

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051419\
 Data File : VL033698.D
 Acq On : 14 May 2019 19:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:21 AM

Quant Time: May 15 04:04:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	855341	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2089614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2393441	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1850250	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1722728	8.587	ppbv 100
3) Chlorodifluoromethane	3.01	51	1077817	8.726	ppbv 98
4) Chloromethane	3.17	50	650980	10.137	ppbv 100
5) Vinyl Chloride	3.29	62	654388	10.481	ppbv 98
6) Bromomethane	3.51	94	416683	10.505	ppbv 96
7) Chloroethane	3.60	64	239472	10.565	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1661073	10.059	ppbv 100
9) Propene	3.04	41	469258	9.965	ppbv 98
10) Heptane	8.25	43	1399869	12.045	ppbv 99
11) Trichlorofluoromethane	4.00	101	1859136	9.924	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1249547	9.922	ppbv 99
13) Ethanol	3.65	45	117269	8.296	ppbv 95
14) Bromoethene	3.79	108	500045	10.073	ppbv 100
15) Acetone	3.90	43	1144695	8.996	ppbv 99
16) 1,3-Butadiene	3.36	39	555792	10.184	ppbv 97
17) tert-Butyl alcohol	4.35	59	1067670	11.047	ppbv 99
18) 1,1-Dichloroethene	4.35	96	566554	10.420	ppbv 99
19) Isopropyl Alcohol	4.02	45	811104	10.375	ppbv 99
20) Methylene Chloride	4.41	84	472100	9.771	ppbv 97
21) Allyl Chloride	4.48	41	820377	10.651	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	602025	11.030	ppbv 98
23) Vinyl Acetate	5.15	43	1874588	11.337	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1298347	10.380	ppbv 99
25) Ethyl Acetate	5.77	43	2243502	10.837	ppbv 100
26) Hexane	5.78	57	985290	11.072	ppbv 99
27) Carbon Disulfide	4.62	76	1393596	11.449	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1696209	11.317	ppbv 100
29) Chloroform	5.85	83	1644040	10.275	ppbv 98
30) Cyclohexane	7.25	84	856923	11.466	ppbv 100
31) cis-1,2-Dichloroethene	5.64	61	998532	11.279	ppbv 99
32) 1,1,1-Trichloroethane	6.62	97	1705678	10.323	ppbv 99
34) 2-Butanone	5.33	43	1462730	10.931	ppbv 99
35) Carbon Tetrachloride	7.13	117	1857244	10.814	ppbv 99
36) Benzene	7.00	78	2100317	11.209	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1250295	9.563	ppbv 100
38) Trichloroethene	7.96	130	910391	13.245	ppbv 98
39) 1,2-Dichloropropane	7.73	63	840637	12.038	ppbv 98
40) 1,4-Dioxane	7.95	88	339993	12.182	ppbv 91
41) Tetrahydrofuran	6.15	42	825226	11.934	ppbv 100
42) Bromodichloromethane	7.92	83	1955978	11.587	ppbv 98
43) Methyl Methacrylate	8.13	69	894655	12.694	ppbv 99

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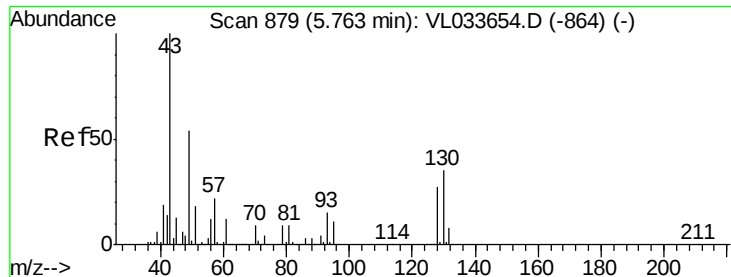
Manual Integrations
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 5/16/2019 5:41:21 AM

Quant Time: May 15 04:04:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3709148	11.577	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1207777	13.962	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1375476	12.740	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	924210	11.524	ppbv	97
48) Dibromochloromethane	10.45	129	1685791	12.400	ppbv	100
49) Bromoform	13.20	173	1462905	12.388	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2387663	11.784	ppbv	100
51) 2-Hexanone	10.27	43	1958023	12.474	ppbv #	99
52) Tetrachloroethene	11.37	164	845733	12.740	ppbv	96
53) Toluene	9.95	91	2593566	12.811	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1467952	12.152	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1128146	10.218	ppbv	98
57) Chlorobenzene	12.30	112	1993067	10.142	ppbv	100
58) Ethyl Benzene	12.86	91	3588440	11.497	ppbv	100
59) m/p-Xylene	13.15	91	5894639m	21.442	ppbv	
60) o-Xylene	13.85	91	2955261	10.622	ppbv	100
61) Styrene	13.68	104	2237482	12.077	ppbv	99
62) Isopropylbenzene	14.83	105	3958369	10.420	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1992041	9.838	ppbv	100
64) n-propylbenzene	15.72	120	1032765	10.520	ppbv	99
65) tert-Butylbenzene	16.90	119	3537473	10.151	ppbv	100
66) Benzyl Chloride	17.16	91	1964798	12.394	ppbv	100
67) sec-Butylbenzene	17.46	105	4963799	10.210	ppbv	100
69) p-Isopropyltoluene	17.81	119	4156367	10.375	ppbv	100
70) n-Butylbenzene	18.71	91	4332413	10.199	ppbv	100
71) 2-Chlorotoluene	15.61	91	2980834	10.621	ppbv	100
72) 4-Ethyltoluene	16.00	105	3487167	10.663	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3252137	10.285	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3431097	9.762	ppbv	93
75) 1,3-Dichlorobenzene	17.16	146	2010657	9.471	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2017058	10.012	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1914033	9.732	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1740771	11.168	ppbv	100
79) Naphthalene	22.41	128	3963864	12.352	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1925616	15.873	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	2036606	10.924	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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MSVOA_L

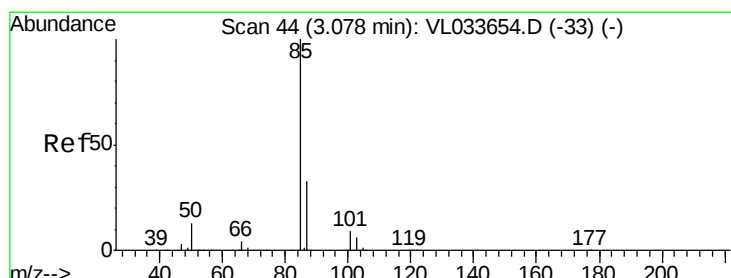
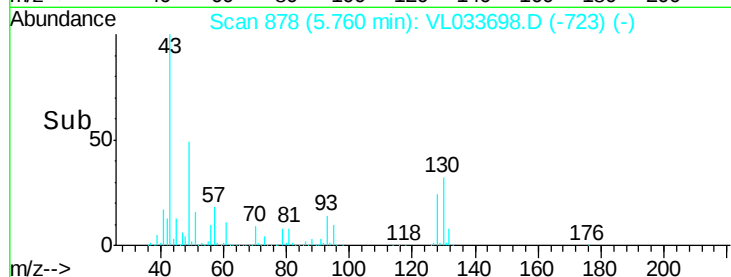
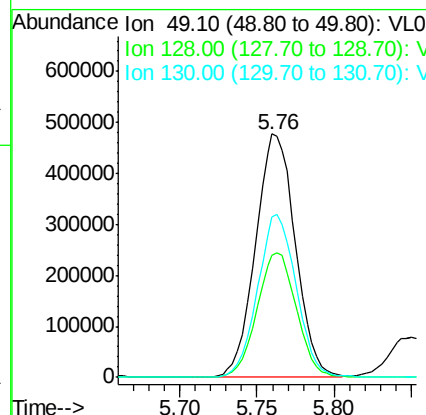
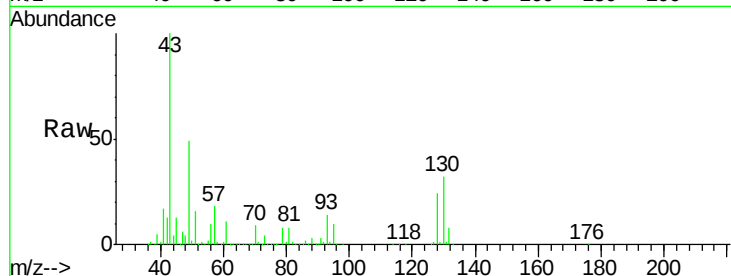
ClientSampleId :

VSTDCCC010EC

Tot Ion	49	Resp	855341
Ion	Ratio	Lower	Upper
49	100		
128	50.7	24.8	74.3
130	65.3	32.1	96.5

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#2

Dichlorodifluoromethane

Concen: 8.587 ppbv

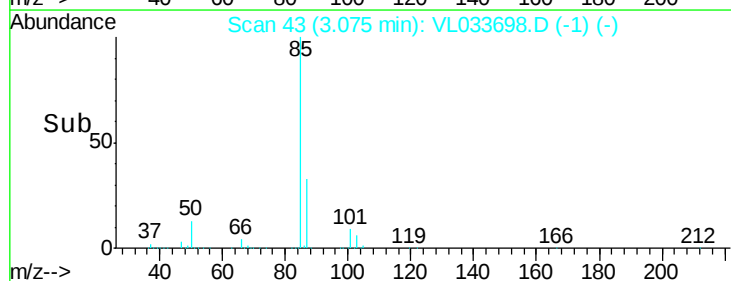
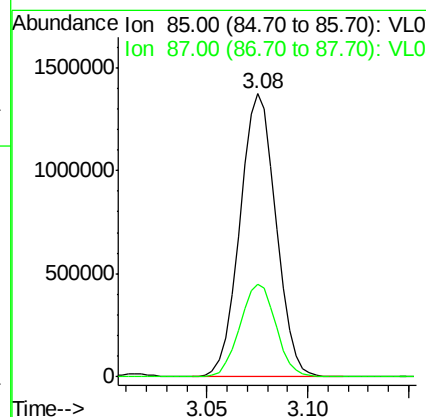
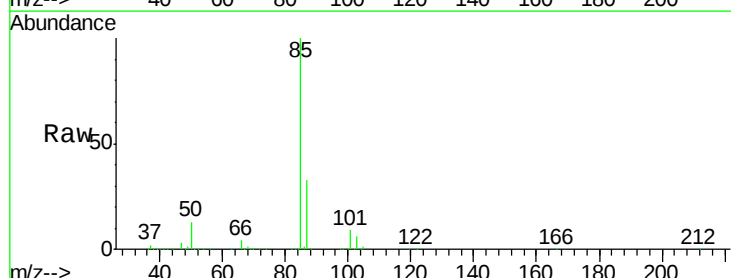
RT: 3.08 min Scan# 43

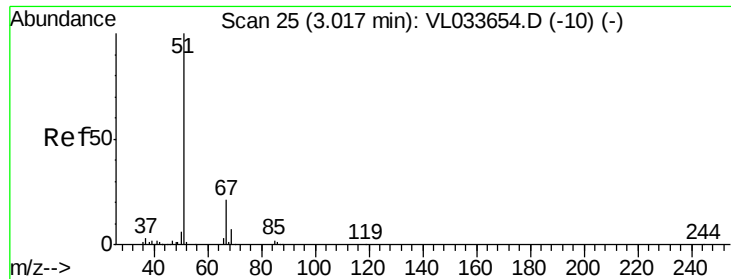
Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tgt Ion	85	Resp	1722728
Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.0	39.0





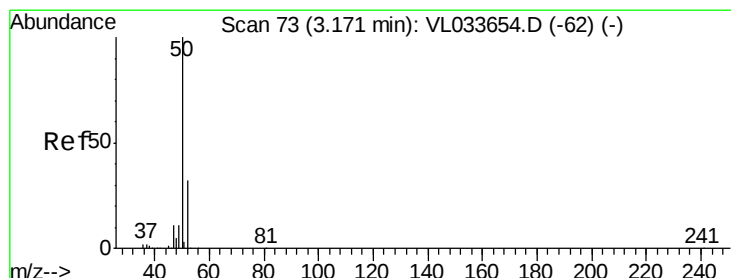
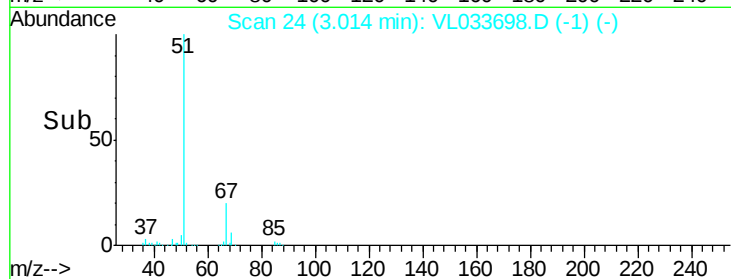
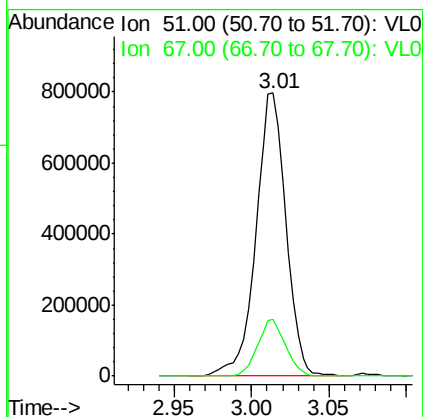
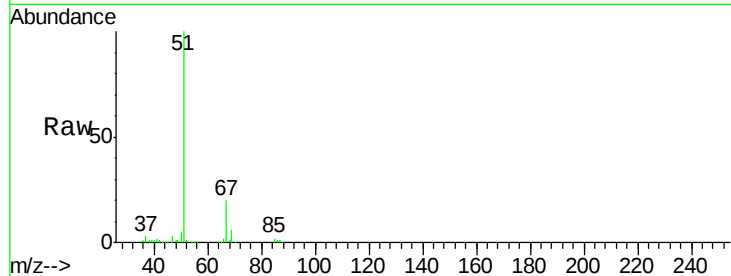
#3
Chlorodifluoromethane
Concen: 8.726 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1077817
Ion Ratio Lower Upper
51 100
67 18.8 15.7 23.5

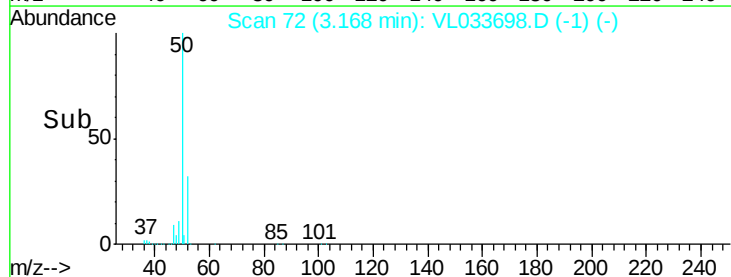
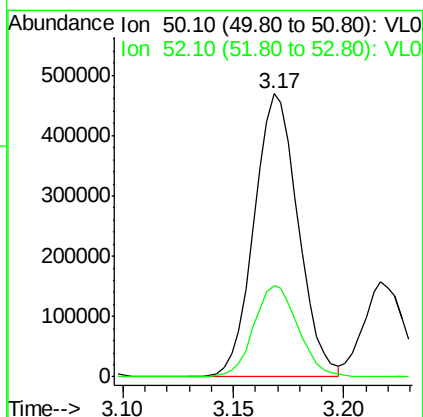
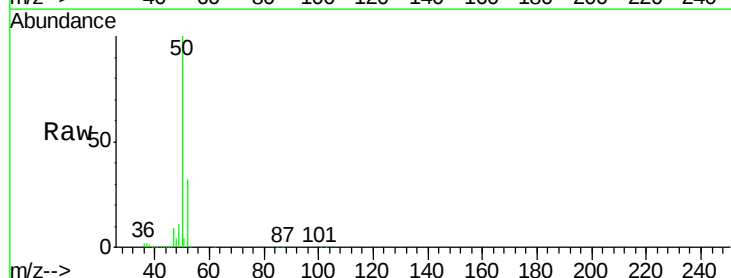
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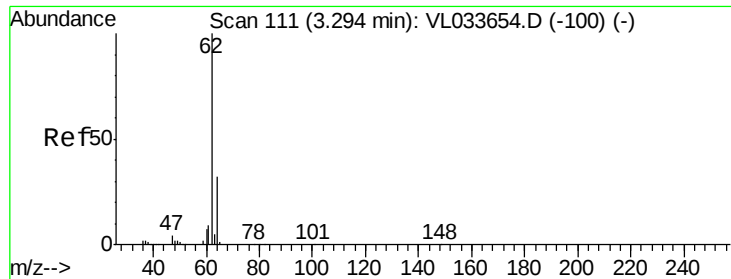
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#4
Chloromethane
Concen: 10.137 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 50 Resp: 650980
Ion Ratio Lower Upper
50 100
52 32.5 25.8 38.8





#5

Vinyl Chloride

Concen: 10.481 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 654388

Ion Ratio Lower Upper

62 100

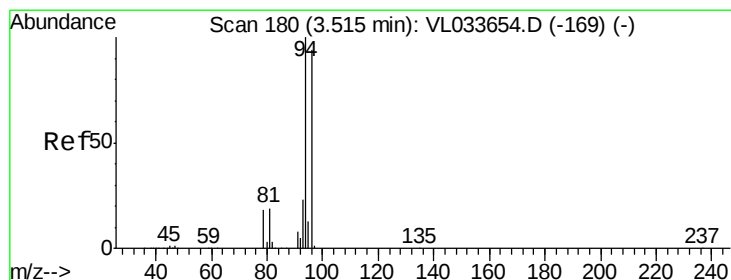
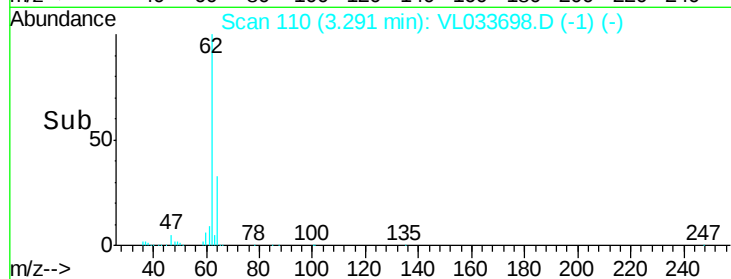
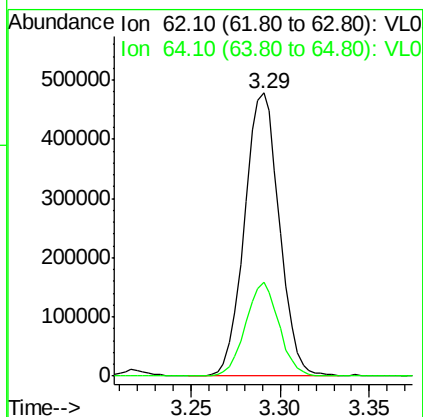
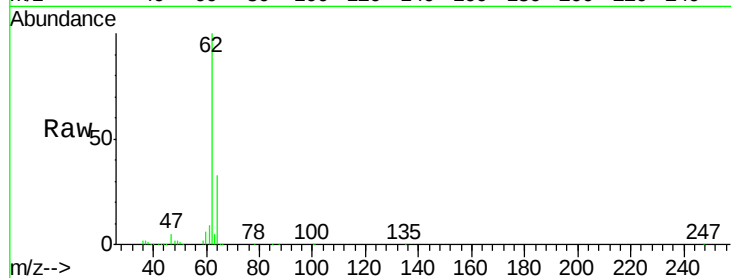
64 33.0 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 10.505 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033698.D

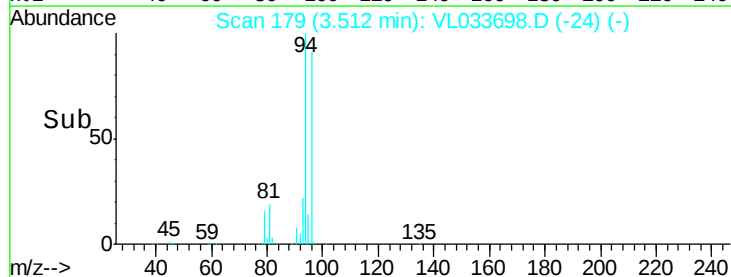
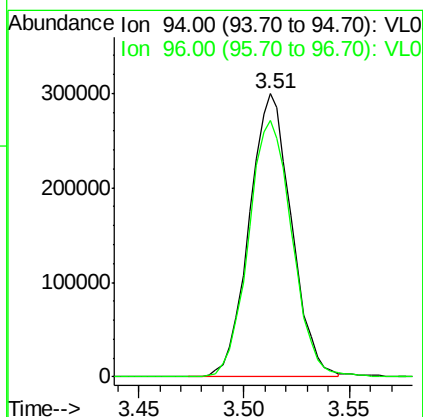
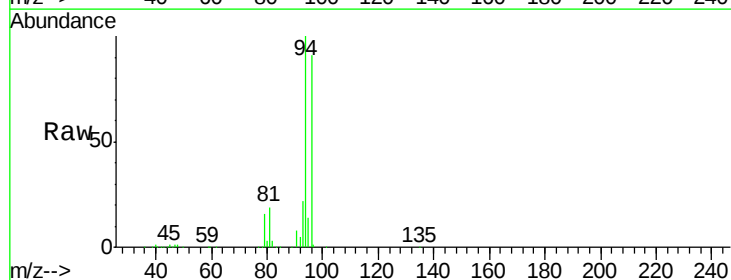
Acq: 14 May 2019 19:32

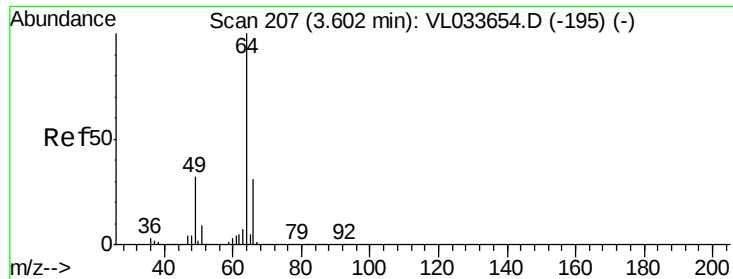
Tgt Ion: 94 Resp: 416683

Ion Ratio Lower Upper

94 100

96 90.6 75.2 112.8





#7

Chloroethane

Concen: 10.565 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 239472

Ion Ratio Lower Upper

64 100

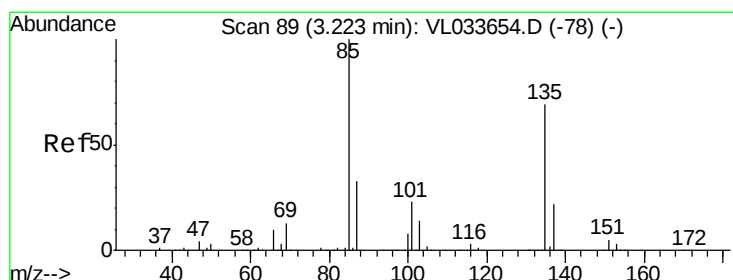
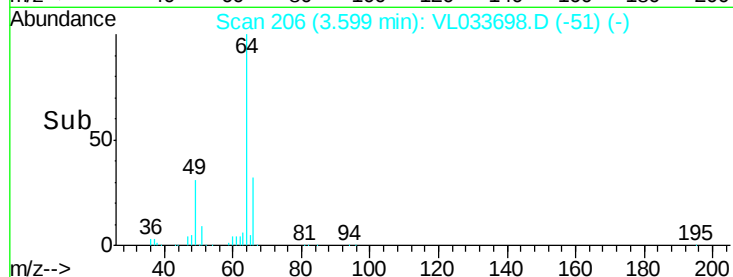
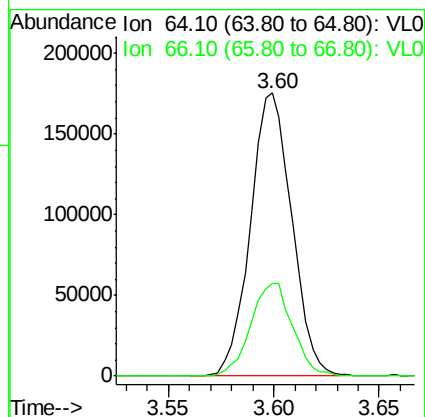
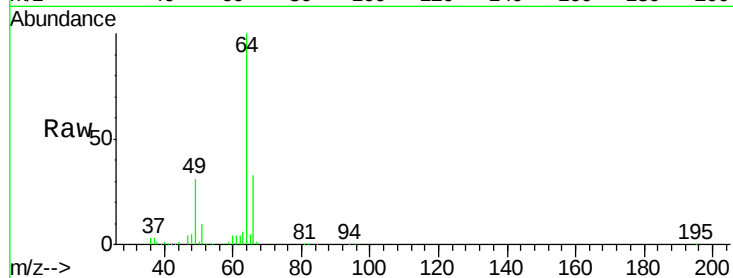
66 32.7 25.1 37.7

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#8

Dichlorotetrafluoroethane

Concen: 10.059 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033698.D

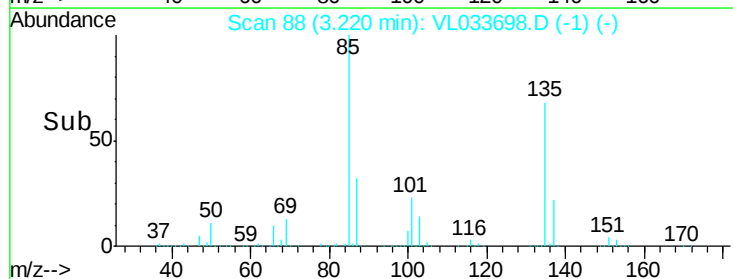
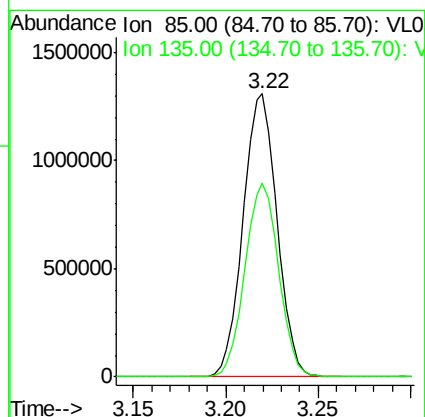
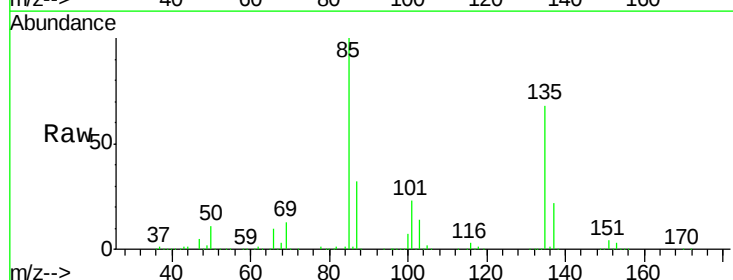
Acq: 14 May 2019 19:32

