

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080519\
 Data File : VL034095.D
 Acq On : 5 Aug 2019 21:07
 Operator : SY/AP
 Sample : VL0805ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 12:41:52 PM

Quant Time: Aug 06 15:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 06 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1130215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	2325670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2367761m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2012981	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1331486	9.572	ppbv	100
3) Chlorodifluoromethane	2.99	51	1067052	8.164	ppbv	100
4) Chloromethane	3.14	50	693948	8.236	ppbv	97
5) Vinyl Chloride	3.26	62	619170	8.340	ppbv	99
6) Bromomethane	3.48	94	335022	8.733	ppbv	97
7) Chloroethane	3.57	64	228498	8.215	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	1294677	8.069	ppbv	96
9) Propene	3.01	41	632982	8.215	ppbv	98
10) Heptane	8.19	43	1612015	8.088	ppbv	99
11) Trichlorofluoromethane	3.97	101	1332943	8.083	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	940084	8.079	ppbv	98
13) Ethanol	3.62	45	113582	5.231	ppbv	98
14) Bromoethene	3.75	108	417955	8.043	ppbv	95
15) Acetone	3.87	43	1144466	7.086	ppbv	100
16) 1,3-Butadiene	3.33	39	643607	8.195	ppbv	100
17) tert-Butyl alcohol	4.32	59	1200245	7.964	ppbv	100
18) 1,1-Dichloroethene	4.31	96	443817	8.064	ppbv	97
19) Isopropyl Alcohol	3.99	45	927022	7.372	ppbv	98
20) Methylene Chloride	4.37	84	385650	7.963	ppbv	93
21) Allyl Chloride	4.44	41	909962	8.140	ppbv	99
22) trans-1,2-Dichloroethene	4.92	96	439007	8.209	ppbv	99
23) Vinyl Acetate	5.11	43	2081854	7.774	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1294520	8.125	ppbv	100
25) Ethyl Acetate	5.72	43	2488888	7.835	ppbv	100
26) Hexane	5.73	57	1072301	7.964	ppbv	99
27) Carbon Disulfide	4.58	76	1184857	8.346	ppbv	99
28) Methyl tert-Butyl Ether	5.07	73	1812846	8.051	ppbv	99
29) Chloroform	5.81	83	1510094	8.250	ppbv	97
30) Cyclohexane	7.20	84	898861	8.451	ppbv	98
31) cis-1,2-Dichloroethene	5.60	61	1103871	8.300	ppbv	98
32) 1,1,1-Trichloroethane	6.57	97	1467298	8.100	ppbv	100
34) 2-Butanone	5.29	43	1726358	7.984	ppbv	98
35) Carbon Tetrachloride	7.08	117	1408901	7.893	ppbv	98
36) Benzene	6.96	78	2146667	8.121	ppbv	97
37) 1,2-Dichloroethane	6.37	62	1187546	8.350	ppbv	99
38) Trichloroethene	7.91	130	734279	7.173	ppbv	98
39) 1,2-Dichloropropane	7.69	63	889910	8.344	ppbv	96
40) 1,4-Dioxane	7.90	88	311364	7.737	ppbv #	98
41) Tetrahydrofuran	6.10	42	1103130	8.293	ppbv	99
42) Bromodichloromethane	7.87	83	1667193	8.362	ppbv	100
43) Methyl Methacrylate	8.09	69	906956	8.365	ppbv	99

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 06 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3666259	7.747	ppbv	99
45) t-1,3-Dichloropropene	9.36	75	1169811	8.511	ppbv	100
46) cis-1,3-Dichloropropene	8.79	75	1344747	8.478	ppbv	99
47) 1,1,2-Trichloroethane	9.57	97	851353	8.349	ppbv	97
48) Dibromochloromethane	10.40	129	1339572	8.193	ppbv	100
49) Bromoform	13.15	173	1206263	8.251	ppbv	99
50) 4-Methyl-2-Pentanone	8.82	43	2609939	7.931	ppbv	100
51) 2-Hexanone	10.22	43	2240031	8.100	ppbv #	99
52) Tetrachloroethene	11.32	164	739424	7.244	ppbv	94
53) Toluene	9.89	91	2463311	8.075	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1272922	8.240	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.22	131	894734	8.265	ppbv	95
57) Chlorobenzene	12.25	112	1704947	7.996	ppbv	97
58) Ethyl Benzene	12.81	91	3237014	8.130	ppbv	100
59) m/p-Xylene	13.09	91	5177778m	16.201	ppbv	
60) o-Xylene	13.80	91	2559895	8.015	ppbv	100
61) Styrene	13.63	104	2092343	8.254	ppbv	99
62) Isopropylbenzene	14.77	105	3413661	7.963	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.78	83	1814907	7.867	ppbv	100
64) n-propylbenzene	15.67	120	932144	8.227	ppbv	97
65) tert-Butylbenzene	16.85	119	2966045	7.767	ppbv	98
66) Benzyl Chloride	17.10	91	1774165	8.393	ppbv	98
67) sec-Butylbenzene	17.41	105	4187362	7.770	ppbv	99
69) p-Isopropyltoluene	17.76	119	3499157	7.871	ppbv	99
70) n-Butylbenzene	18.66	91	3879174	8.090	ppbv	98
71) 2-Chlorotoluene	15.56	91	2774320	8.048	ppbv	99
72) 4-Ethyltoluene	15.95	105	3042889	8.095	ppbv	99
73) 1,3,5-Trimethylbenzene	16.10	105	2931417	8.107	ppbv	98
74) 1,2,4-Trimethylbenzene	16.87	105	2943377	7.824	ppbv	95
75) 1,3-Dichlorobenzene	17.11	146	1697451	8.056	ppbv	99
76) 1,4-Dichlorobenzene	17.25	146	1746273	8.111	ppbv	99
77) 1,2-Dichlorobenzene	17.93	146	1691598	8.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.48	225	1170527	7.109	ppbv	99
79) Naphthalene	22.34	128	2983492	7.637	ppbv	98
80) Naphthalene, 2-methyl-	25.07	142	690287	5.634	ppbv	99
81) 1,2,4-Trichlorobenzene	22.06	180	1698861	7.833	ppbv	100

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

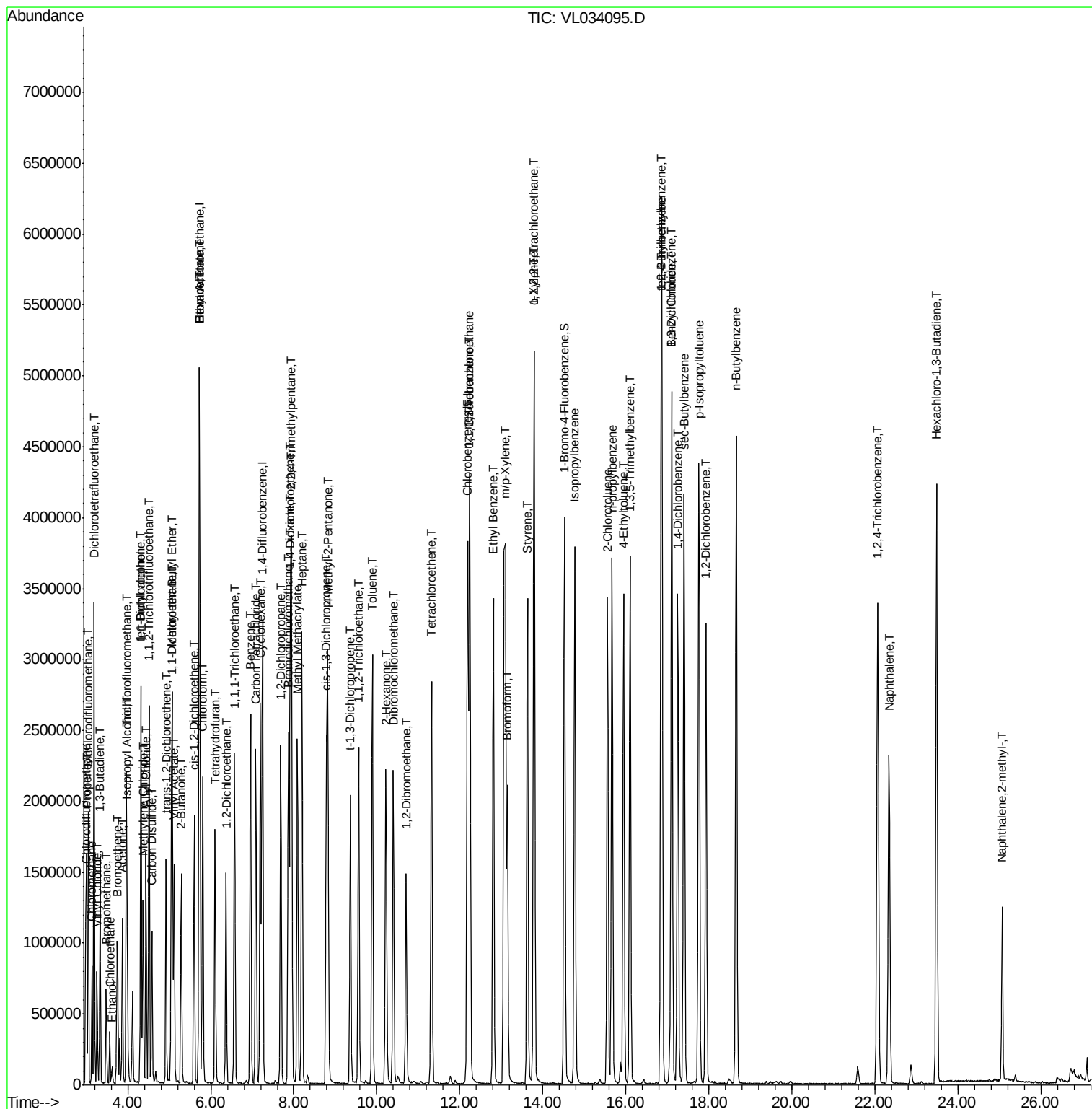
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080519\
Data File : VL034095.D
Acq On    : 5 Aug 2019 21:07
Operator  : SY/AP
Sample    : VL0805ABS01
Misc      : 400ml/MSVOA L
ALS Vial  : 1 Sample Multiplier: 1
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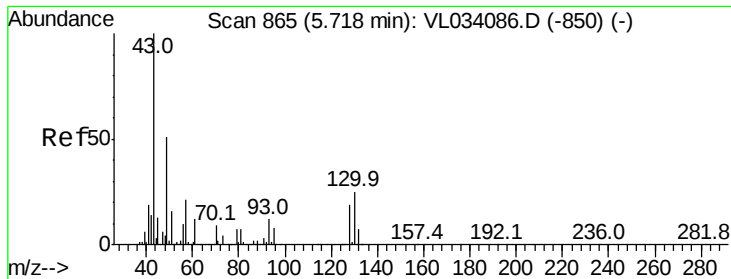
Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Manual Integrations APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 865

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 49 Resp: 1130215

Ion Ratio Lower Upper

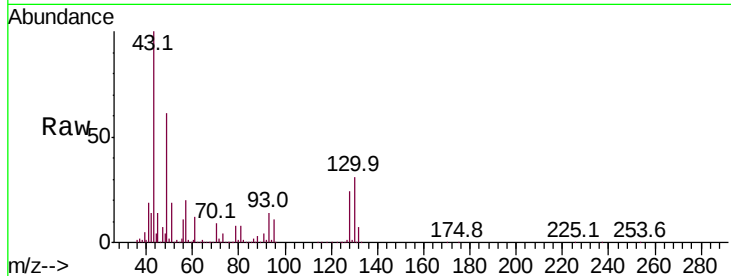
49 100

128 39.2 19.5 58.5

130 50.2 25.4 76.0

Manual Integrations
APPROVED

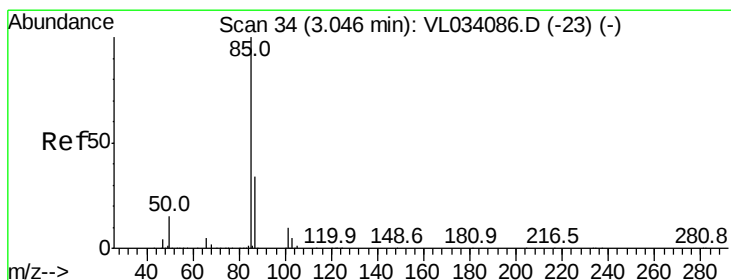
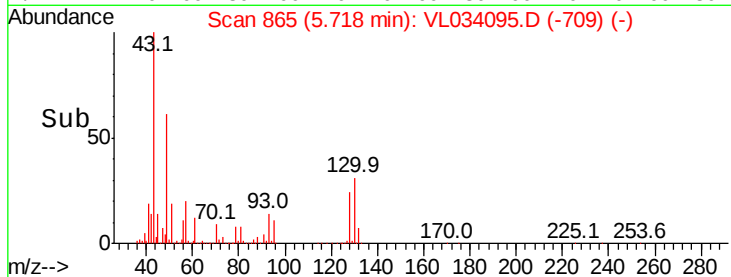
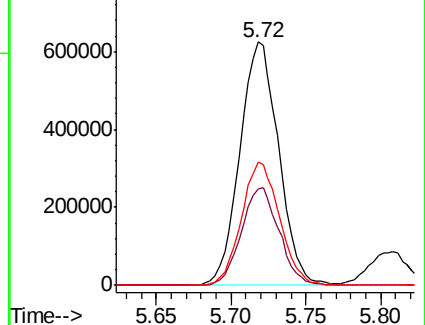
MMDadoda
8/8/2019 12:41:52 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.572 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL034095.D

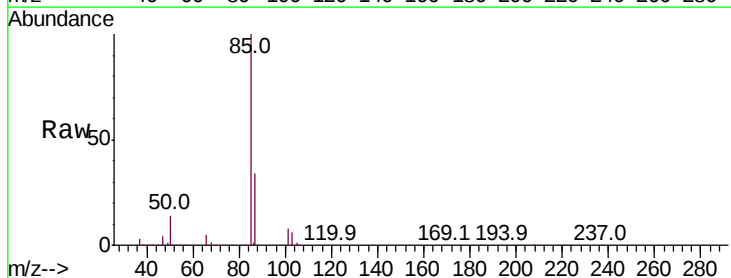
Acq: 5 Aug 2019 21:07

Tgt Ion: 85 Resp: 1331486

Ion Ratio Lower Upper

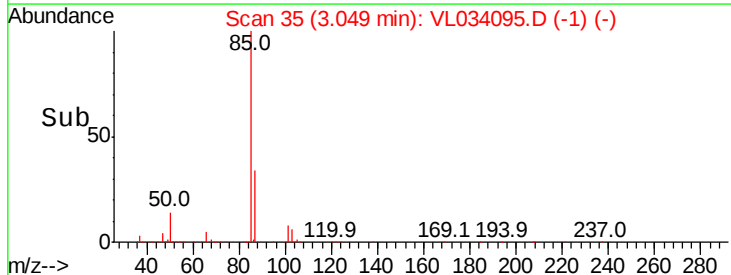
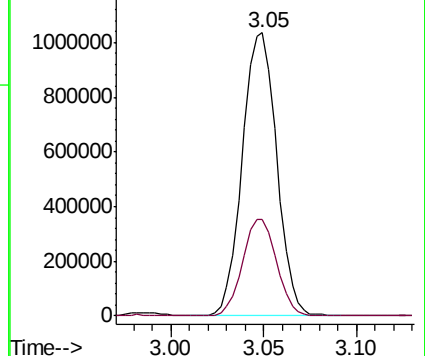
85 100

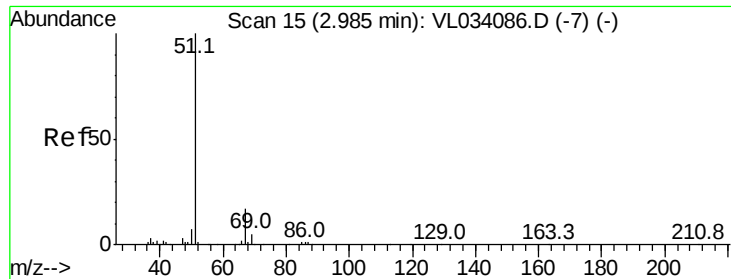
87 33.9 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.164 ppbv

RT: 2.99 min Scan# 15

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tot Ion: 51 Resp: 1067052

Ion Ratio Lower Upper

51 100

67 16.6 13.3 19.9

Instrument :

MSVOA_L

ClientSampleId :

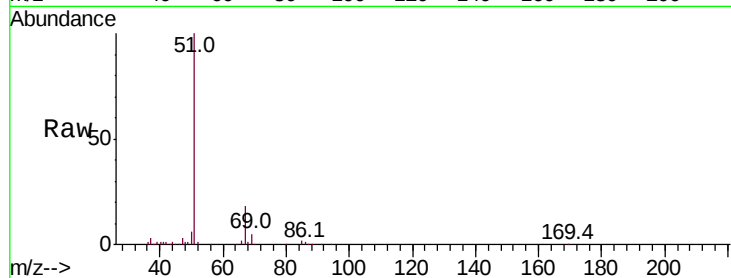
VL0805ABS01

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

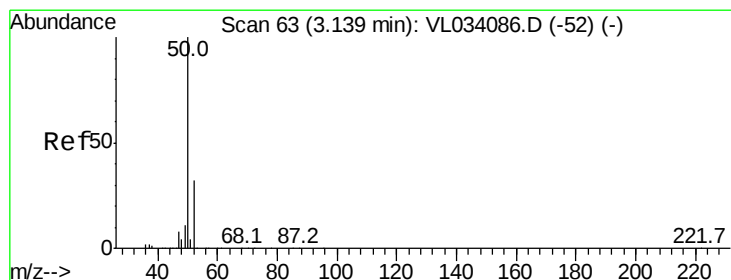
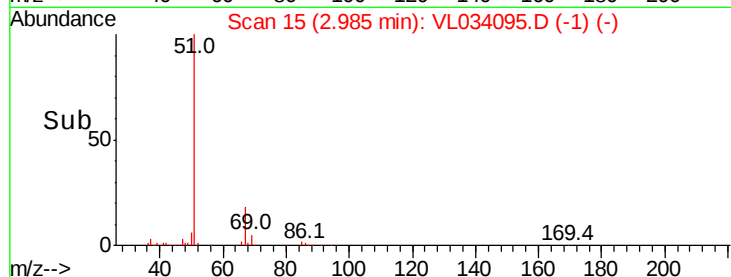
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 8.236 ppbv

RT: 3.14 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL034095.D

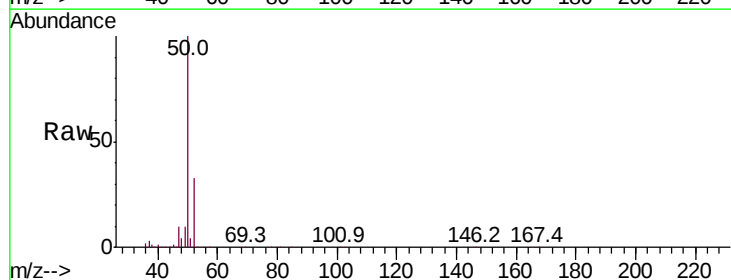
Acq: 5 Aug 2019 21:07

Tgt Ion: 50 Resp: 693948

Ion Ratio Lower Upper

50 100

52 33.5 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

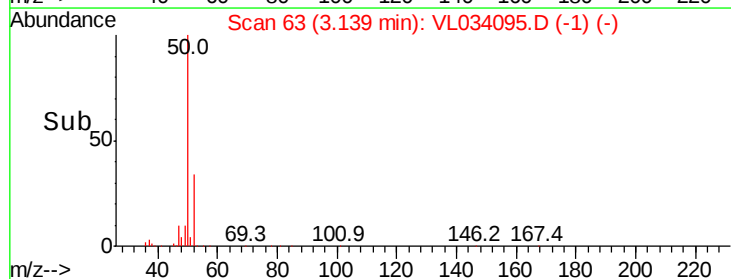
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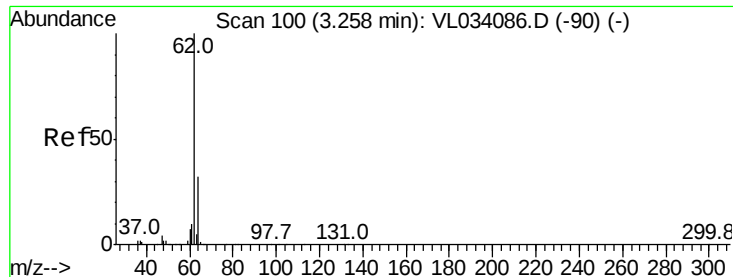
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.340 ppbv

RT: 3.26 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleID :

VL0805ABS01

Tot Ion: 62 Resp: 619170

Ion Ratio Lower Upper

62 100

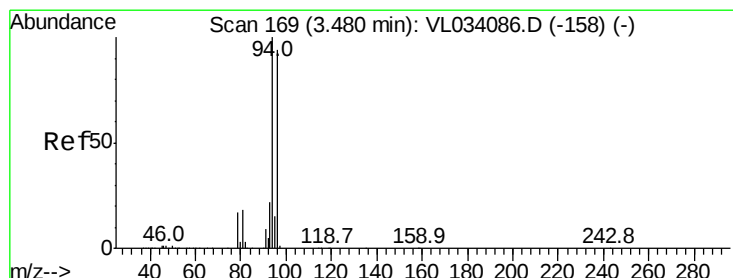
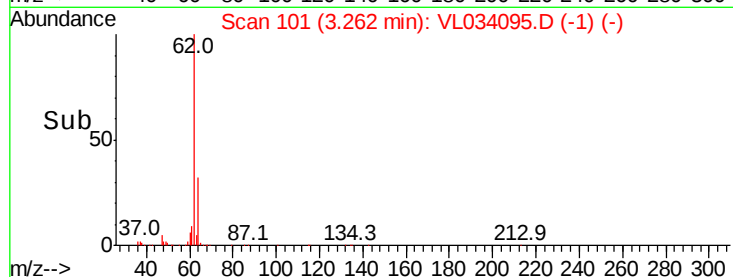
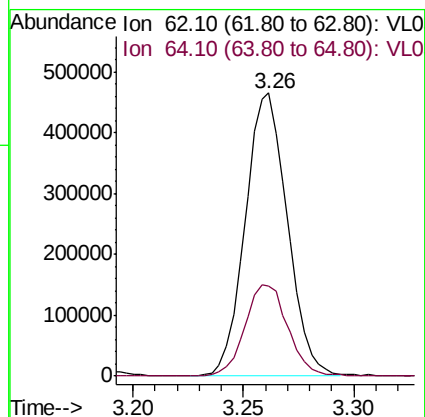
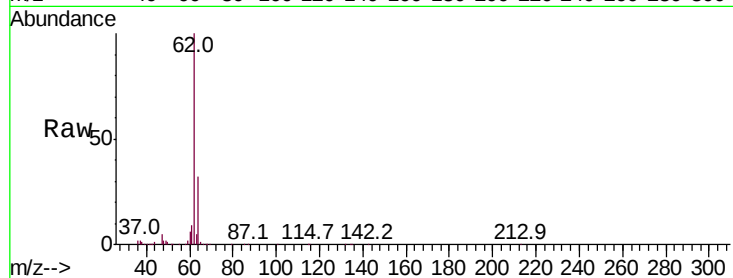
64 31.9 25.8 38.6

Manual Integrations

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#6

Bromomethane

Concen: 8.733 ppbv

RT: 3.48 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL034095.D

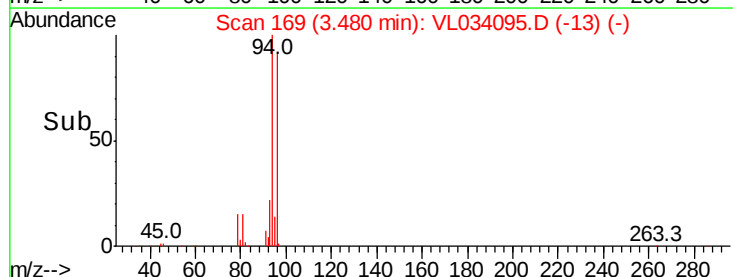
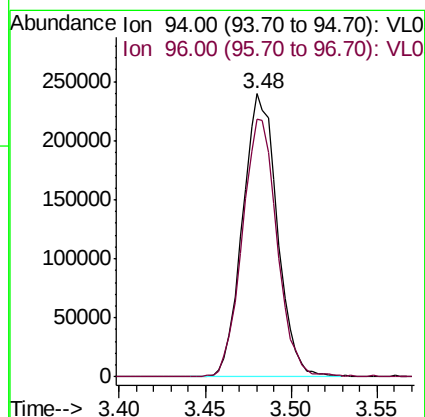
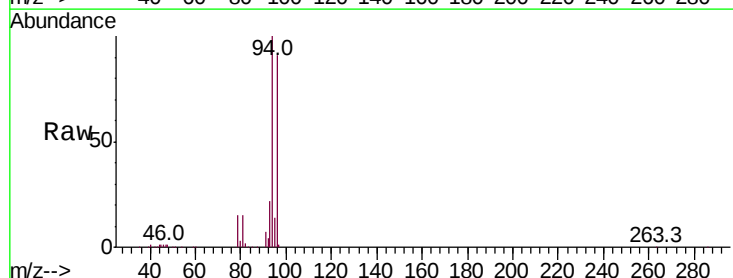
Acq: 5 Aug 2019 21:07

