 Resp: 170168

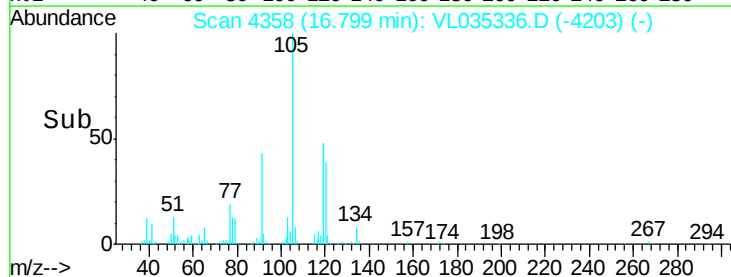
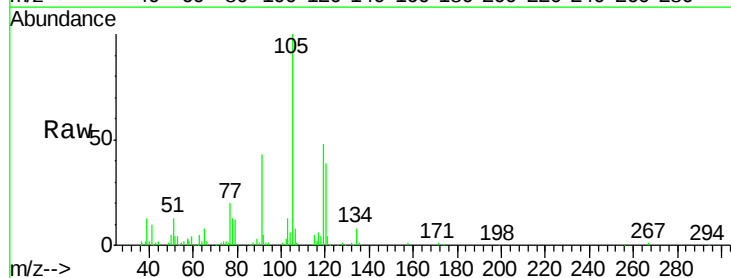
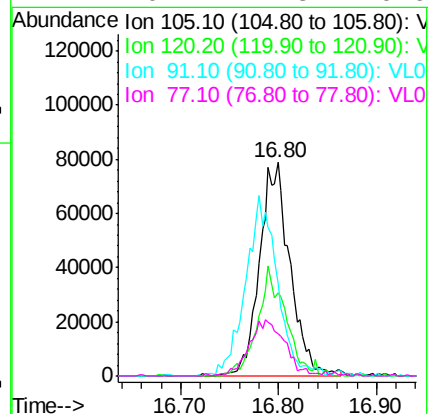
Ion Ratio Lower Upper