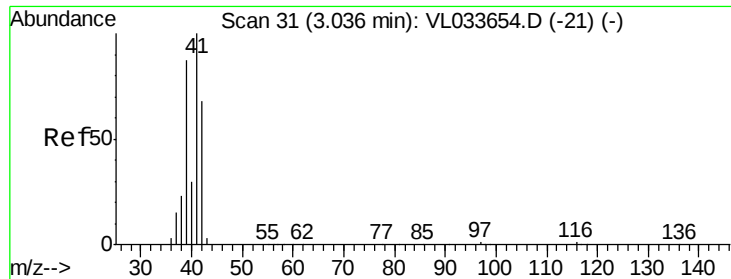
Tgt Ion: 85 Resp: 1661073

Ion Ratio Lower Upper

85 100

135 68.3 54.3 81.5





#9

Propene

Concen: 9.965 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 469258

Ion Ratio Lower Upper

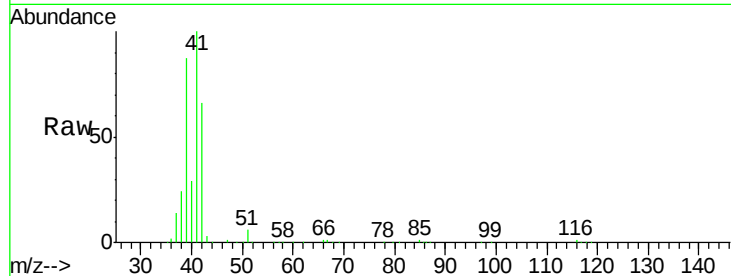
41 100

42 67.9 55.6 83.4

Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

400000

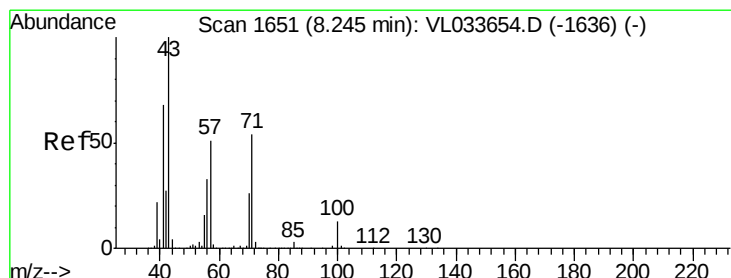
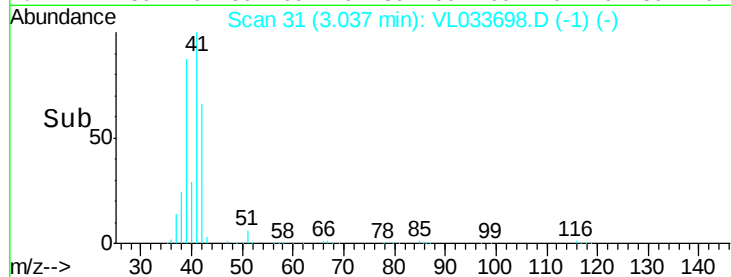
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 12.045 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033698.D

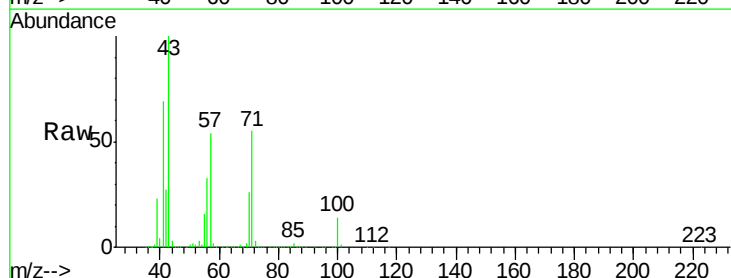
Acq: 14 May 2019 19:32

Tgt Ion: 43 Resp: 1399869

Ion Ratio Lower Upper

43 100

57 51.5 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.25

800000

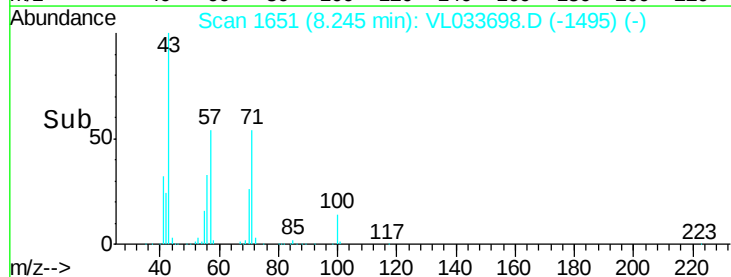
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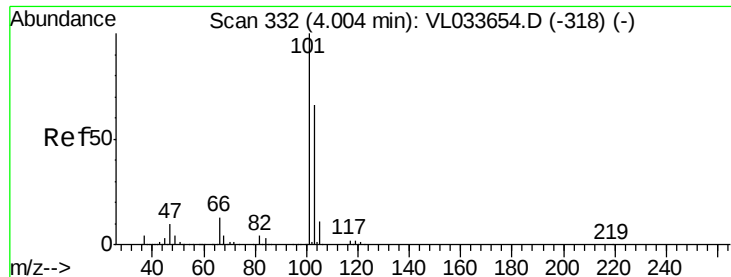
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.924 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1859136

Ion Ratio Lower Upper

101 100

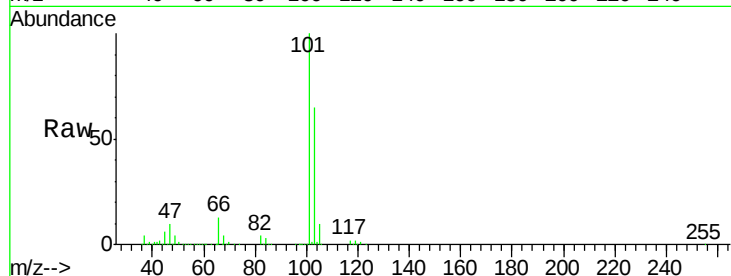
103 65.0 52.7 79.1

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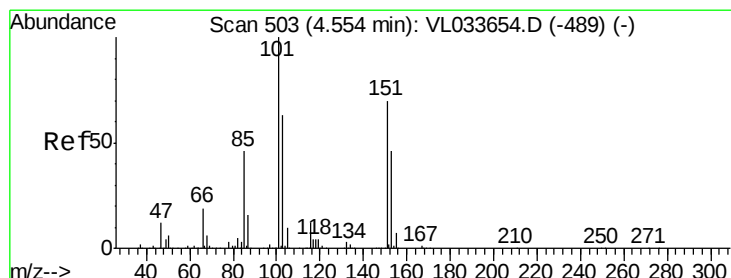
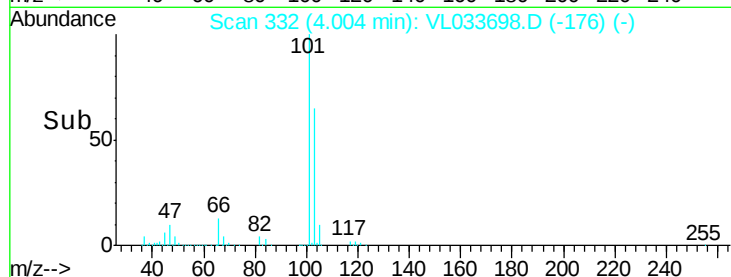
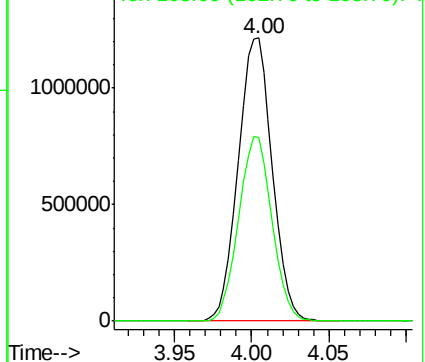
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.922 ppbv

RT: 4.55 min Scan# 501

Delta R.T. -0.01 min

Lab File: VL033698.D

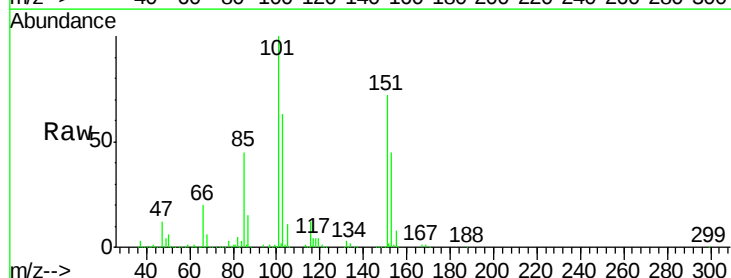
Acq: 14 May 2019 19:32

Tgt Ion:101 Resp: 1249547

Ion Ratio Lower Upper

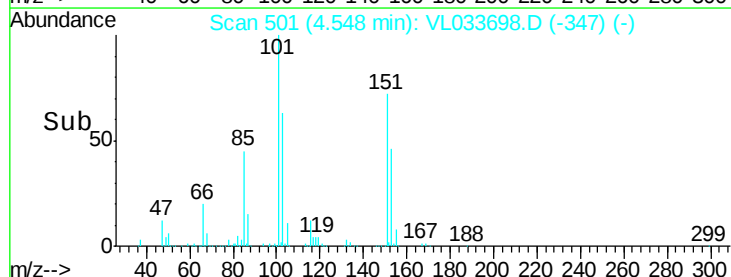
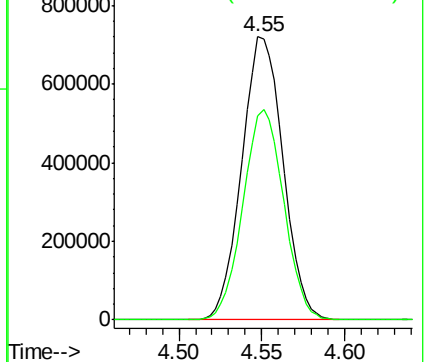
101 100

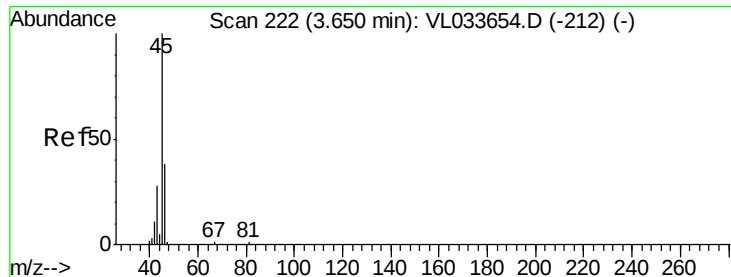
151 73.6 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





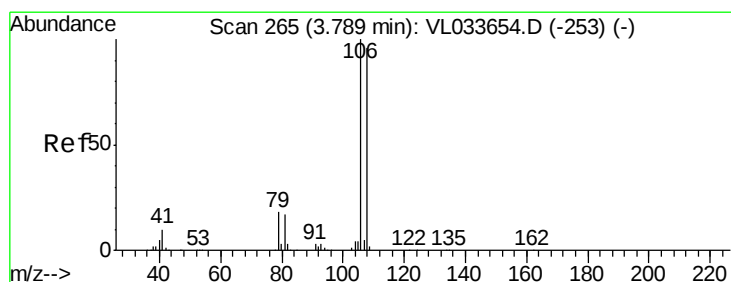
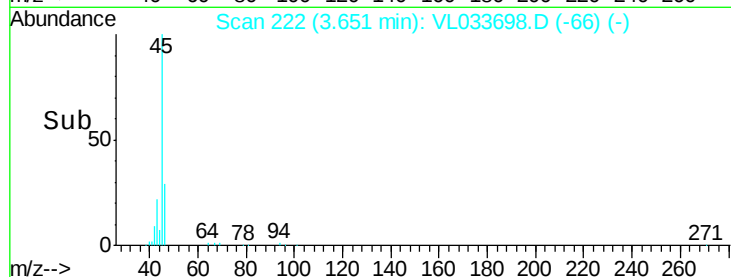
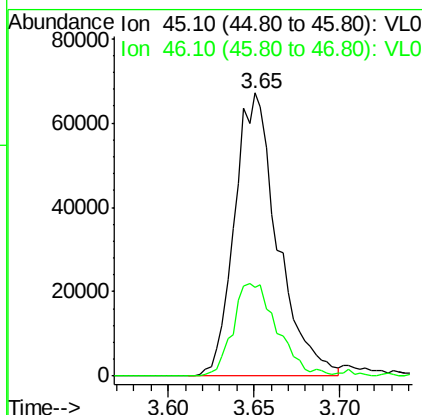
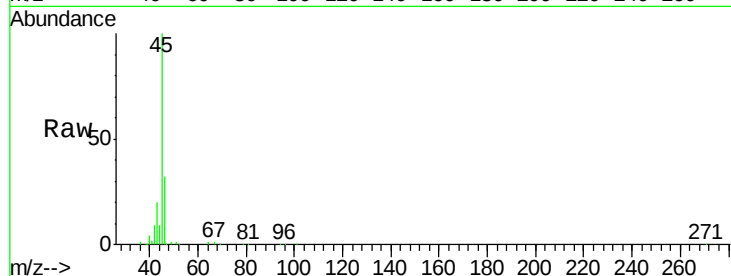
#13
Ethanol
Concen: 8.296 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	117269
Ion Ratio	100	Lower	Upper
46	34.4	14.9	59.7

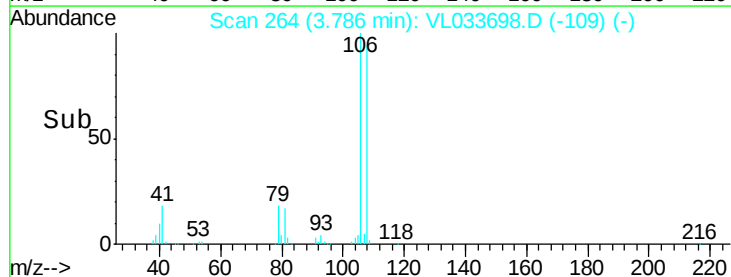
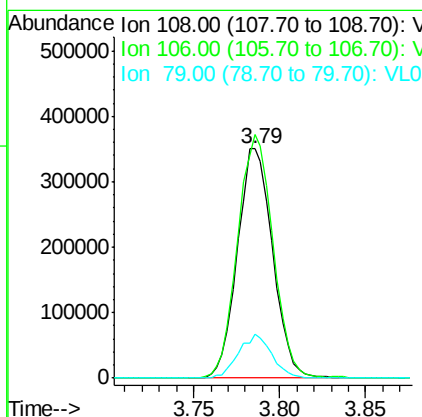
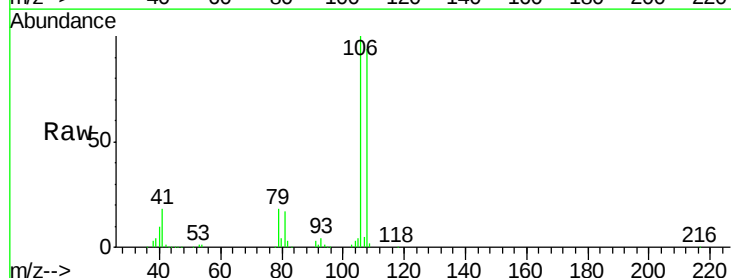
Manual Integrations
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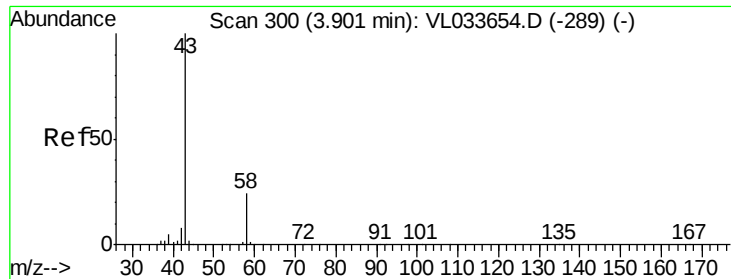
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#14
Bromoethene
Concen: 10.073 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	108	Resp	500045
Ion Ratio	100	Lower	Upper
106	106.8	85.7	128.5
79	18.5	15.2	22.8





#15

Acetone

Concen: 8.996 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1144695

Ion Ratio Lower Upper

43 100

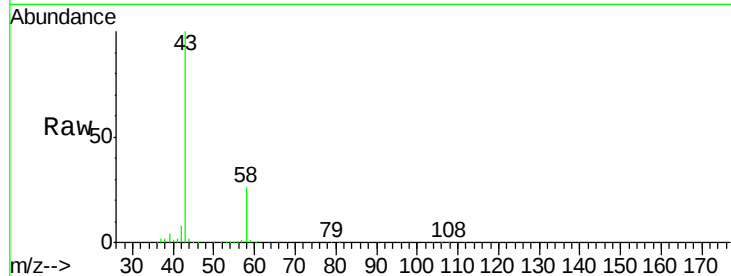
58 26.6 20.9 31.3

Manual Integrations

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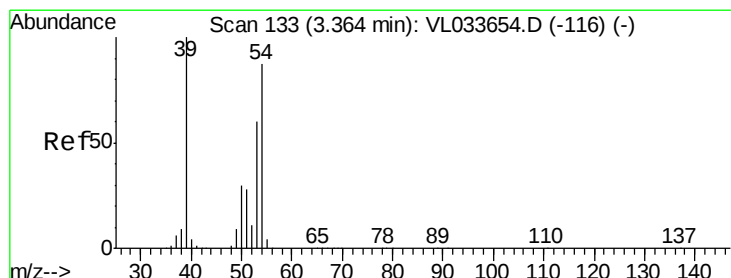
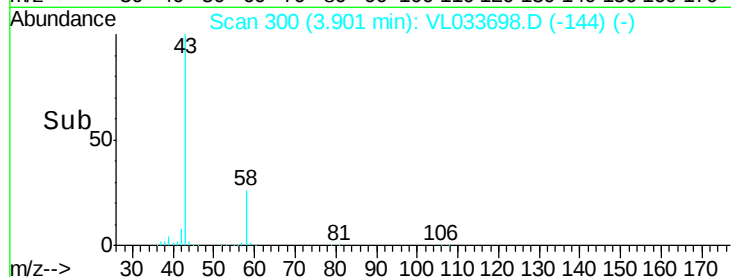
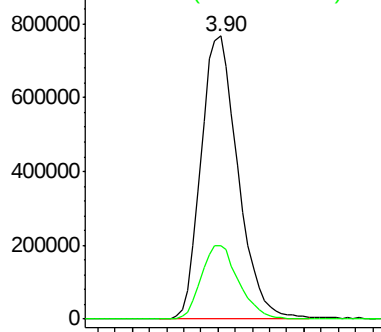
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.184 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033698.D

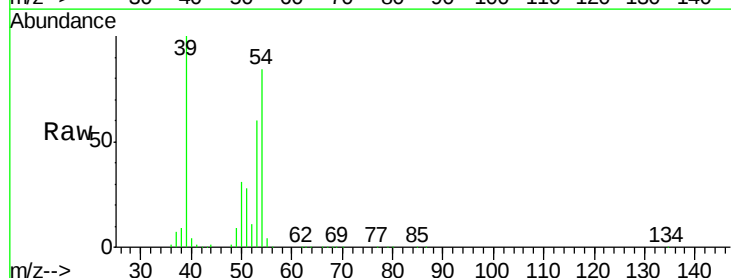
Acq: 14 May 2019 19:32

Tgt Ion: 39 Resp: 555792

Ion Ratio Lower Upper

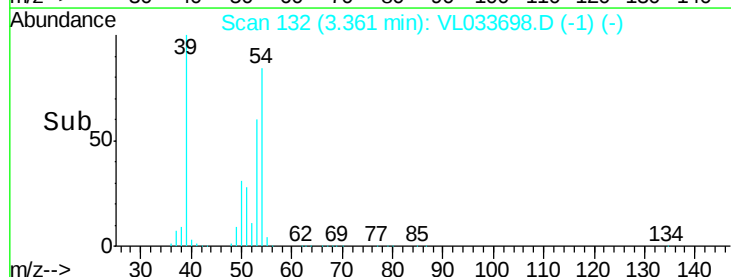
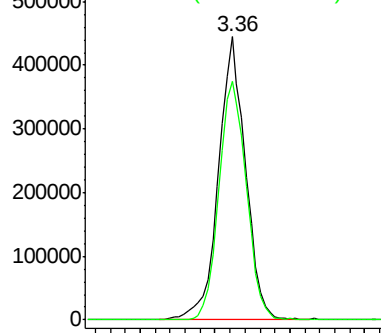
39 100

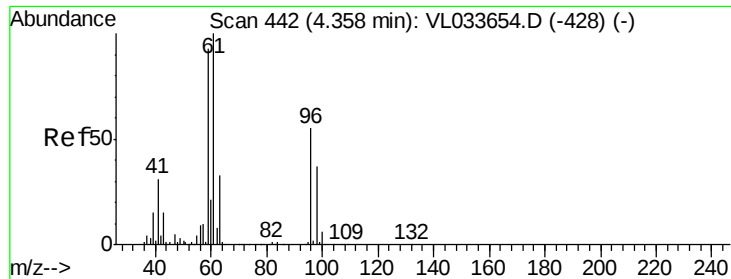
54 86.0 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





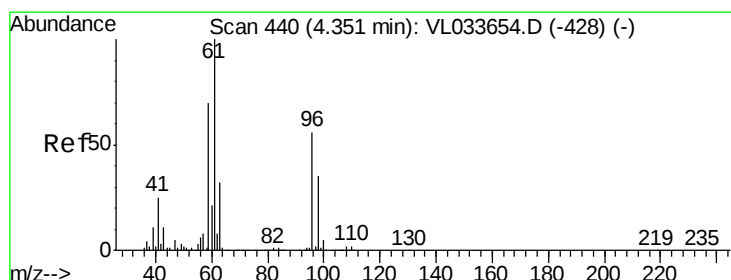
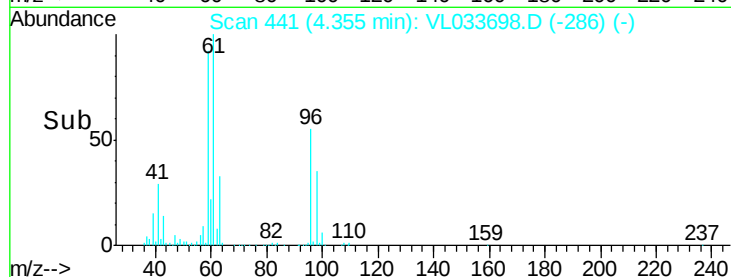
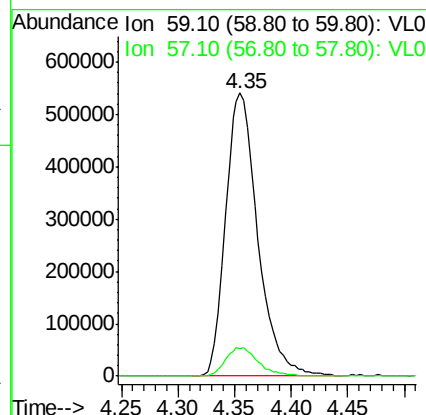
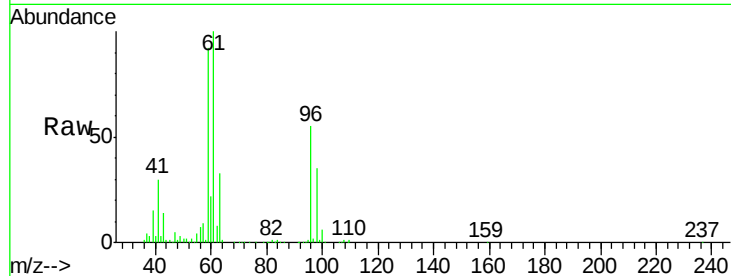
#17
 tert-Butyl alcohol
 Concen: 11.047 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1067670
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

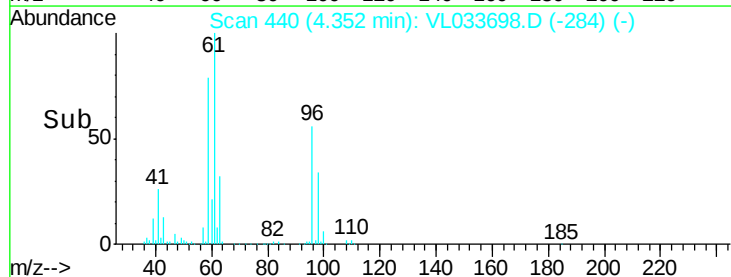
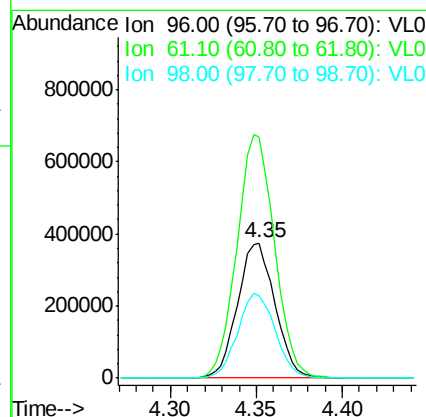
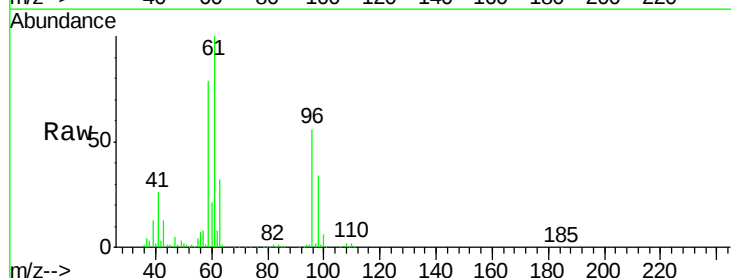
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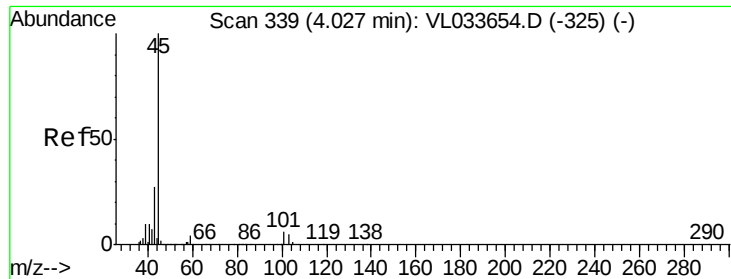
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#18
 1,1-Dichloroethene
 Concen: 10.420 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion: 96 Resp: 566554
 Ion Ratio Lower Upper
 96 100
 61 178.0 143.4 215.0
 98 61.2 50.4 75.6





#19

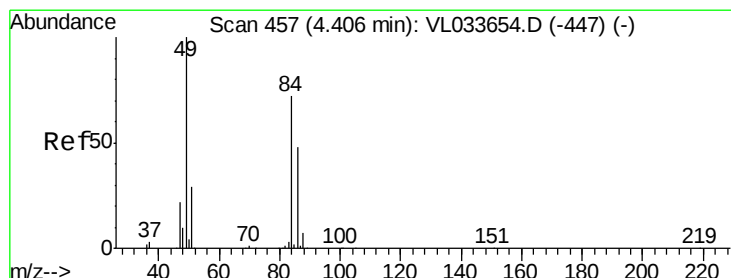
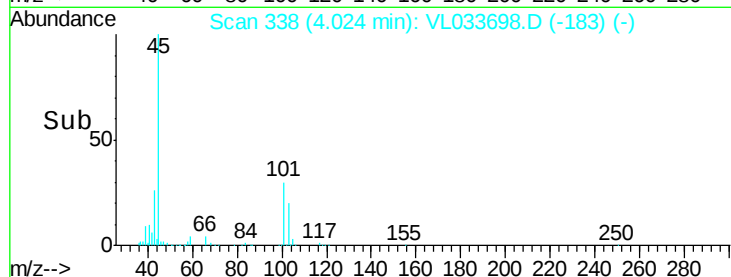
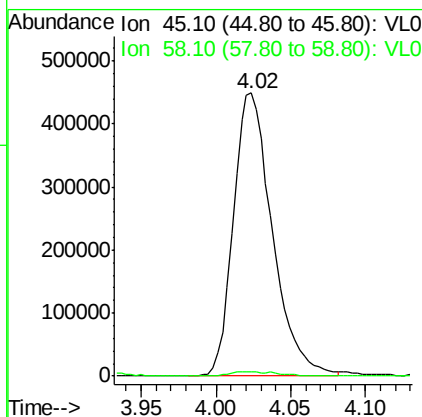
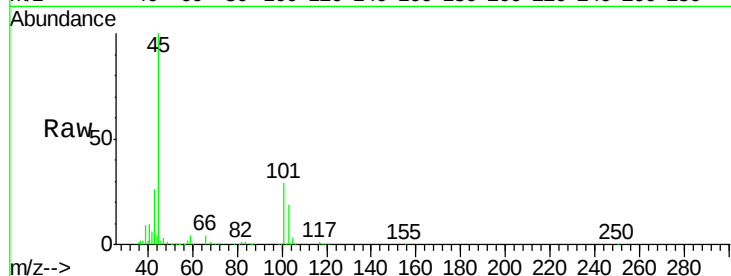
Isopropyl Alcohol
 Concen: 10.375 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	45	Resp	811104
Ion Ratio	100	Lower	Upper
45	100		
58	2.2	2.0	3.0