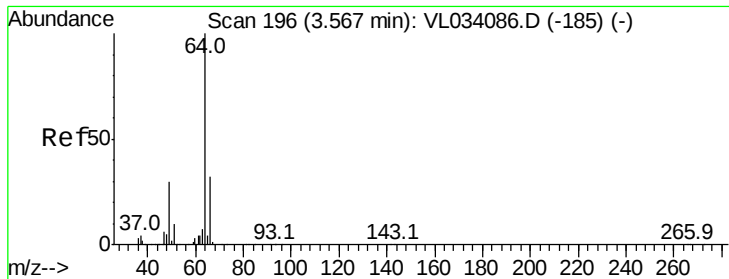
Tgt Ion: 94 Resp: 335022

Ion Ratio Lower Upper

94 100

96 91.0 75.3 112.9





#7

Chloroethane

Concen: 8.215 ppbv

RT: 3.57 min Scan# 196

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 64 Resp: 228498

Ion Ratio Lower Upper

64 100

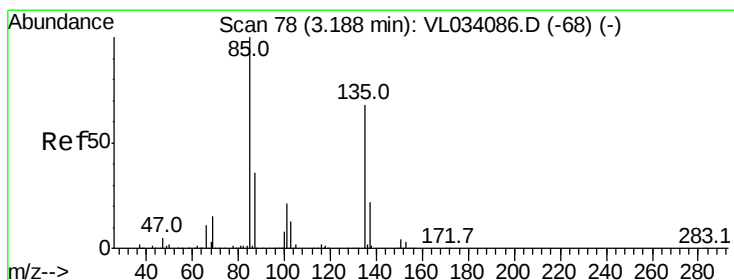
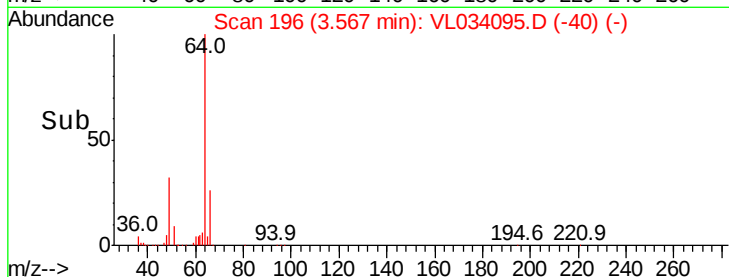
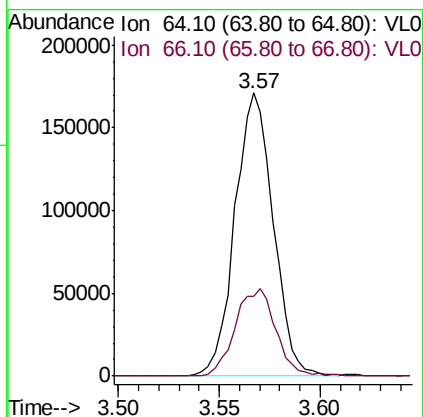
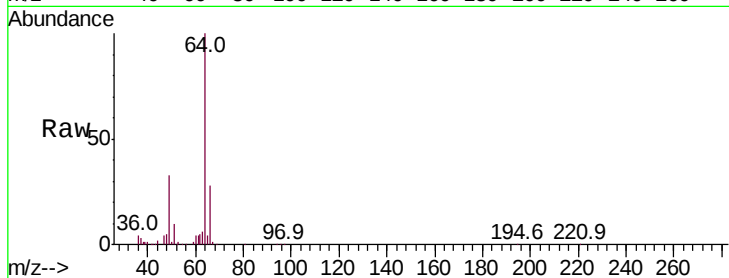
66 28.3 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.069 ppbv

RT: 3.19 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL034095.D

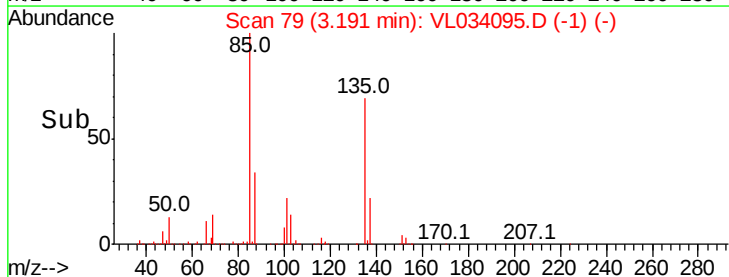
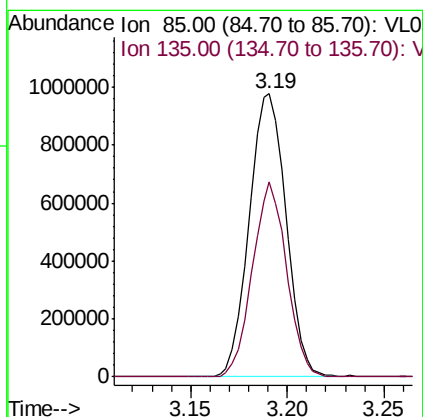
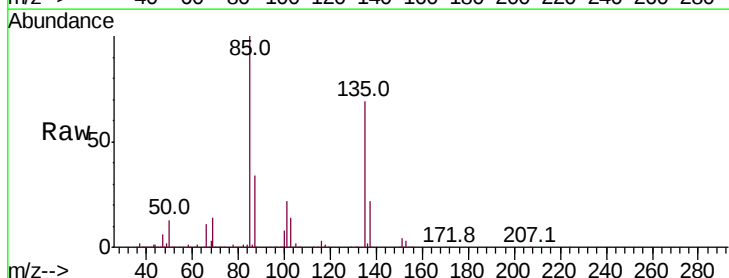
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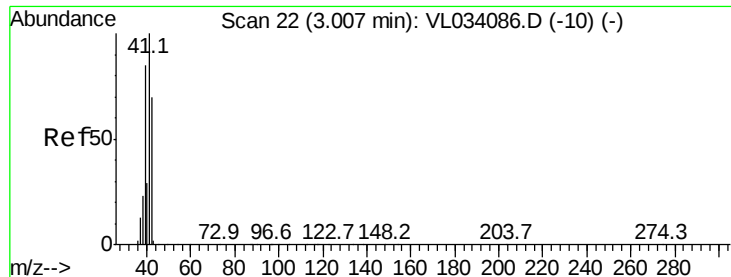
Tgt Ion: 85 Resp: 1294677

Ion Ratio Lower Upper

85 100

135 64.2 54.0 81.0





#9

Propene

Concen: 8.215 ppbv

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 41 Resp: 632982

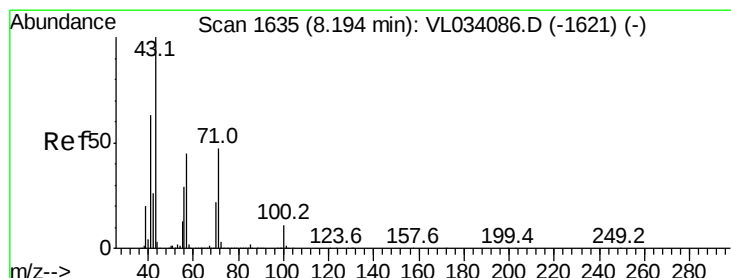
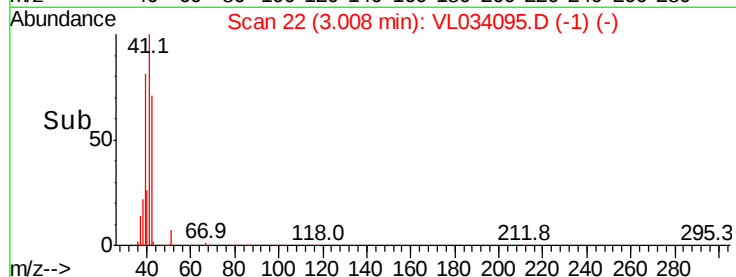
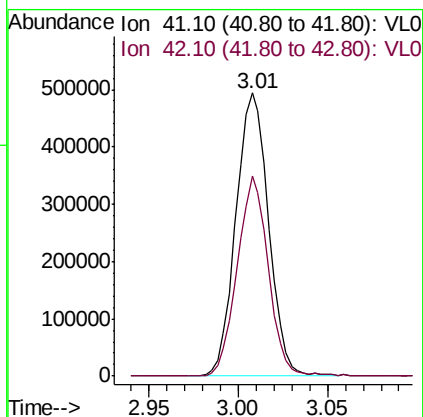
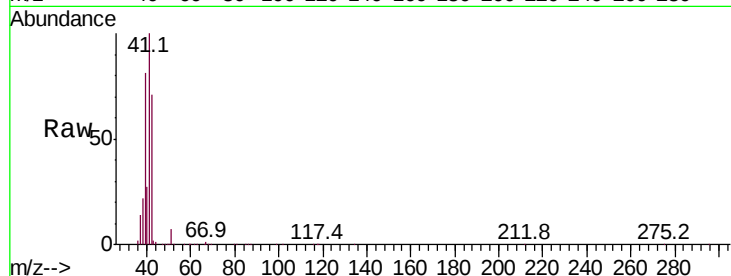
Ion Ratio Lower Upper

41 100

42 67.7 55.8 83.6

Manual Integrations
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8/8/2019 12:41:52 PM



#10

Heptane

Concen: 8.088 ppbv

RT: 8.19 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VL034095.D

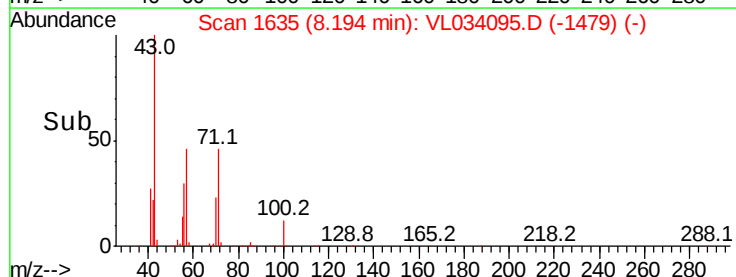
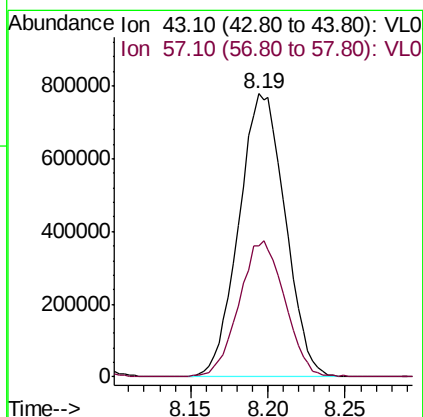
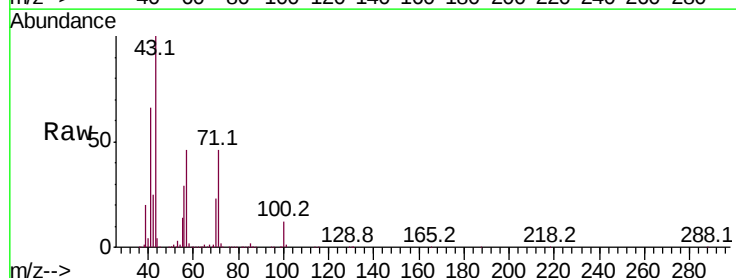
Acq: 5 Aug 2019 21:07

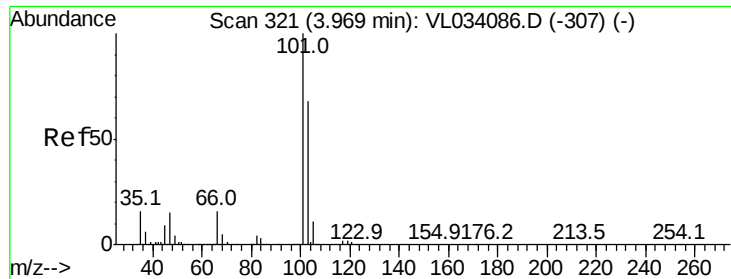
Tgt Ion: 43 Resp: 1612015

Ion Ratio Lower Upper

43 100

57 47.4 37.2 55.8





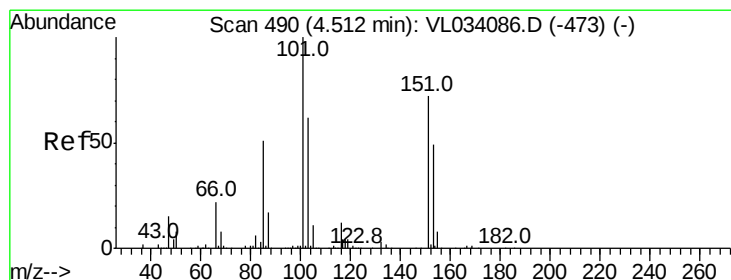
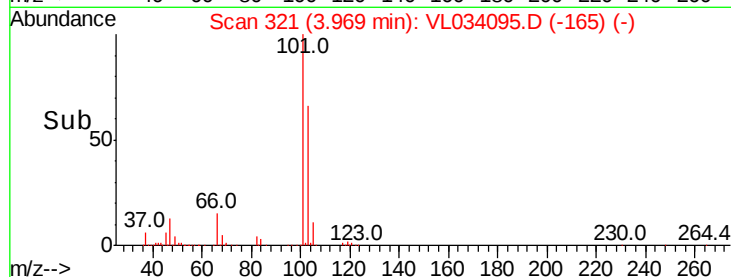
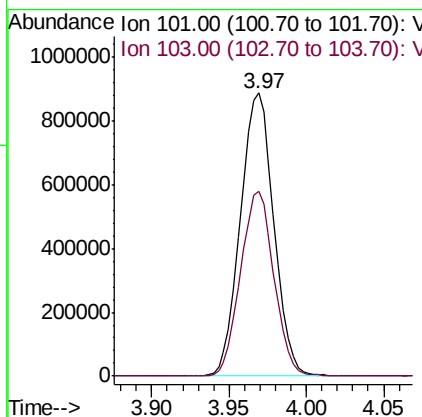
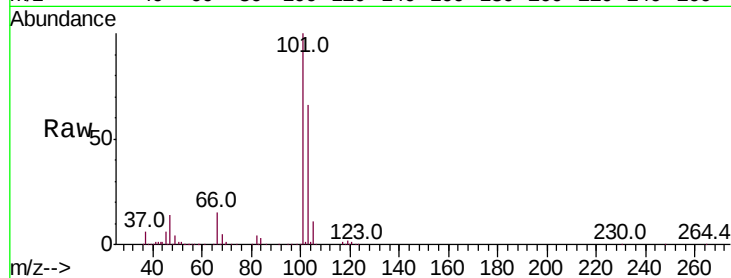
#11
 Trichlorofluoromethane
 Concen: 8.083 ppbv
 RT: 3.97 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion:101 Resp: 1332943
 Ion Ratio Lower Upper
 101 100
 103 65.5 54.3 81.5

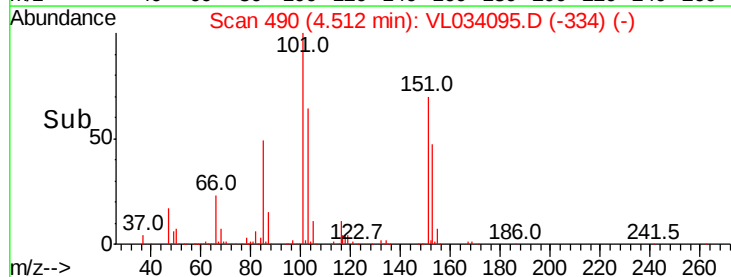
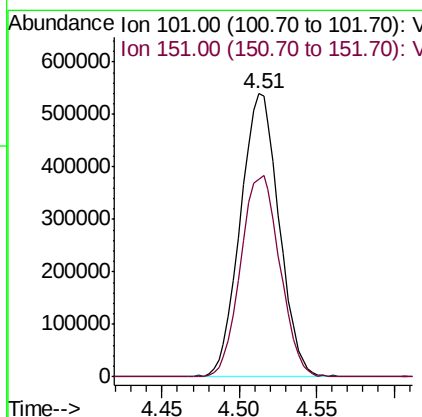
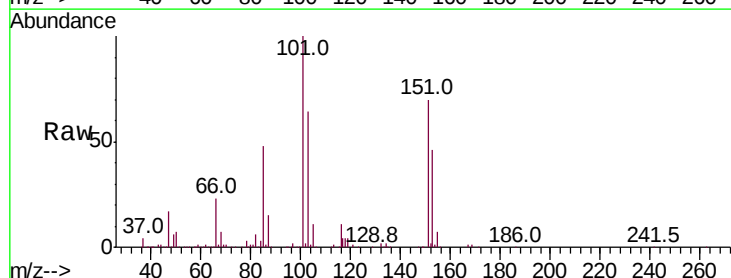
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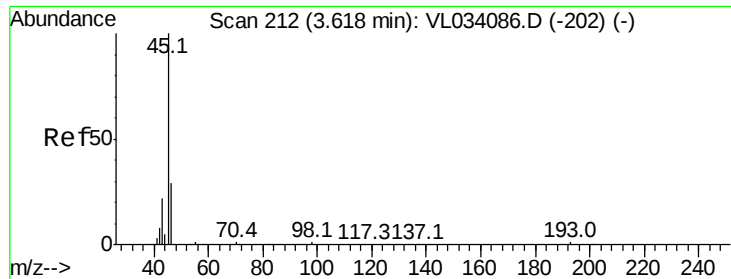
MMDadoda
 8/8/2019 12:41:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.079 ppbv
 RT: 4.51 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion:101 Resp: 940084
 Ion Ratio Lower Upper
 101 100
 151 72.2 59.4 89.0





#13

Ethanol

Concen: 5.231 ppbv

RT: 3.62 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 45 Resp: 113582

Ion Ratio Lower Upper

45 100

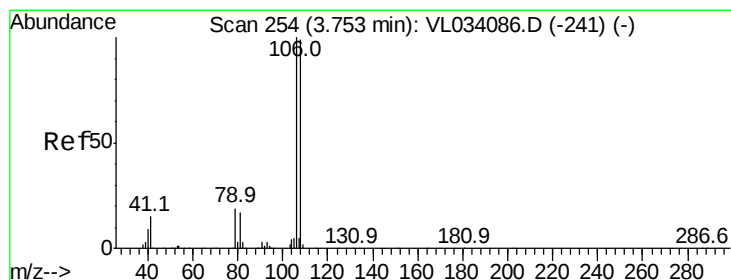
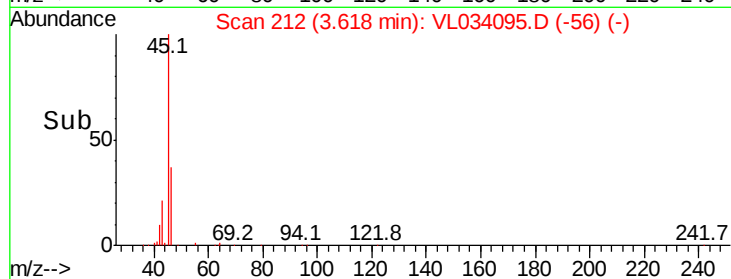
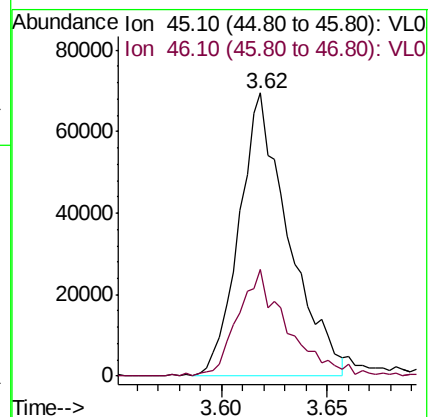
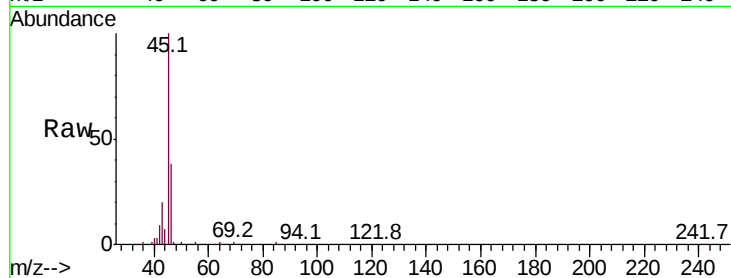
46 38.7 14.9 59.5

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#14

Bromoethene

Concen: 8.043 ppbv

RT: 3.75 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

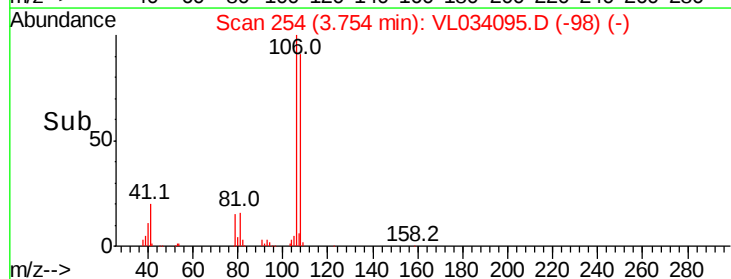
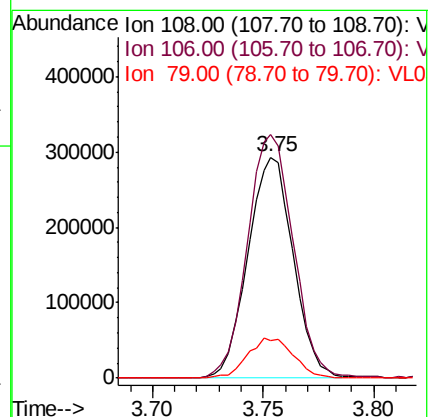
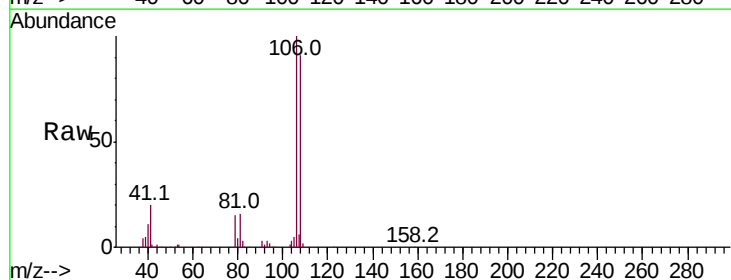
Tgt Ion: 108 Resp: 417955

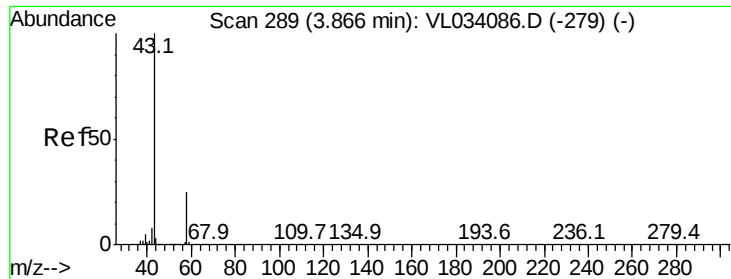
Ion Ratio Lower Upper

108 100

106 112.4 85.0 127.6

79 18.6 15.8 23.8





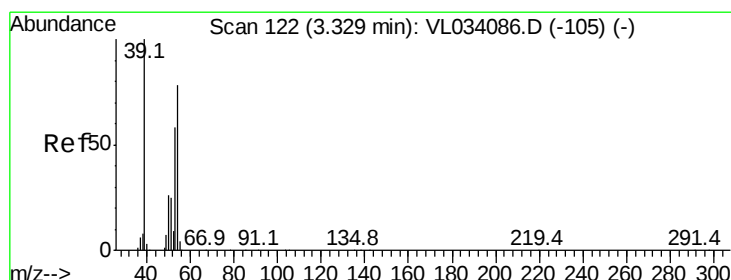
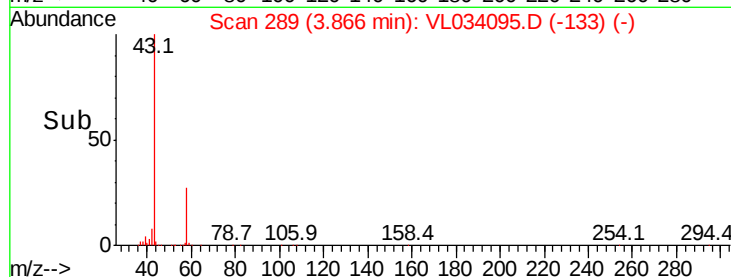
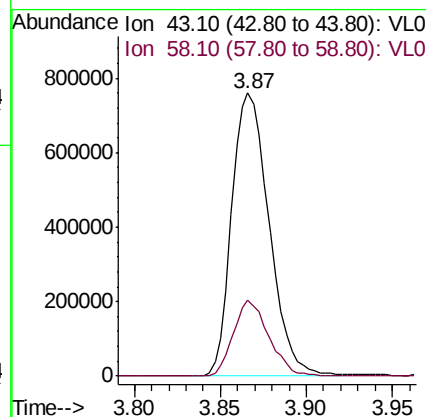
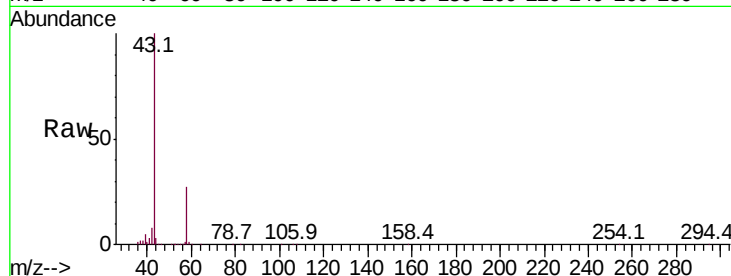
#15
Acetone
Concen: 7.086 ppbv
RT: 3.87 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion: 43 Resp: 1144466
Ion Ratio Lower Upper
43 100
58 25.9 20.6 30.8