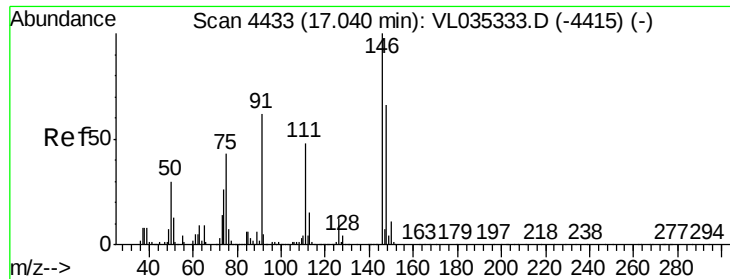
105 100

120 39.0 38.5 57.7

91 42.9 39.0 58.6

77 19.7 17.8 26.6





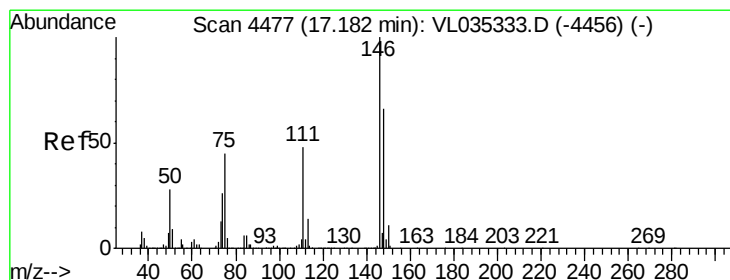
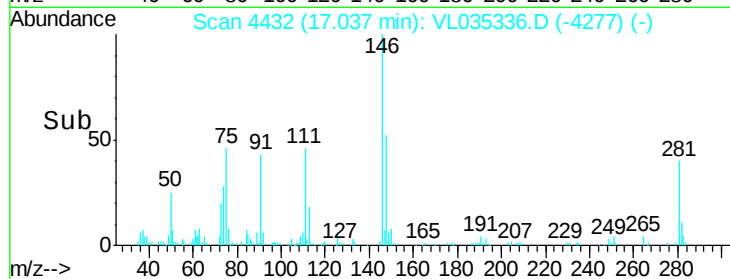
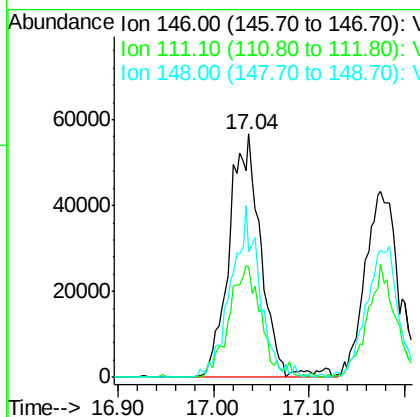
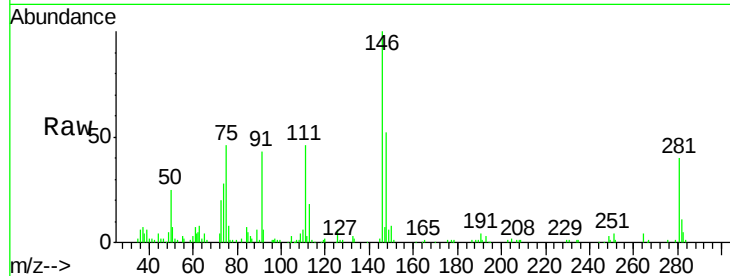
#75
 1,3-Dichlorobenzene
 Concen: 0.536 ppbv m
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	0.0	32.6	98.0#

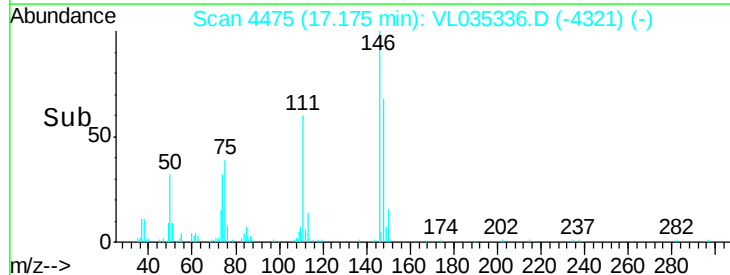
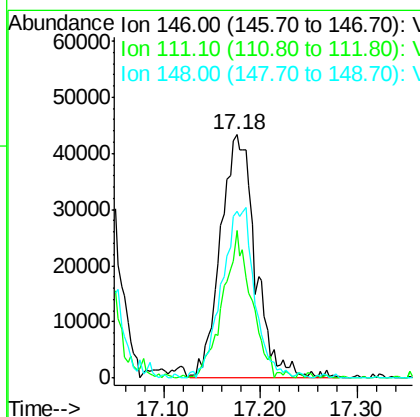
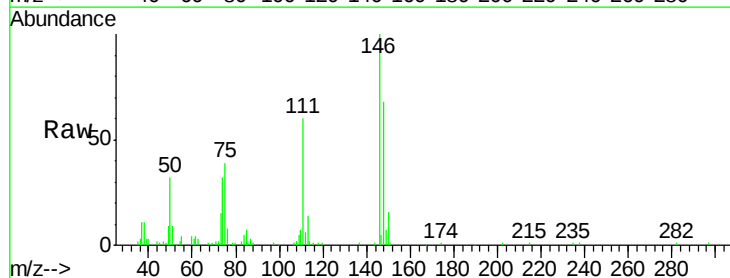
Manual Integrations
 APPROVED

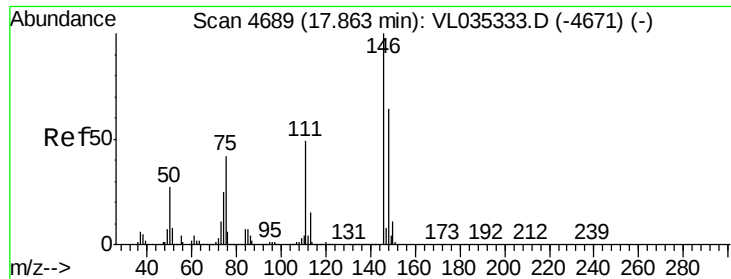
MMDadoda
 8/6/2020 12:48:56 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.470 ppbv m
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.2	23.3	69.9
148	0.0	32.1	96.5#