Manual Integrations
 APPROVED

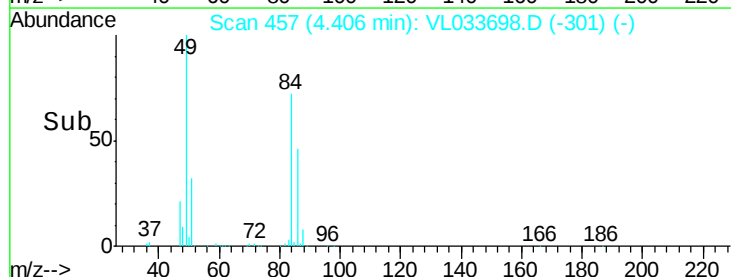
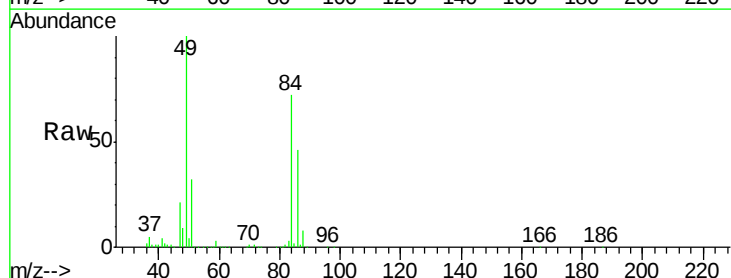
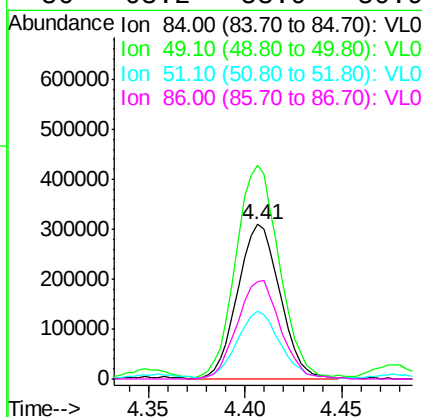
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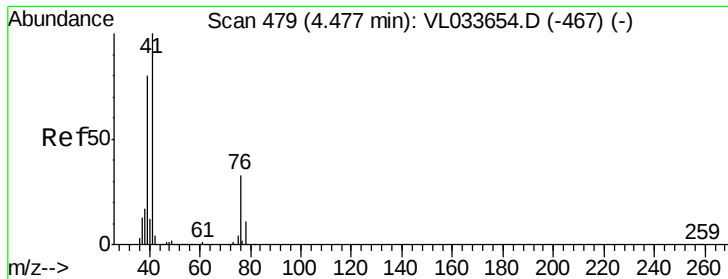


#20

Methylene Chloride
 Concen: 9.771 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion	84	Resp	472100
Ion Ratio	100	Lower	Upper
84	100		
49	137.4	111.8	167.6
51	42.9	32.3	48.5
86	63.2	53.9	80.9





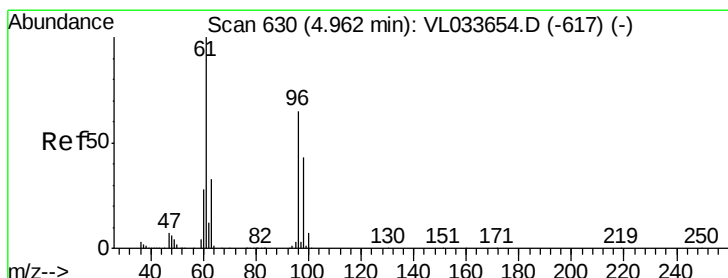
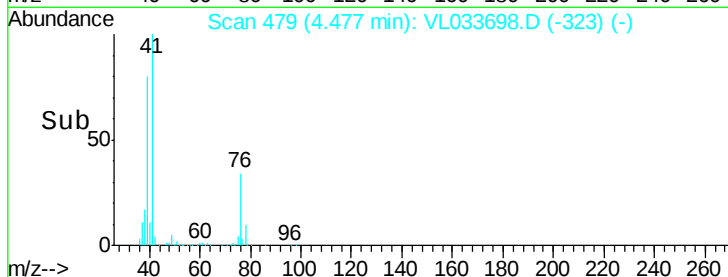
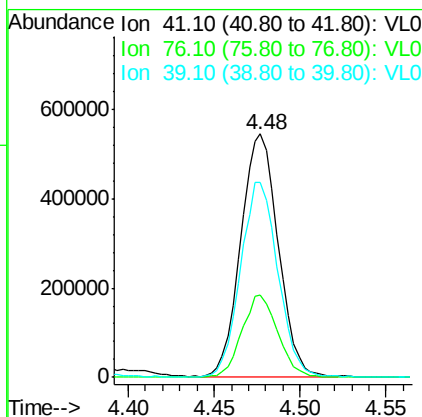
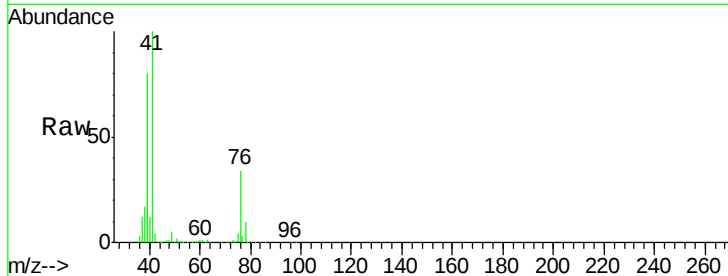
#21
Allvl Chloride
Concen: 10.651 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.8	26.0	39.0
39	80.8	64.4	96.6

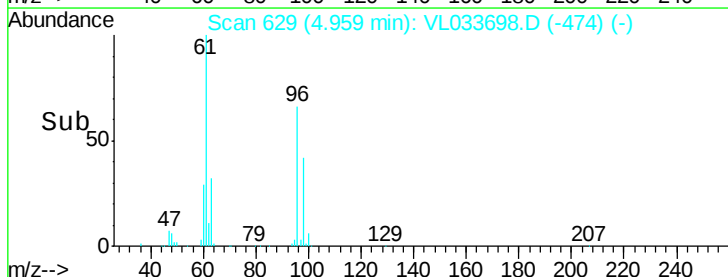
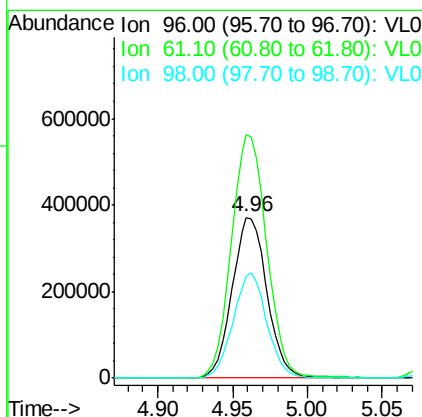
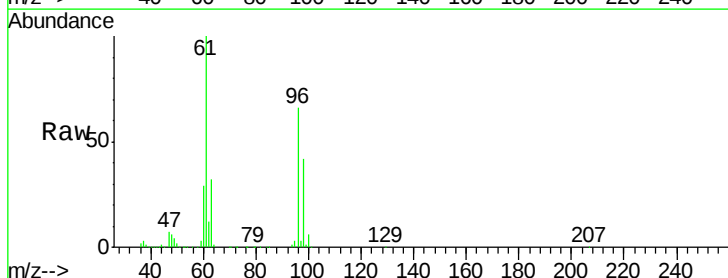
Manual Integrations
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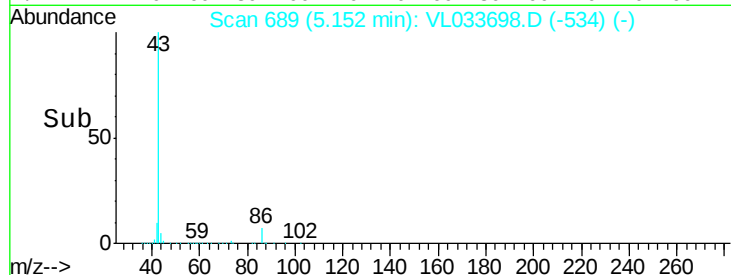
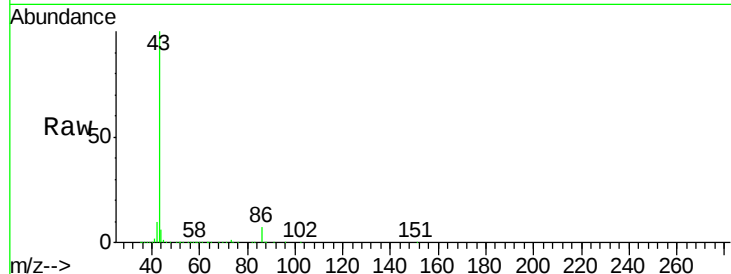
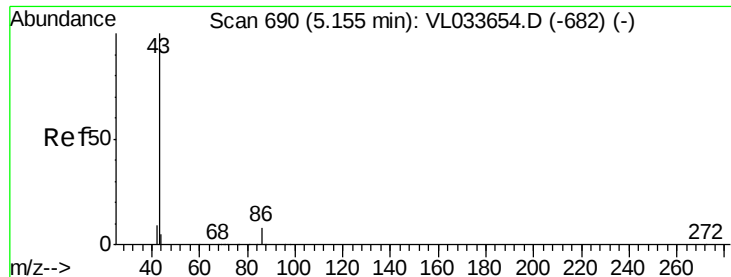
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5/16/2019 5:41:21 AM



#22
trans-1,2-Dichloroethene
Concen: 11.030 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.8	123.1	184.7
98	63.0	52.6	79.0





#23

Vinyl Acetate

Concen: 11.337 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tot Ion: 43 Resp: 1874588

Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

42 10.2 8.0 12.0

44 5.4 3.9 5.9

Instrument :

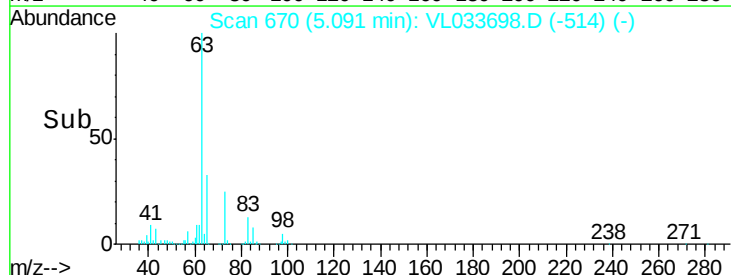
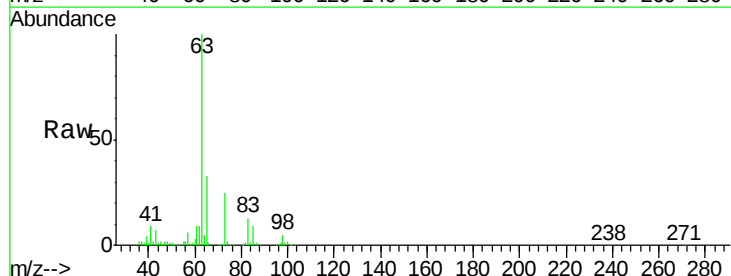
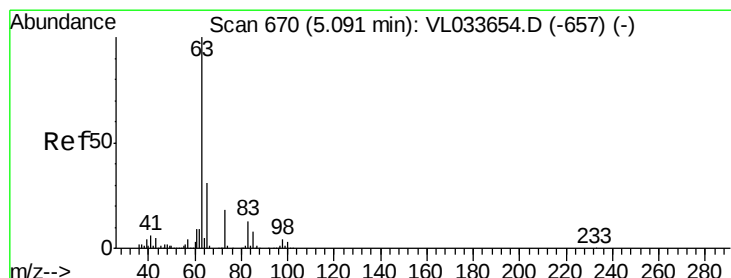
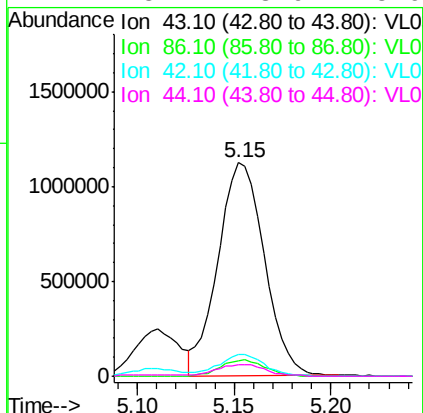
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 10.380 ppbv

RT: 5.09 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

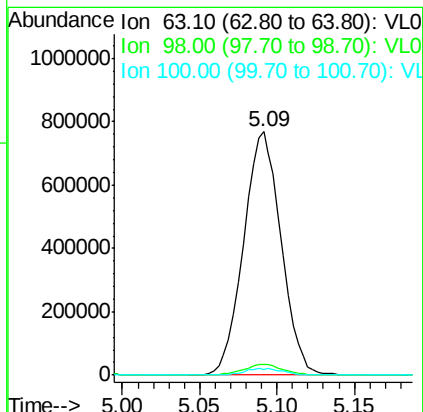
Tgt Ion: 63 Resp: 1298347

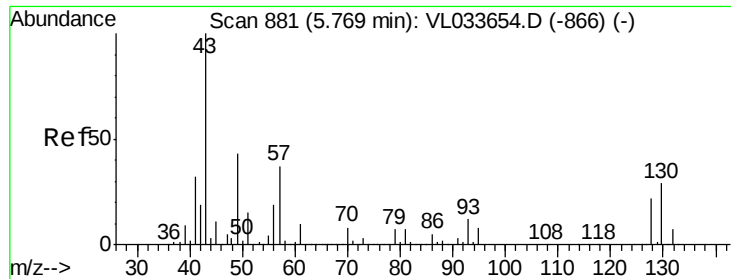
Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.2

100 2.4 1.5 4.4





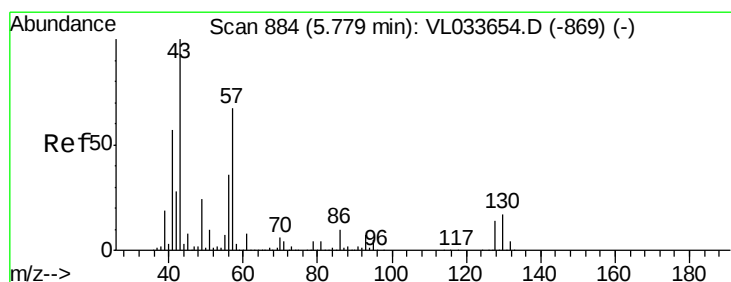
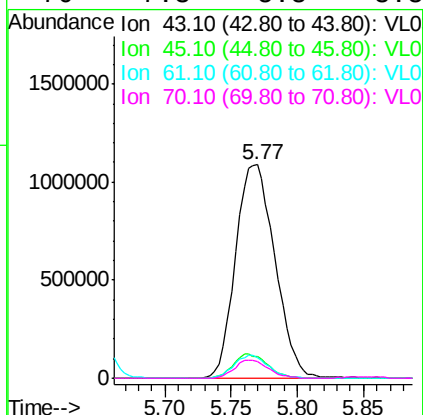
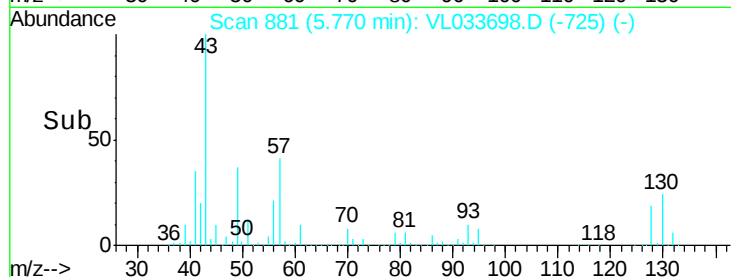
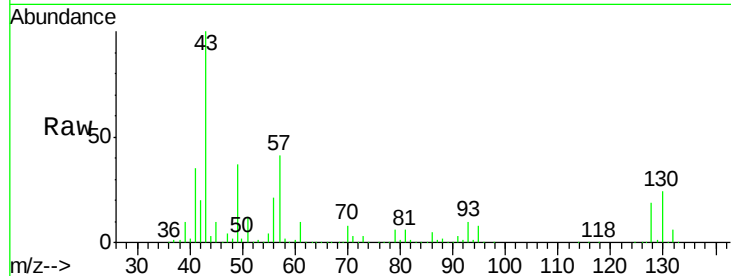
#25
Ethyl Acetate
Concen: 10.837 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	2243502
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.4	7.5	11.3
70	7.3	5.8	8.8

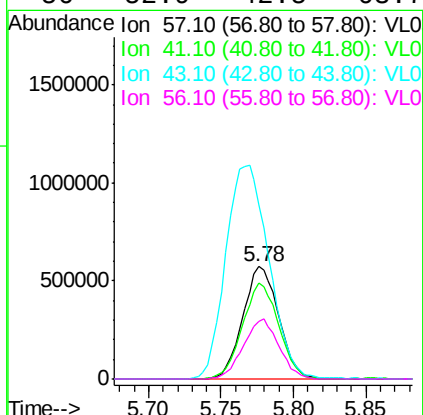
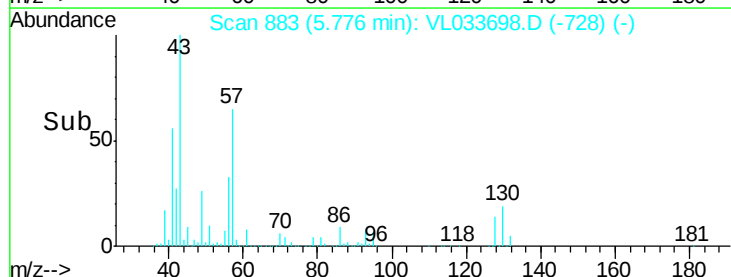
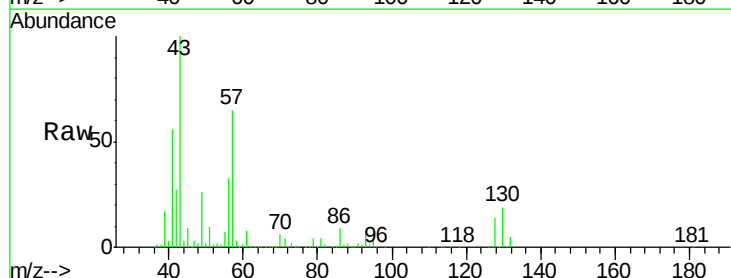
Manual Integrations
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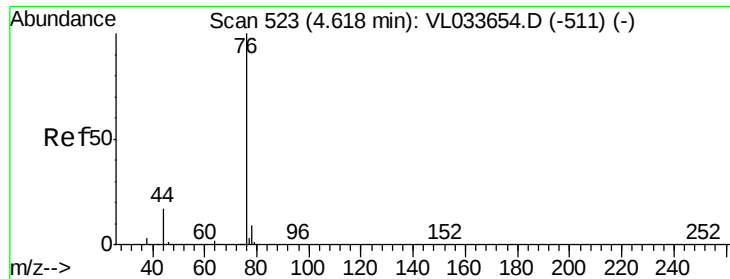
MMDadoda
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#26
Hexane
Concen: 11.072 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion:	57	Resp:	985290
Ion	Ratio	Lower	Upper
57	100		
41	86.7	69.7	104.5
43	228.7	181.9	272.9
56	52.9	42.5	63.7





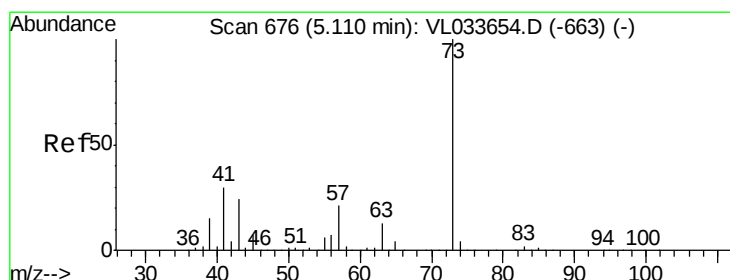
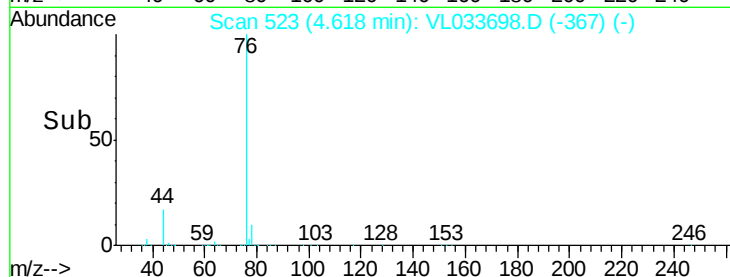
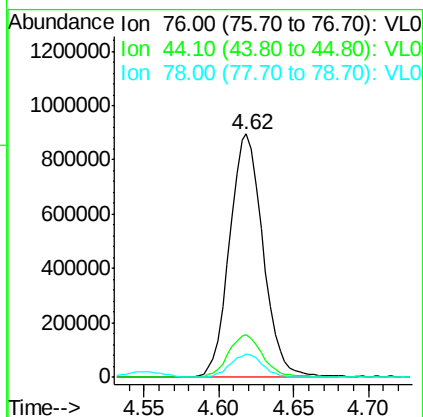
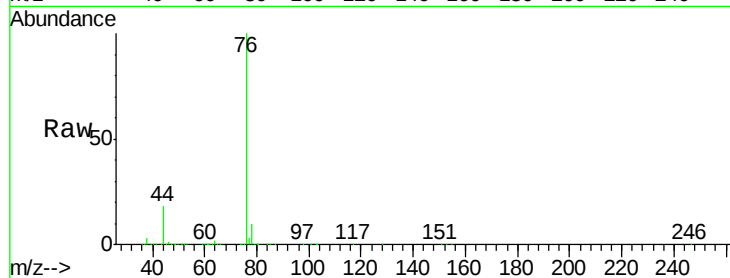
#27
Carbon Disulfide
Concen: 11.449 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.5	14.4	21.6
78	9.4	7.4	11.2

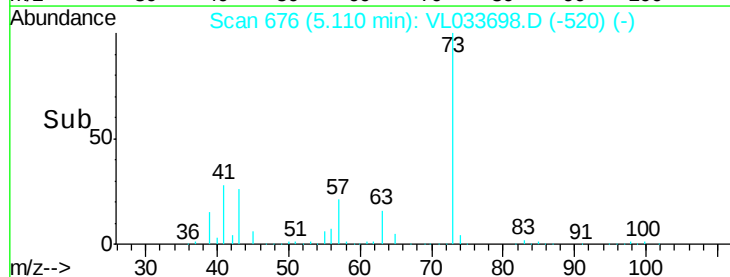
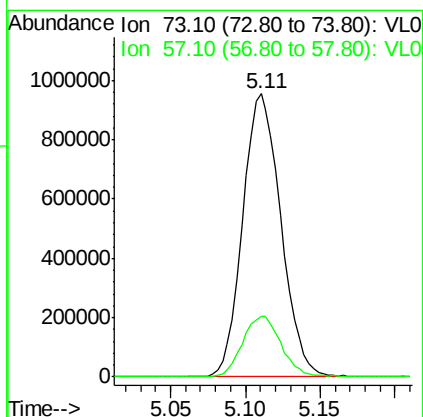
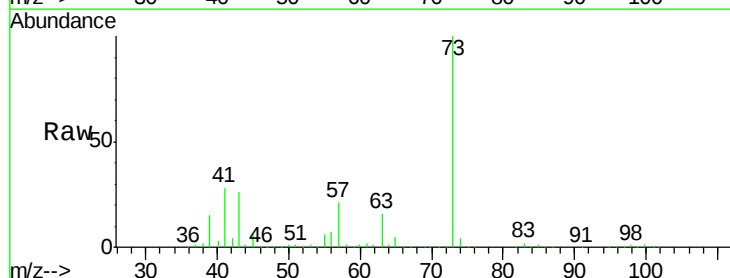
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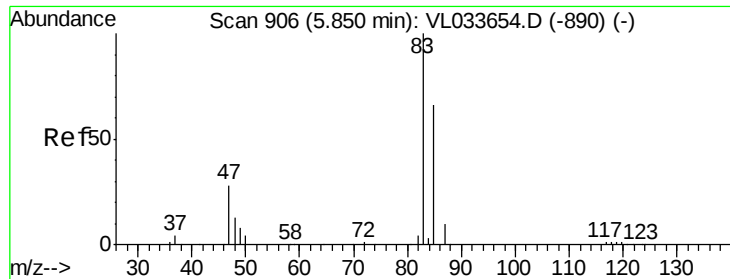
MMDadoda
5/16/2019 5:41:21 AM



#28
Methyl tert-Butyl Ether
Concen: 11.317 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0





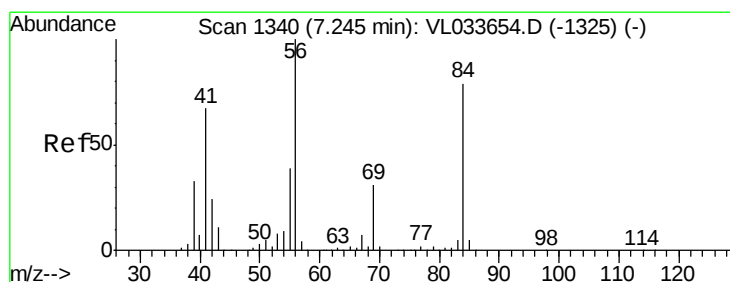
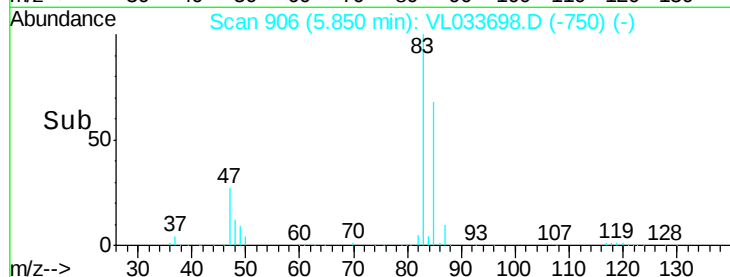
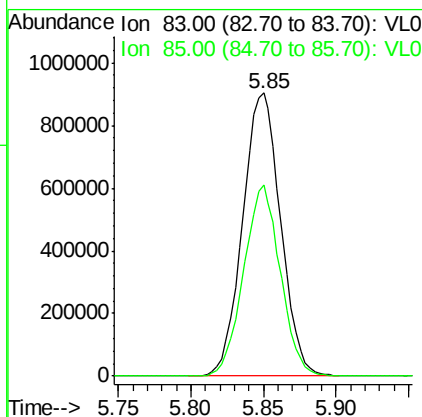
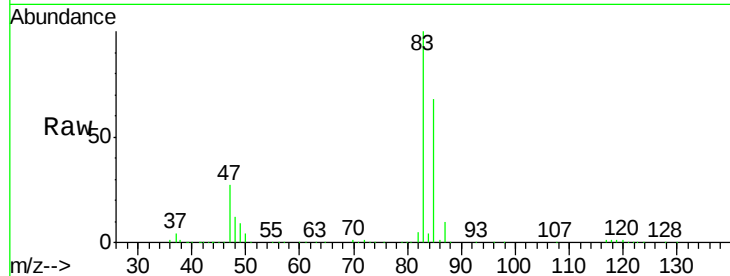
#29
Chloroform
Concen: 10.275 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1644040
Ion Ratio Lower Upper
83 100
85 67.6 52.6 78.8