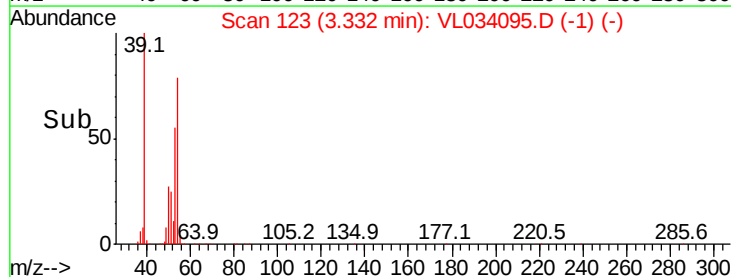
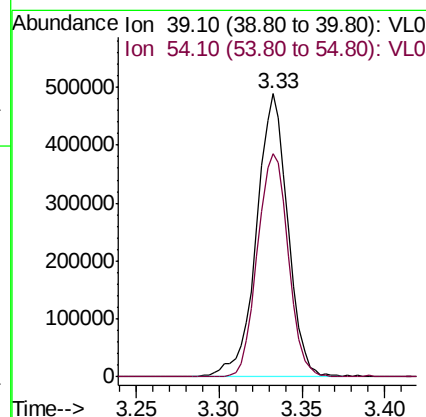
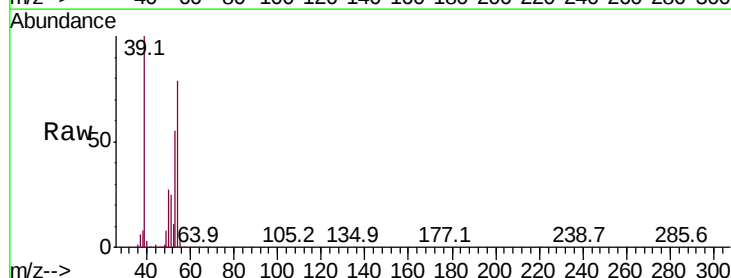
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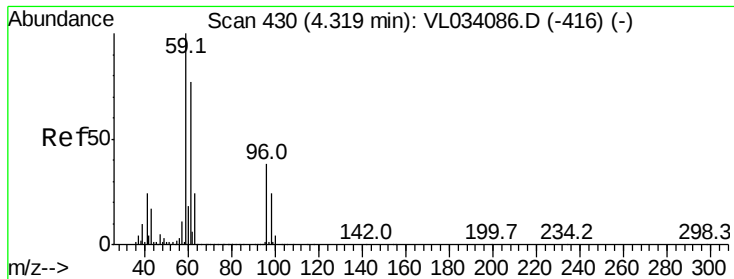
MMDadoda
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#16
1,3-Butadiene
Concen: 8.195 ppbv
RT: 3.33 min Scan# 123
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 39 Resp: 643607
Ion Ratio Lower Upper
39 100
54 78.2 62.7 94.1





#17

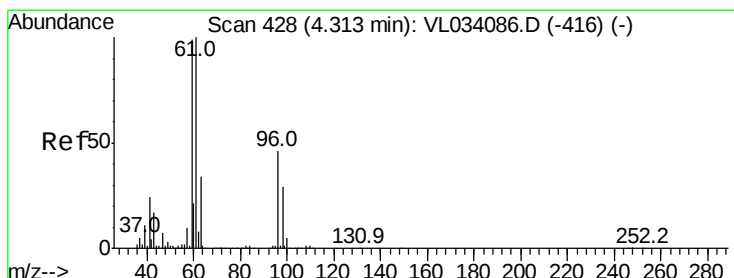
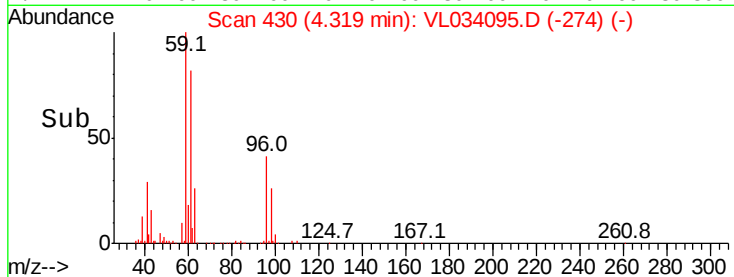
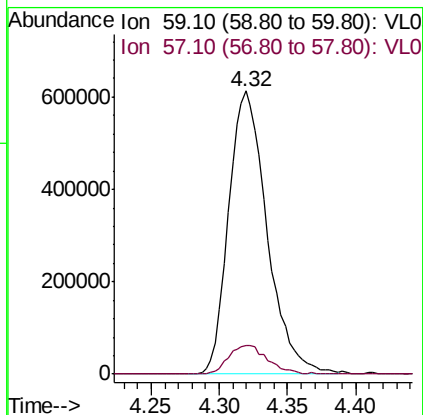
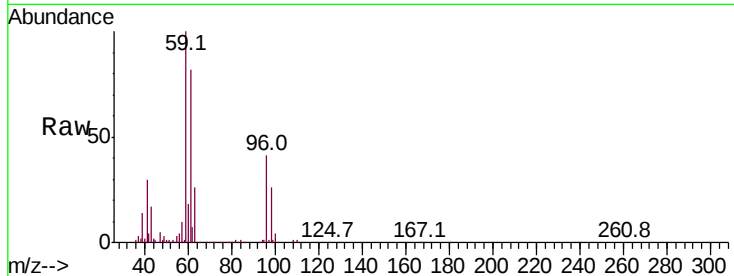
tert-Butyl alcohol
 Concen: 7.964 ppbv
 RT: 4.32 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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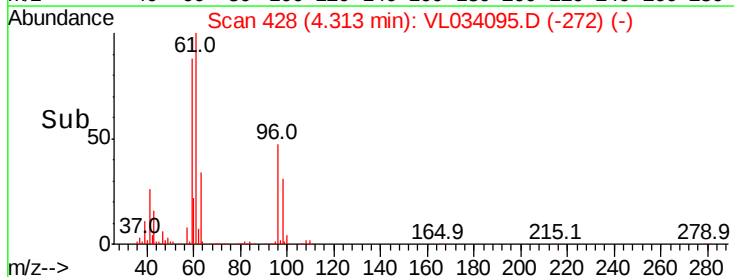
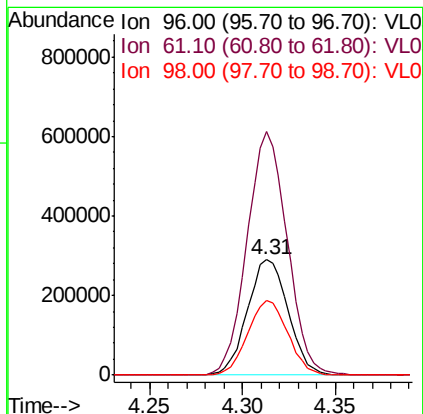
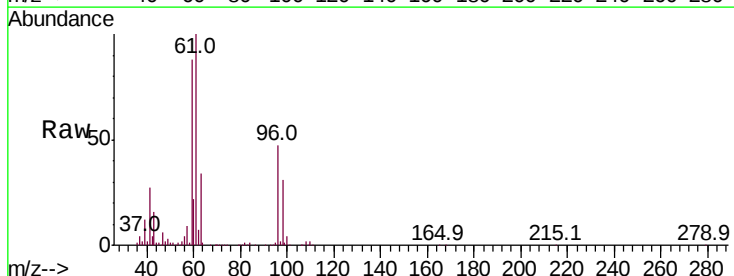
MMDadoda
 8/8/2019 12:41:52 PM

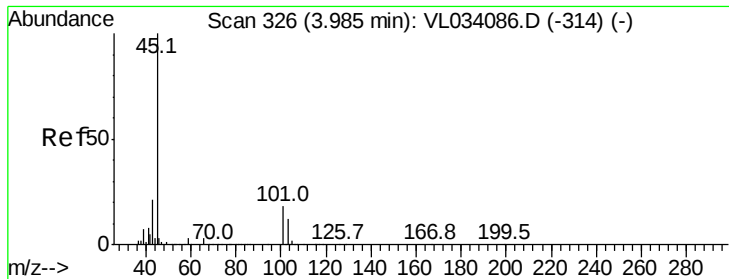


#18

1,1-Dichloroethene
 Concen: 8.064 ppbv
 RT: 4.31 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	211.0	173.1	259.7
98	64.4	50.3	75.5





#19

Isopropyl Alcohol

Concen: 7.372 ppbv

RT: 3.99 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 45 Resp: 927022

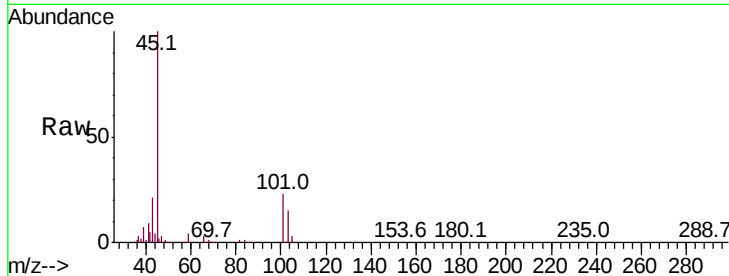
Ion Ratio Lower Upper

45 100

58 32.1 24.6 37.0

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

600000

500000

400000

300000

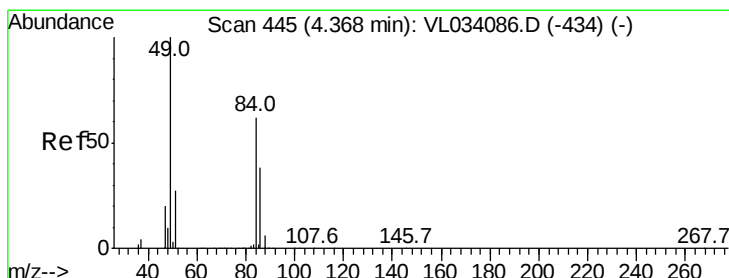
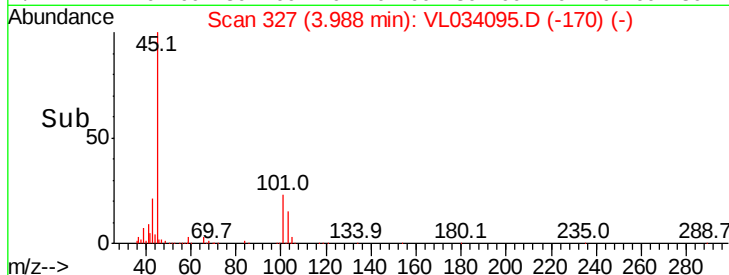
200000

100000

0

3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.963 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion: 84 Resp: 385650

Ion Ratio Lower Upper

84 100

49 171.1 129.7 194.5

51 52.5 35.8 53.8

86 65.7 49.8 74.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

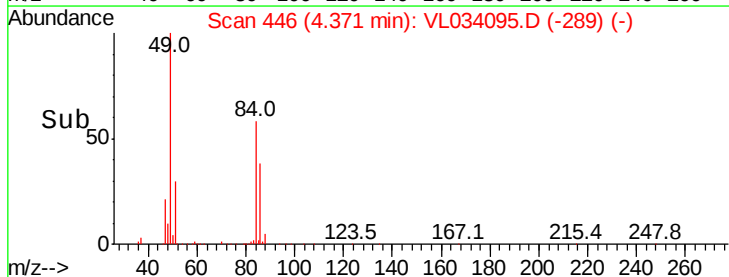
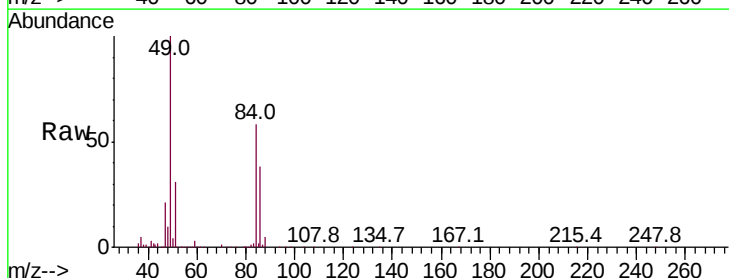
400000

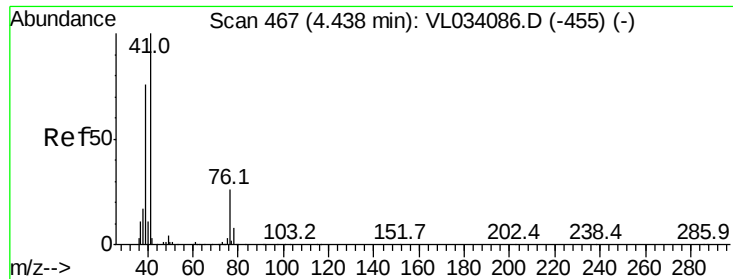
200000

0

4.30 4.35 4.40 4.45

Time-->





#21

Allvl Chloride

Concen: 8.140 ppbv

RT: 4.44 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

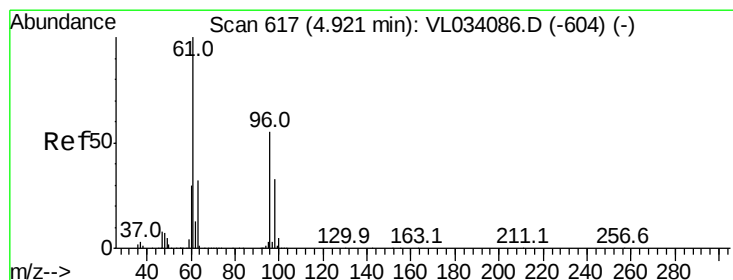
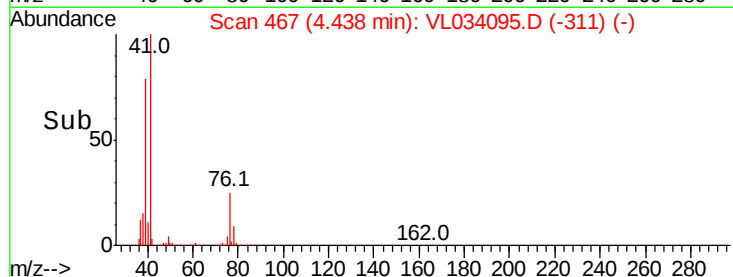
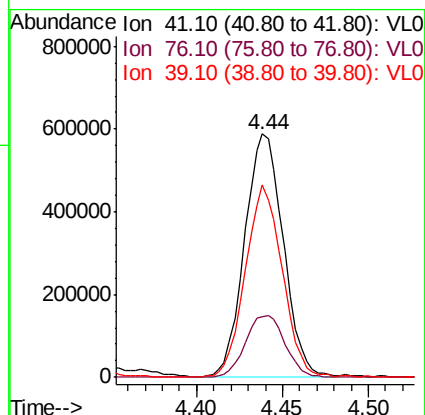
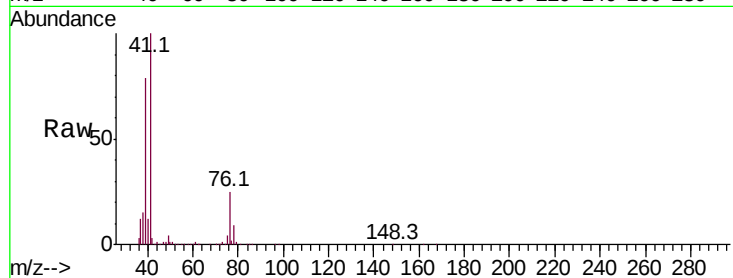
ClientSampleId :

VL0805ABS01

Tot Ion:	41	Resp:	909962
Ion Ratio		Lower	Upper
41	100		
76	26.3	20.8	31.2
39	76.1	61.3	91.9

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#22

trans-1,2-Dichloroethene

Concen: 8.209 ppbv

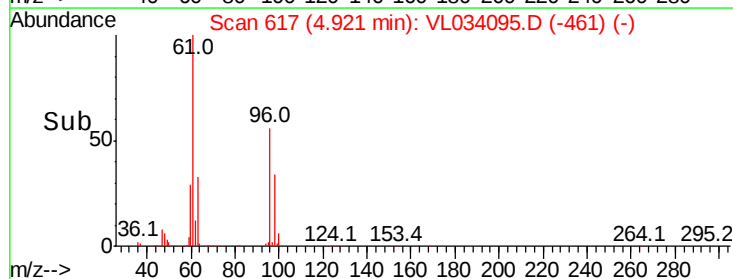
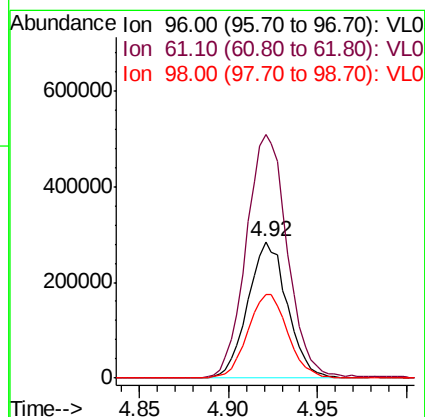
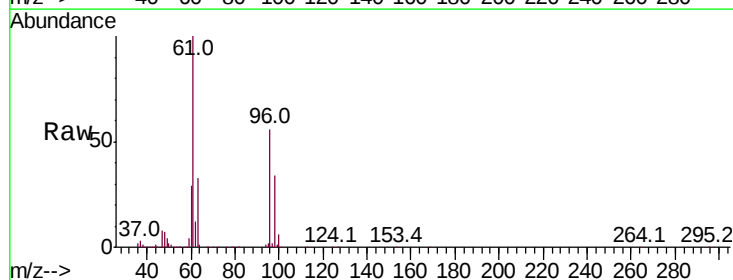
RT: 4.92 min Scan# 617

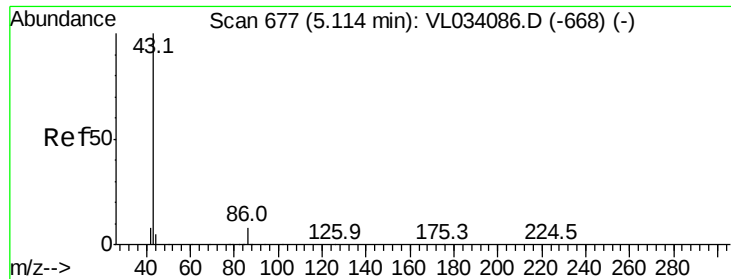
Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion:	96	Resp:	439007
Ion Ratio		Lower	Upper
96	100		
61	178.6	144.2	216.2
98	61.3	48.0	72.0





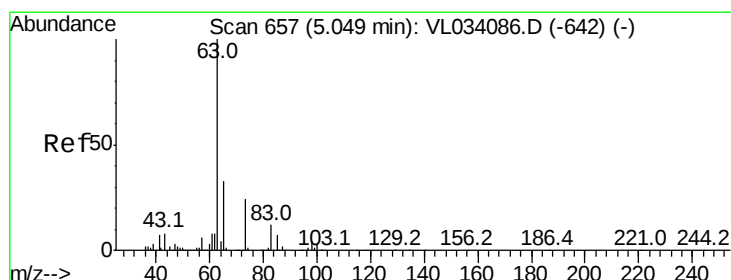
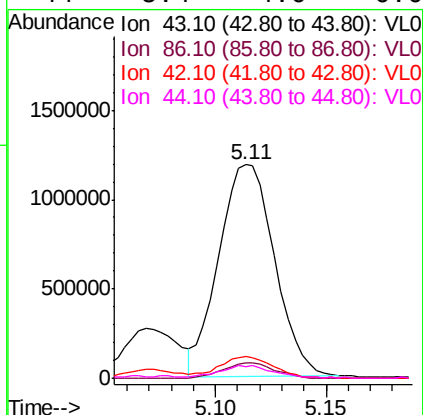
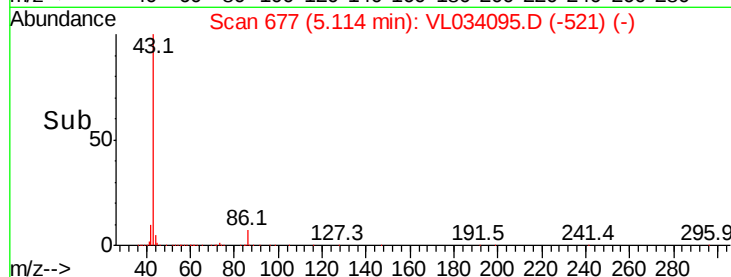
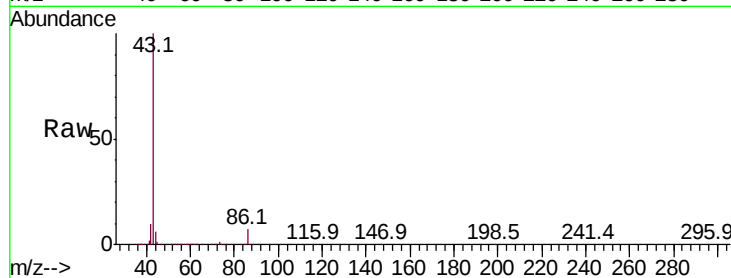
#23
 Vinyl Acetate
 Concen: 7.774 ppbv
 RT: 5.11 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion	43	Resp	2081854
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.4	8.0
42	10.0	7.9	11.9
44	5.4	4.0	6.0

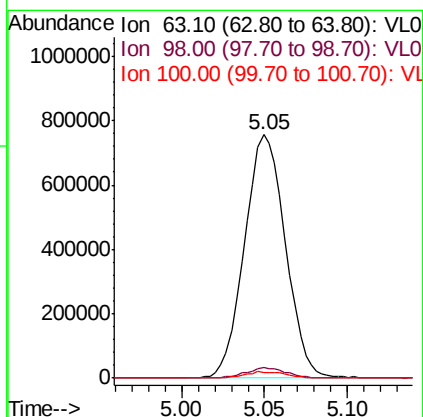
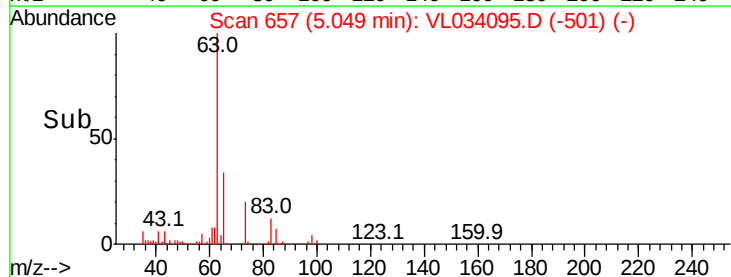
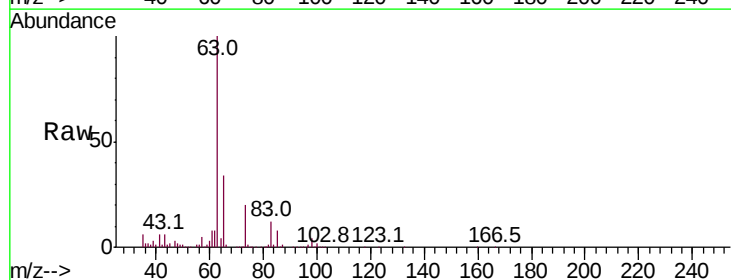
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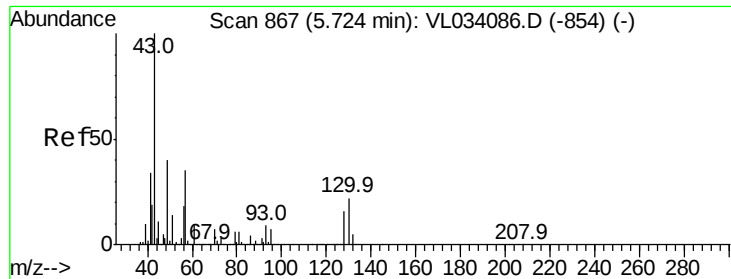
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 8.125 ppbv
 RT: 5.05 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion	63	Resp	1294520
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	6.0
100	2.4	1.3	3.8





#25

Ethyl Acetate

Concen: 7.835 ppbv

RT: 5.72 min Scan# 867

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 43 Resp: 2488888

Ion Ratio Lower Upper

43 100

45 10.6 8.4 12.6

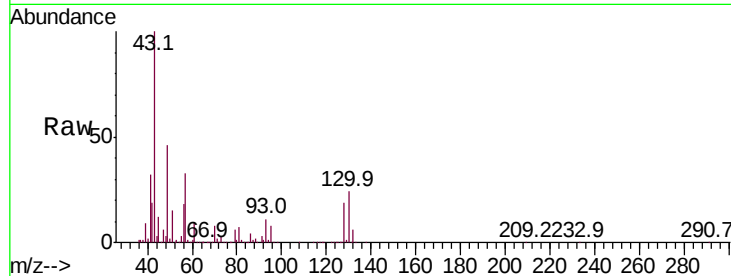
61 9.3 7.3 10.9

70 7.2 5.8 8.6

Manual Integrations
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MMDadoda

8/8/2019 12:41:52 PM

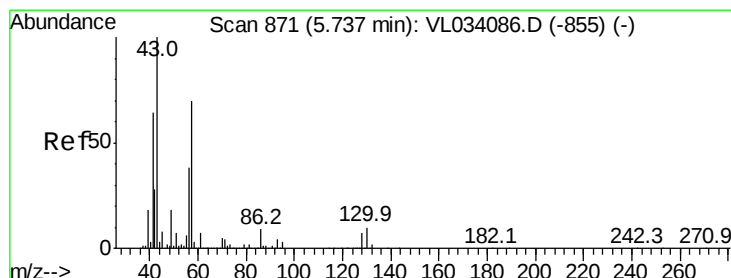
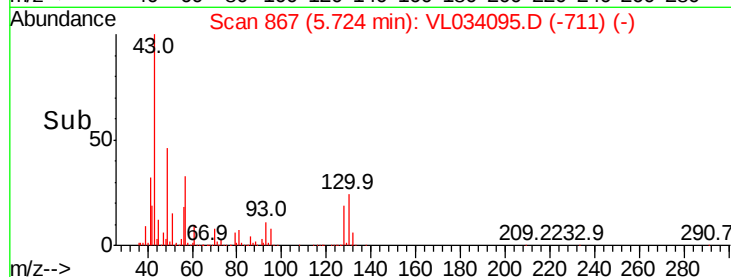
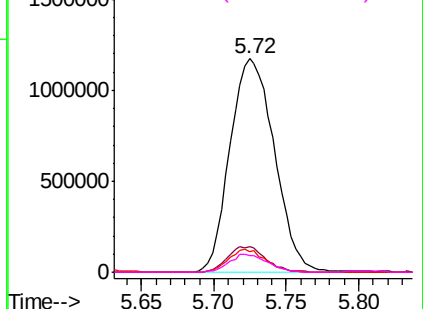