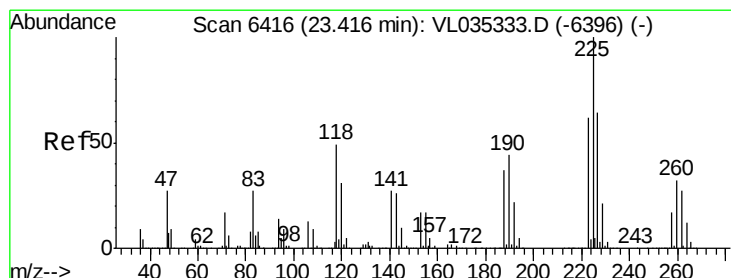
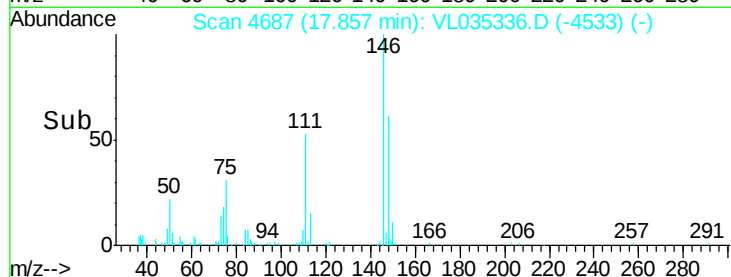
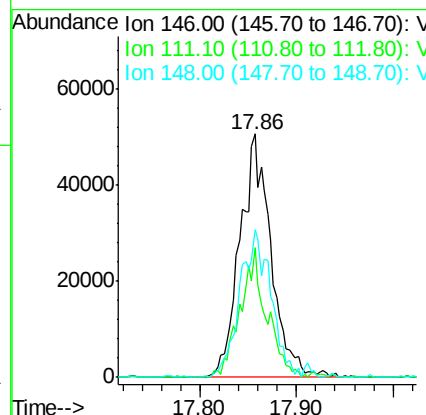
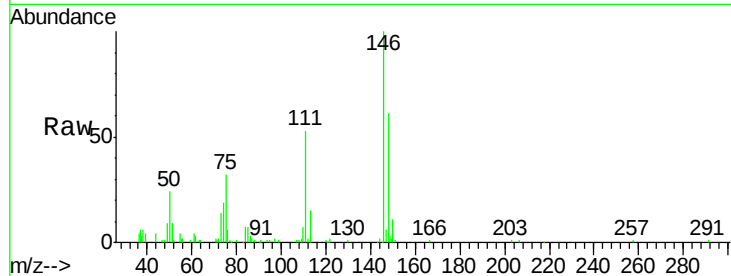
#77
 1,2-Dichlorobenzene
 Concen: 0.498 ppbv m
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.9	74.7#
148	0.0	31.9	95.9#