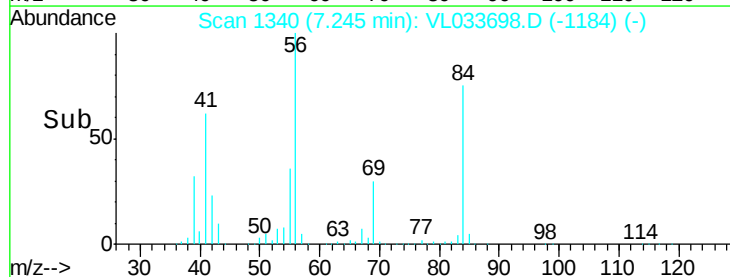
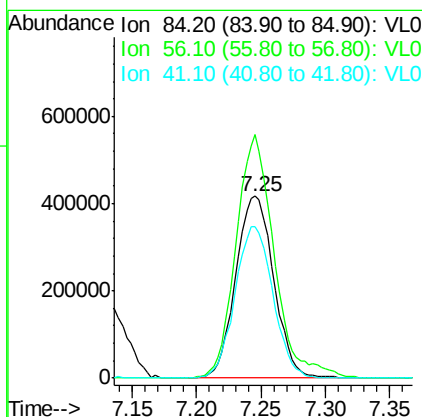
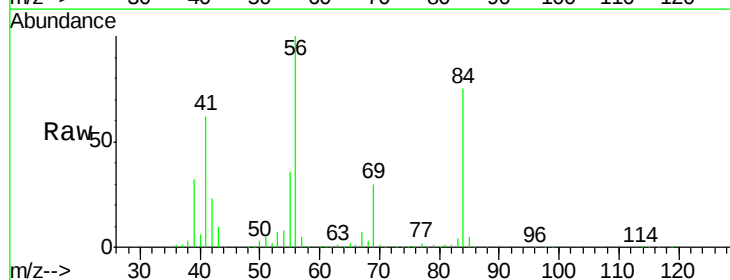
Manual Integrations
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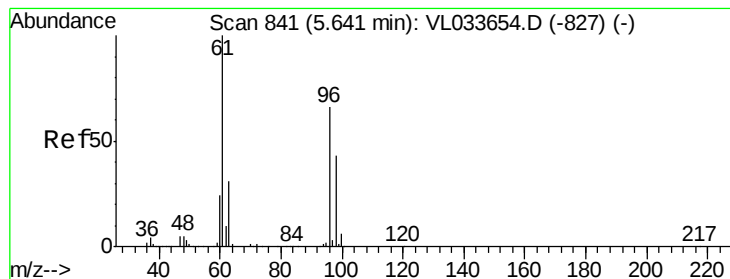
MMDadoda
5/16/2019 5:41:21 AM



#30
Cyclohexane
Concen: 11.466 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 84 Resp: 856923
Ion Ratio Lower Upper
84 100
56 134.4 107.0 160.4
41 83.2 66.6 99.8





#31

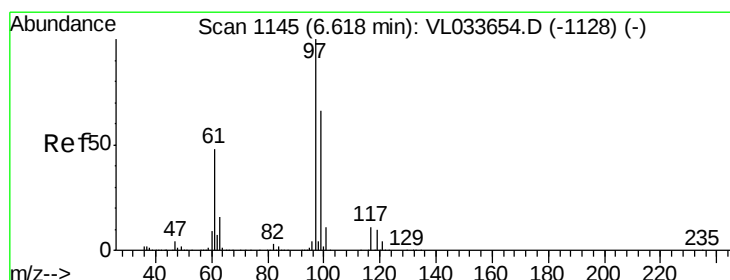
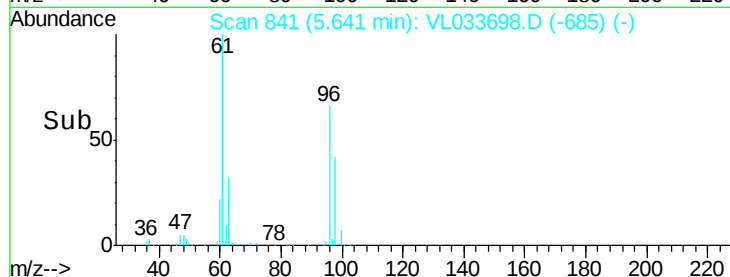
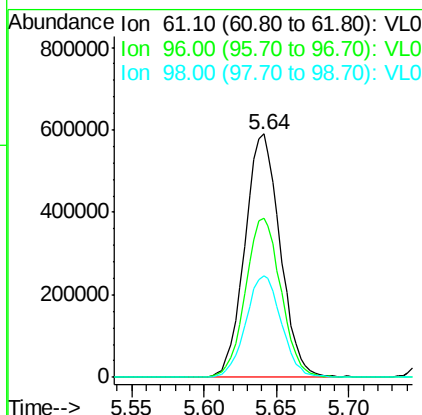
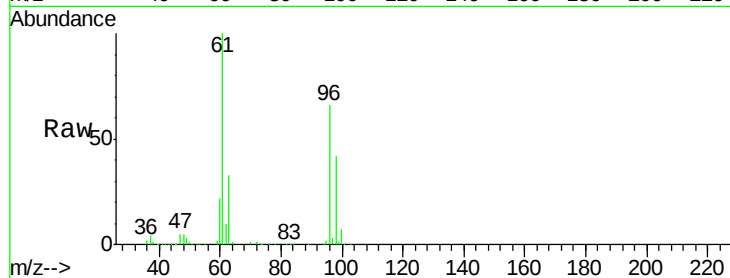
cis-1,2-Dichloroethene
Concen: 11.279 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.6	53.2	79.8
98	41.6	34.2	51.4

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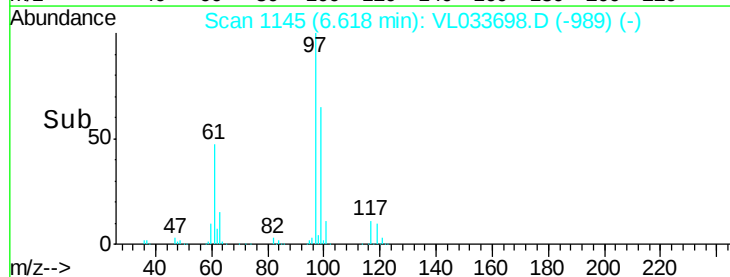
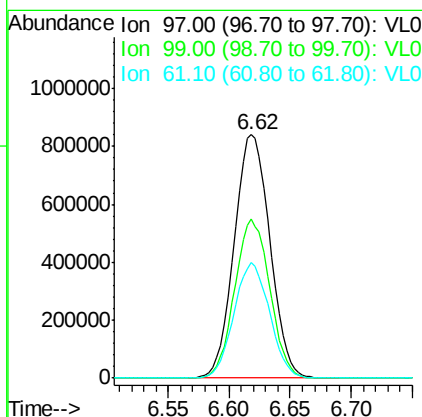
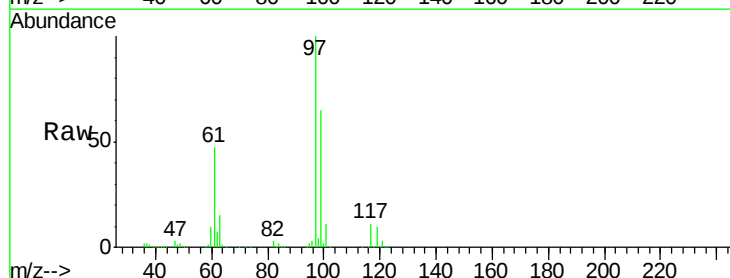
MMDadoda
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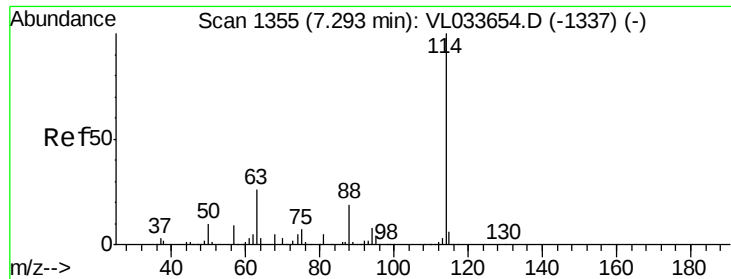


#32

1,1,1-Trichloroethane
Concen: 10.323 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	47.3	38.5	57.7





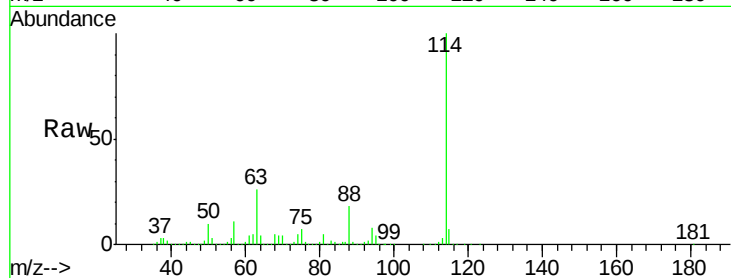
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

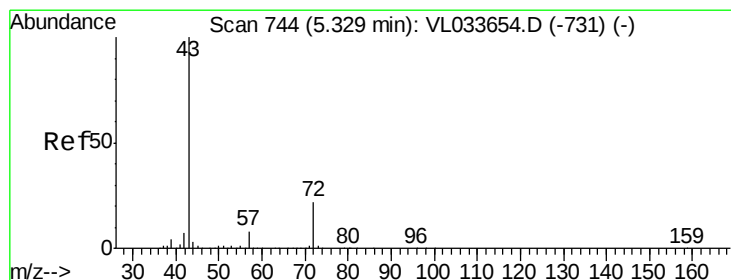
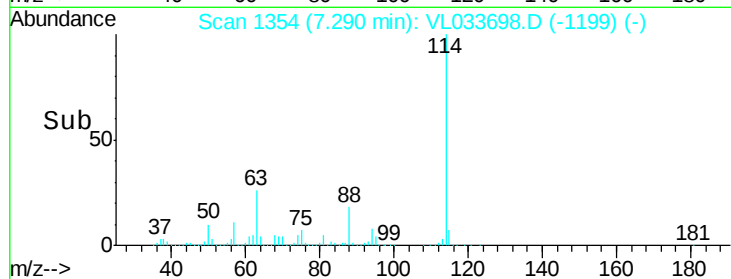
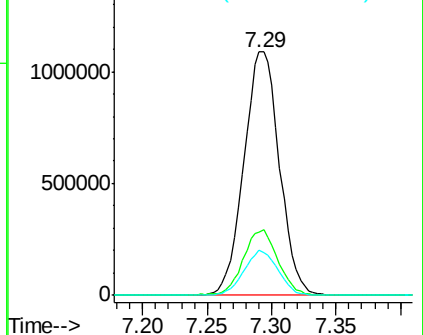
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.3	31.9
88	17.8	14.4	21.6

Manual Integrations
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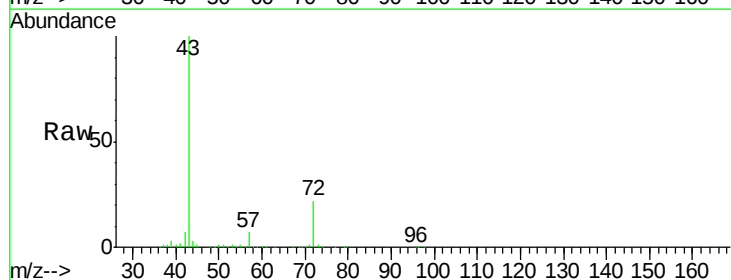


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

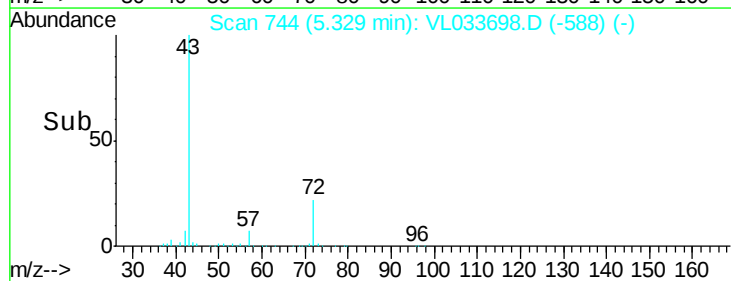
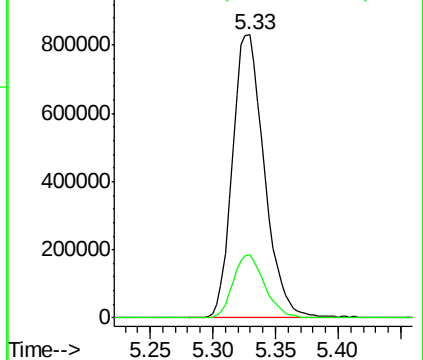


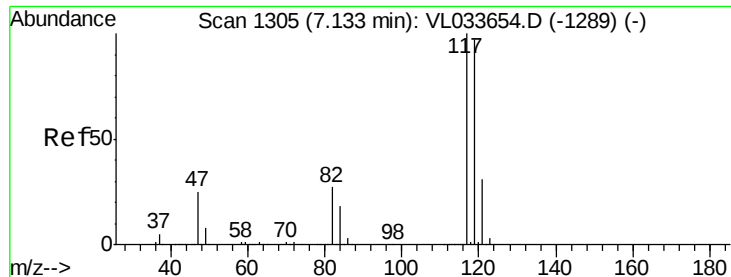
#34
 2-Butanone
 Concen: 10.931 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.5	26.3



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





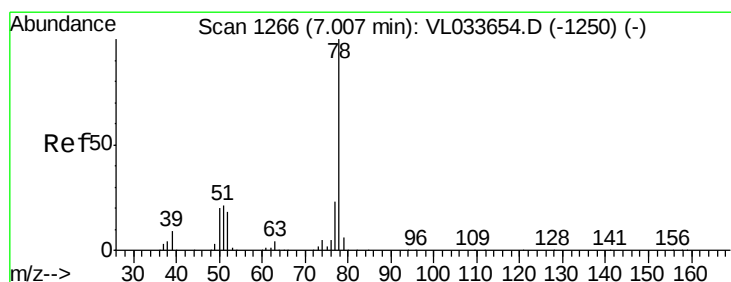
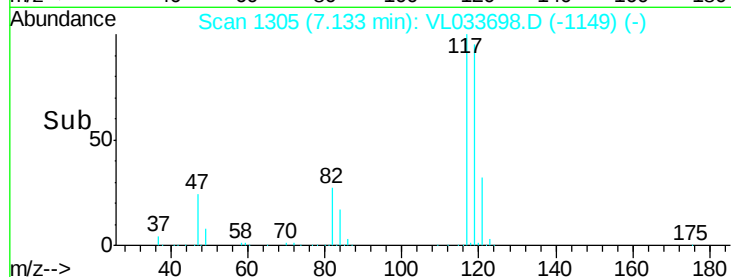
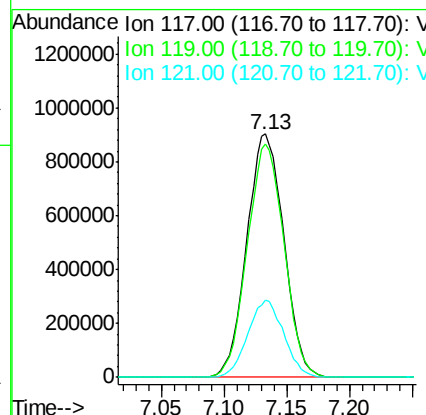
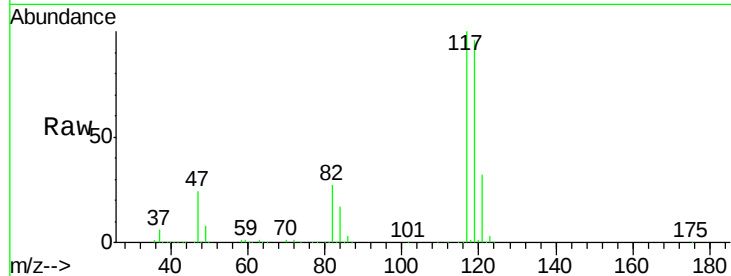
#35
Carbon Tetrachloride
Concen: 10.814 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 1857244
Ion Ratio Lower Upper
117 100
119 95.8 77.9 116.9
121 31.9 25.0 37.6

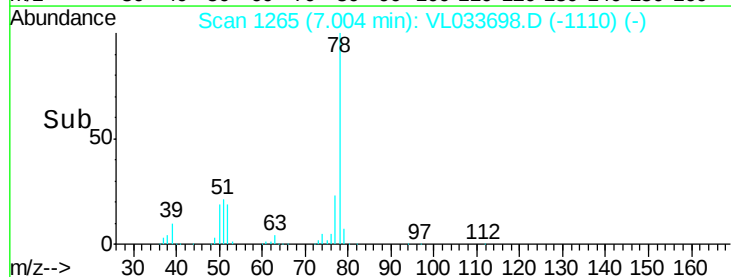
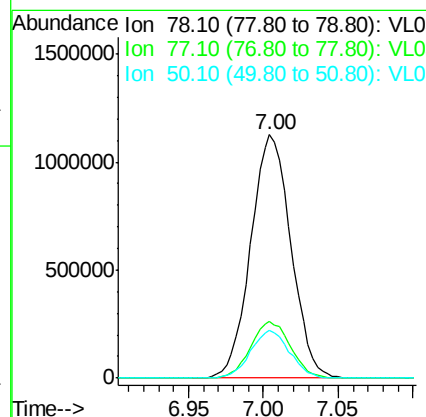
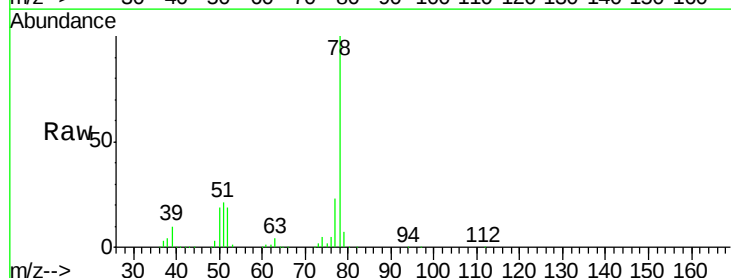
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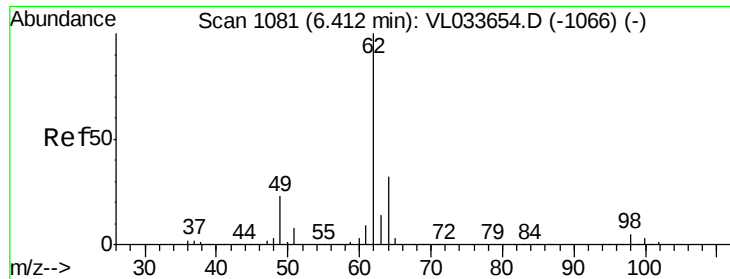
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#36
Benzene
Concen: 11.209 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 78 Resp: 2100317
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2
50 19.4 15.8 23.6





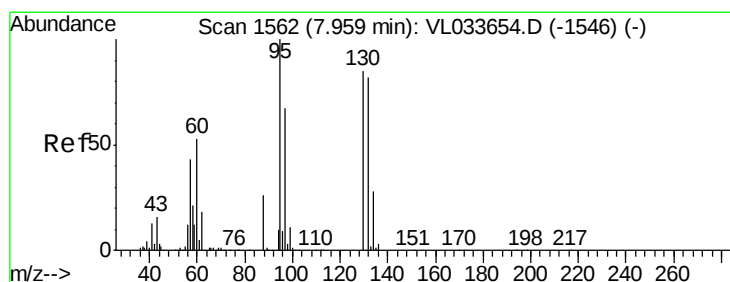
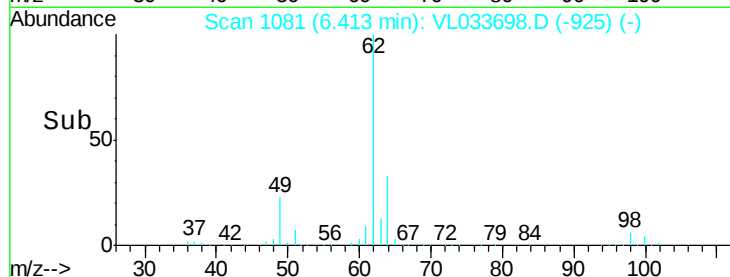
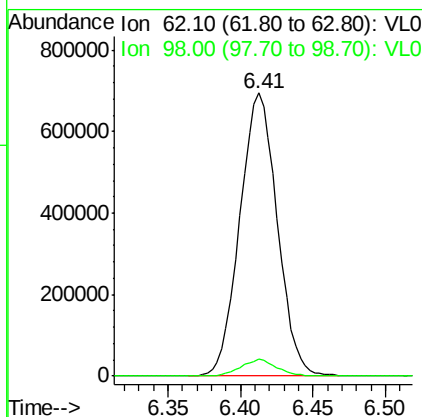
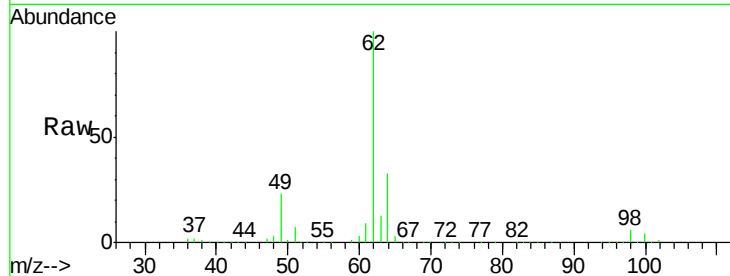
#37
 1,2-Dichloroethane
 Concen: 9.563 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1250295
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

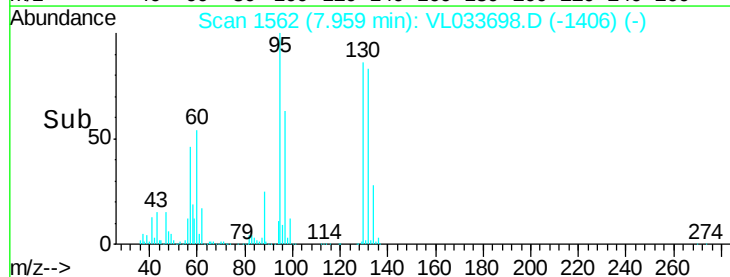
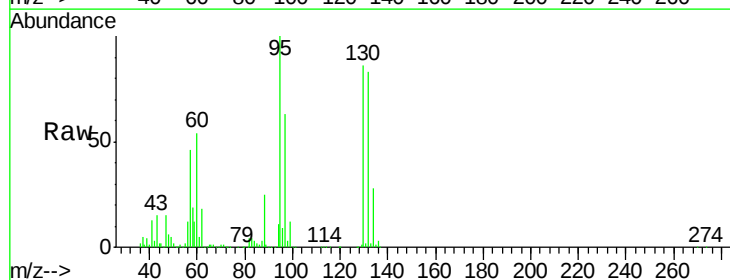
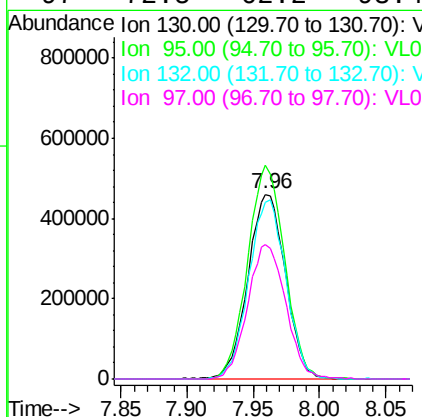
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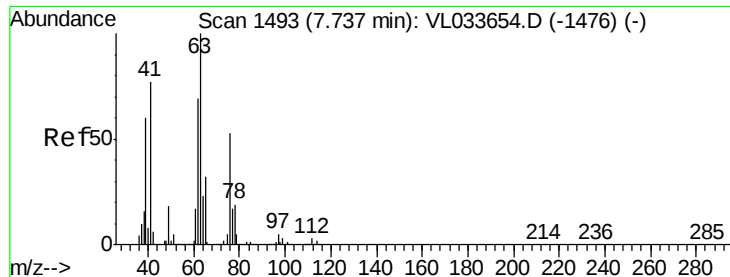
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#38
 Trichloroethene
 Concen: 13.245 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion:130 Resp: 910391
 Ion Ratio Lower Upper
 130 100
 95 115.8 93.4 140.0
 132 96.0 76.2 114.4
 97 72.5 62.2 93.4





#39

1,2-Dichloropropane

Concen: 12.038 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

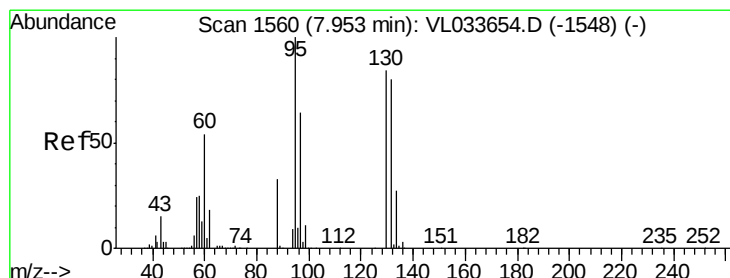
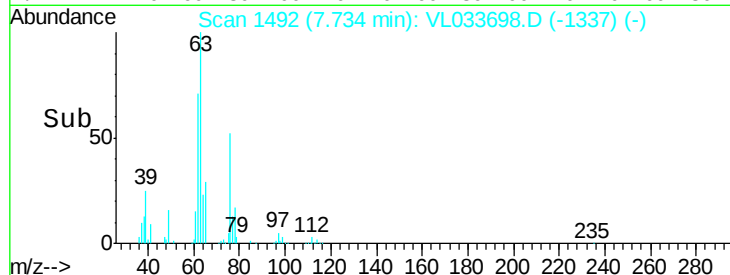
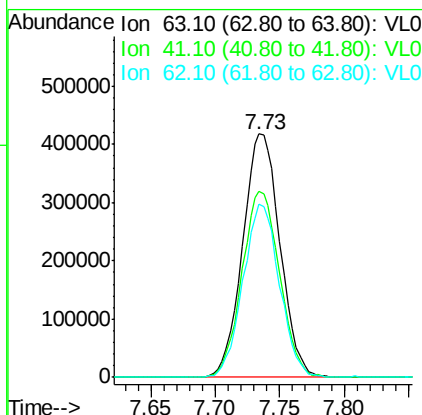
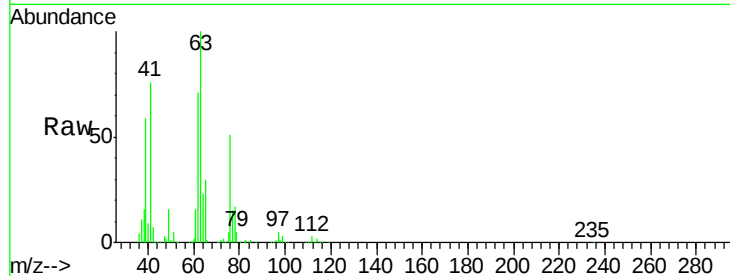
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	840637
Ion Ratio	Lower	Upper	
63	100		
41	76.4	61.6	92.4
62	70.9	55.0	82.6