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 7.964 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion: 57 Resp: 1072301

Ion Ratio Lower Upper

57 100

41 94.7 75.7 113.5

43 233.5 189.8 284.8

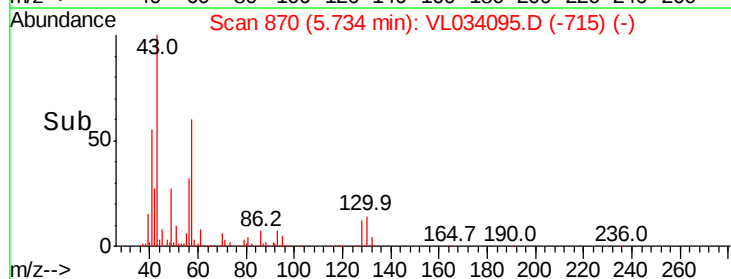
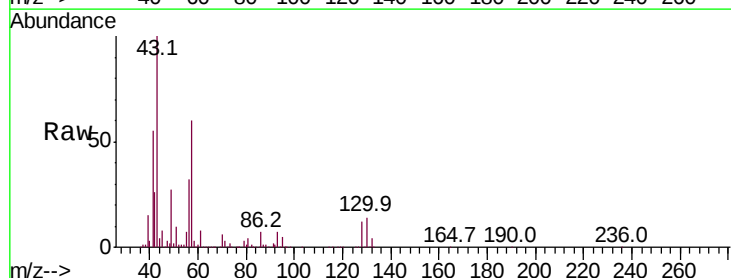
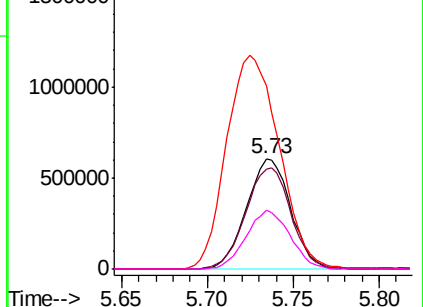
56 53.1 42.7 64.1

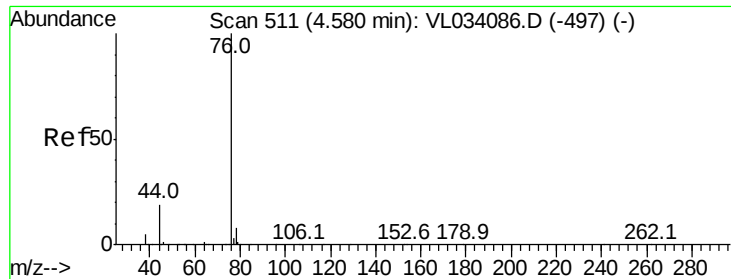
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.346 ppbv

RT: 4.58 min Scan# 511

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 76 Resp: 1184857

Ion Ratio Lower Upper

76 100

44 22.4 17.8 26.6

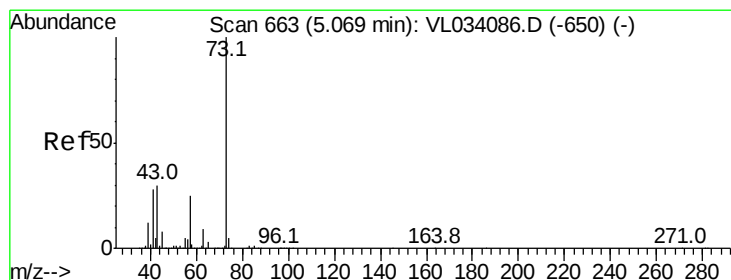
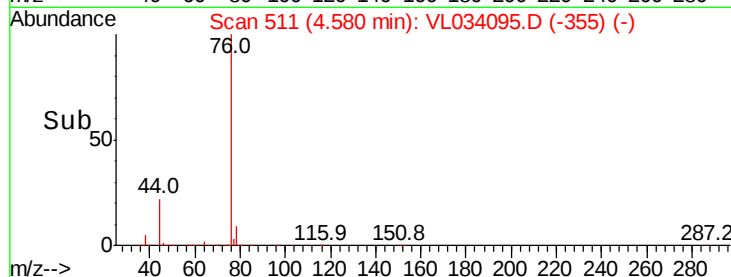
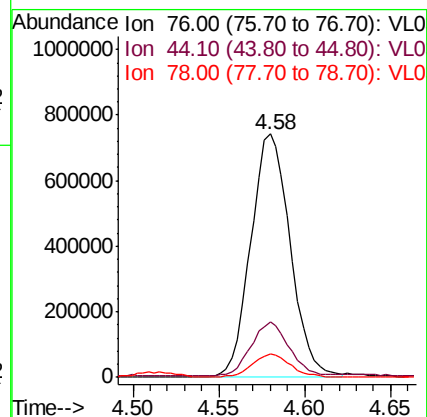
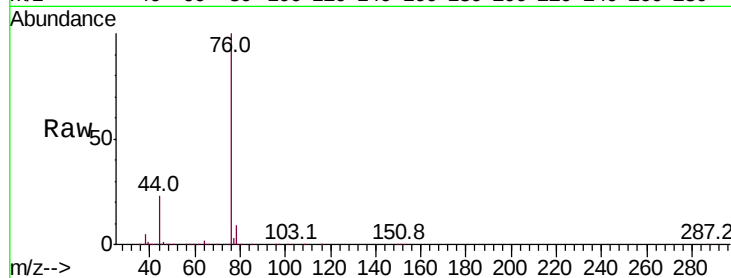
78 9.2 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 8.051 ppbv

RT: 5.07 min Scan# 663

Delta R.T. 0.00 min

Lab File: VL034095.D

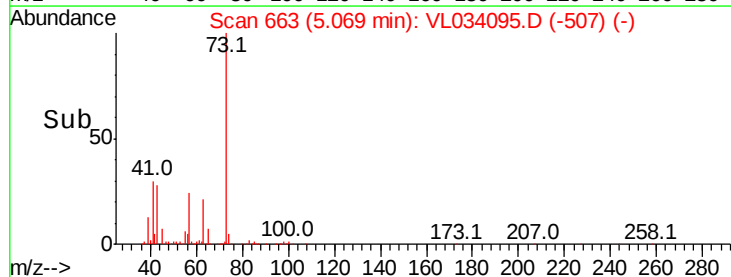
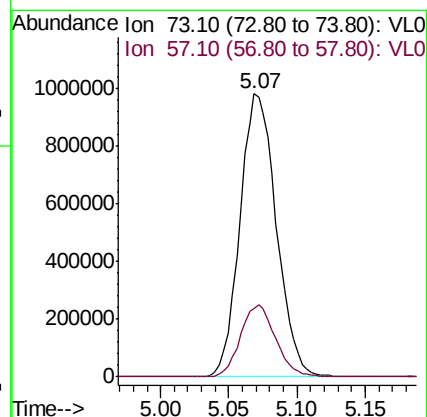
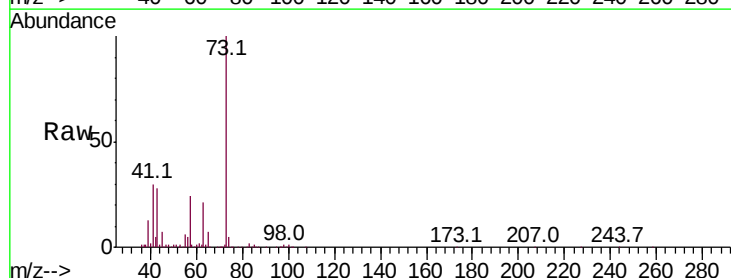
Acq: 5 Aug 2019 21:07

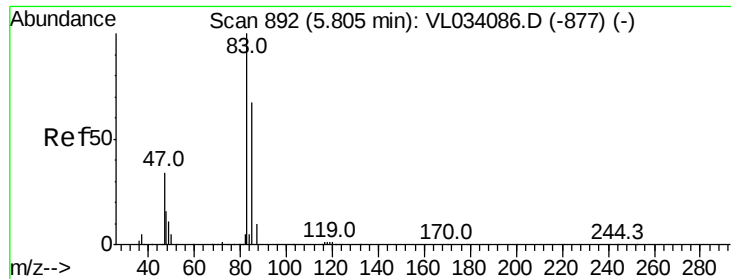
Tgt Ion: 73 Resp: 1812846

Ion Ratio Lower Upper

73 100

57 24.7 19.5 29.3





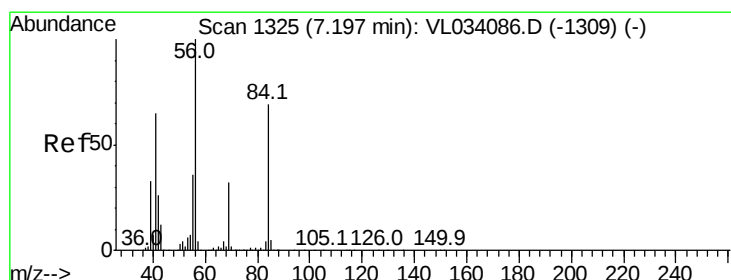
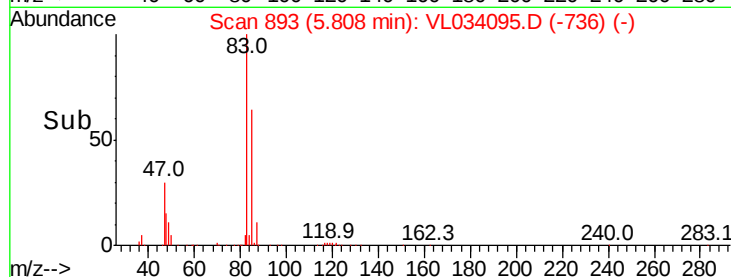
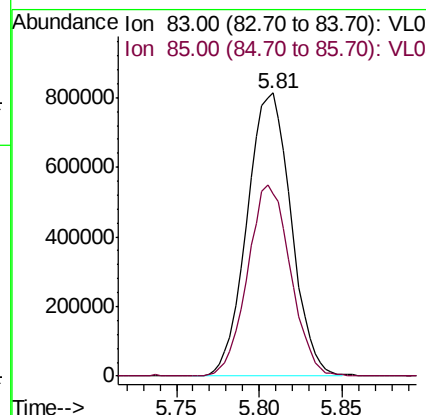
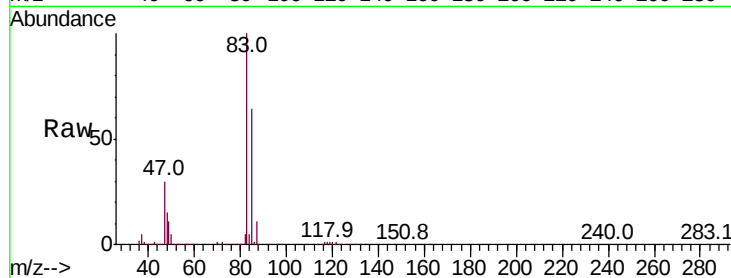
#29
Chloroform
Concen: 8.250 ppbv
RT: 5.81 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion: 83 Resp: 1510094
Ion Ratio Lower Upper
83 100
85 64.2 53.2 79.8

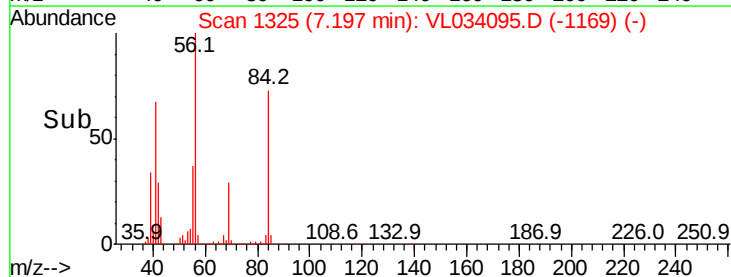
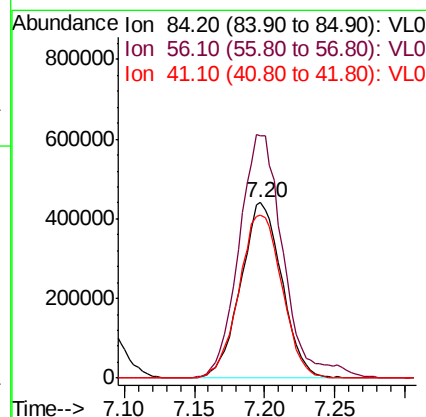
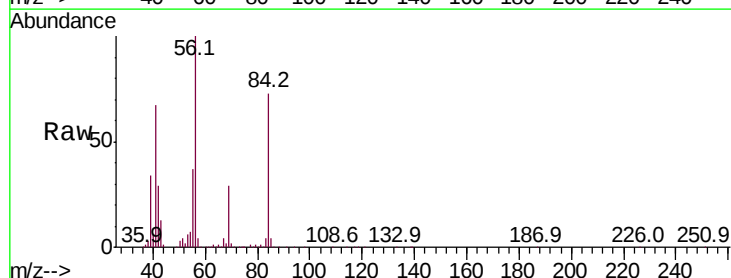
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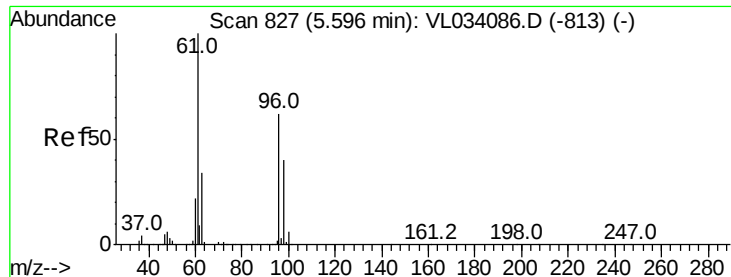
MMDadoda
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#30
Cyclohexane
Concen: 8.451 ppbv
RT: 7.20 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 84 Resp: 898861
Ion Ratio Lower Upper
84 100
56 150.1 122.6 184.0
41 97.7 80.1 120.1





#31

cis-1,2-Dichloroethene

Concen: 8.300 ppbv

RT: 5.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

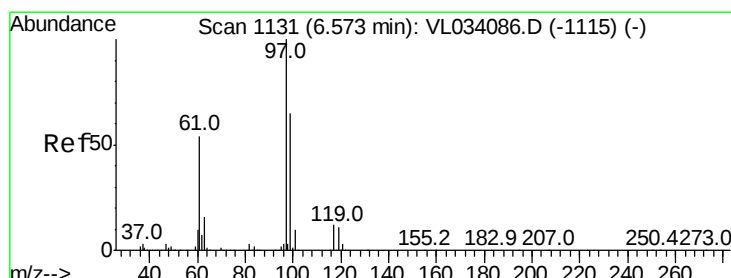
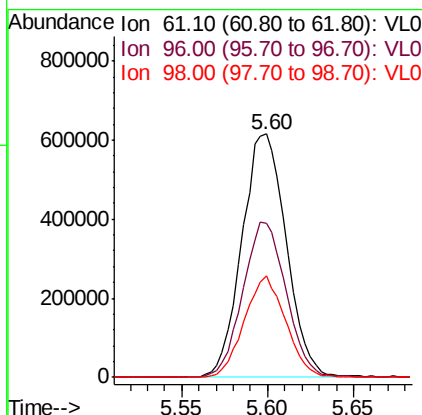
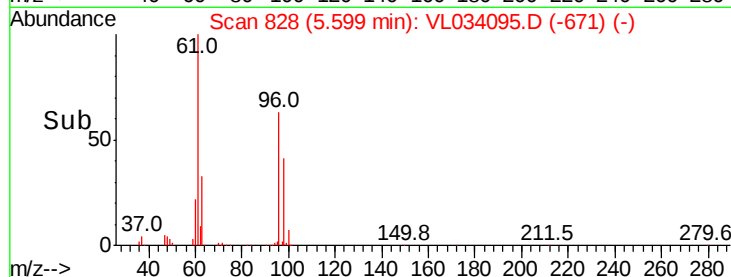
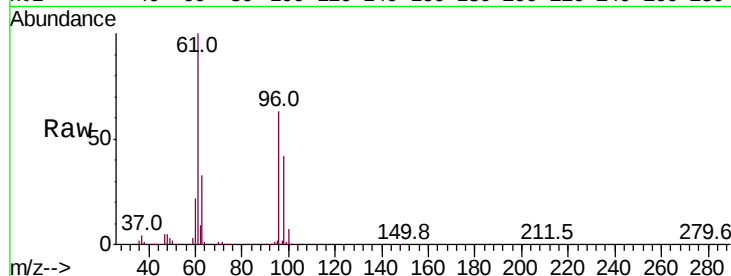
Instrument :
MSVOA_L

ClientSampleId :
VL0805ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.3	73.9
98	41.5	32.4	48.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 8.100 ppbv

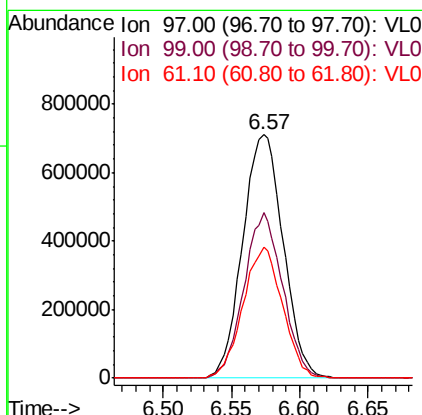
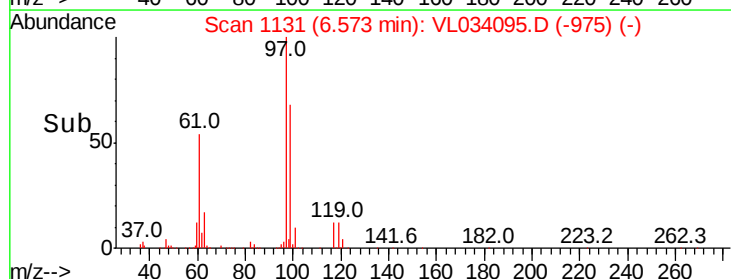
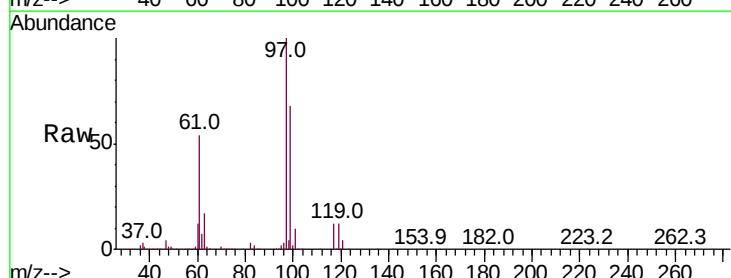
RT: 6.57 min Scan# 1131

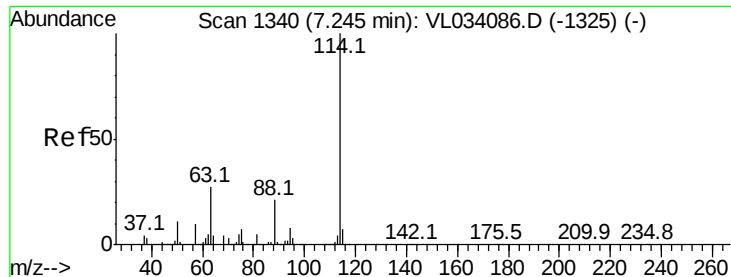
Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.2	78.4
61	52.6	42.0	63.0





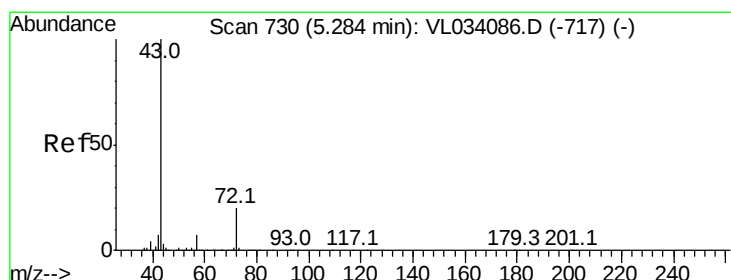
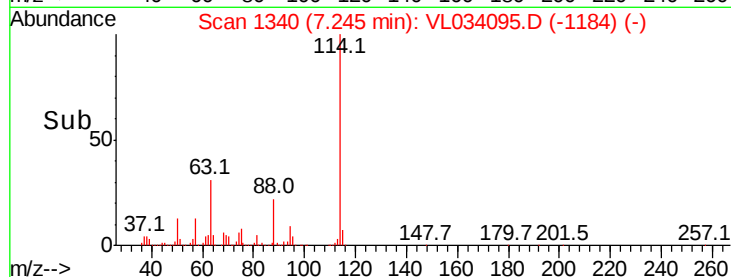
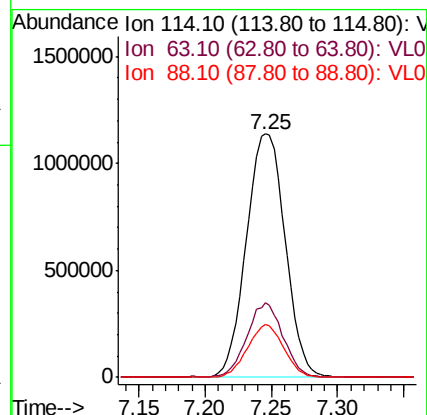
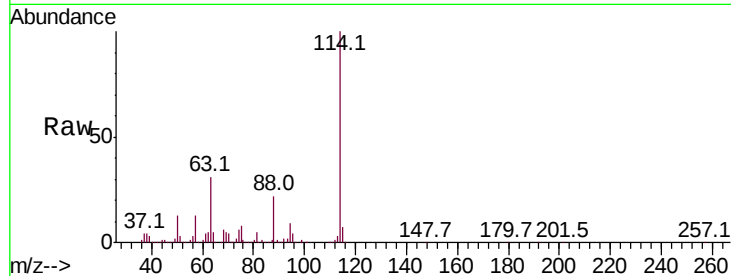
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.5	33.7
88	20.2	15.7	23.5

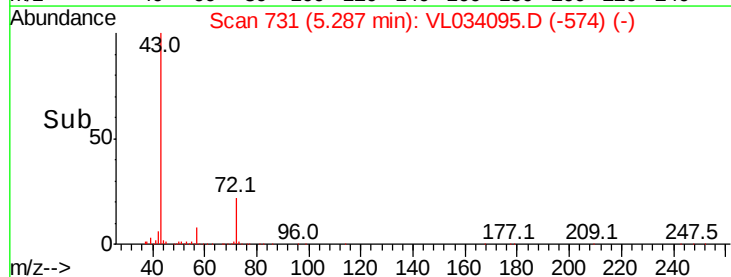
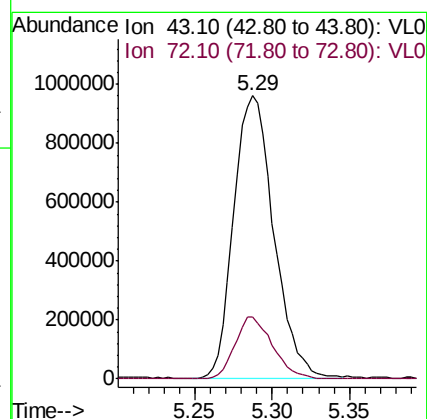
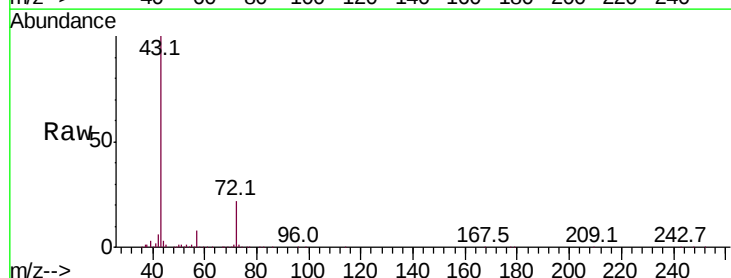
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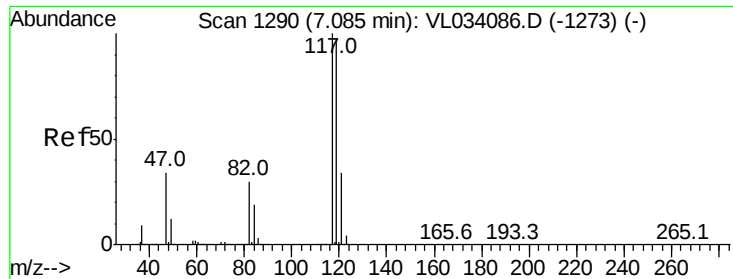
MMDadoda
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#34
 2-Butanone
 Concen: 7.984 ppbv
 RT: 5.29 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.0	24.0