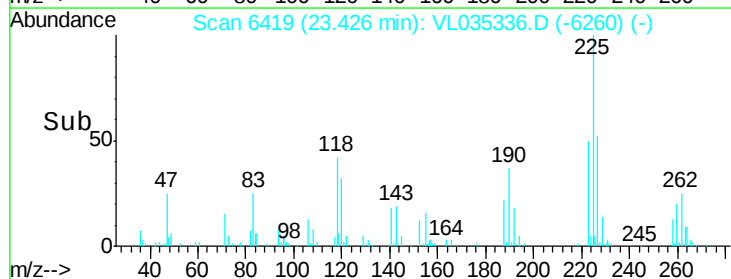
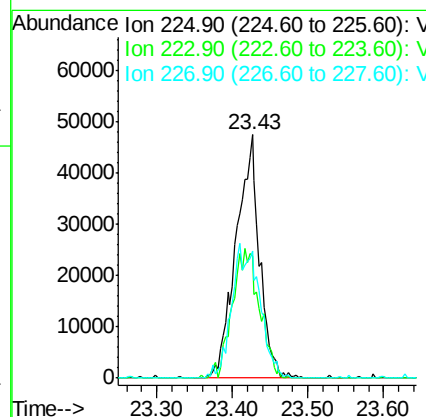
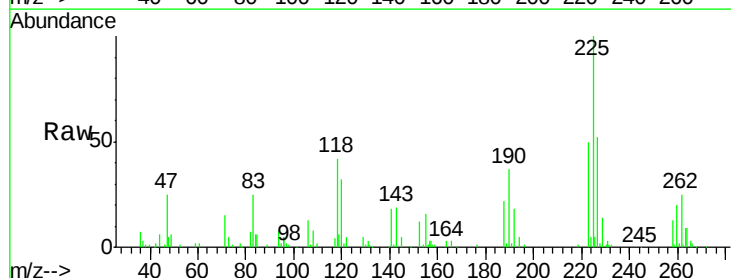
Manual Integrations
 APPROVED

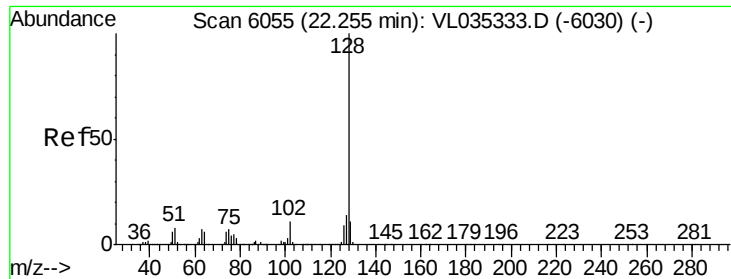
MMDadoda
 8/6/2020 12:48:56 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.561 ppbv m
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.3	75.5
227	64.6	52.7	79.1





#79

Naphthalene

Concen: 0.291 ppbv m

RT: 22.27 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Instrument :

MSVOA_L

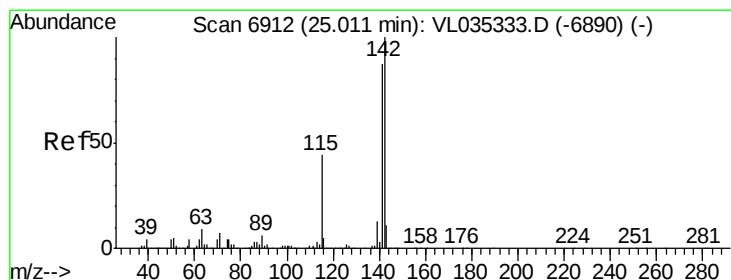
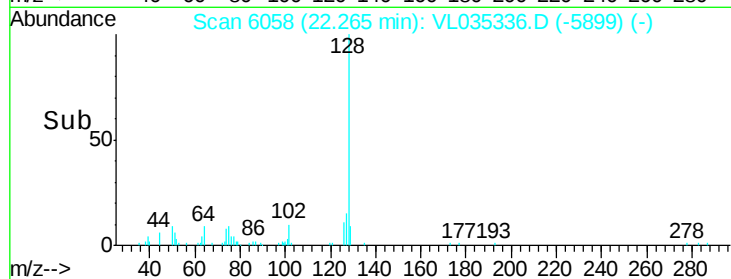
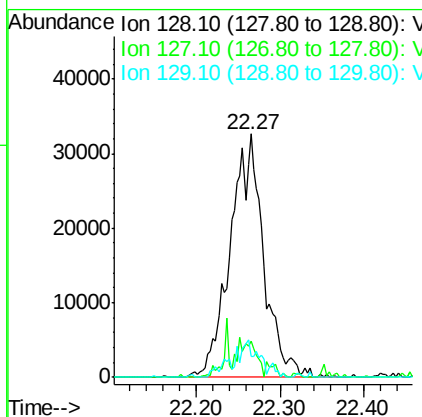
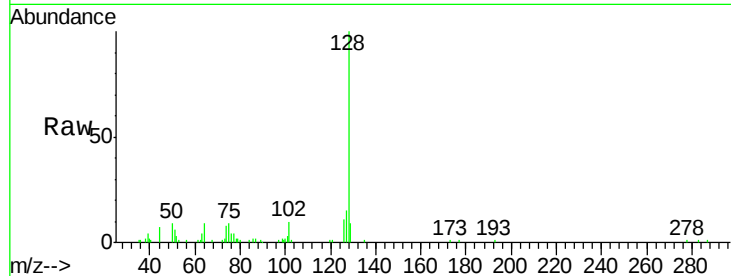
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	90668
Ion Ratio	Lower	Upper	
128	100		
127	14.7	11.1	16.7
129	8.8	8.7	13.1