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#40

1,4-Dioxane

Concen: 12.182 ppbv

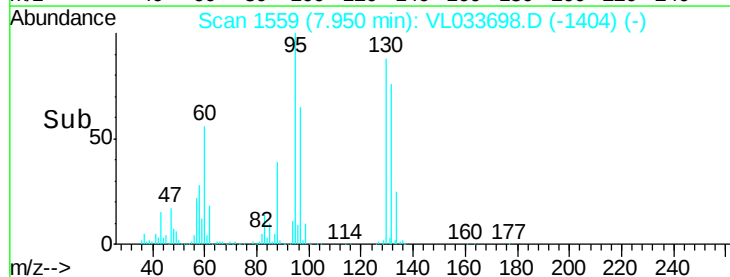
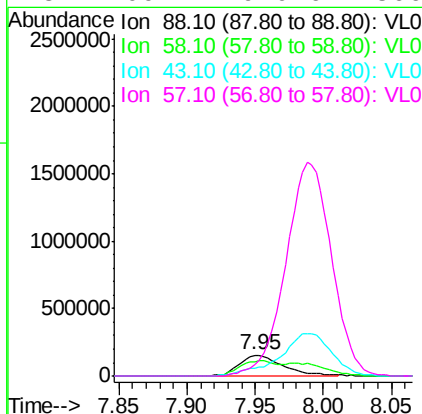
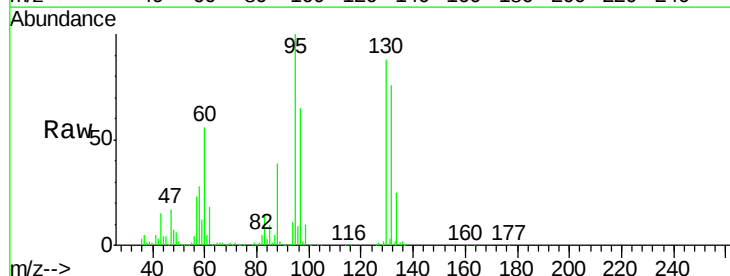
RT: 7.95 min Scan# 1559

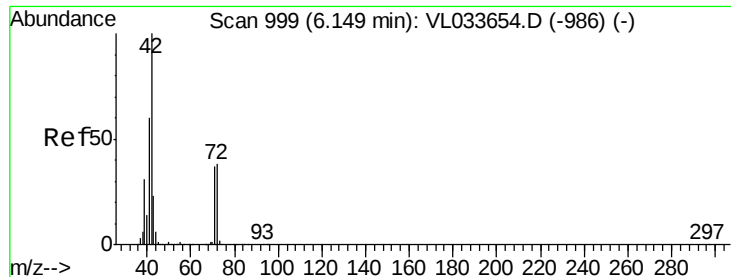
Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tgt Ion:	88	Resp:	339993
Ion Ratio	Lower	Upper	
88	100		
58	123.0	102.3	153.5
43	245.8	206.1	309.1
57	1092.1	910.6	1366.0





#41

Tetrahydrofuran

Concen: 11.934 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

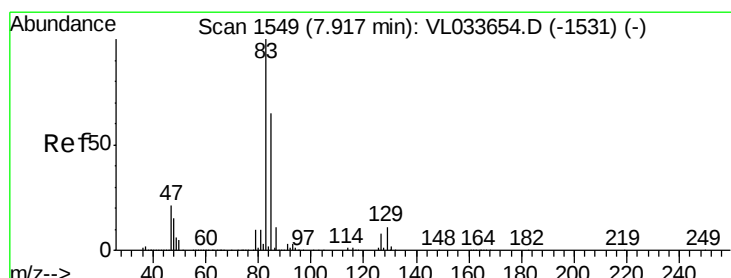
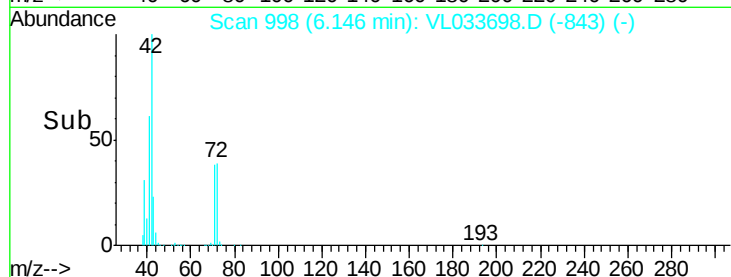
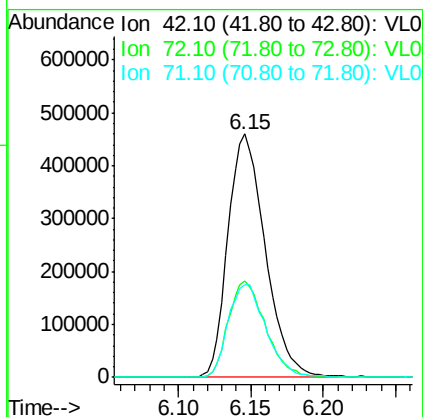
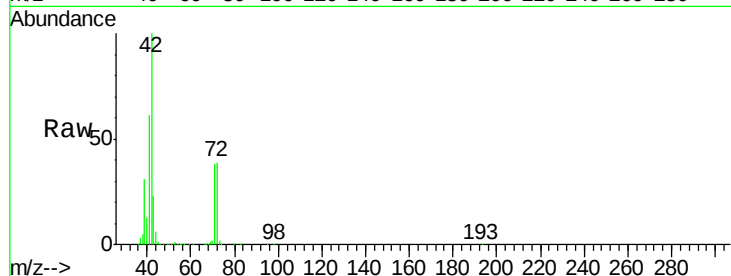
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	825226
Ion Ratio		Lower	Upper
42	100		
72	39.4	31.6	47.4
71	38.6	30.6	46.0

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#42

Bromodichloromethane

Concen: 11.587 ppbv

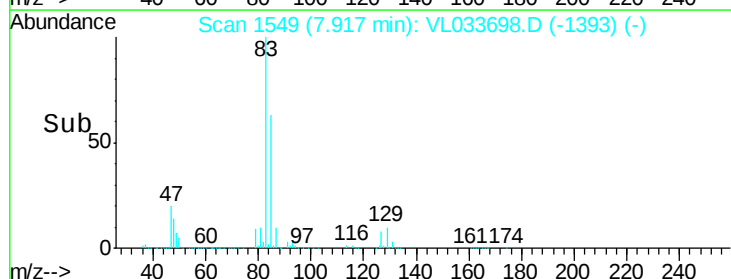
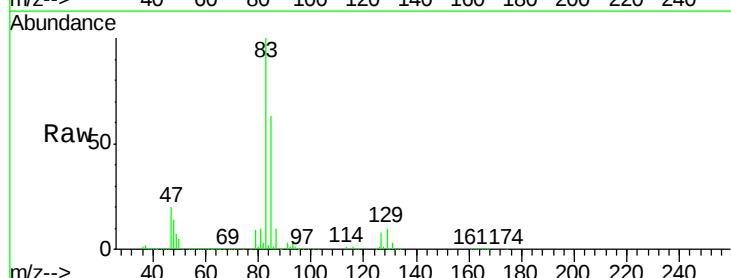
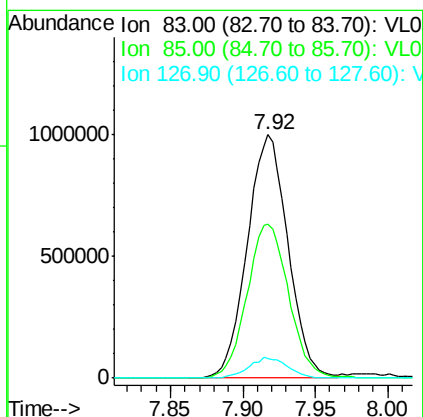
RT: 7.92 min Scan# 1549

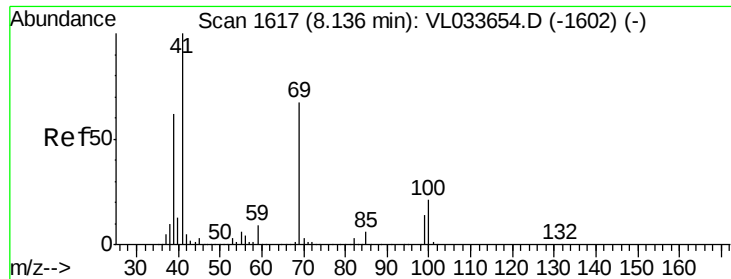
Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tgt Ion:	83	Resp:	1955978
Ion Ratio		Lower	Upper
83	100		
85	63.4	52.4	78.6
127	8.0	6.6	9.8





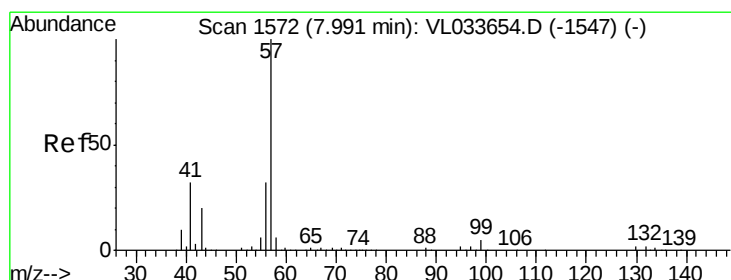
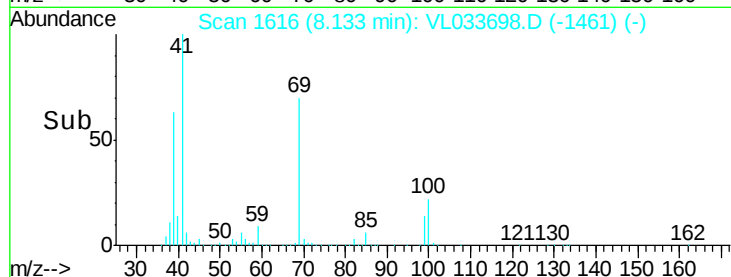
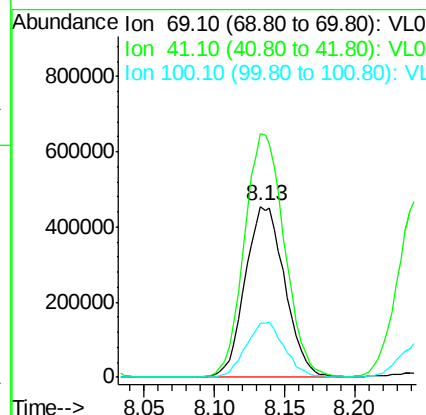
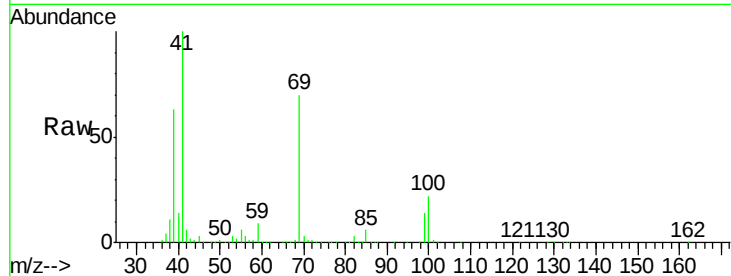
#43
Methvl Methacrylate
Concen: 12.694 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.2	116.6	175.0
100	31.5	24.6	37.0

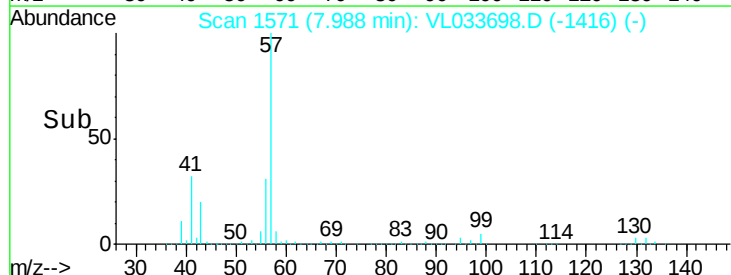
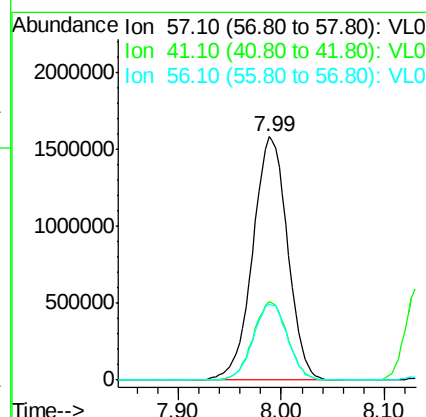
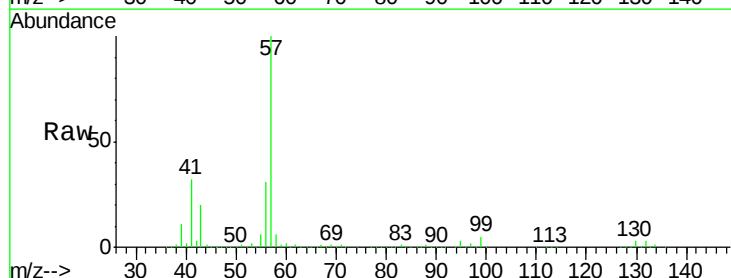
Manual Integrations
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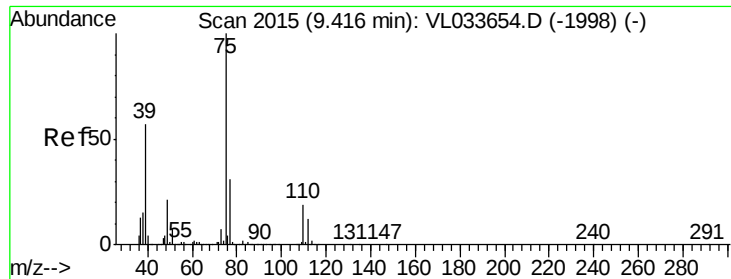
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#44
2,2,4-Trimethylpentane
Concen: 11.577 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.7	25.7	38.5
56	30.9	25.0	37.6





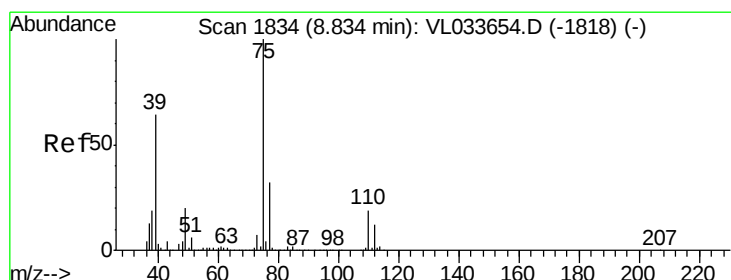
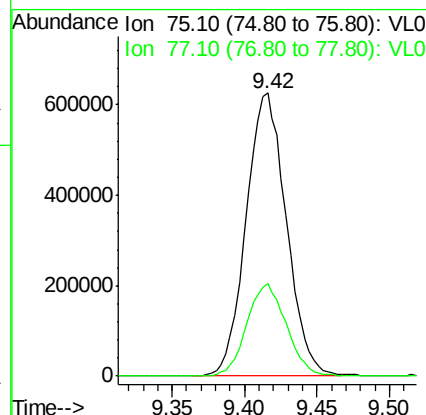
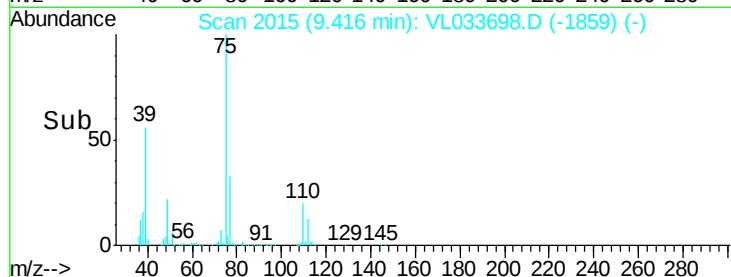
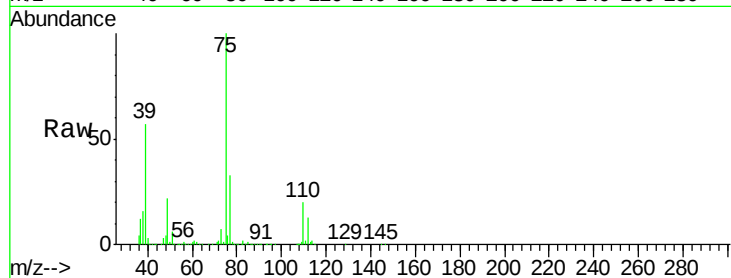
#45
t-1,3-Dichloropropene
Concen: 13.962 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1207777
Ion Ratio Lower Upper
75 100
77 32.8 24.7 37.1

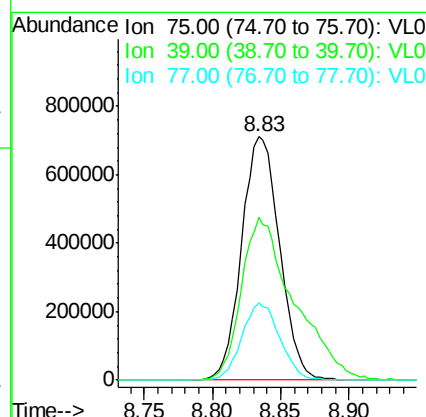
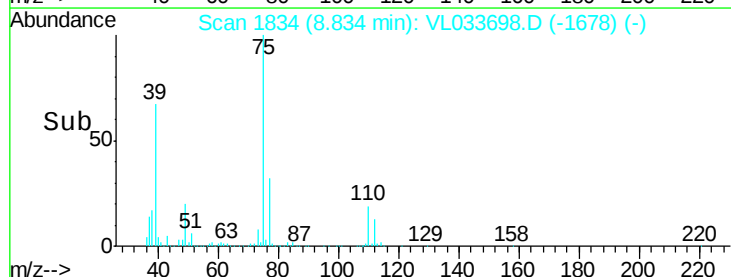
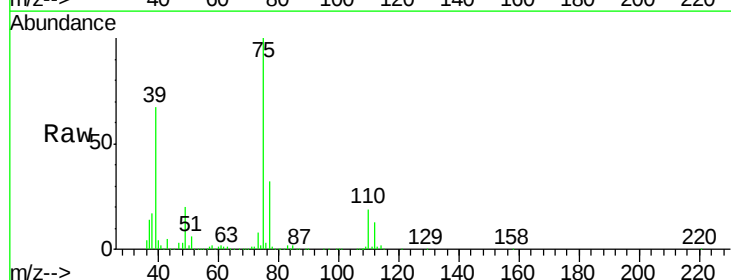
Manual Integrations
APPROVED

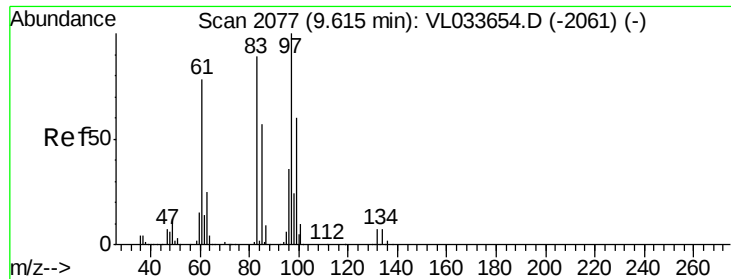
MMDadoda
5/16/2019 5:41:21 AM



#46
cis-1,3-Dichloropropene
Concen: 12.740 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 75 Resp: 1375476
Ion Ratio Lower Upper
75 100
39 66.8 51.5 77.3
77 31.7 25.4 38.0





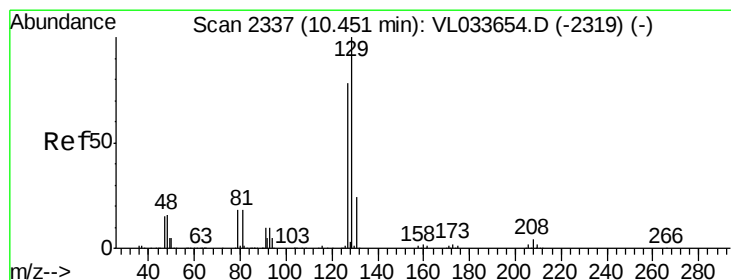
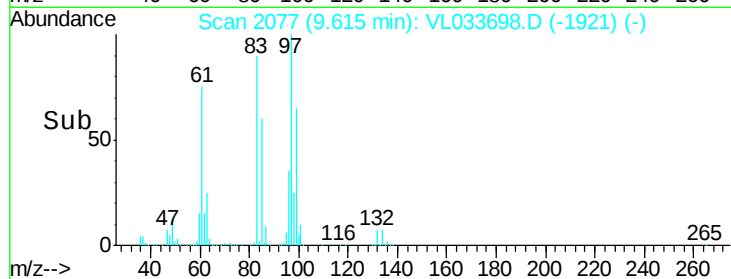
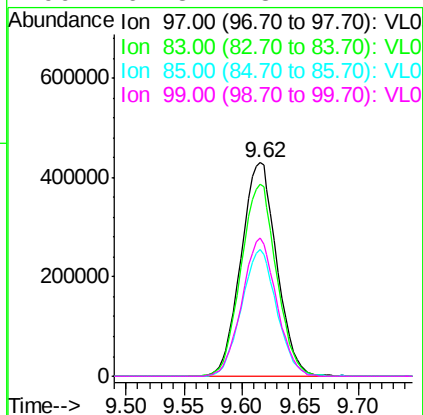
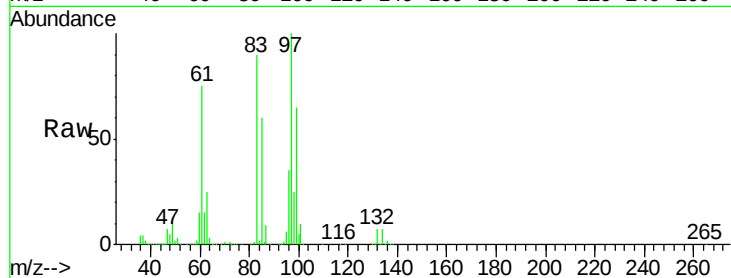
#47
 1,1,2-Trichloroethane
 Concen: 11.524 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	924210		
83	90.1	70.9	106.3	
85	59.5	45.8	68.6	
99	64.8	48.2	72.4	

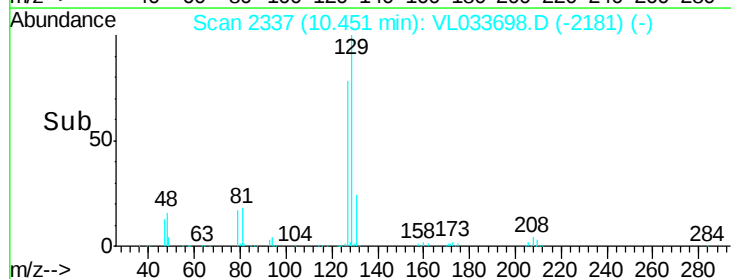
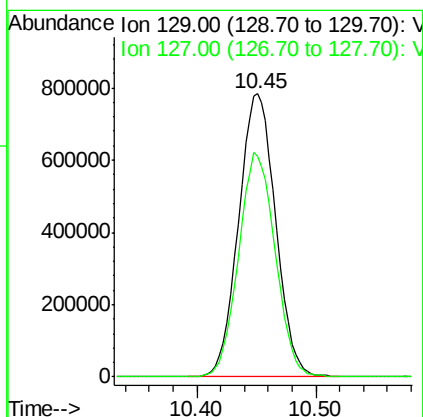
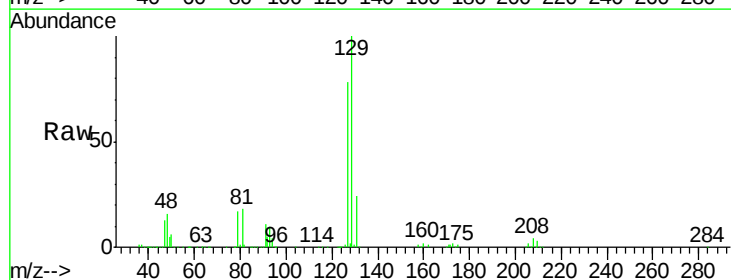
Manual Integrations
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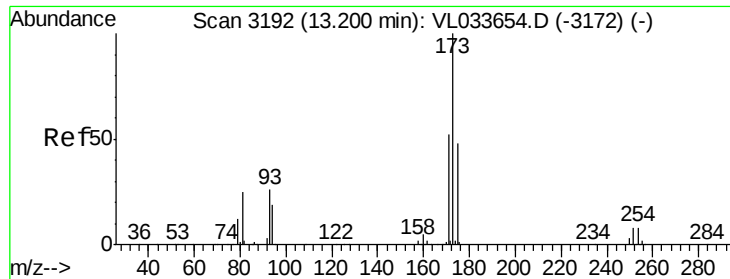
MMDadoda
 5/16/2019 5:41:21 AM



#48
 Dibromochloromethane
 Concen: 12.400 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	1685791		
127	78.5	39.1	117.2	





#49

Bromoform

Concen: 12.388 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1462905

Ion Ratio Lower Upper

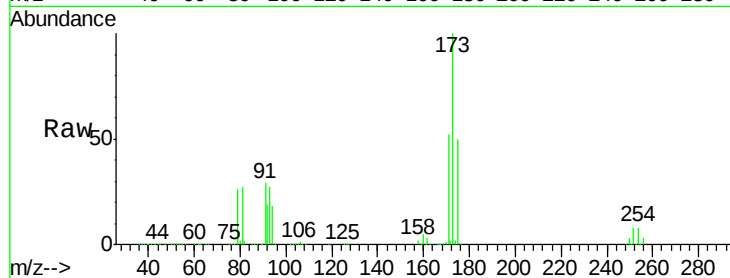
173 100

175 49.3 39.3 58.9

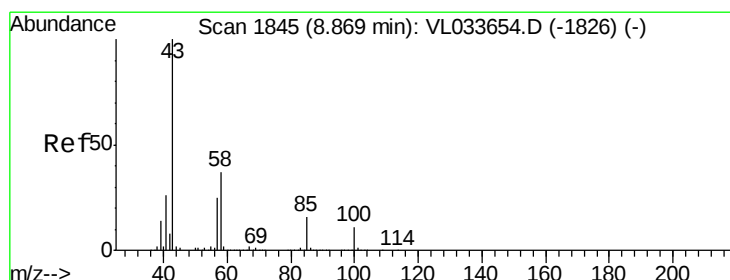
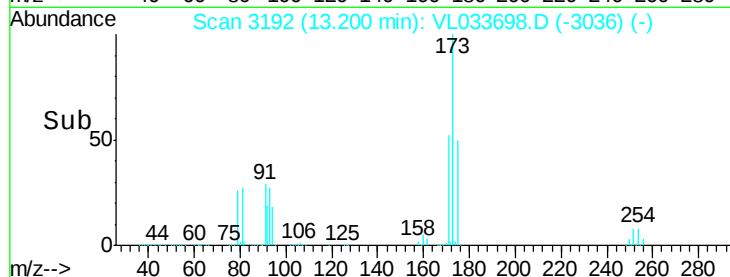
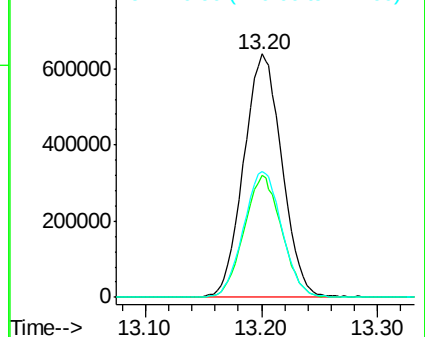
171 51.9 41.5 62.3