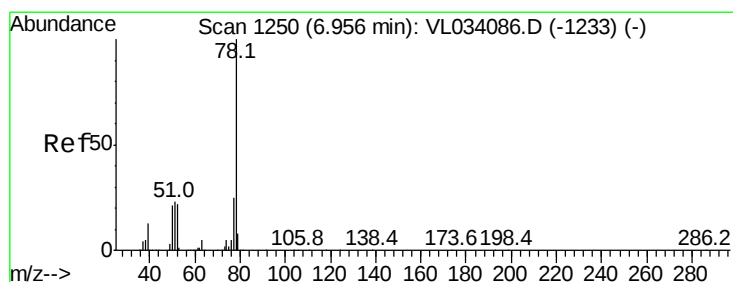
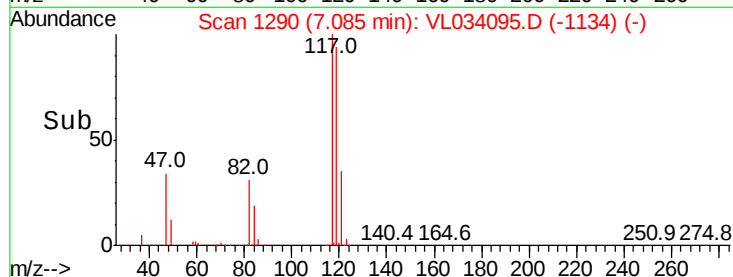
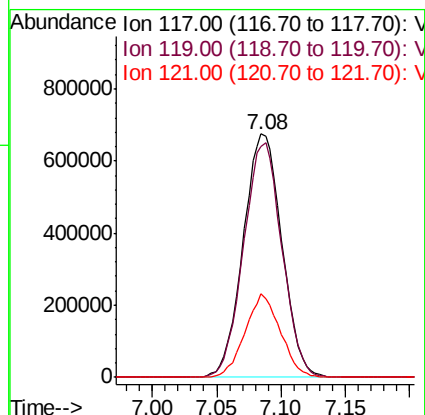
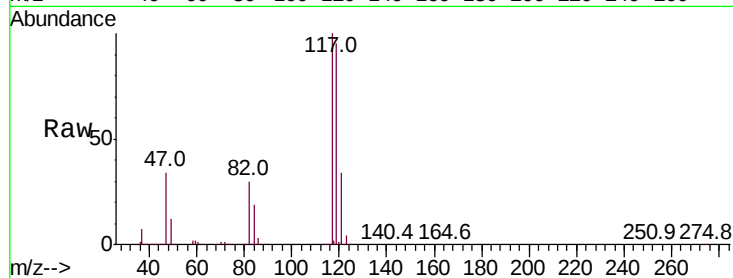
#35
Carbon Tetrachloride
Concen: 7.893 ppbv
RT: 7.08 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.6
121	34.1	27.4	41.2

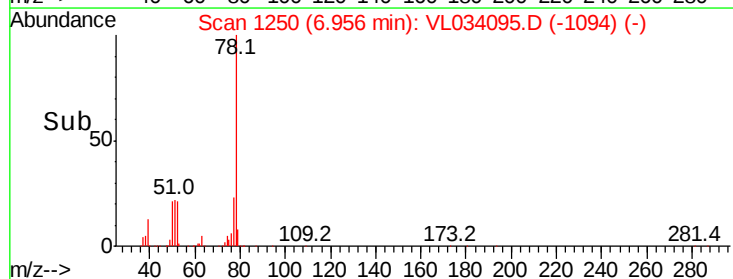
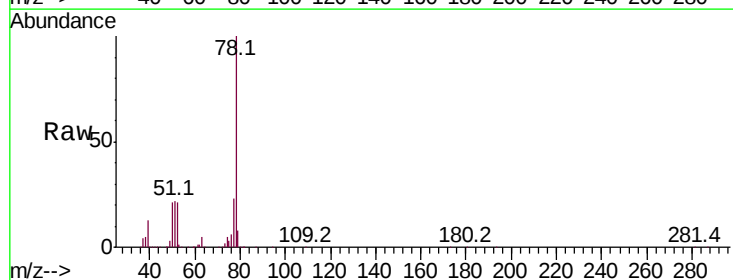
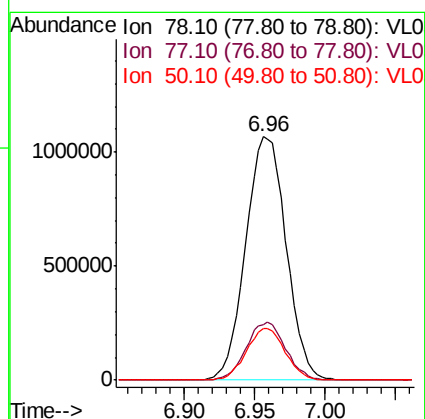
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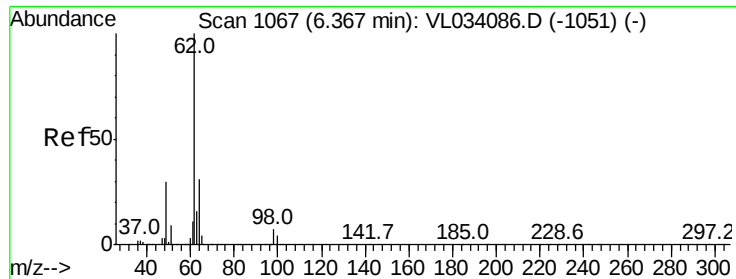
MMDadoda
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#36
Benzene
Concen: 8.121 ppbv
RT: 6.96 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.9	29.9
50	21.3	16.7	25.1





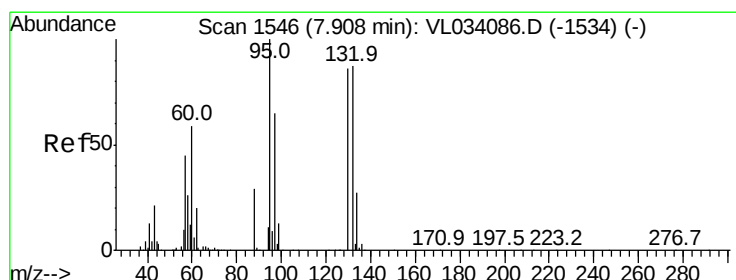
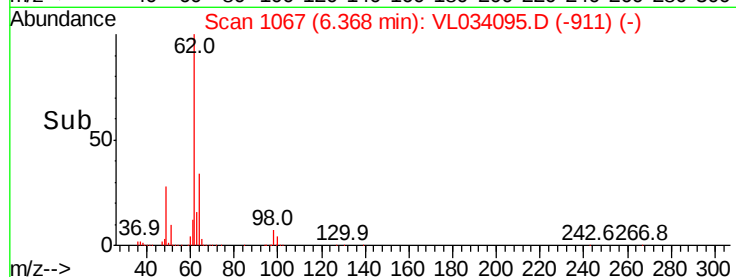
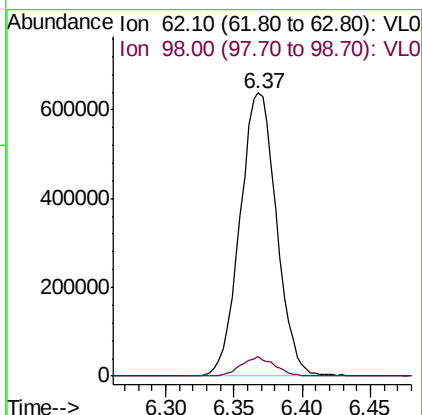
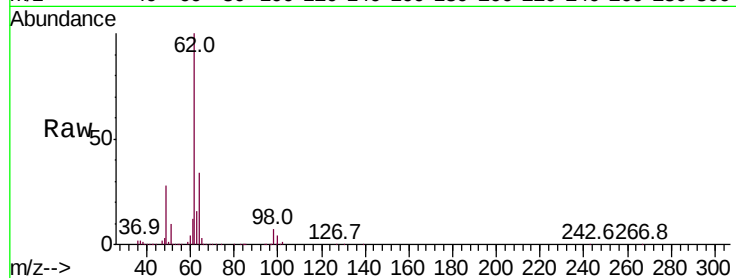
#37
 1,2-Dichloroethane
 Concen: 8.350 ppbv
 RT: 6.37 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion: 62 Resp: 1187546
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.9 7.3

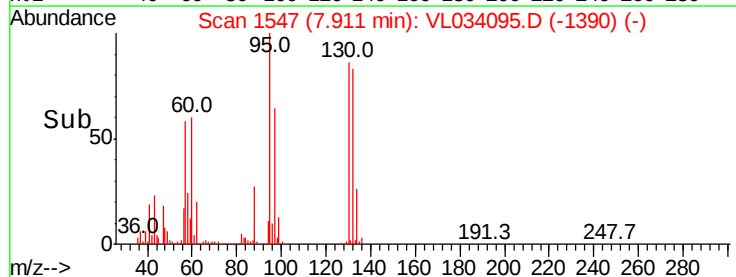
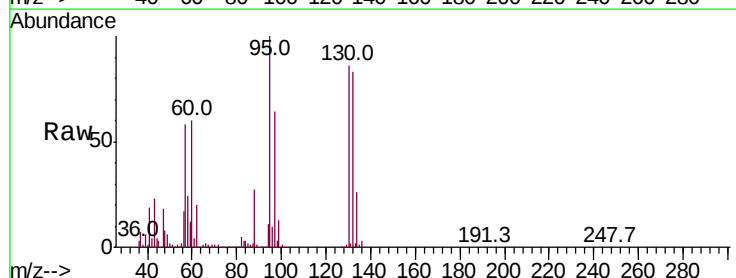
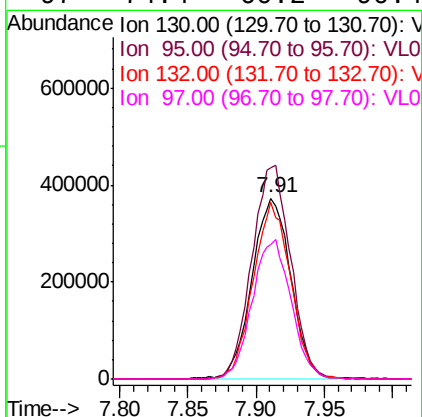
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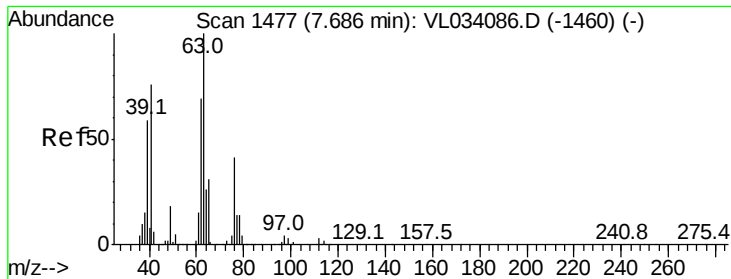
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#38
 Trichloroethene
 Concen: 7.173 ppbv
 RT: 7.91 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion: 130 Resp: 734279
 Ion Ratio Lower Upper
 130 100
 95 117.0 92.1 138.1
 132 97.7 79.7 119.5
 97 74.4 60.2 90.4





#39

1,2-Dichloropropane

Concen: 8.344 ppbv

RT: 7.69 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

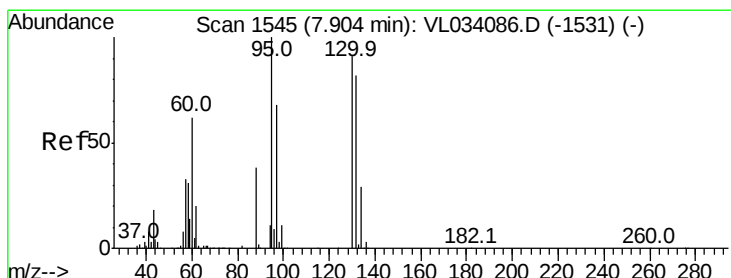
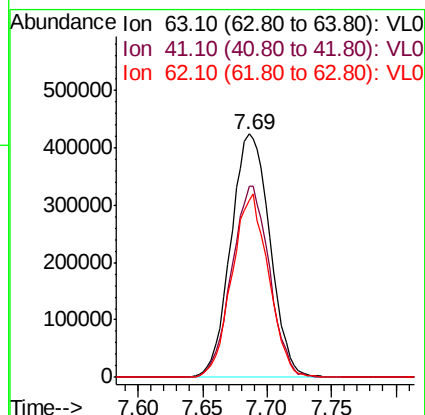
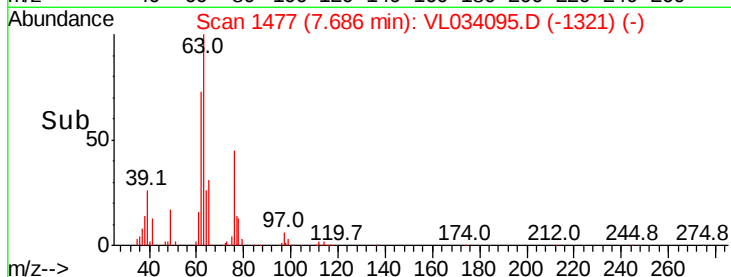
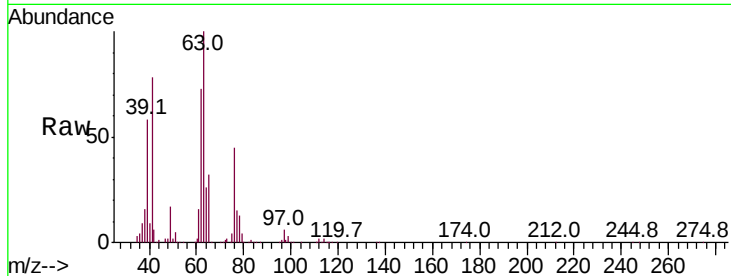
Instrument :
MSVOA_L

ClientSampleId :
VL0805ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.3	60.6	91.0
62	72.9	55.0	82.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 7.737 ppbv

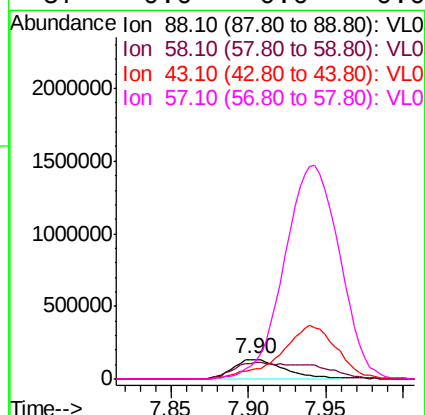
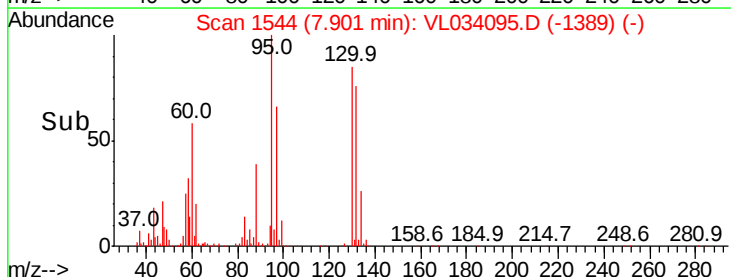
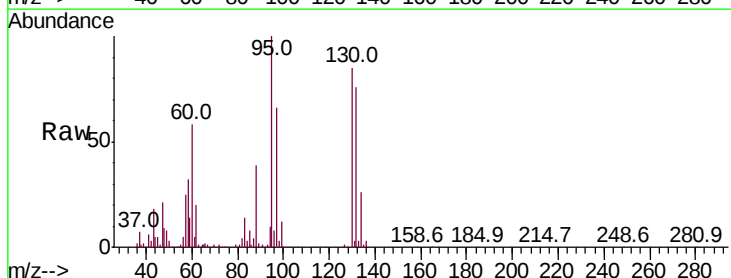
RT: 7.90 min Scan# 1544

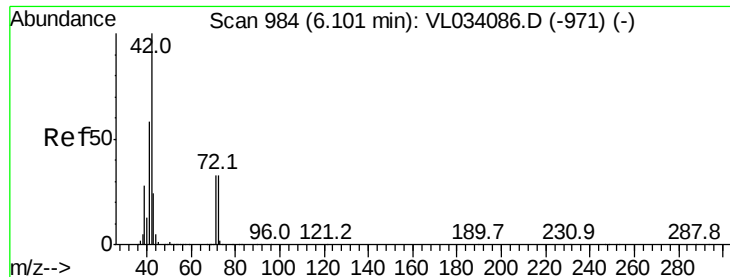
Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	143.6	113.0	169.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 8.293 ppbv

RT: 6.10 min Scan# 984

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

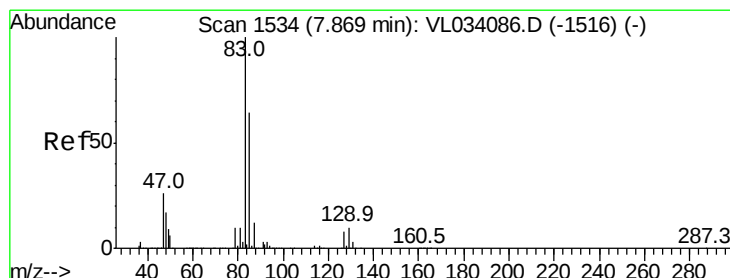
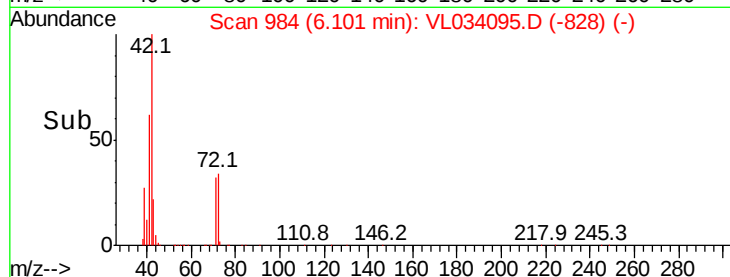
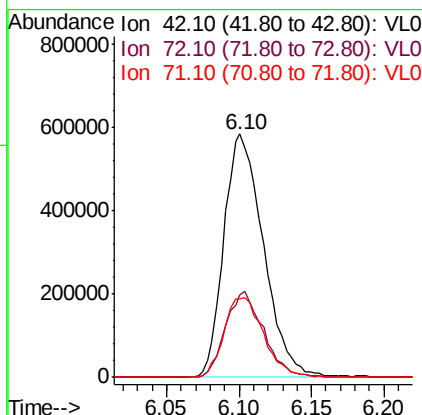
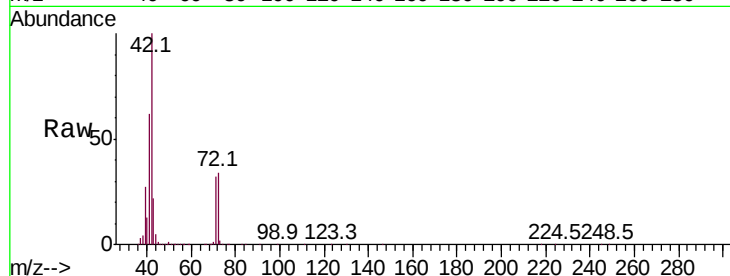
ClientSampleId :

VL0805ABS01

Tot Ion:	42	Resp:	1103130
Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	32.9	26.5	39.7

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#42

Bromodichloromethane

Concen: 8.362 ppbv

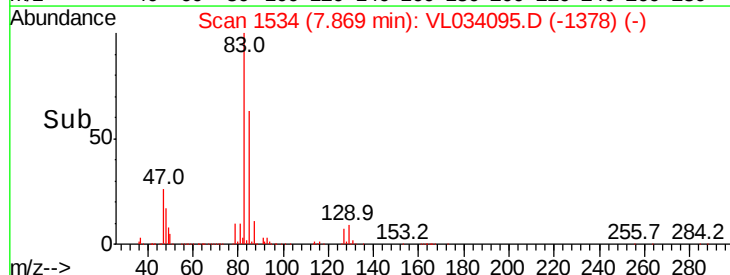
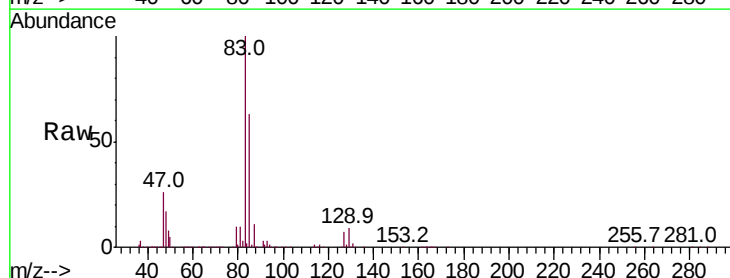
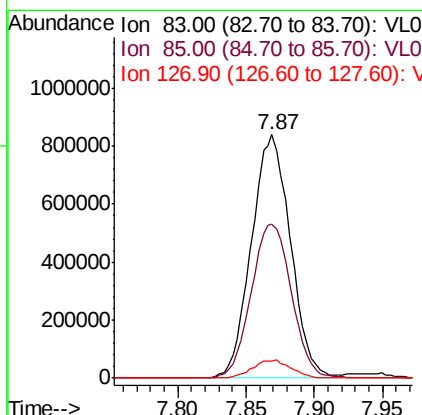
RT: 7.87 min Scan# 1534

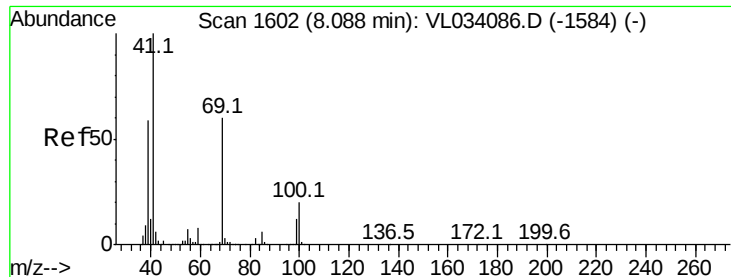
Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion:	83	Resp:	1667193
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	7.0	6.1	9.1





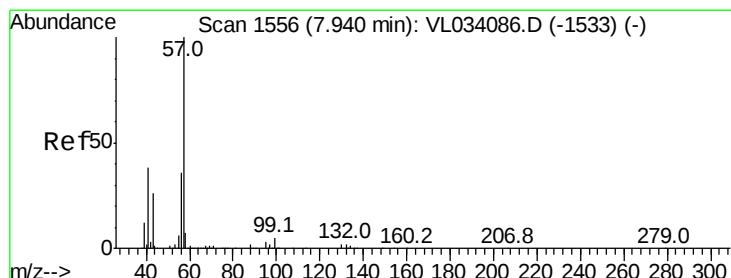
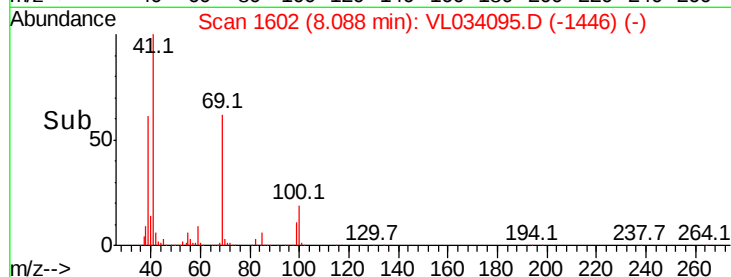
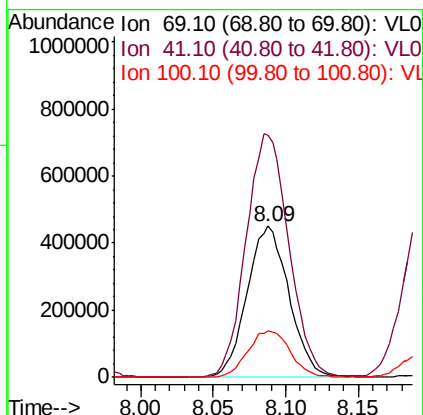
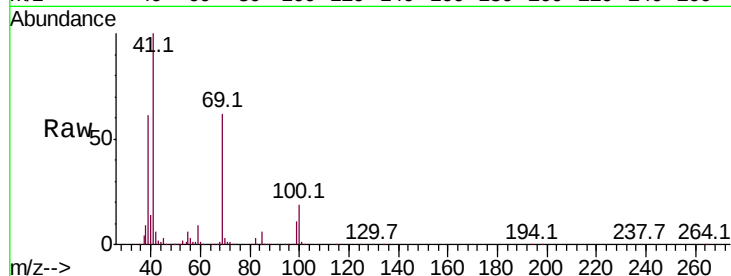
#43
Methvl Methacrylate
Concen: 8.365 ppbv
RT: 8.09 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	164.3	132.9	199.3
100	31.2	25.8	38.8

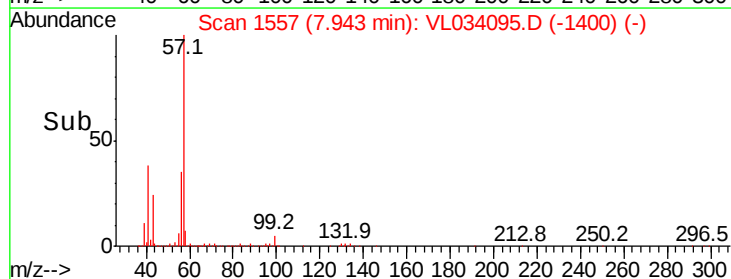
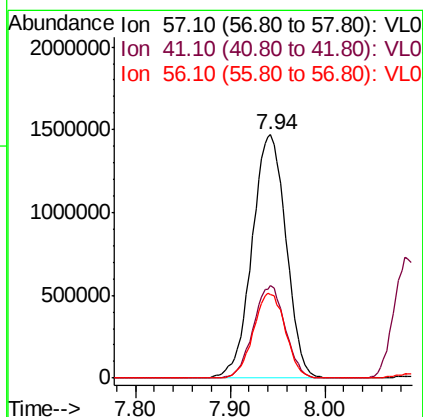
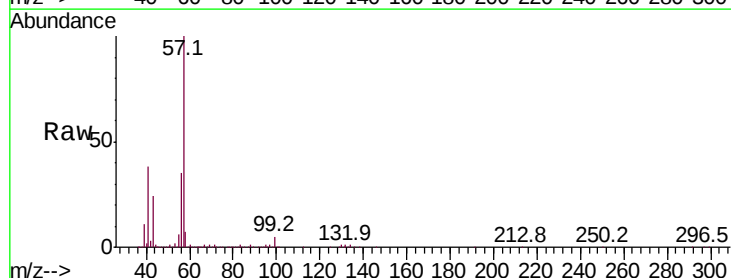
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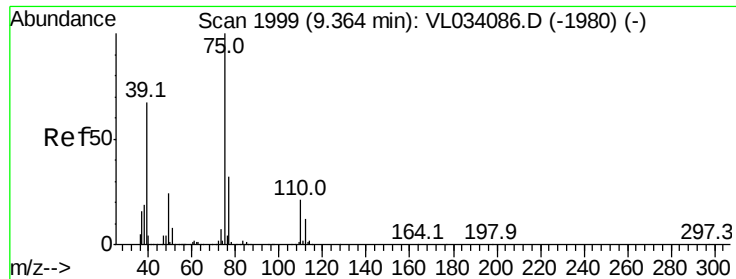
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 7.747 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.6	29.2	43.8
56	33.0	26.7	40.1