Manual Integrations
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8/6/2020 12:48:56 PM



#80

Naphthalene, 2-methyl-

Concen: 0.060 ppbv

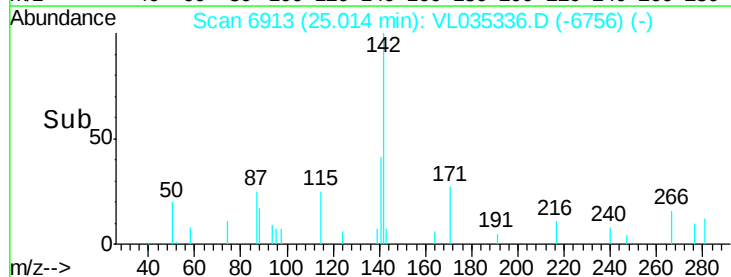
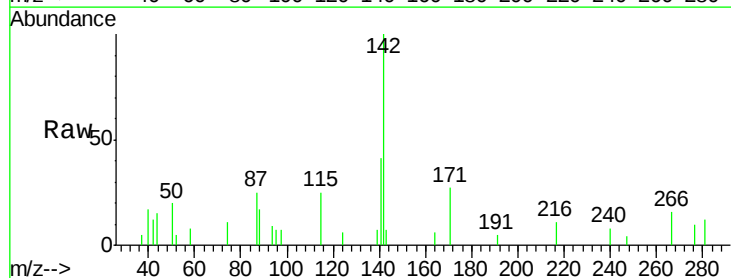
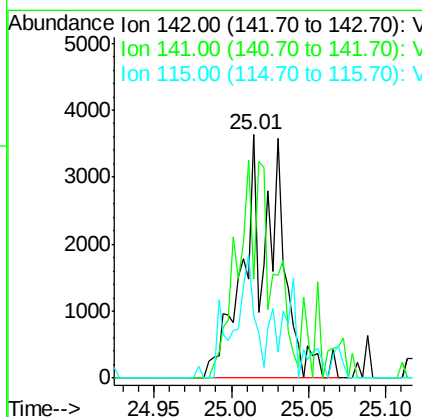
RT: 25.01 min Scan# 6913

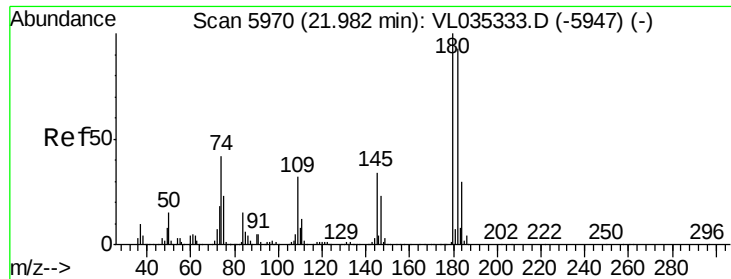
Delta R.T. 0.00 min

Lab File: VL035336.D

Acq: 5 Aug 2020 10:36

Tgt Ion:	142	Resp:	5507
Ion Ratio	Lower	Upper	
142	100		
141	103.1	69.0	103.6
115	39.1	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.376 ppbv m
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.01 min
 Lab File: VL035336.D
 Acq: 5 Aug 2020 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	0.0	77.2	115.8#
184	0.0	25.1	37.7#

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:56 PM