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



#50

4-Methyl-2-Pentanone

Concen: 11.784 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VL033698.D

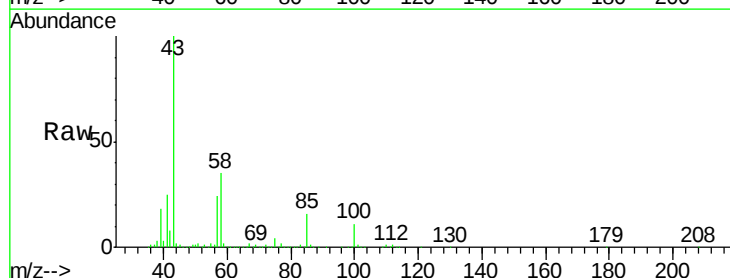
Acq: 14 May 2019 19:32

Tgt Ion: 43 Resp: 2387663

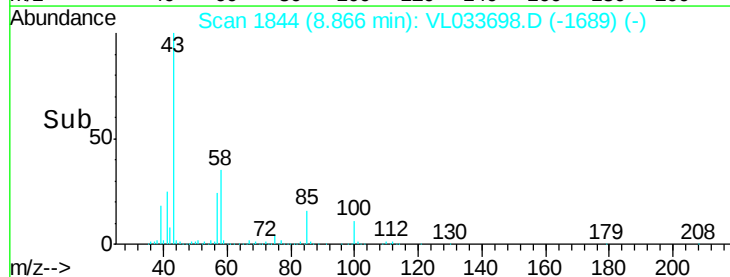
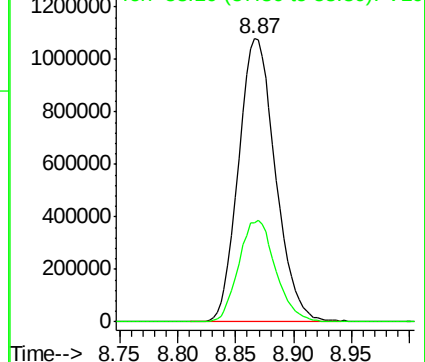
Ion Ratio Lower Upper

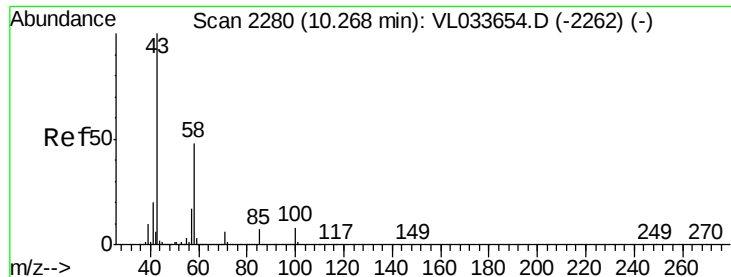
43 100

58 35.9 28.8 43.2



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





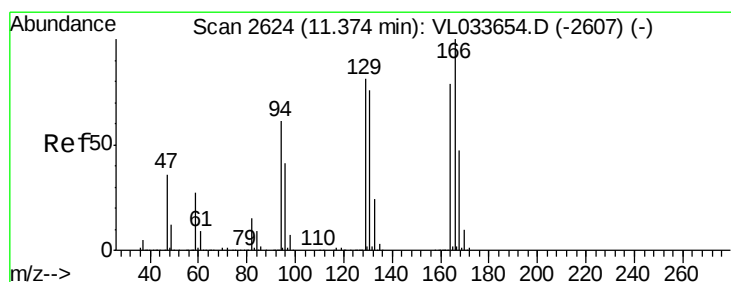
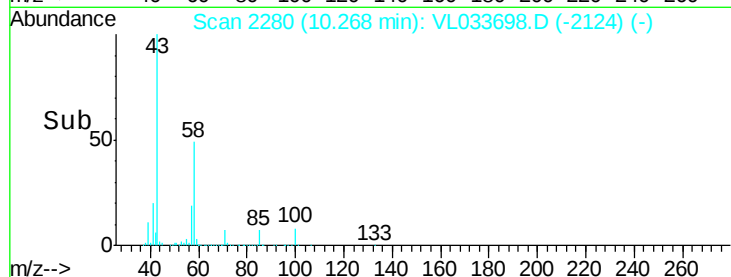
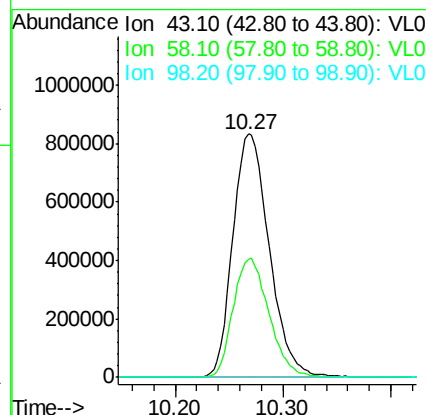
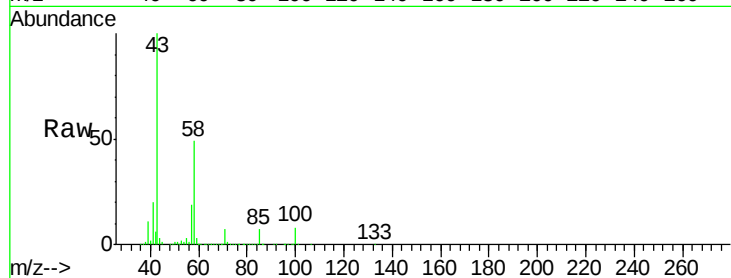
#51
2-Hexanone
Concen: 12.474 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1958023
Ion Ratio Lower Upper
43 100
58 48.3 38.2 57.4
98 0.2 0.2 0.4#

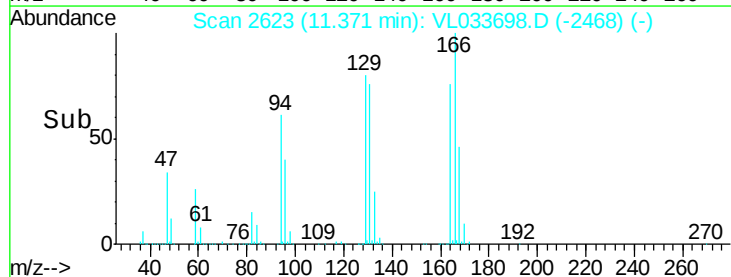
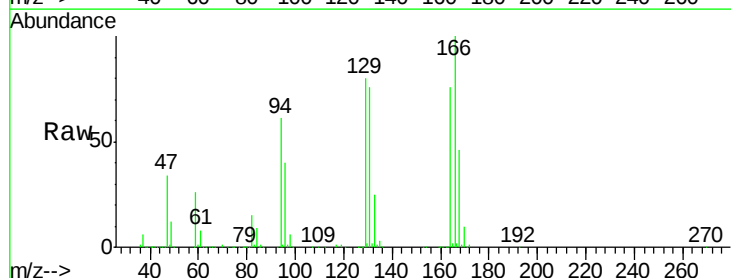
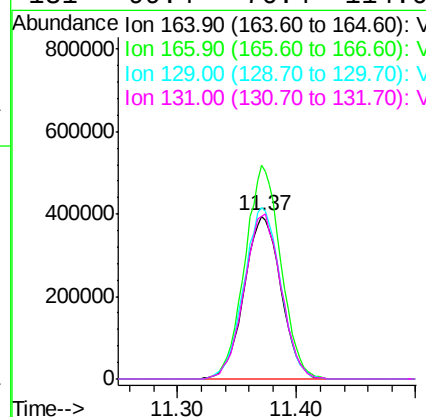
Manual Integrations
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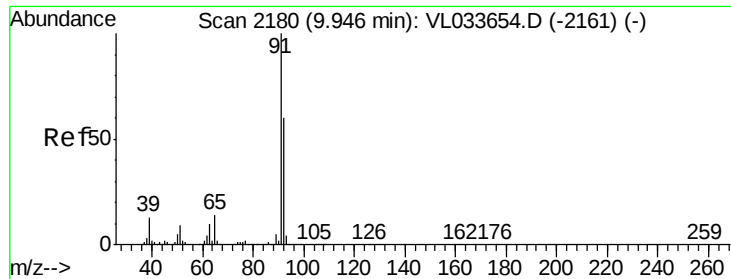
MMDadoda
5/16/2019 5:41:21 AM



#52
Tetrachloroethene
Concen: 12.740 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 164 Resp: 845733
Ion Ratio Lower Upper
164 100
166 130.8 100.6 151.0
129 105.2 81.0 121.6
131 99.4 76.4 114.6





#53

Toluene

Concen: 12.811 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2593566

Ion Ratio Lower Upper

91 100

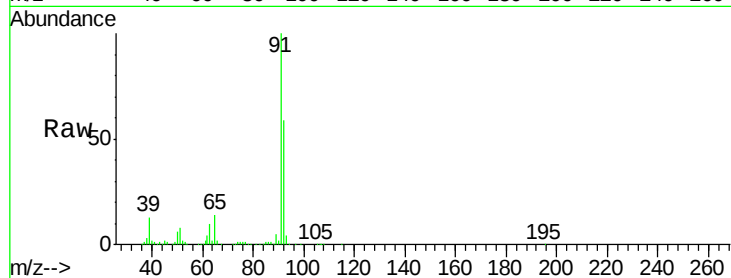
92 59.7 47.7 71.5

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 92.10 (91.80 to 92.80): VL0

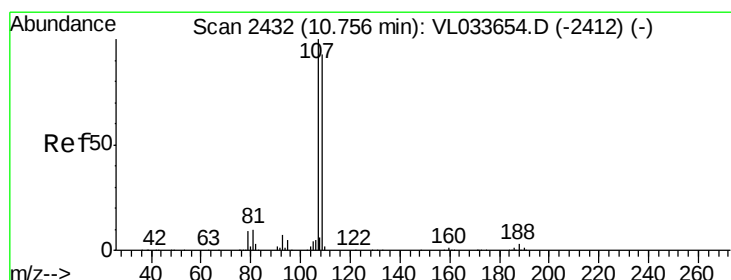
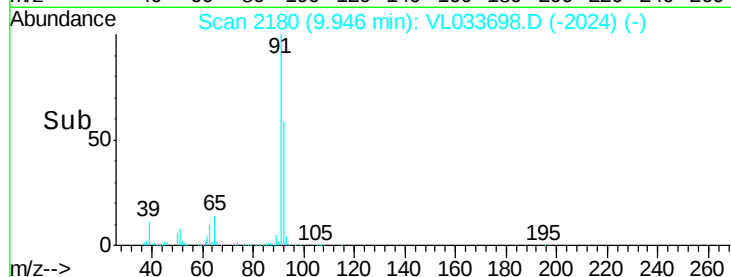
9.95

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 12.152 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL033698.D

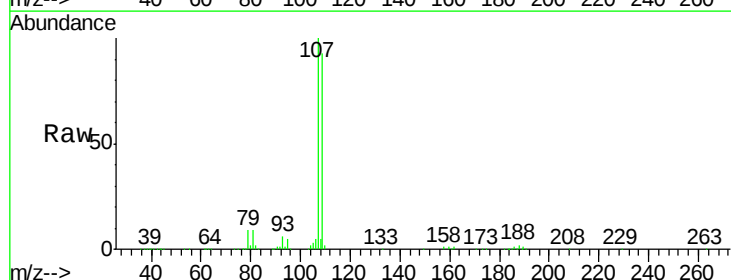
Acq: 14 May 2019 19:32

Tgt Ion: 107 Resp: 1467952

Ion Ratio Lower Upper

107 100

109 92.6 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

800000 Ion 109.00 (108.70 to 109.70): V

10.76

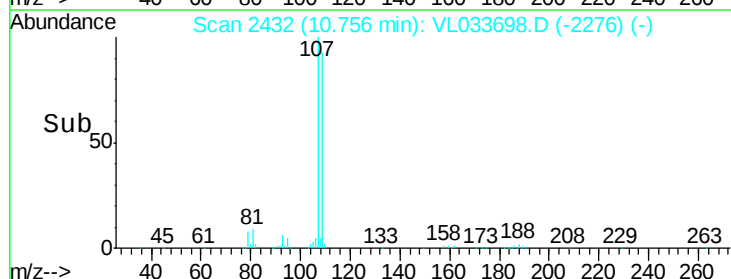
600000

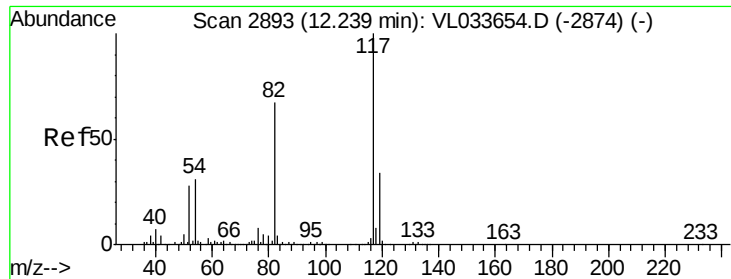
400000

200000

0

Time-->





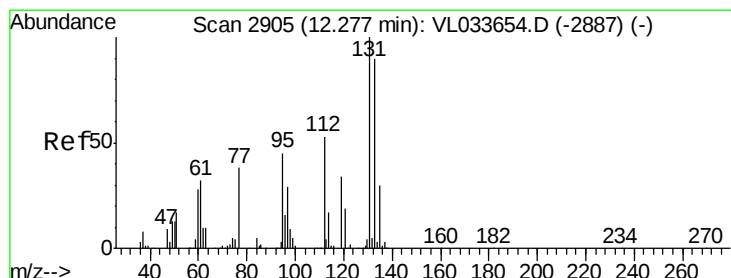
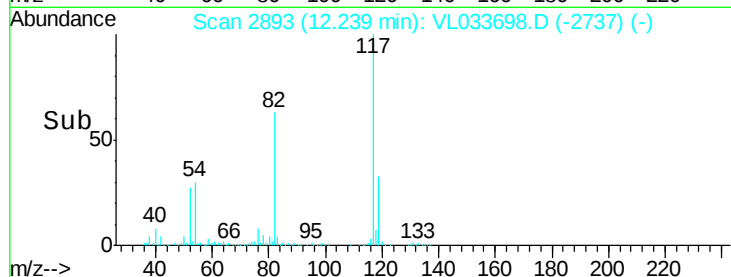
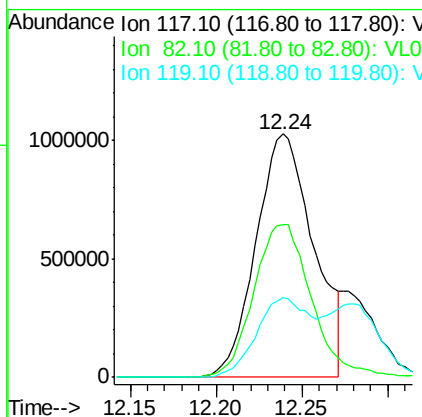
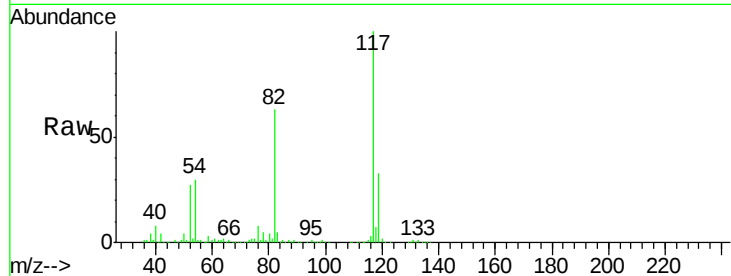
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2393441
Ion Ratio Lower Upper
117 100
82 63.5 49.7 74.5
119 28.2 24.8 37.2

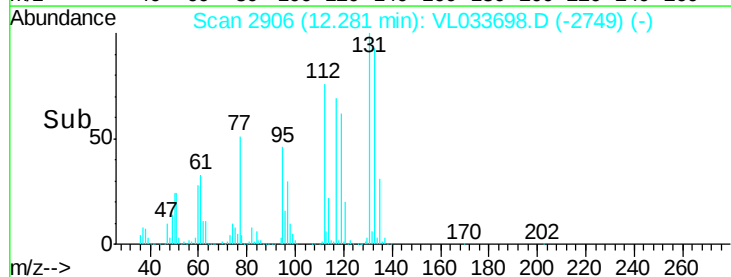
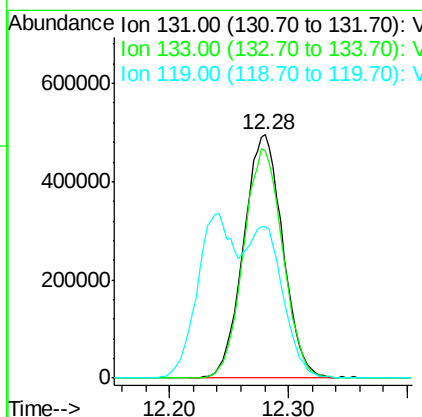
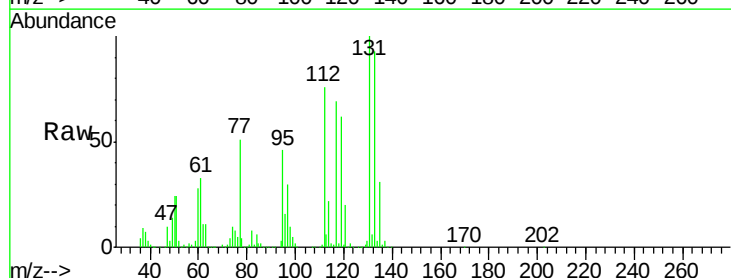
Manual Integrations
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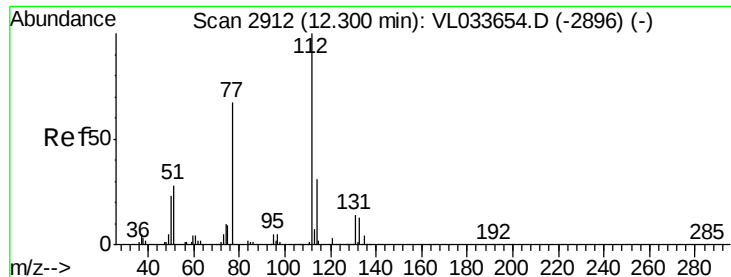
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.218 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion:131 Resp: 1128146
Ion Ratio Lower Upper
131 100
133 94.6 76.0 114.0
119 60.9 45.4 68.2





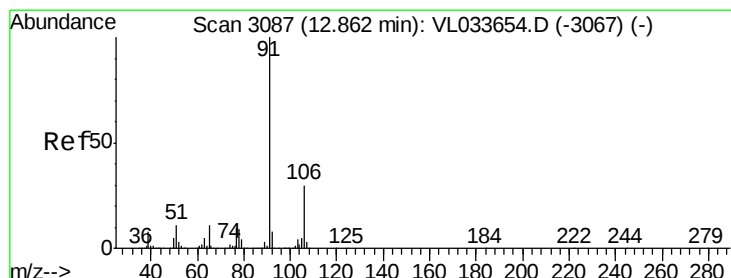
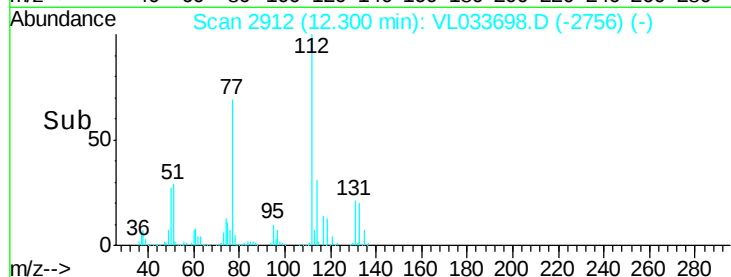
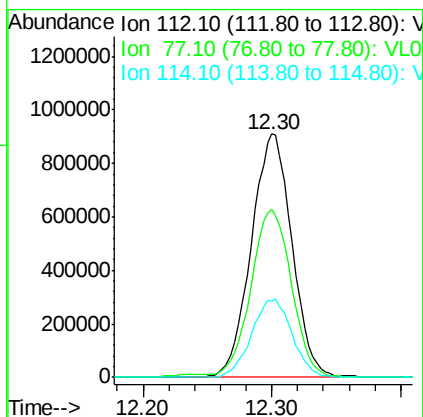
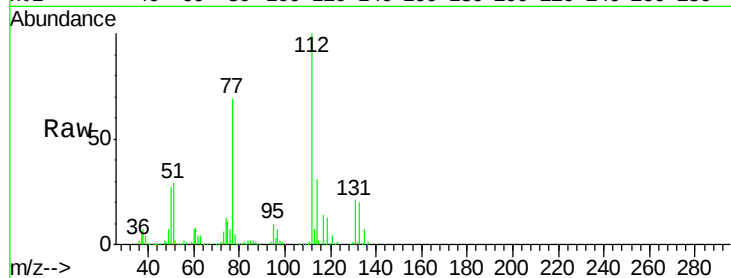
#57
Chlorobenzene
Concen: 10.142 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.5	54.4	81.6
114	31.2	28.2	34.4

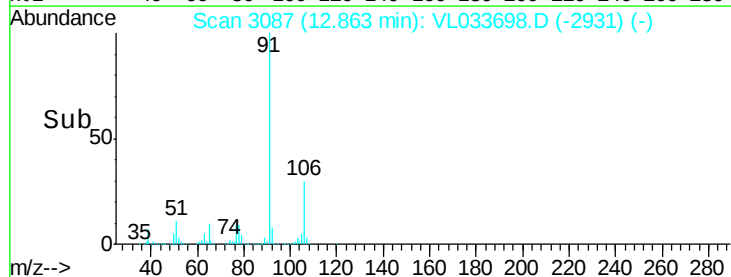
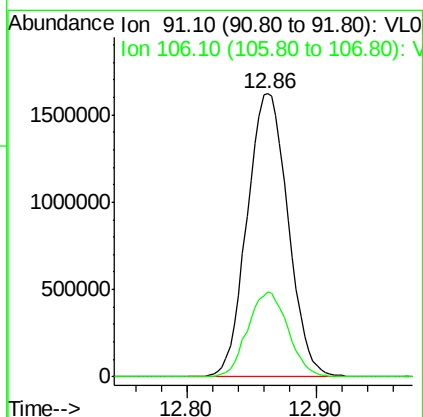
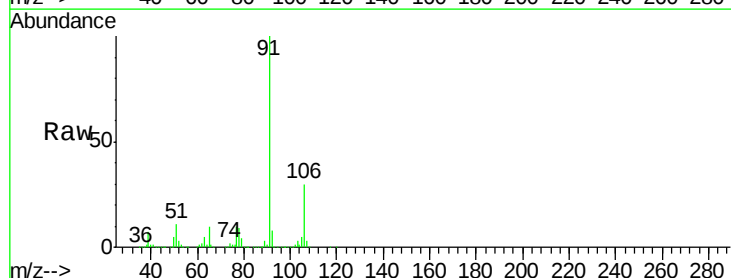
Manual Integrations
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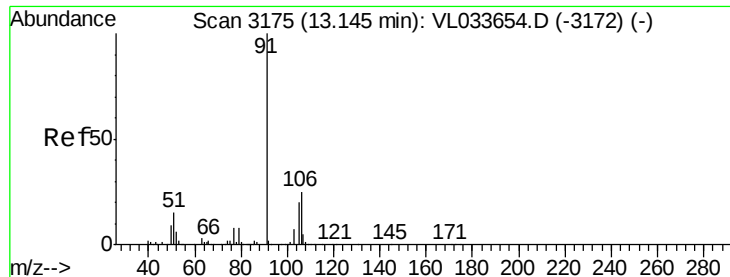
MMDadoda
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#58
Ethyl Benzene
Concen: 11.497 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.7	35.5





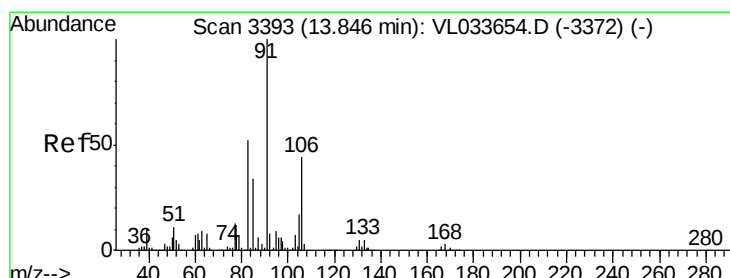
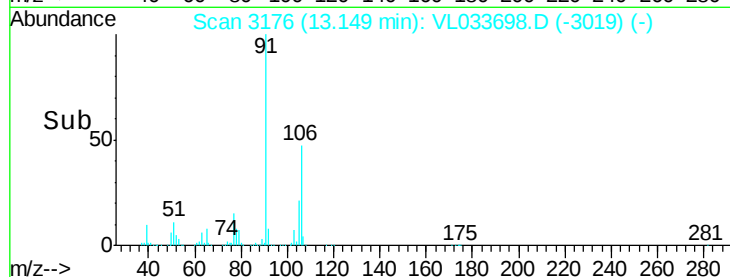
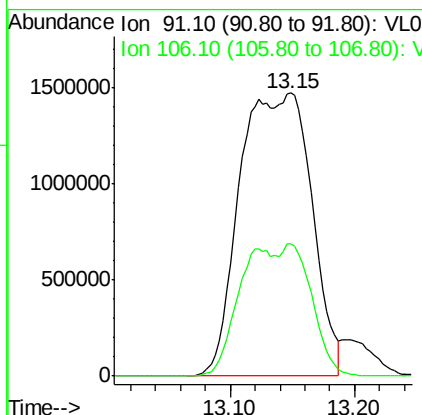
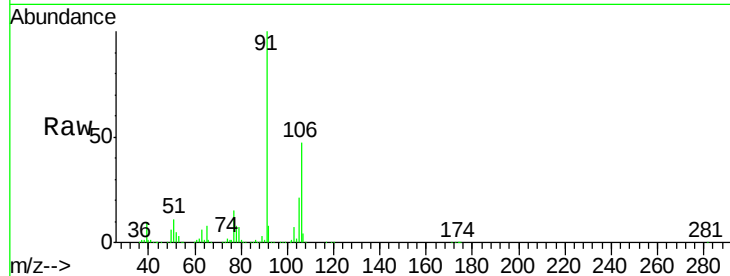
#59
m/p-Xylene
Concen: 21.442 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5894639
Ion Ratio Lower Upper
91 100
106 45.5 36.2 54.2

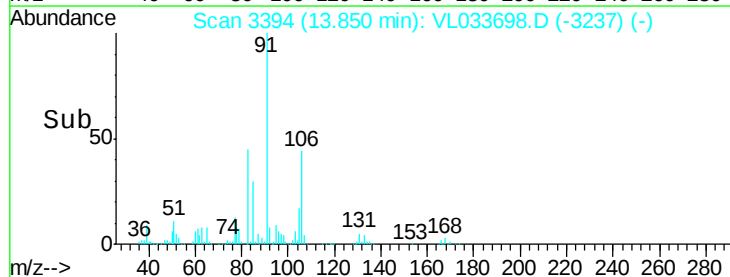
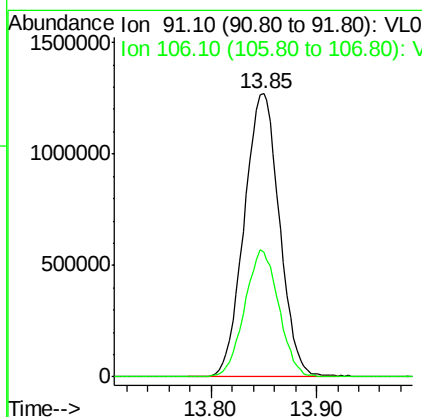
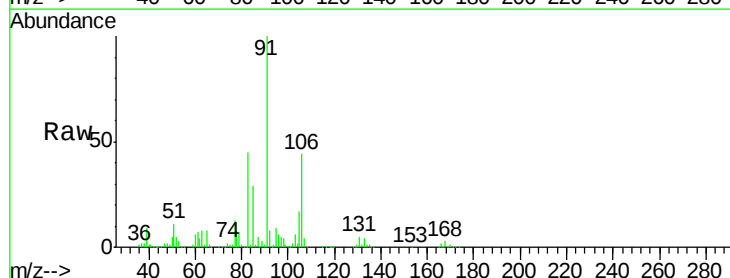
Manual Integrations
APPROVED