#45

t-1,3-Dichloropropene

Concen: 8.511 ppbv

RT: 9.36 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tot Ion: 75 Resp: 1169811

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

Instrument :

MSVOA_L

ClientSampleId :

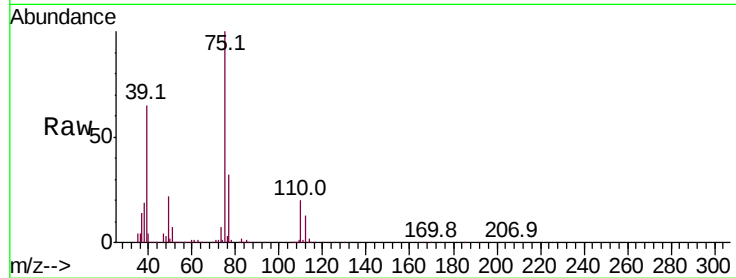
VL0805ABS01

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.36

600000

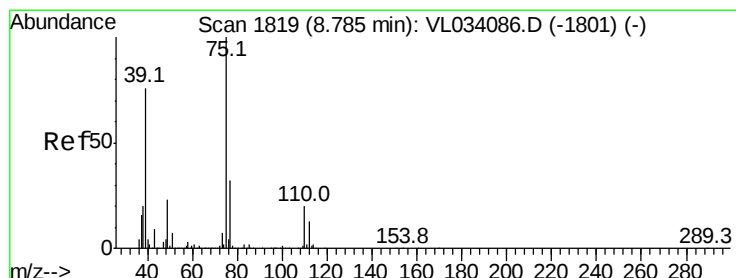
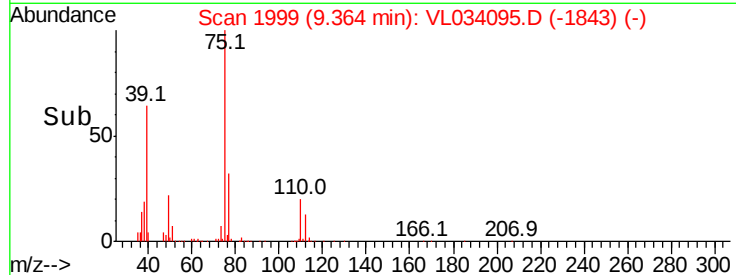
400000

200000

0

9.30 9.35 9.40 9.45

Time-->



#46

cis-1,3-Dichloropropene

Concen: 8.478 ppbv

RT: 8.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

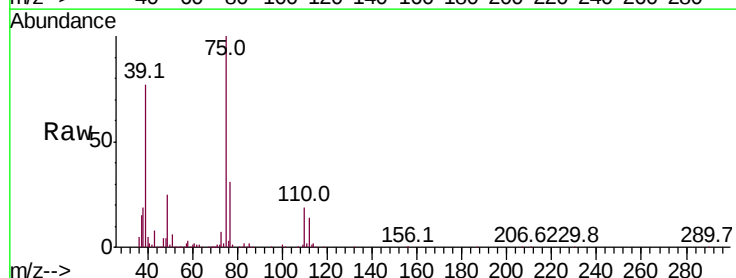
Tgt Ion: 75 Resp: 1344747

Ion Ratio Lower Upper

75 100

39 76.8 61.0 91.4

77 30.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.79

800000

600000

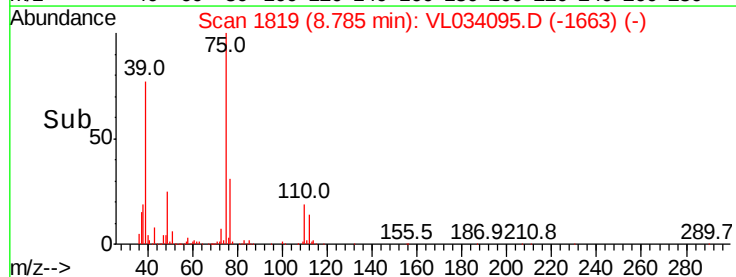
400000

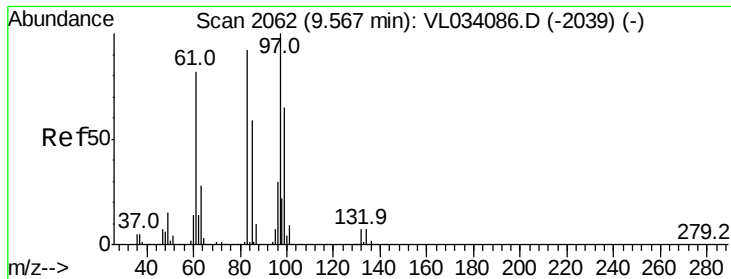
200000

0

8.70 8.75 8.80 8.85

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.349 ppbv

RT: 9.57 min Scan# 2062

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 97 Resp: 851353

Ion Ratio Lower Upper

97 100

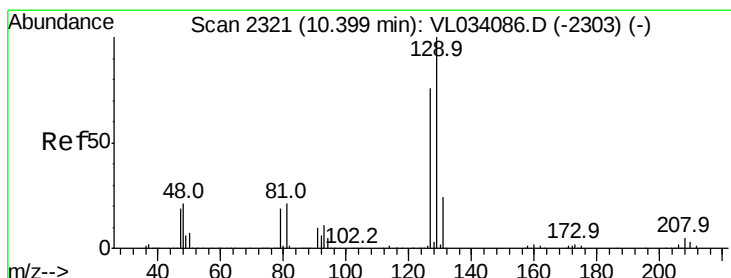
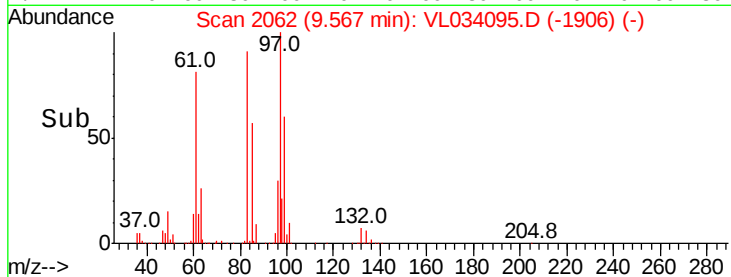
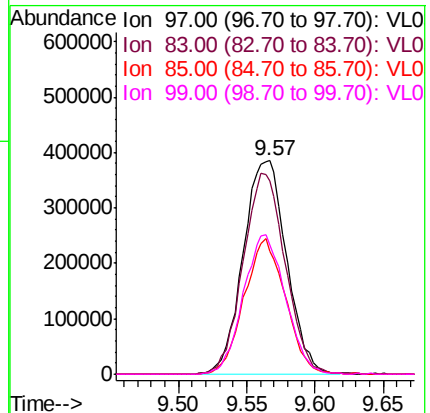
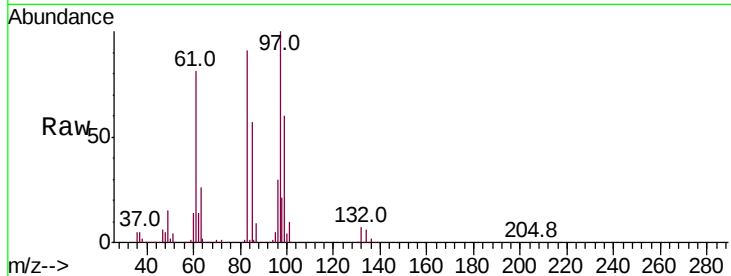
83 90.7 74.0 111.0

85 57.2 47.1 70.7

99 60.5 51.9 77.9

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#48

Dibromochloromethane

Concen: 8.193 ppbv

RT: 10.40 min Scan# 2320

Delta R.T. -0.00 min

Lab File: VL034095.D

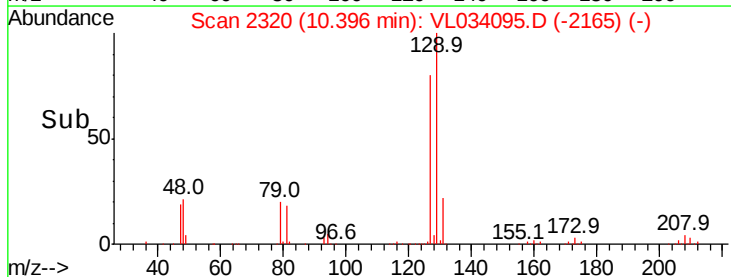
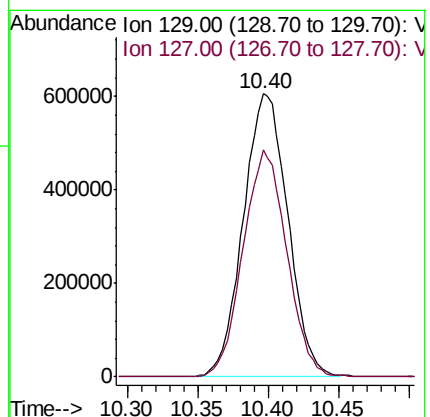
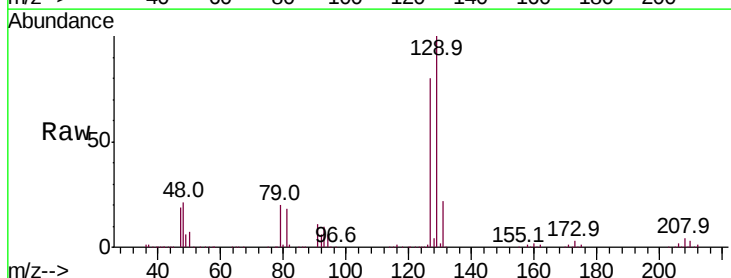
Acq: 5 Aug 2019 21:07

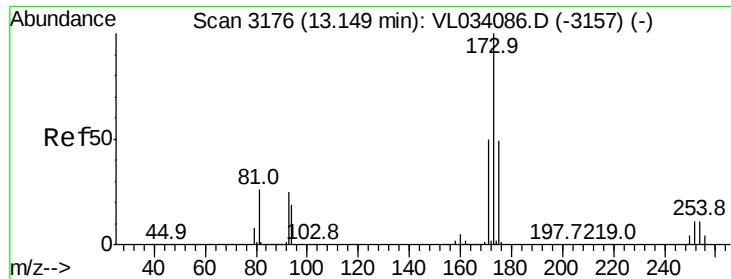
Tgt Ion: 129 Resp: 1339572

Ion Ratio Lower Upper

129 100

127 78.6 39.4 118.2





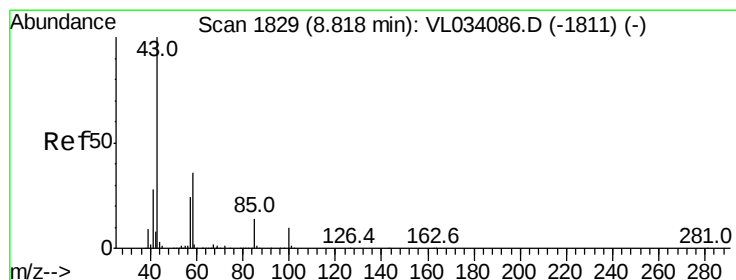
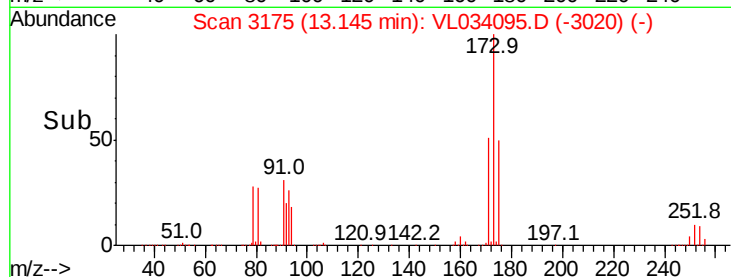
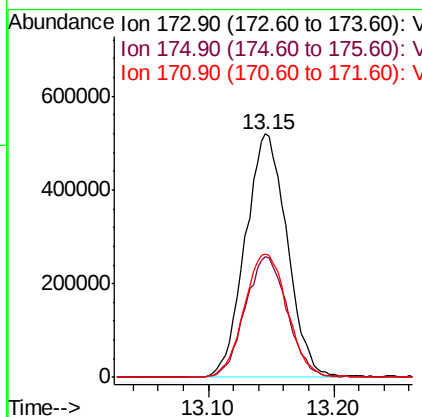
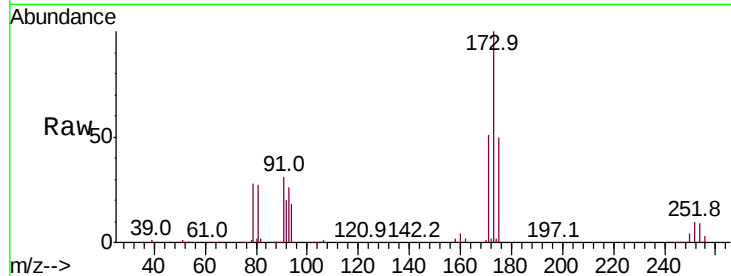
#49
Bromoform
Concen: 8.251 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion:173 Resp: 1206263
Ion Ratio Lower Upper
173 100
175 50.3 39.8 59.8
171 52.5 42.7 64.1

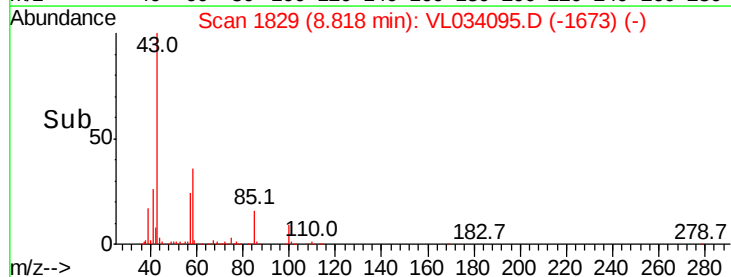
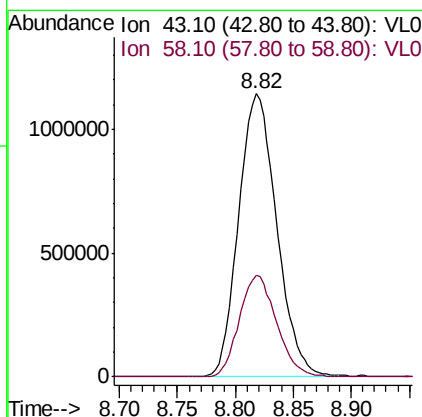
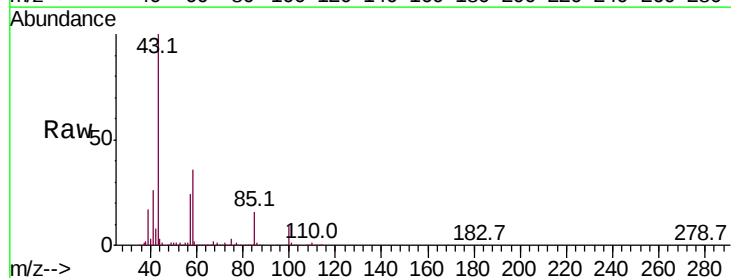
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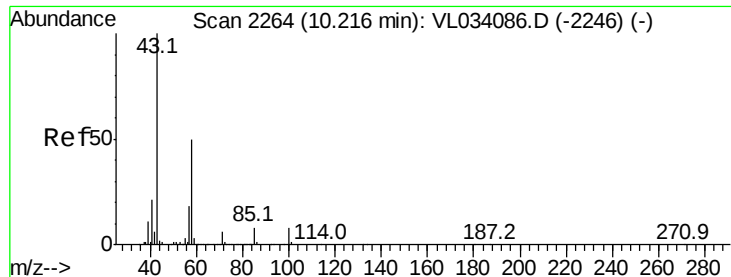
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#50
4-Methyl-2-Pentanone
Concen: 7.931 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 43 Resp: 2609939
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.2





#51

2-Hexanone

Concen: 8.100 ppbv

RT: 10.22 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 43 Resp: 2240031

Ion Ratio Lower Upper

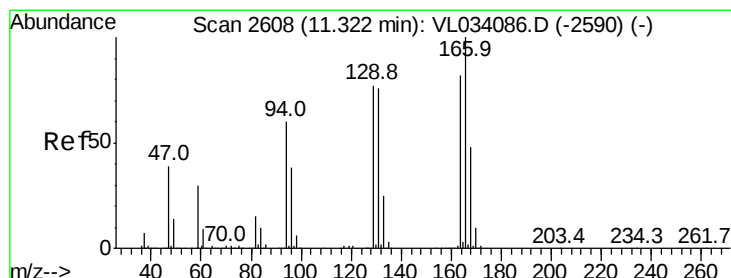
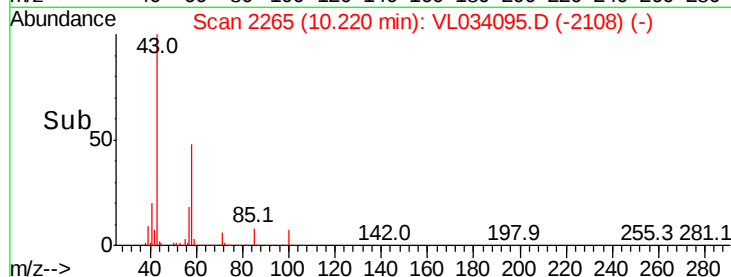
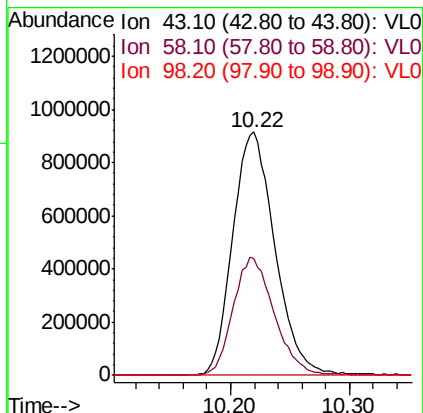
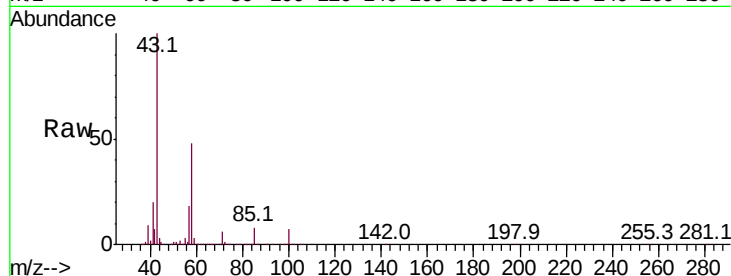
43 100

58 47.3 38.5 57.7

98 0.1 0.0 0.0#

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#52

Tetrachloroethene

Concen: 7.244 ppbv

RT: 11.32 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion: 164 Resp: 739424

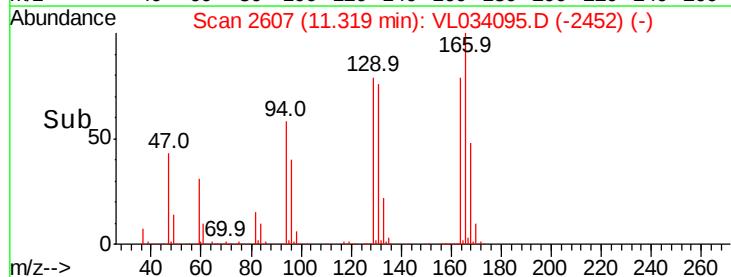
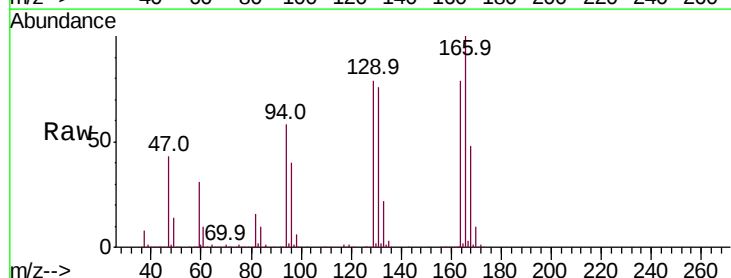
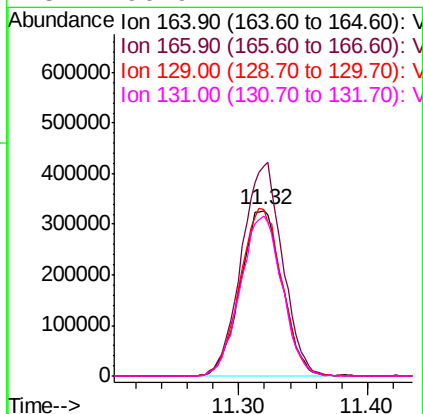
Ion Ratio Lower Upper

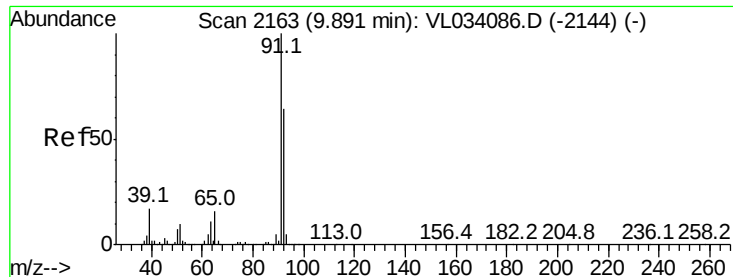
164 100

166 127.1 96.8 145.2

129 100.2 74.9 112.3

131 96.9 74.2 111.2





#53

Toluene

Concen: 8.075 ppbv

RT: 9.89 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 91 Resp: 2463311

Ion Ratio Lower Upper

91 100

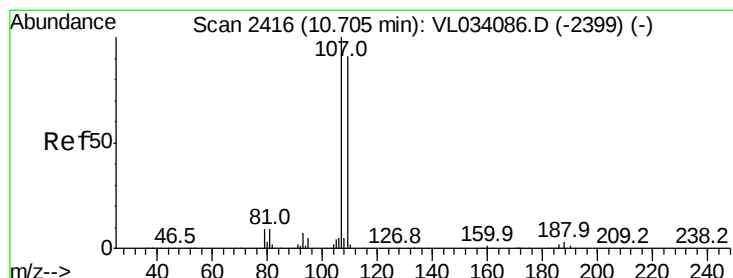
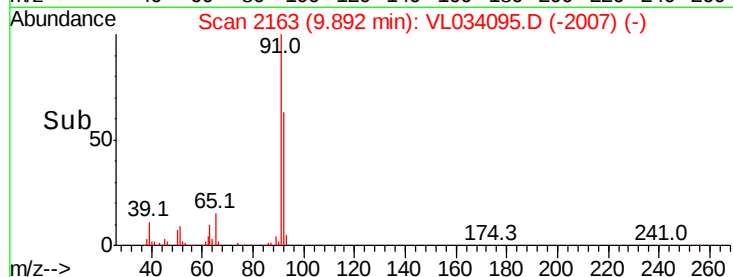
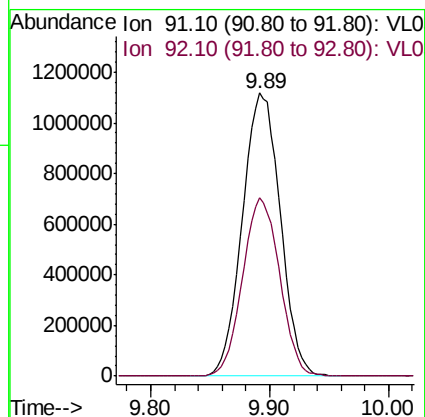
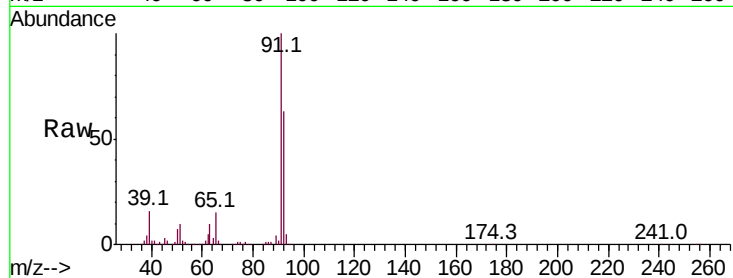
92 61.8 50.3 75.5