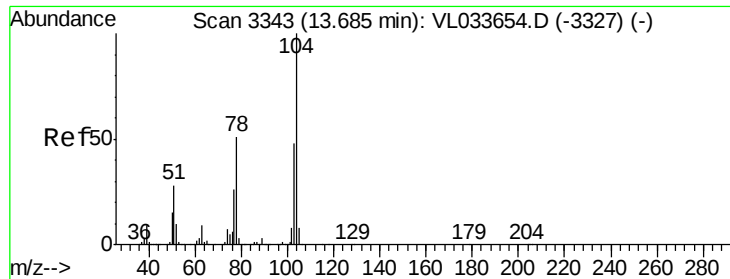
MMDadoda
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#60
o-Xylene
Concen: 10.622 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 91 Resp: 2955261
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





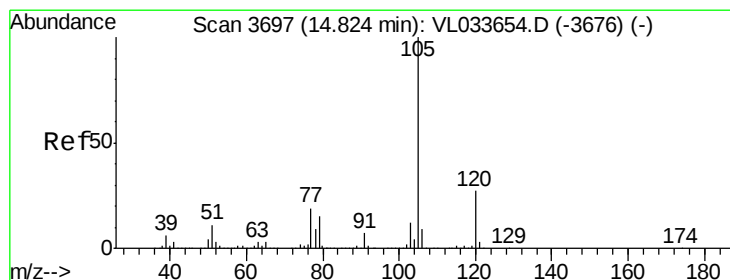
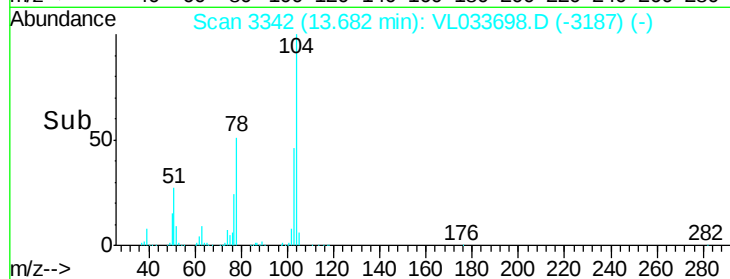
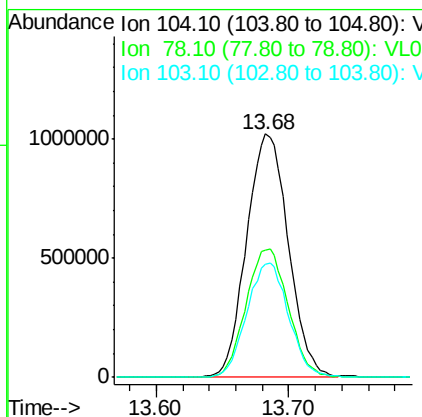
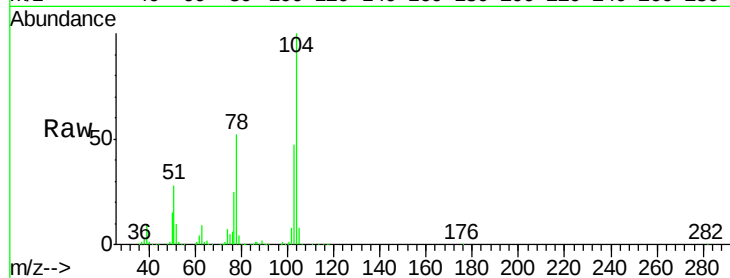
#61
Stvrene
Concen: 12.077 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.0	64.6
103	47.0	38.1	57.1

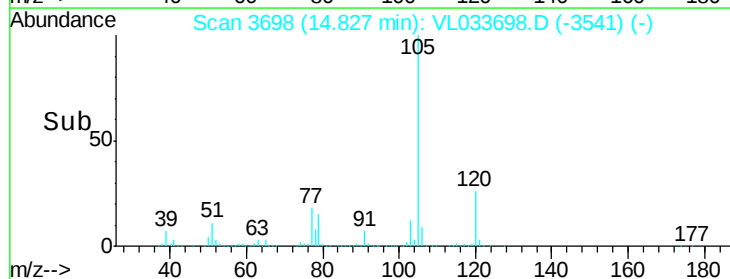
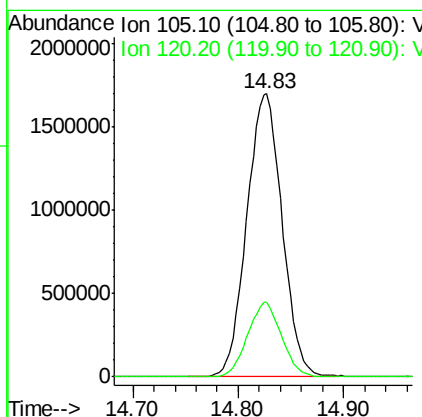
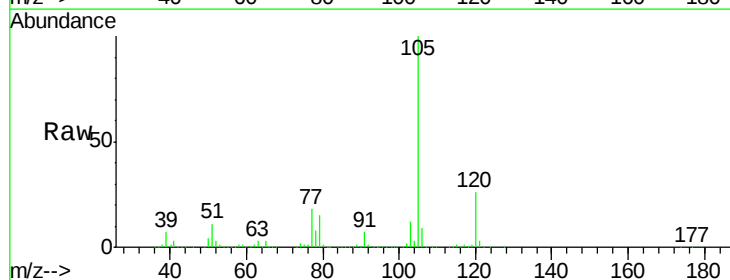
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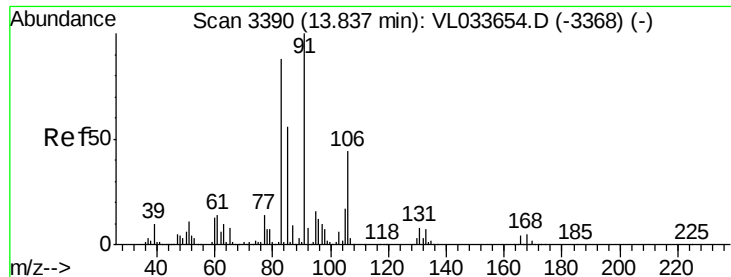
MMDadoda
5/16/2019 5:41:21 AM



#62
Isopropylbenzene
Concen: 10.420 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.5	30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.838 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1992041

Ion Ratio Lower Upper

83 100

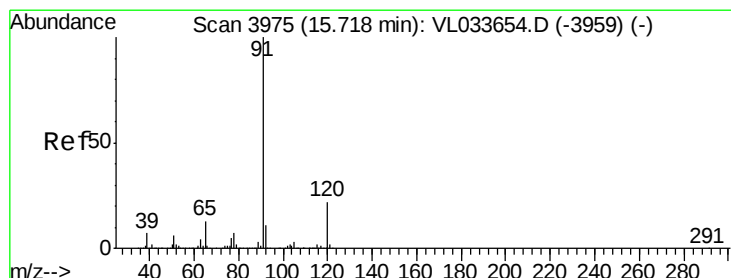
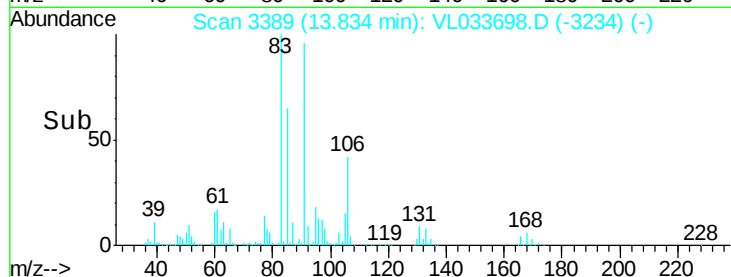
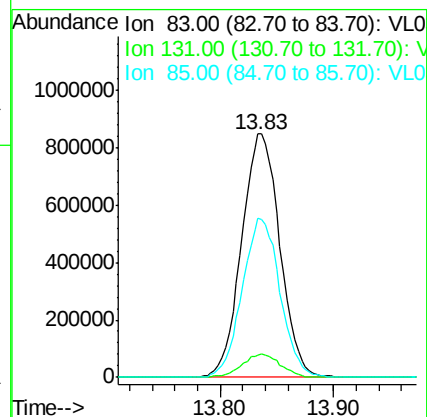
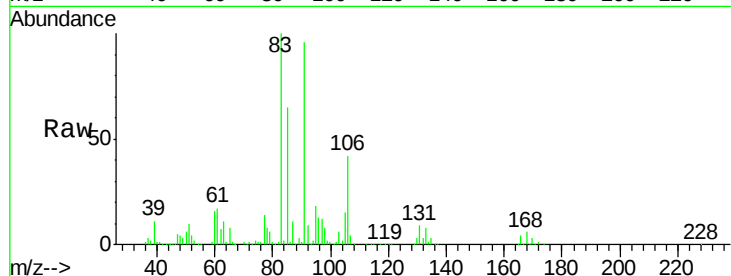
131 9.6 4.8 14.3

85 64.8 32.5 97.4

Manual Integrations
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5/16/2019 5:41:21 AM



#64

n-propylbenzene

Concen: 10.520 ppbv

RT: 15.72 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VL033698.D

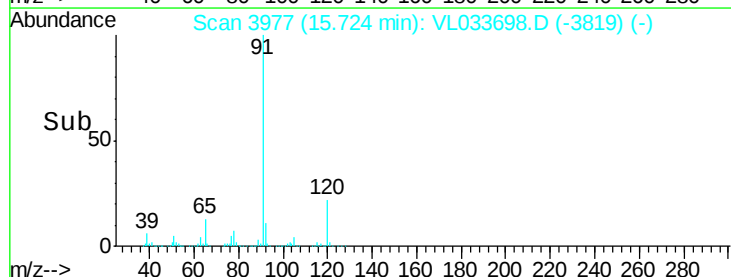
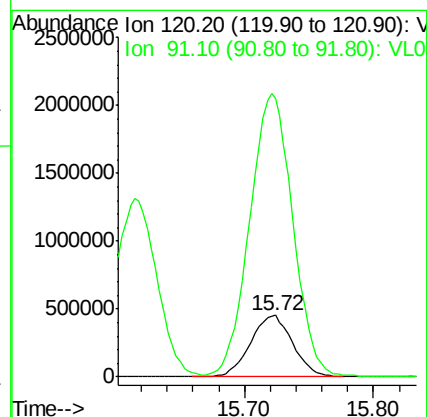
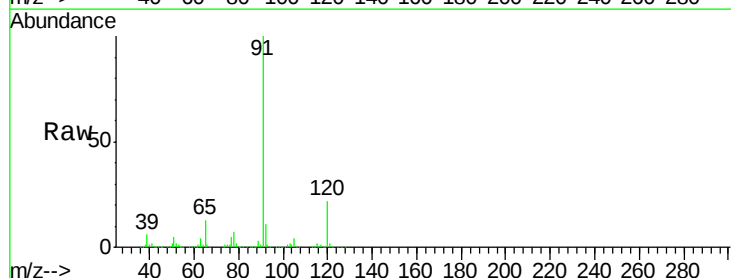
Acq: 14 May 2019 19:32

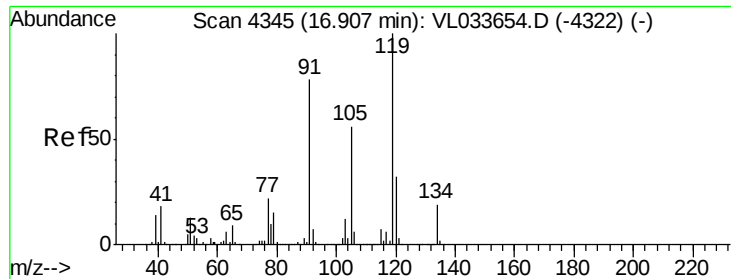
Tgt Ion:120 Resp: 1032765

Ion Ratio Lower Upper

120 100

91 471.0 379.0 568.6





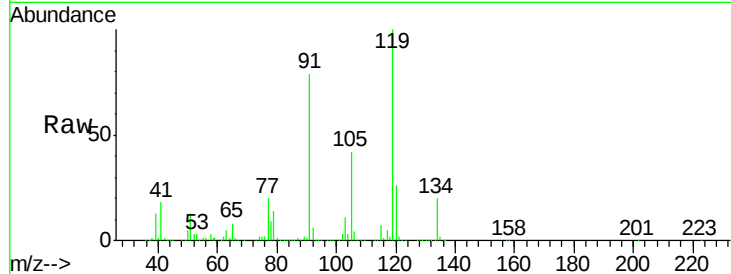
#65
tert-Butylbenzene
Concen: 10.151 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

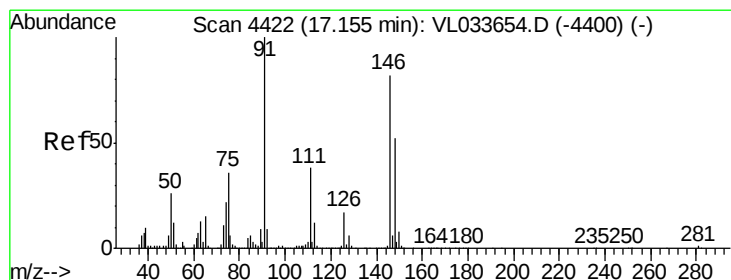
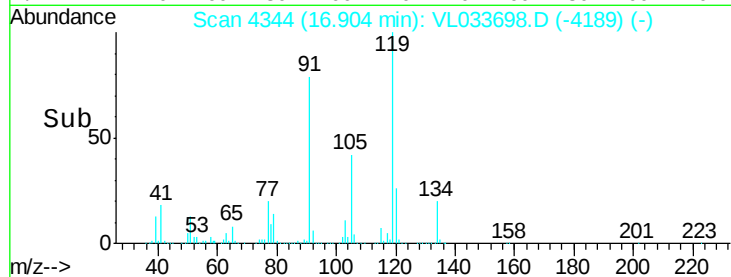
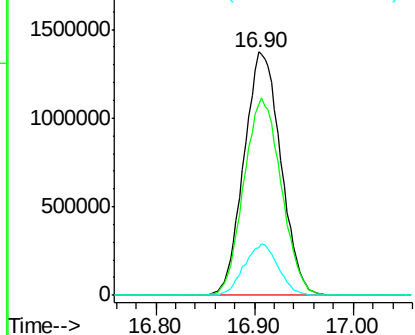
Tot Ion: 119 Resp: 3537473
Ion Ratio Lower Upper
119 100
91 82.5 65.9 98.9
134 19.6 15.5 23.3

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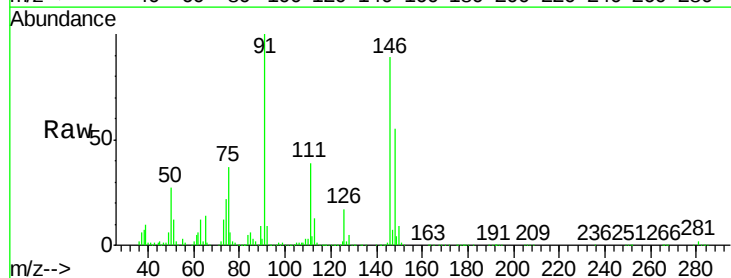


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

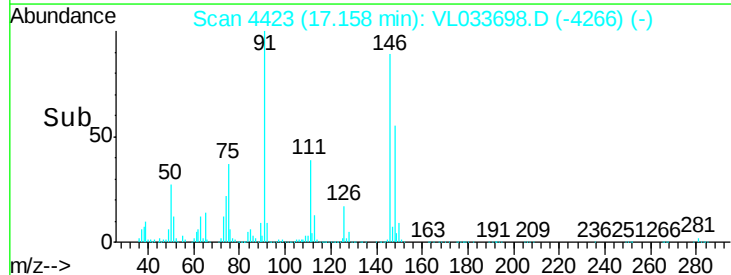
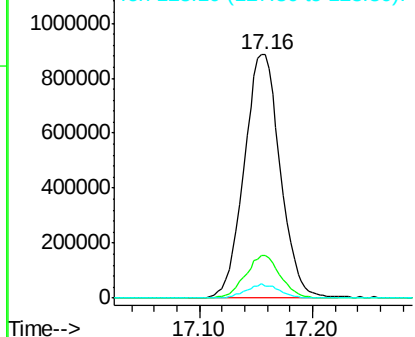


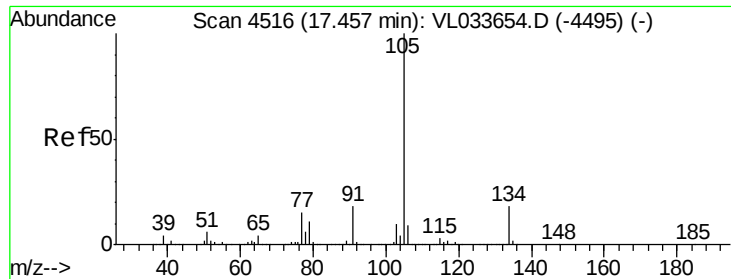
#66
Benzyl Chloride
Concen: 12.394 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033698.D
Acq: 14 May 2019 19:32

Tgt Ion: 91 Resp: 1964798
Ion Ratio Lower Upper
91 100
126 16.9 13.4 20.2
128 5.3 4.4 6.6



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: 10.210 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4963799

Ion Ratio Lower Upper

105 100

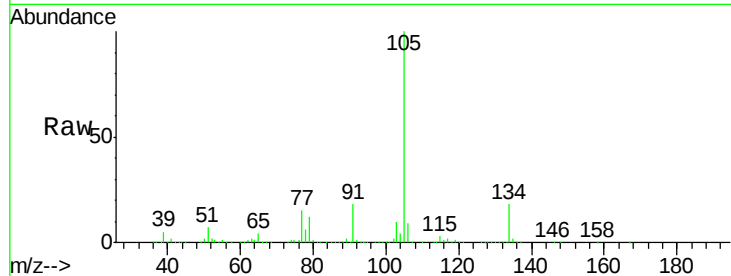
134 18.2 14.6 22.0

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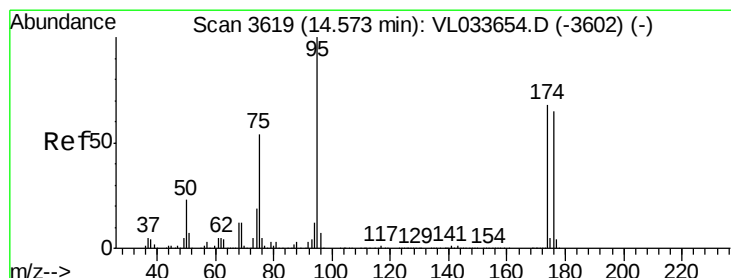
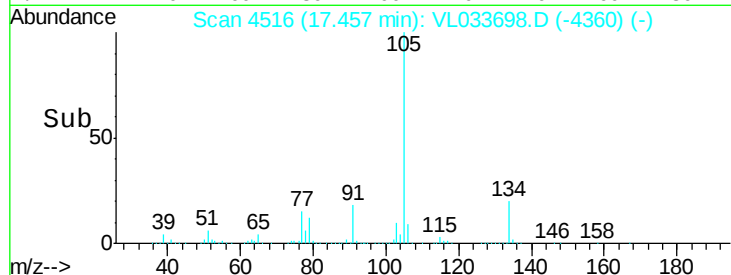
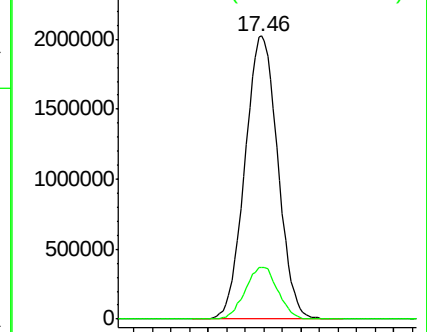
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.431 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

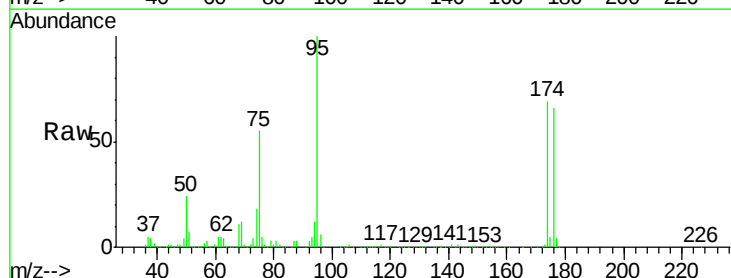
Tgt Ion: 95 Resp: 1850250

Ion Ratio Lower Upper

95 100

174 67.2 54.0 81.0

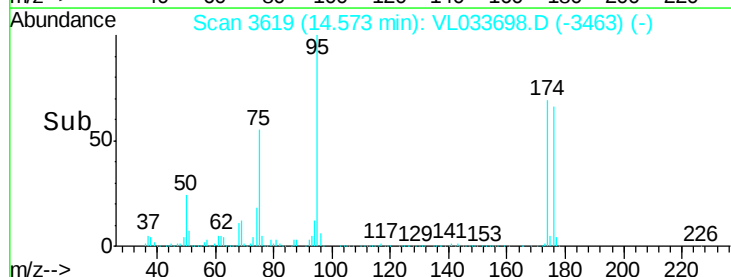
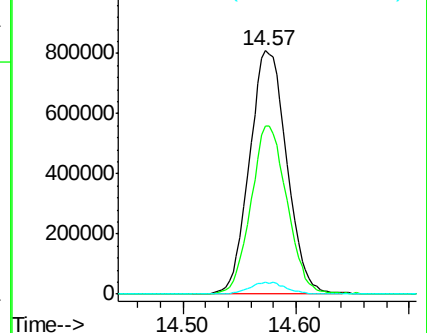
175 4.7 3.8 5.8

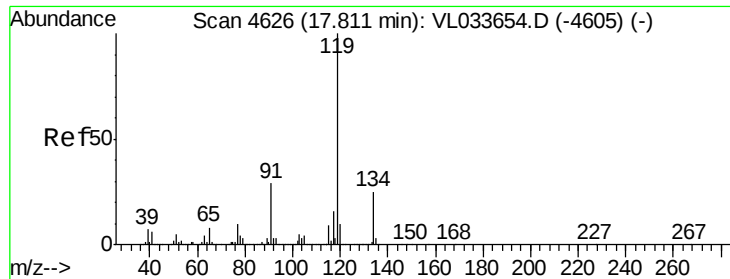


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





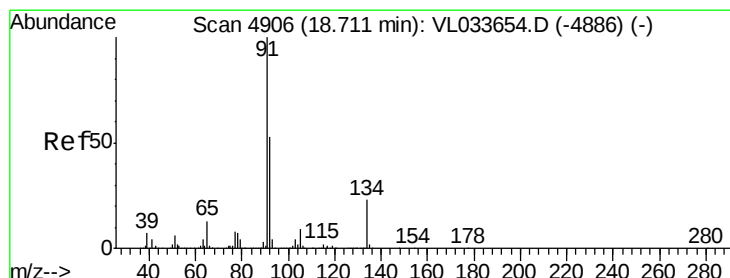
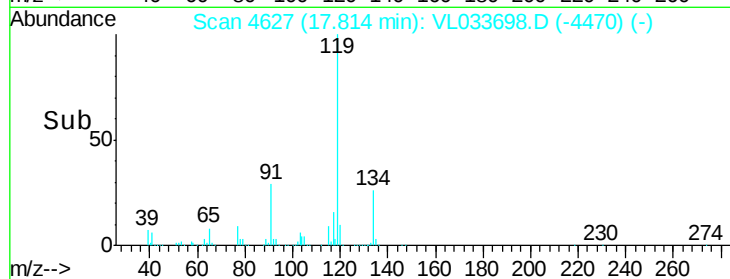
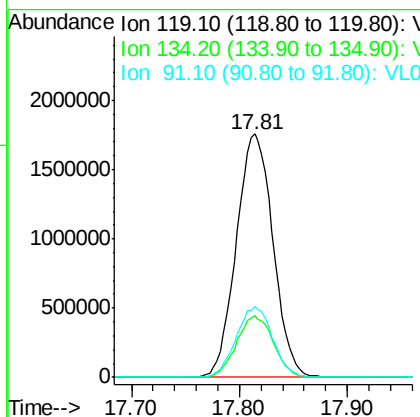
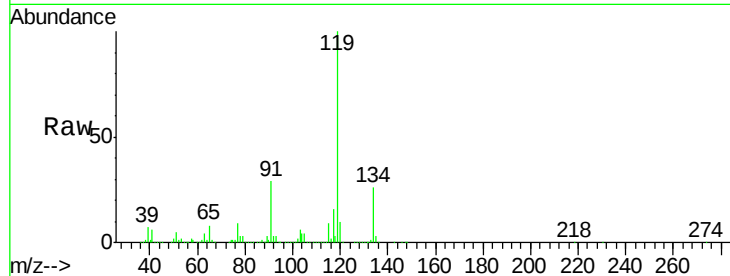
#69
 p-Isopropyltoluene
 Concen: 10.375 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	29.1	23.4	35.2

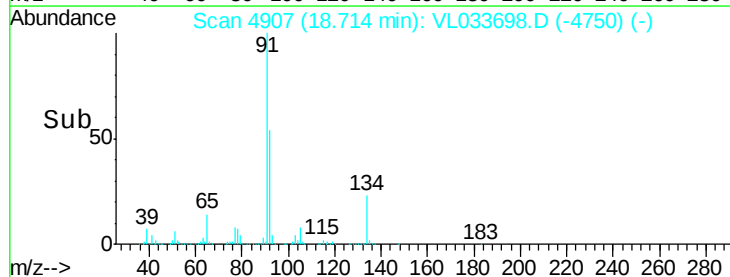
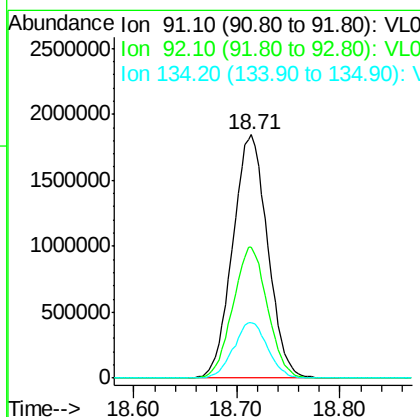
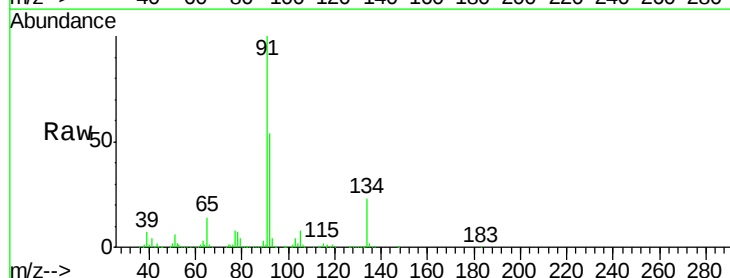
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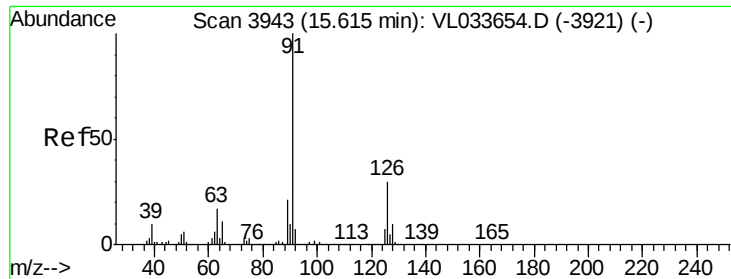
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 5/16/2019 5:41:21 AM