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#54

1,2-Dibromoethane

Concen: 8.240 ppbv

RT: 10.71 min Scan# 2416

Delta R.T. 0.00 min

Lab File: VL034095.D

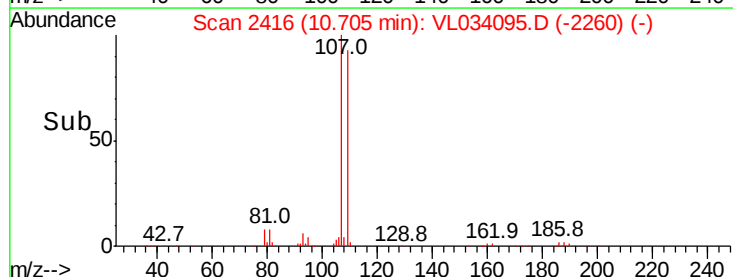
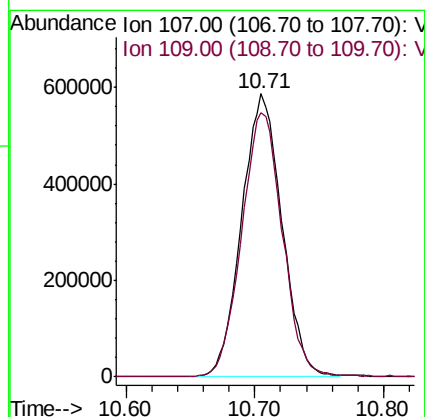
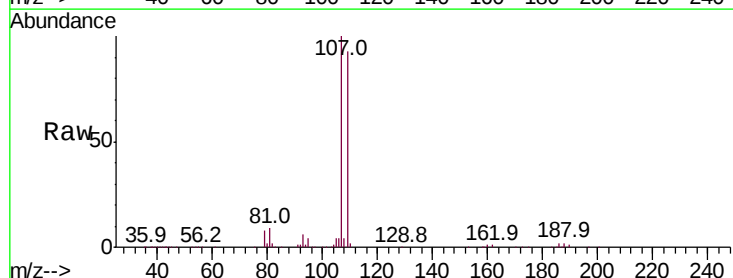
Acq: 5 Aug 2019 21:07

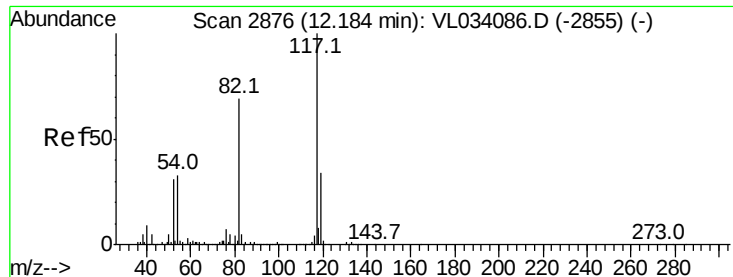
Tgt Ion: 107 Resp: 1272922

Ion Ratio Lower Upper

107 100

109 93.5 72.9 109.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.18 min Scan# 2875

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion:117 Resp: 2367761

Ion Ratio Lower Upper

117 100

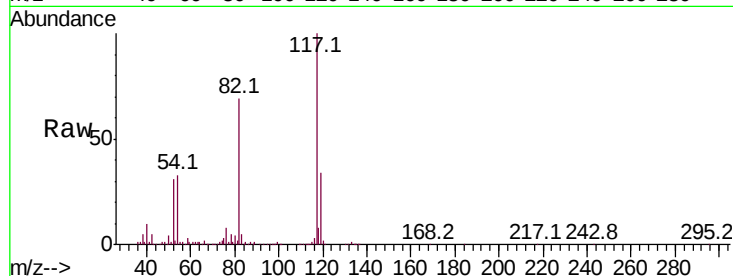
82 72.8 52.2 78.4

119 58.2 44.8 67.2

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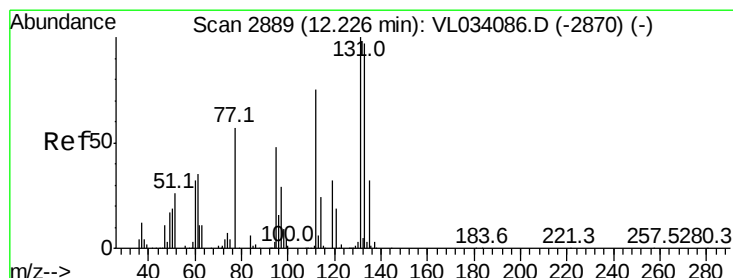
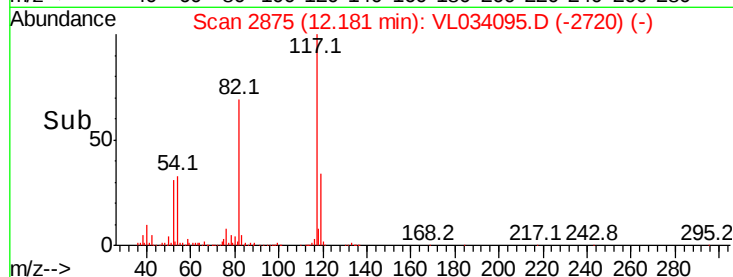
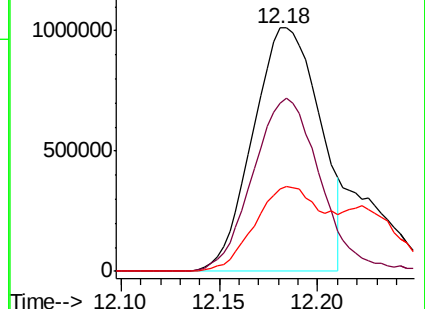
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.265 ppbv

RT: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

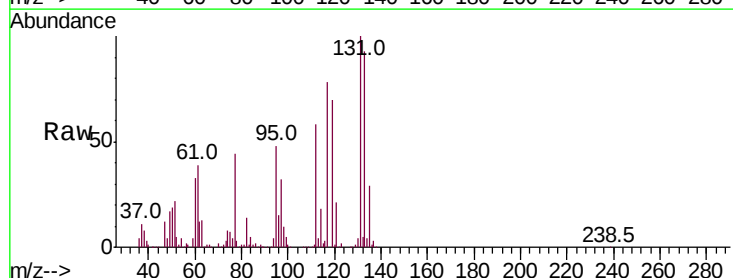
Tgt Ion:131 Resp: 894734

Ion Ratio Lower Upper

131 100

133 94.8 76.5 114.7

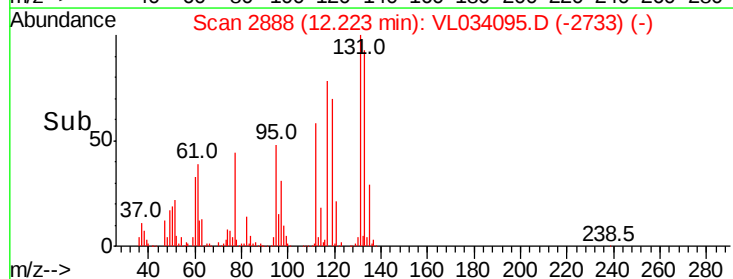
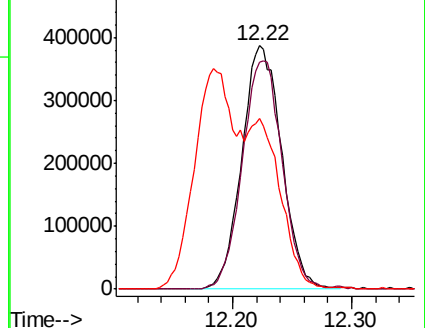
119 154.0 114.7 172.1

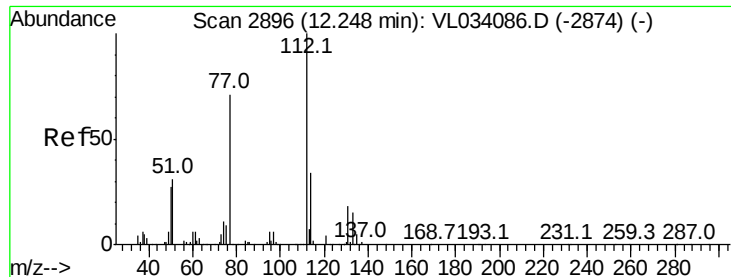


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





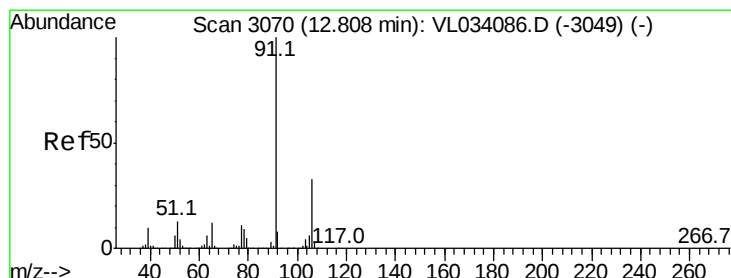
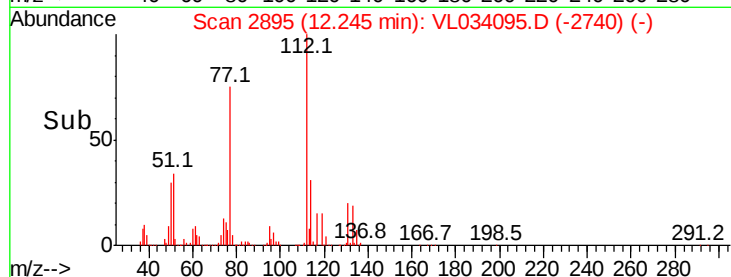
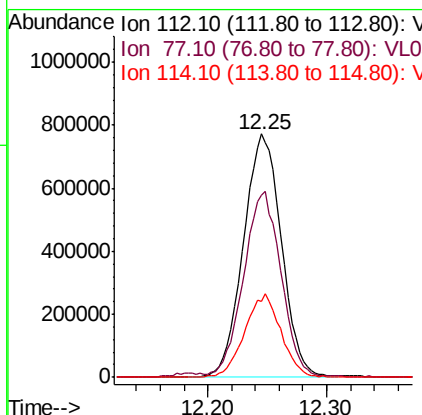
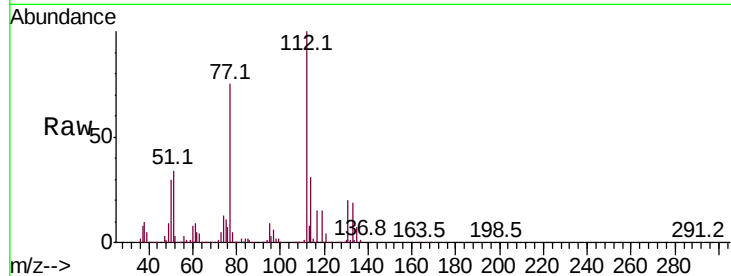
#57
Chlorobenzene
Concen: 7.996 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.0	57.8	86.6
114	31.2	30.3	37.1

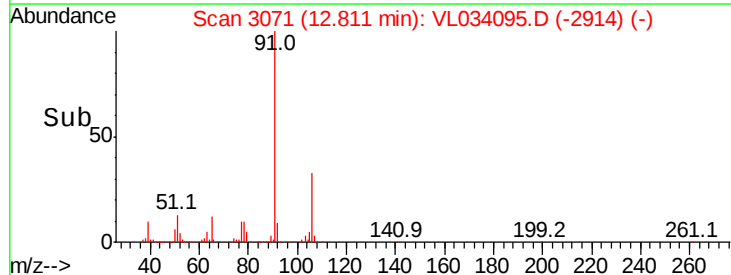
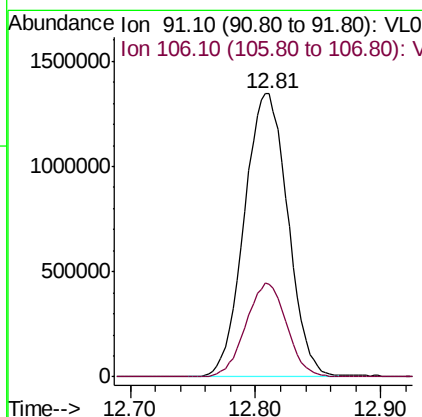
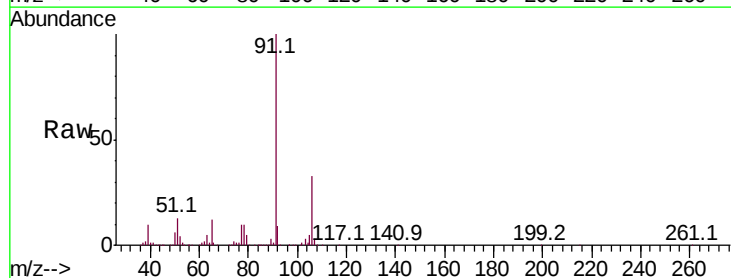
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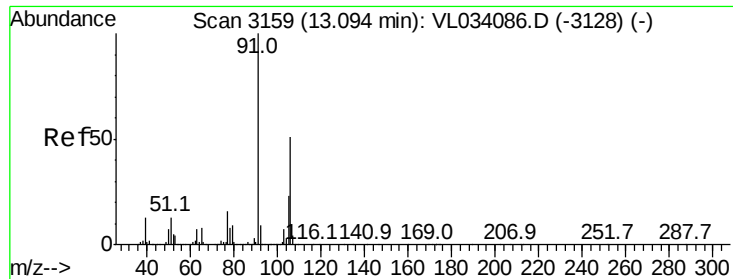
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#58
Ethyl Benzene
Concen: 8.130 ppbv
RT: 12.81 min Scan# 3071
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	26.0	39.0





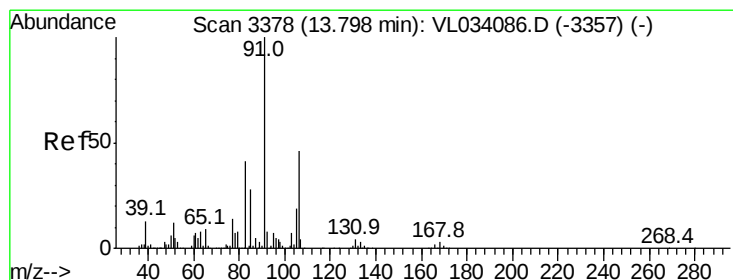
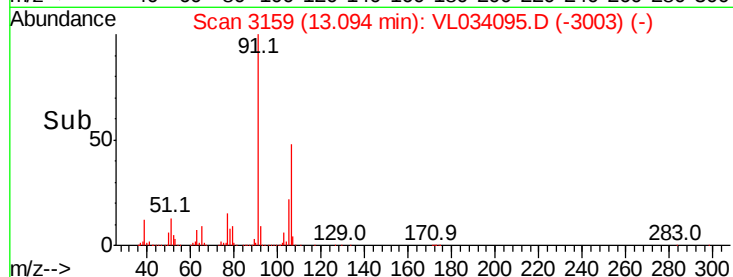
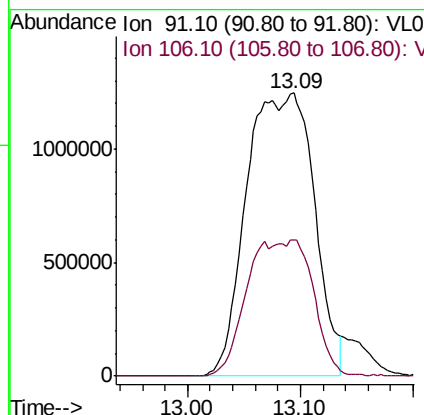
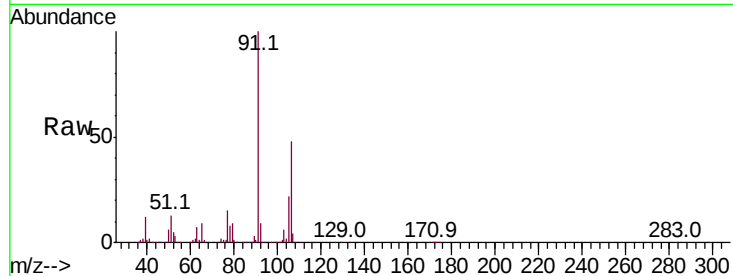
#59
m/p-Xylene
Concen: 16.201 ppbv
RT: 13.09 min Scan# 3159
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion: 91 Resp: 5177778
Ion Ratio Lower Upper
91 100
106 47.1 38.7 58.1

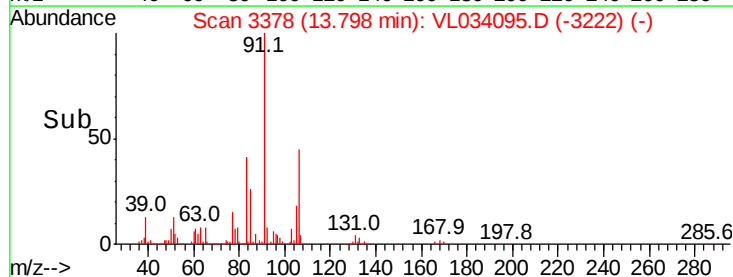
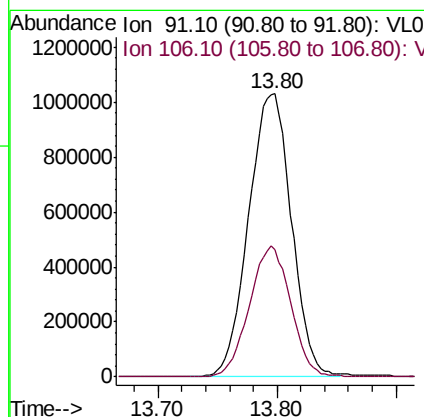
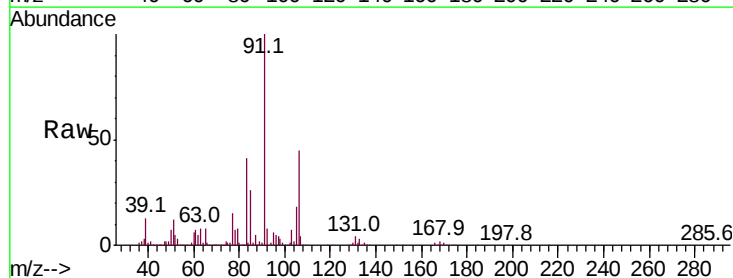
Manual Integrations
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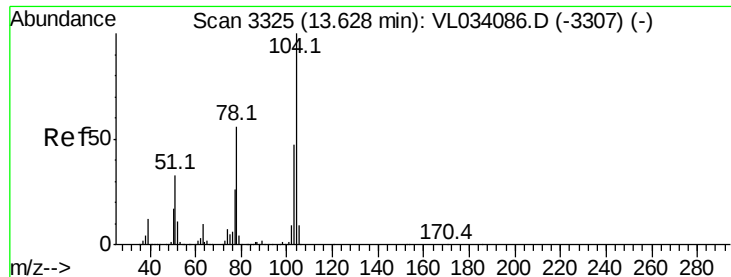
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#60
o-Xylene
Concen: 8.015 ppbv
RT: 13.80 min Scan# 3378
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion: 91 Resp: 2559895
Ion Ratio Lower Upper
91 100
106 45.1 22.6 67.7





#61

Stvrene

Concen: 8.254 ppbv

RT: 13.63 min Scan# 3326

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion:104 Resp: 2092343

Ion Ratio Lower Upper

104 100

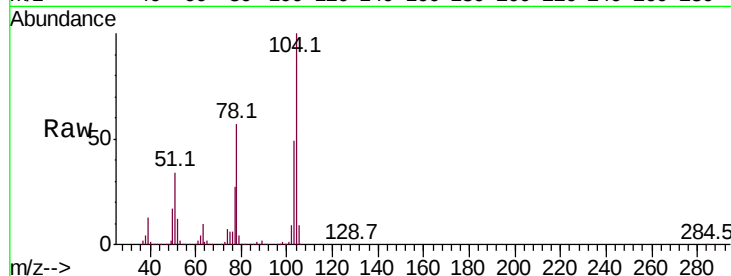
78 56.6 44.2 66.4

103 48.4 38.3 57.5

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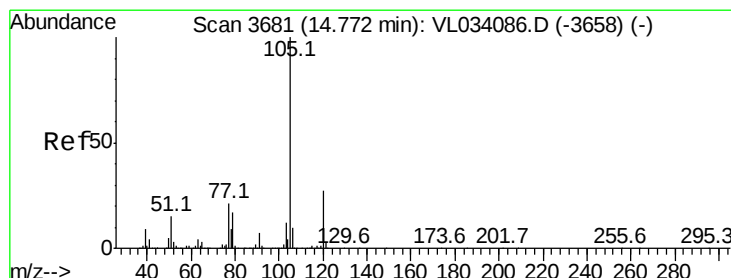
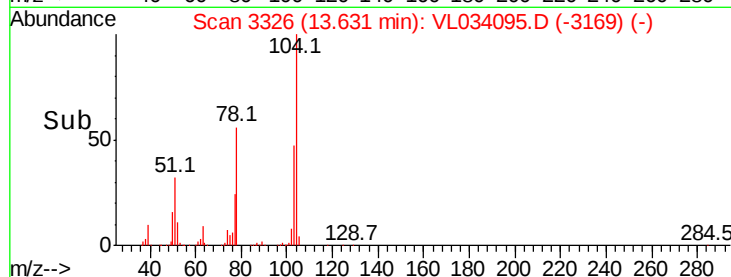
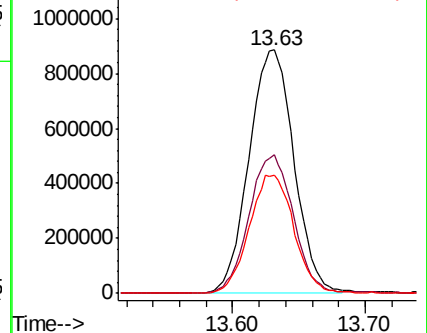
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.963 ppbv

RT: 14.77 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL034095.D

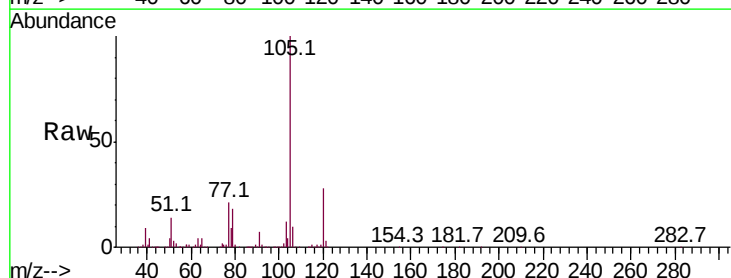
Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 3413661

Ion Ratio Lower Upper

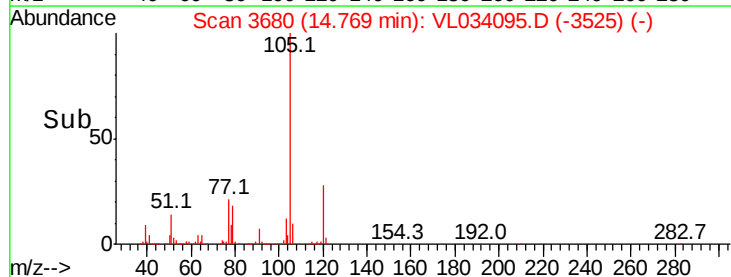
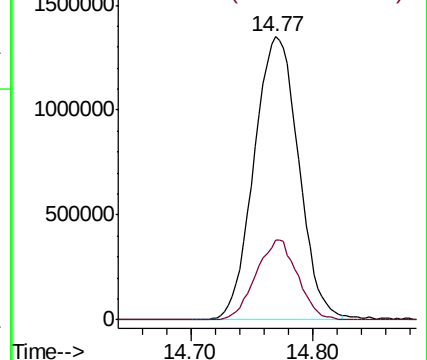
105 100

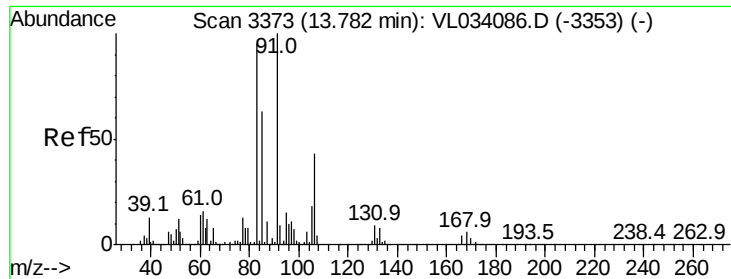
120 26.7 21.4 32.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.867 ppbv

RT: 13.78 min Scan# 3373

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 83 Resp: 1814907

Ion Ratio Lower Upper

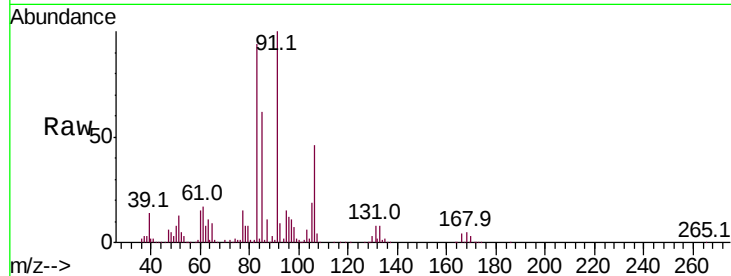
83 100

131 9.2 4.6 13.8

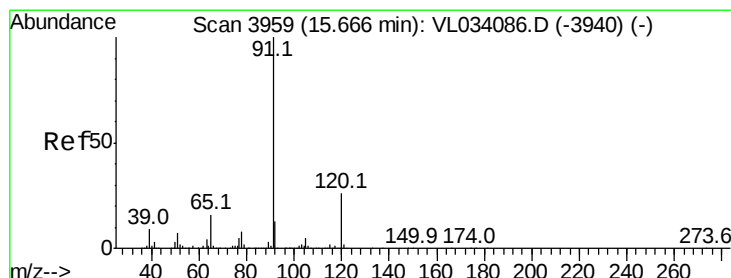
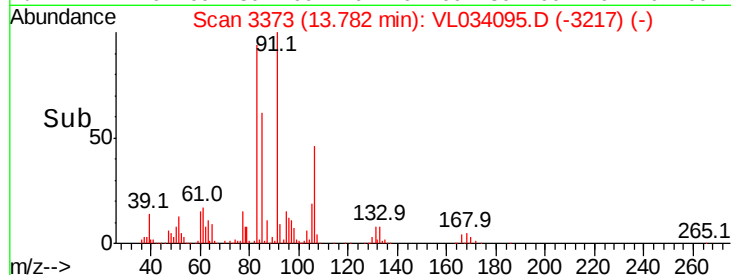
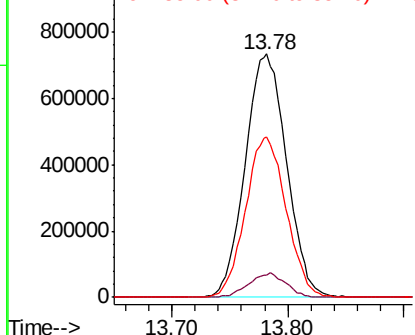
85 65.1 32.6 97.8