#70
 n-Butylbenzene
 Concen: 10.199 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.5	63.7
134	22.4	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.621 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2980834

Ion Ratio Lower Upper

91 100

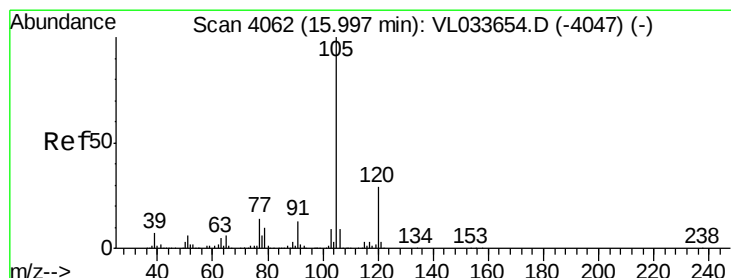
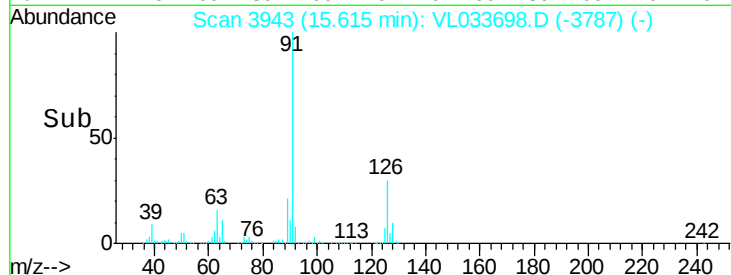
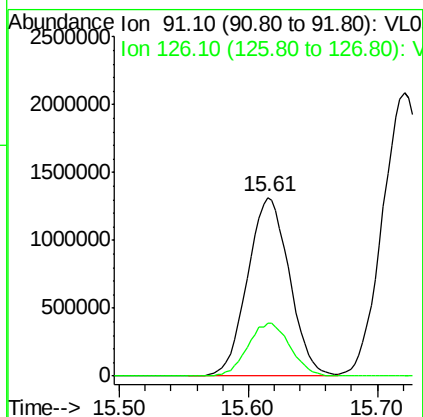
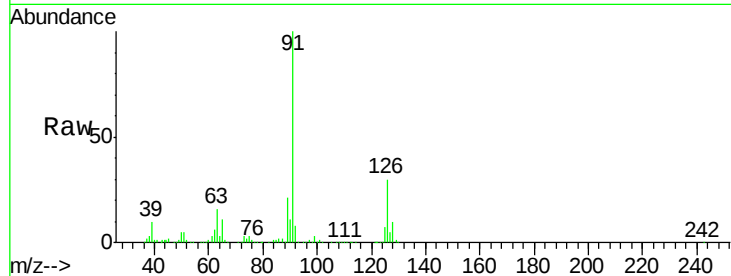
126 30.0 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 10.663 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tgt Ion:105 Resp: 3487167

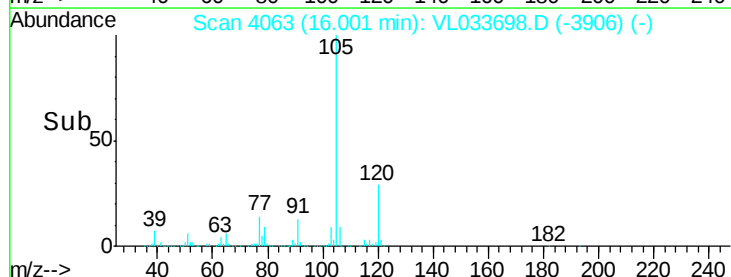
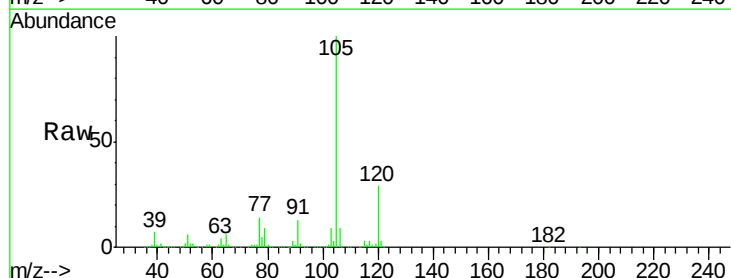
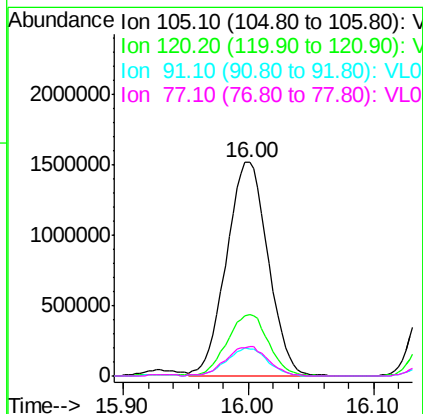
Ion Ratio Lower Upper

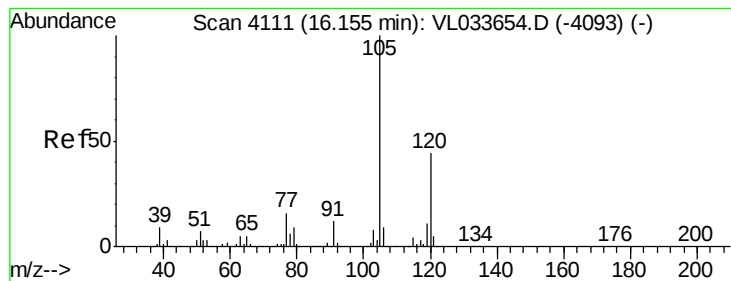
105 100

120 28.9 23.0 34.6

91 12.9 10.5 15.7

77 14.4 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.285 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3252137

Ion Ratio Lower Upper

105 100

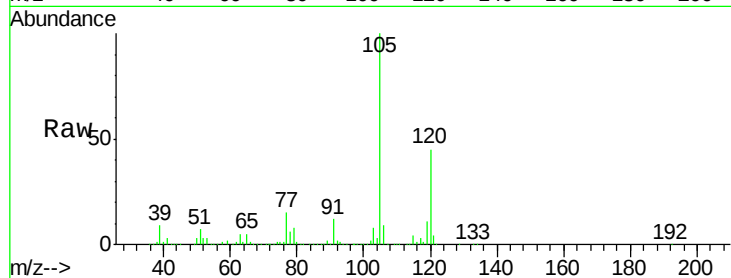
120 45.3 35.5 53.3

Manual Integrations

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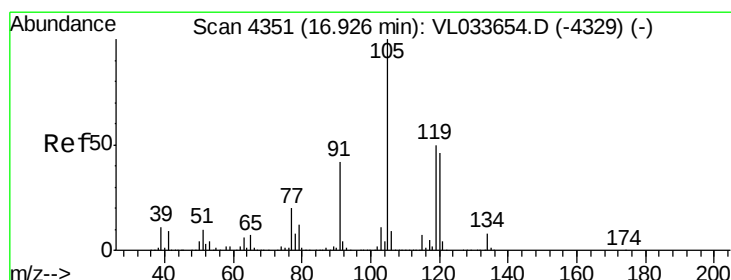
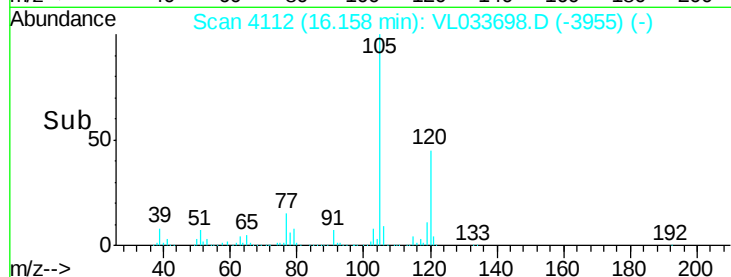
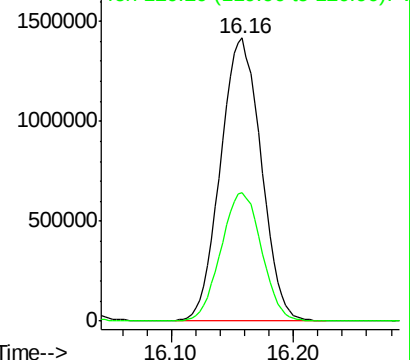
MMDadoda

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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: 9.762 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Tgt Ion:105 Resp: 3431097

Ion Ratio Lower Upper

105 100

120 47.4 36.5 54.7

91 50.2 33.7 50.5

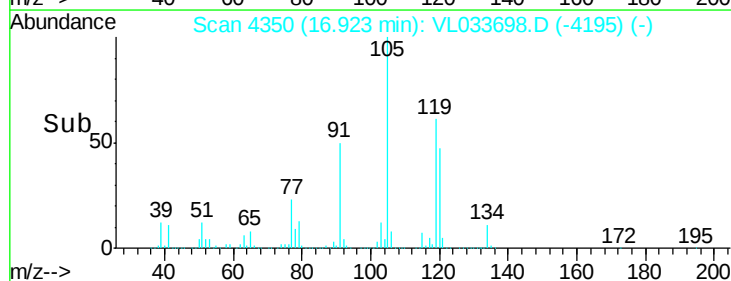
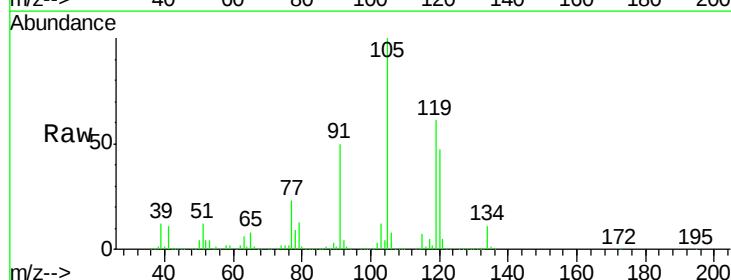
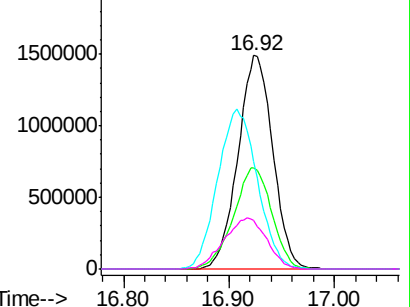
77 22.5 16.3 24.5

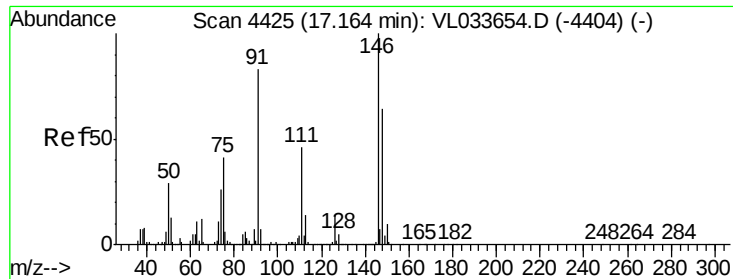
Abundance Ion 105.10 (104.80 to 105.80): V

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





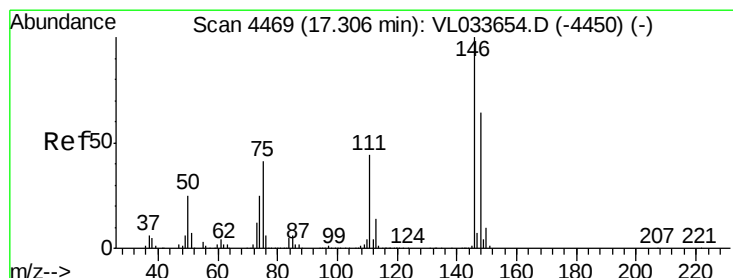
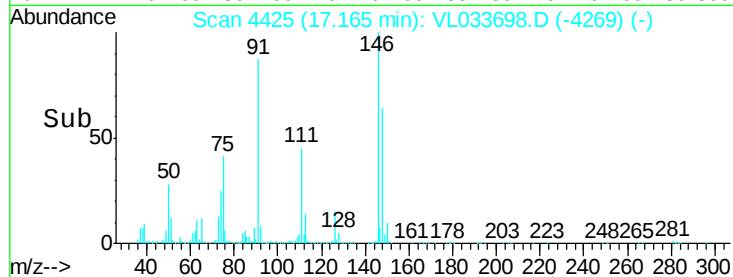
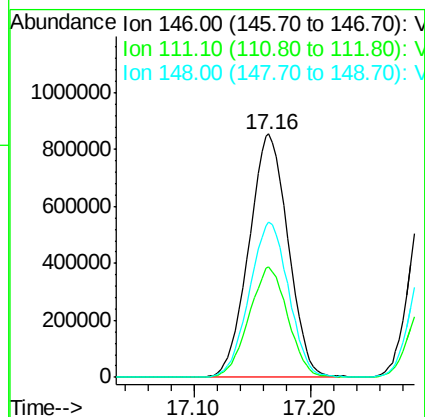
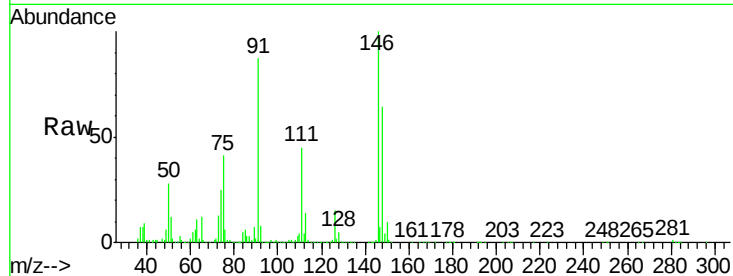
#75
 1,3-Dichlorobenzene
 Concen: 9.471 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2010657
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.6 67.7
 148 63.9 31.8 95.4

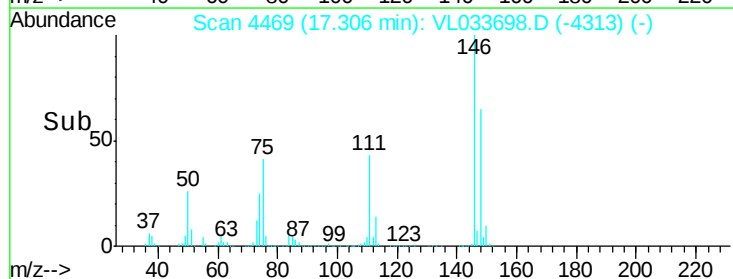
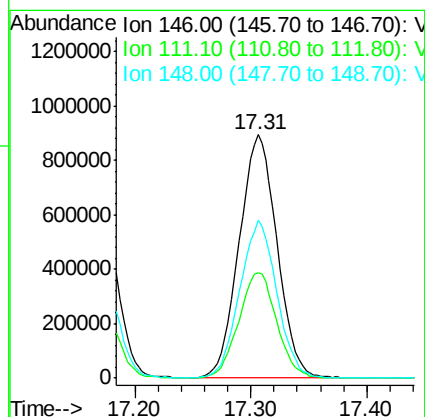
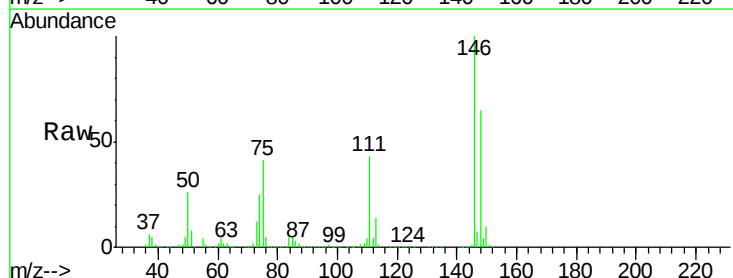
Manual Integrations
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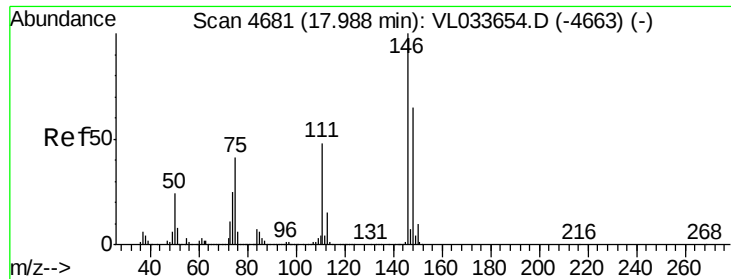
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 10.012 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion:146 Resp: 2017058
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.0 66.0
 148 64.0 32.1 96.5





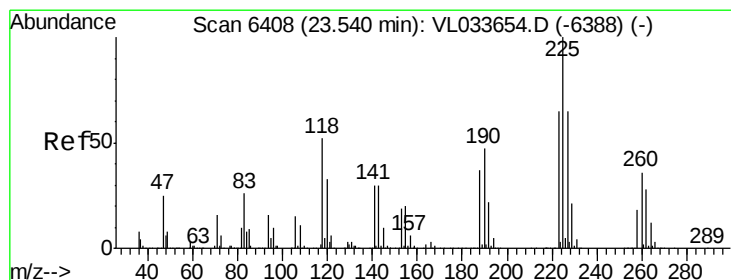
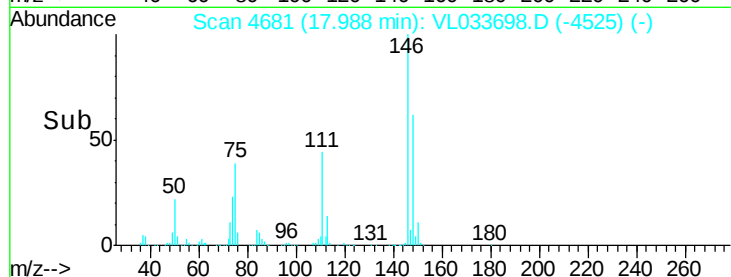
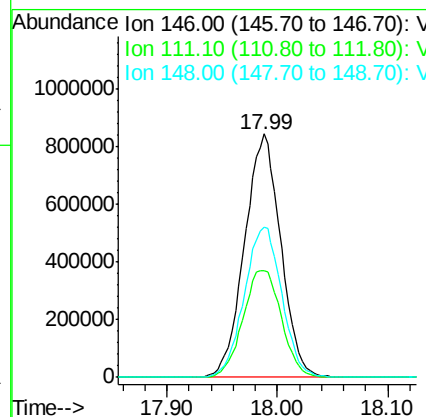
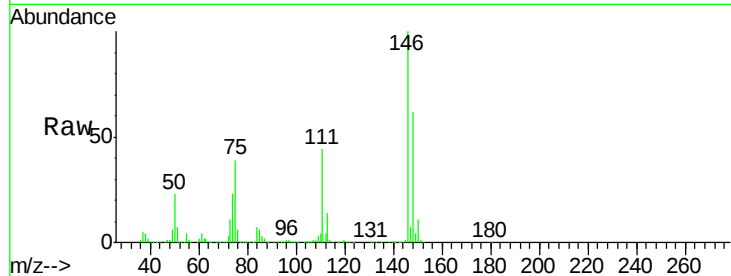
#77
 1,2-Dichlorobenzene
 Concen: 9.732 ppbv
 RT: 17.99 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.0
148	64.2	31.9	95.9

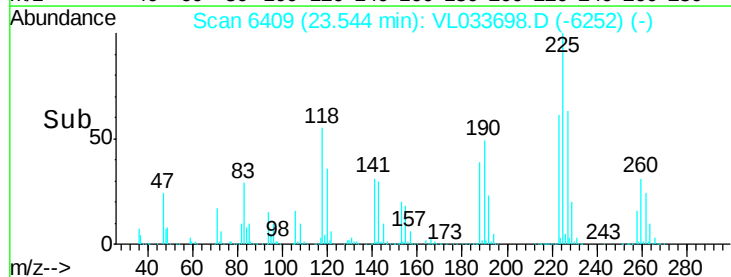
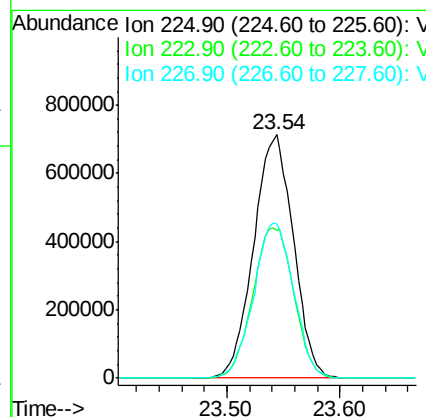
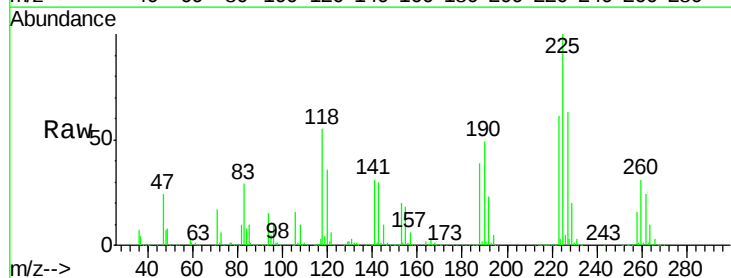
Manual Integrations
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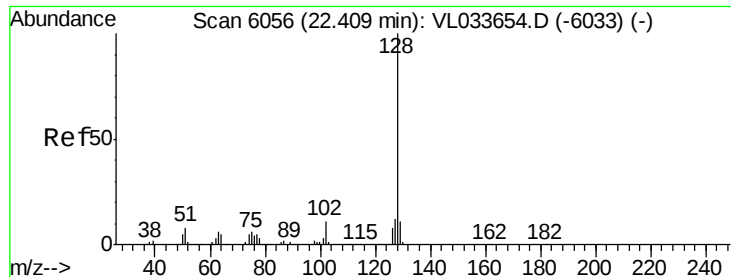
MMDadoda
 5/16/2019 5:41:21 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.168 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.7	76.1
227	64.2	51.4	77.2





#79

Naphthalene

Concen: 12.352 ppbv

RT: 22.41 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3963864

Ion Ratio Lower Upper

128 100

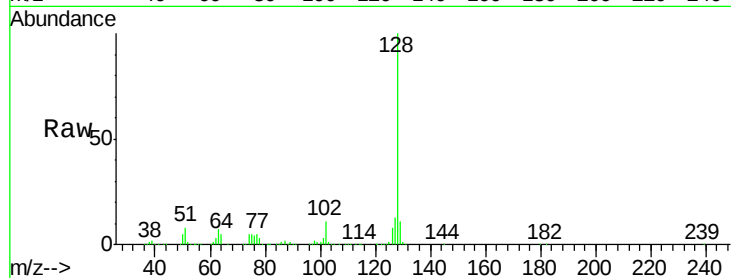
127 12.8 9.8 14.8

129 11.4 8.8 13.2

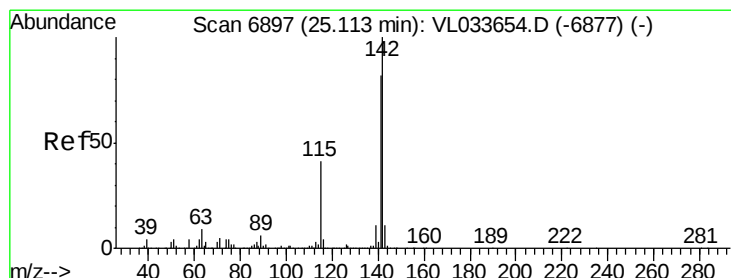
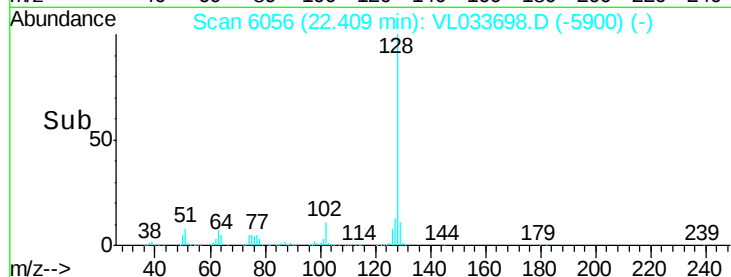
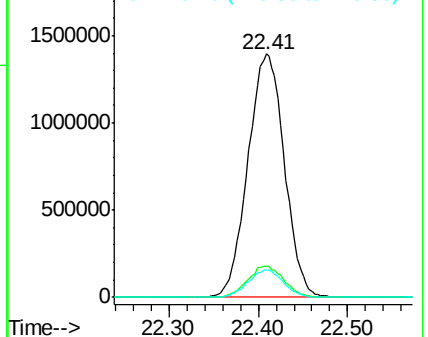
Manual Integrations
APPROVED

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



#80

Naphthalene, 2-methyl-

Concen: 15.873 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL033698.D

Acq: 14 May 2019 19:32

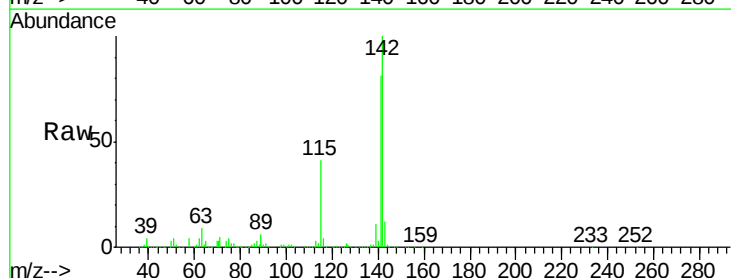
Tgt Ion:142 Resp: 1925616

Ion Ratio Lower Upper

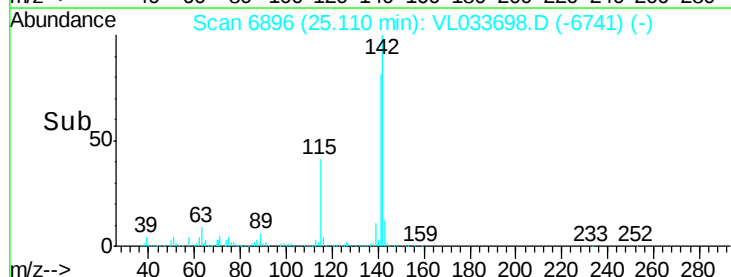
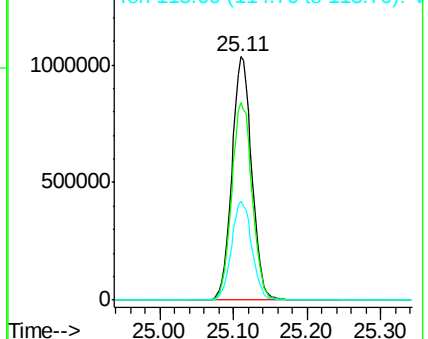
142 100

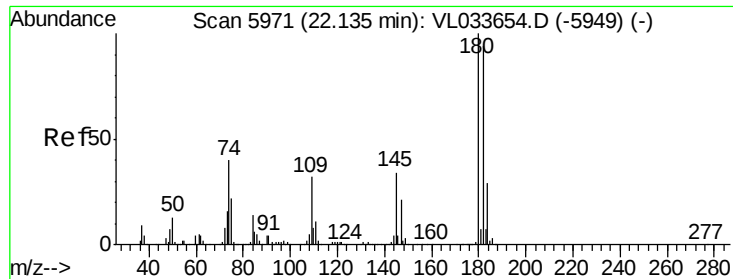
141 83.5 67.9 101.9

115 41.9 34.2 51.4



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





#81
 1,2,4-Trichlorobenzene
 Concen: 10.924 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033698.D
 Acq: 14 May 2019 19:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.0
184	30.6	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:21 AM