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.227 ppbv

RT: 15.67 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VL034095.D

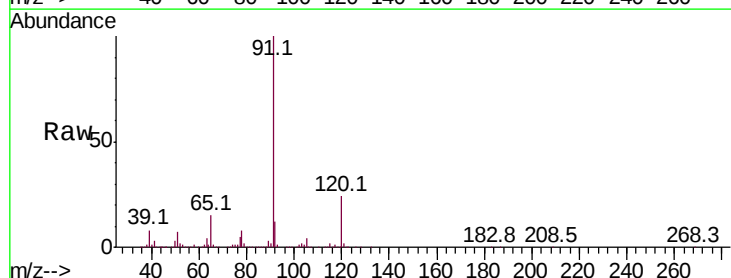
Acq: 5 Aug 2019 21:07

Tgt Ion:120 Resp: 932144

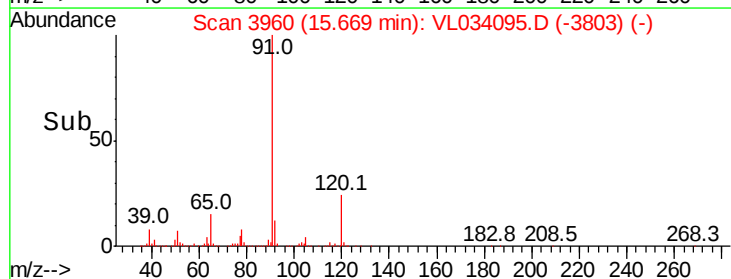
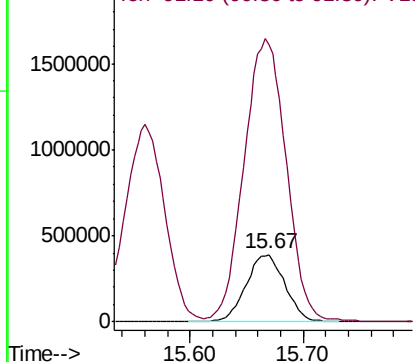
Ion Ratio Lower Upper

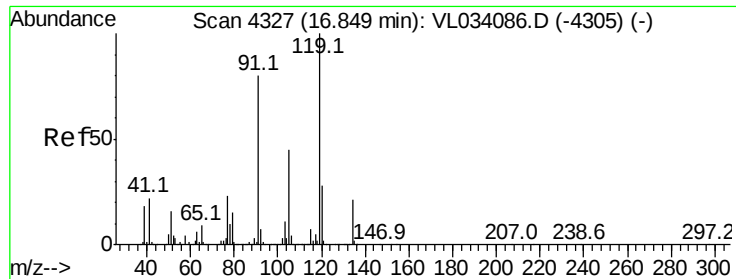
120 100

91 457.4 359.7 539.5



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





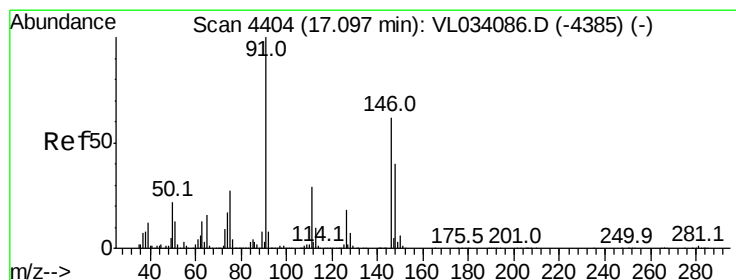
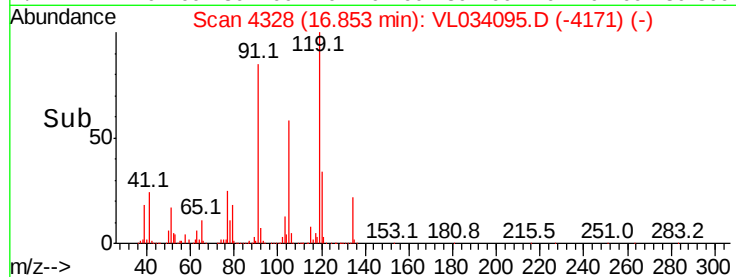
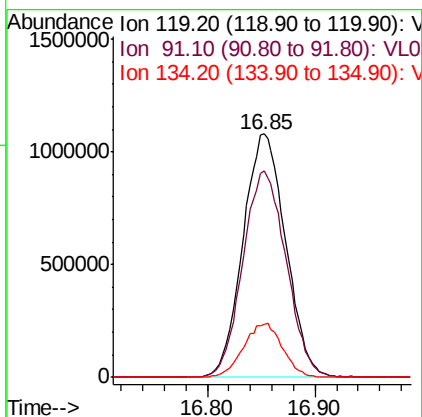
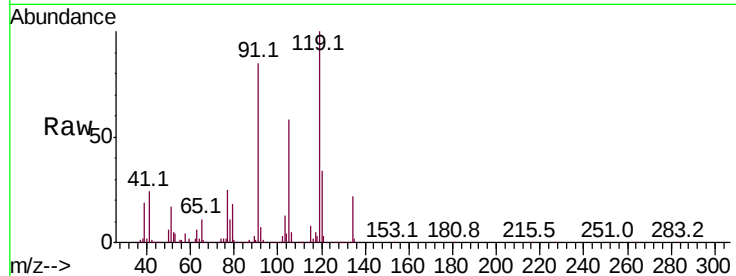
#65
 tert-Butylbenzene
 Concen: 7.767 ppbv
 RT: 16.85 min Scan# 4328
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.2	67.6	101.4
134	20.3	16.0	24.0

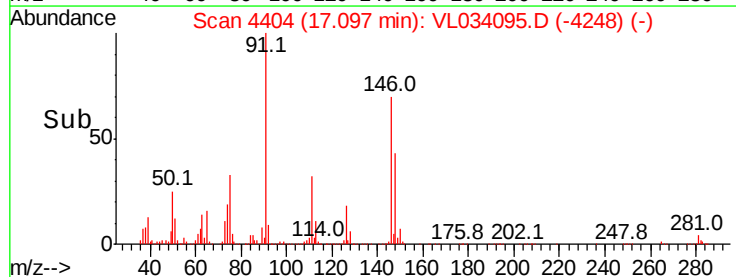
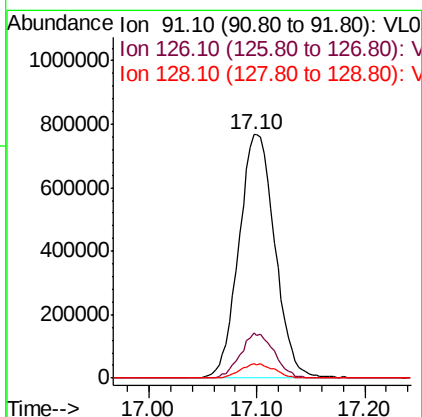
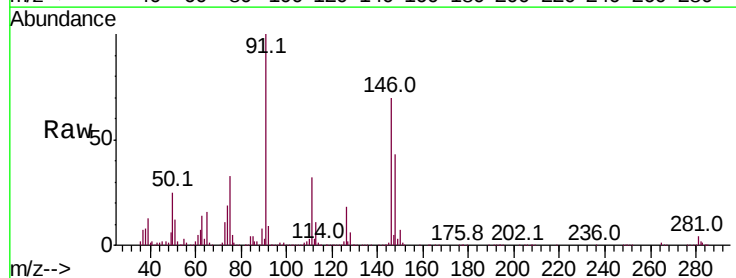
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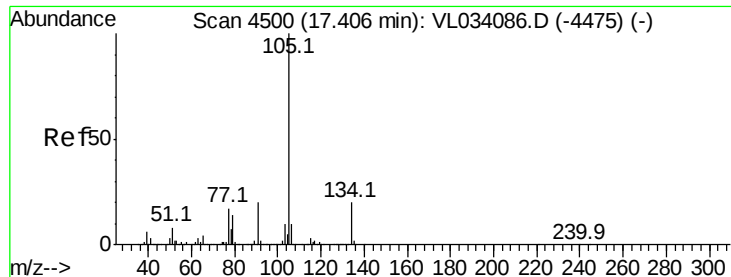
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#66
 Benzyl Chloride
 Concen: 8.393 ppbv
 RT: 17.10 min Scan# 4404
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.8	22.2
128	5.6	4.8	7.2





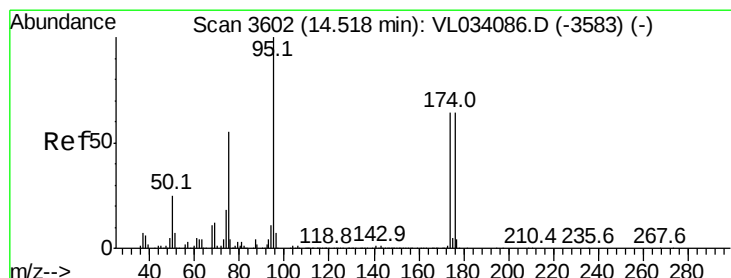
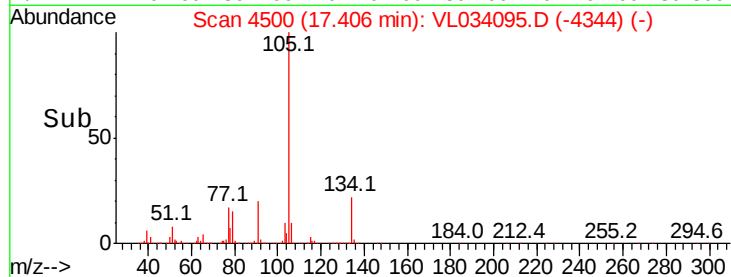
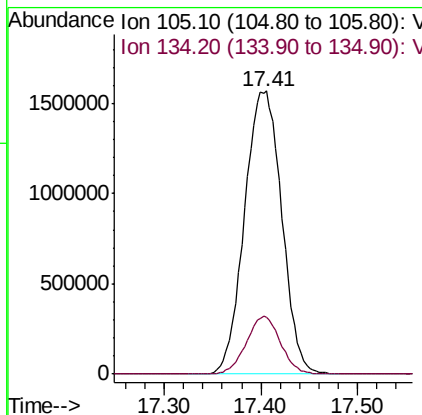
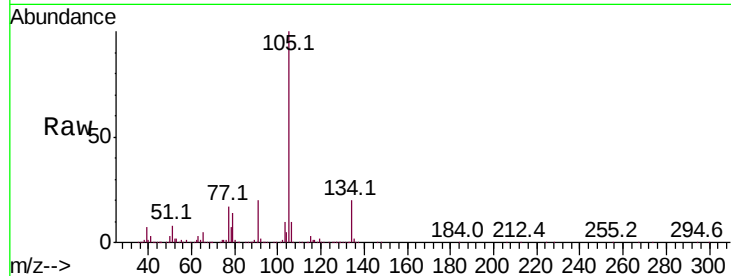
#67
 sec-Butylbenzene
 Concen: 7.770 ppbv
 RT: 17.41 min Scan# 4500
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion:105 Resp: 4187362
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.4 23.2

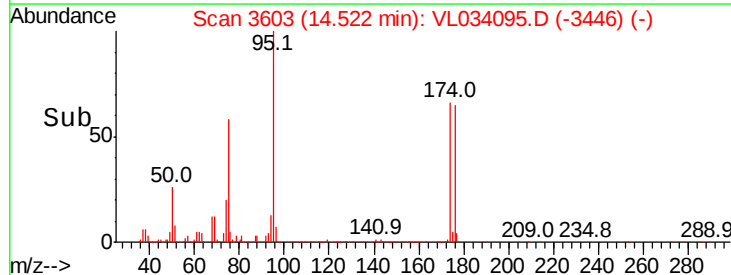
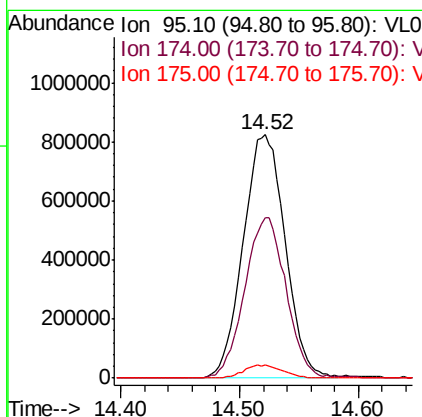
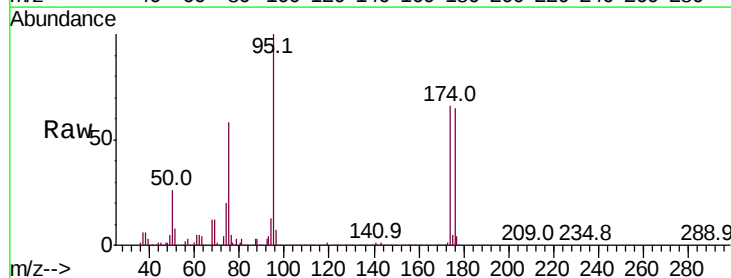
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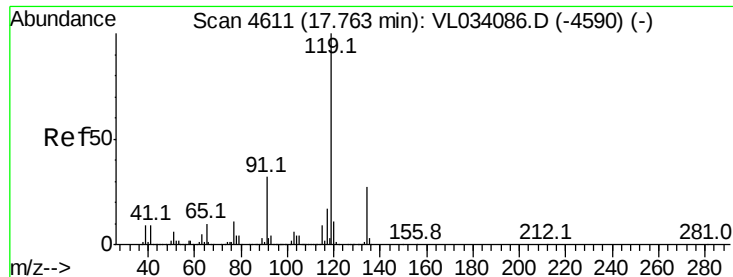
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.478 ppbv
 RT: 14.52 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion: 95 Resp: 2012981
 Ion Ratio Lower Upper
 95 100
 174 65.4 53.0 79.6
 175 5.0 4.2 6.2





#69

p-Isopropyltoluene

Concen: 7.871 ppbv

RT: 17.76 min Scan# 4610

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

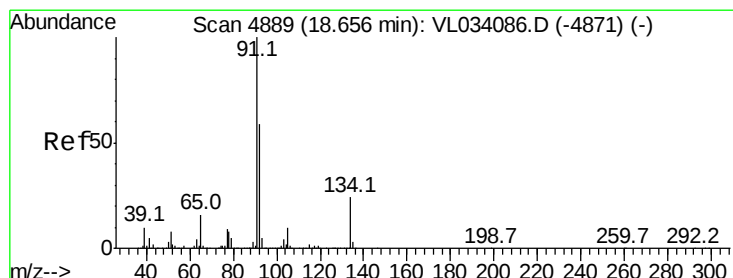
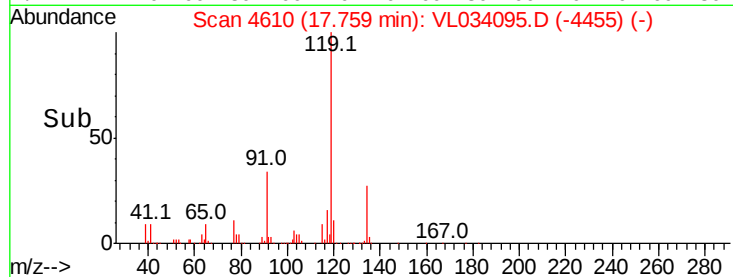
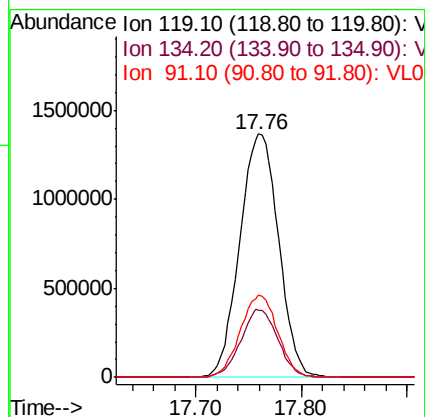
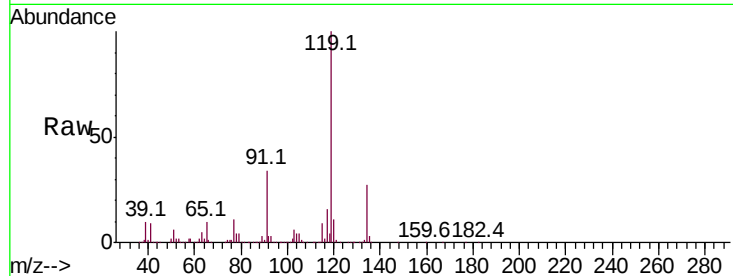
ClientSampleId :

VL0805ABS01

Tot Ion:	119	Resp:	3499157
Ion Ratio	Lower	Upper	
119	100		
134	26.7	21.3	31.9
91	32.7	25.4	38.0

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#70

n-Butylbenzene

Concen: 8.090 ppbv

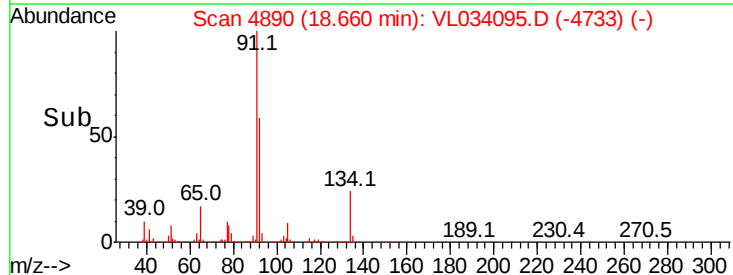
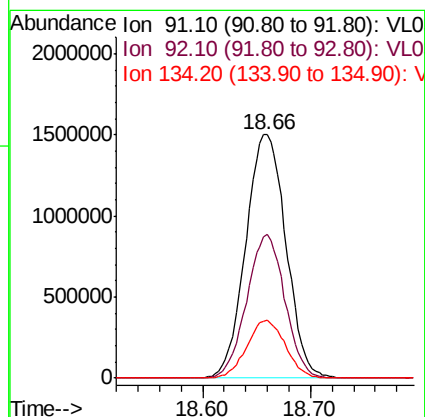
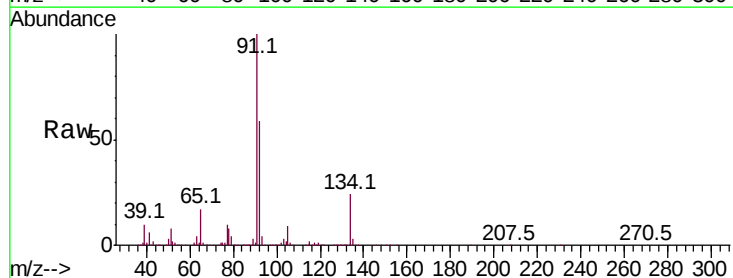
RT: 18.66 min Scan# 4890

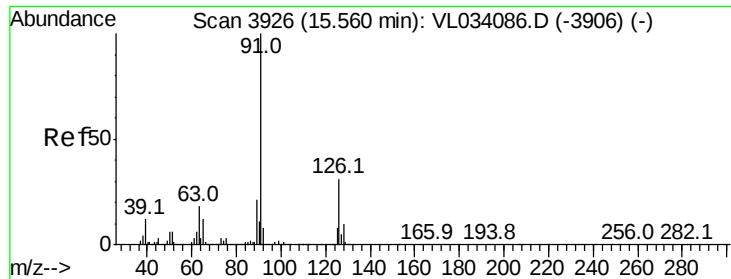
Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion:	91	Resp:	3879174
Ion Ratio	Lower	Upper	
91	100		
92	56.1	45.9	68.9
134	22.8	19.0	28.4





#71

2-Chlorotoluene

Concen: 8.048 ppbv

RT: 15.56 min Scan# 3926

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion: 91 Resp: 2774320

Ion Ratio Lower Upper

91 100

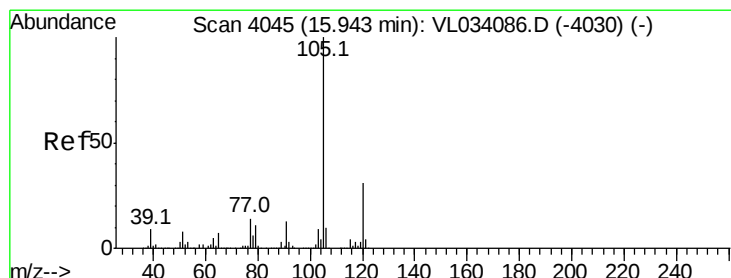
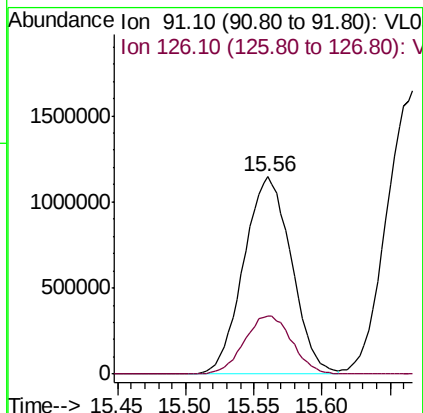
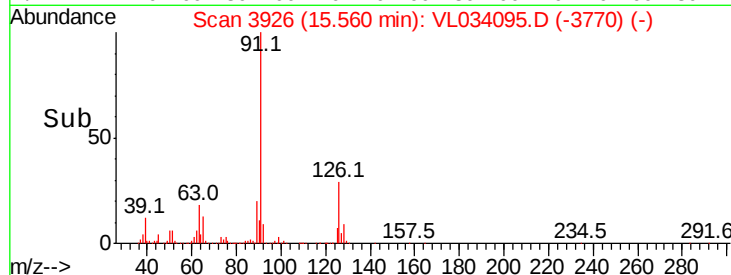
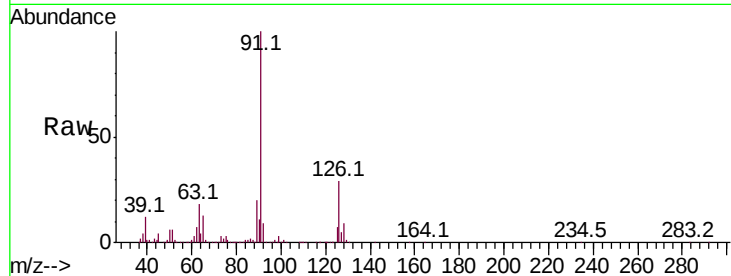
126 29.7 12.2 48.6

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#72

4-Ethyltoluene

Concen: 8.095 ppbv

RT: 15.95 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 3042889

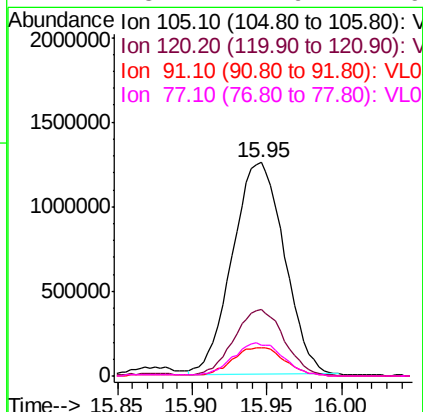
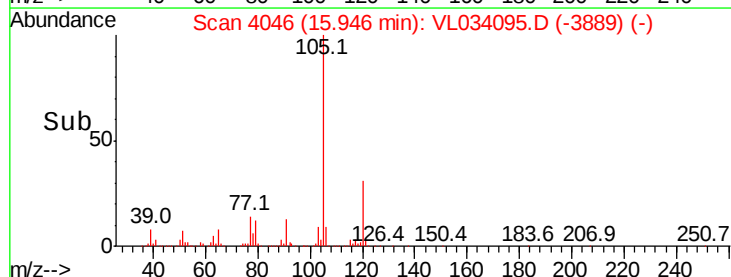
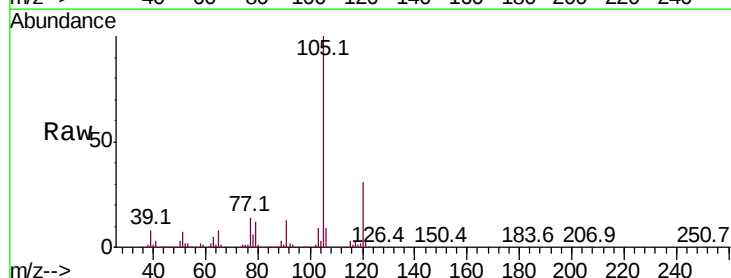
Ion Ratio Lower Upper

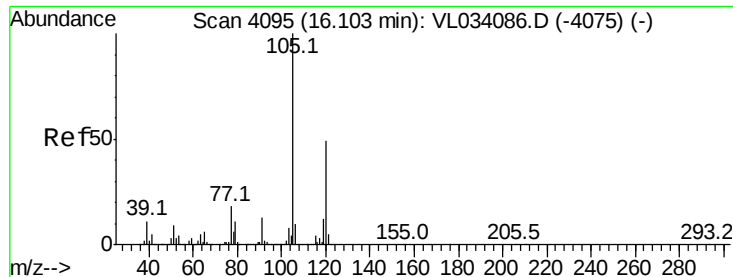
105 100

120 30.4 24.2 36.2

91 13.4 10.5 15.7

77 15.7 11.9 17.9





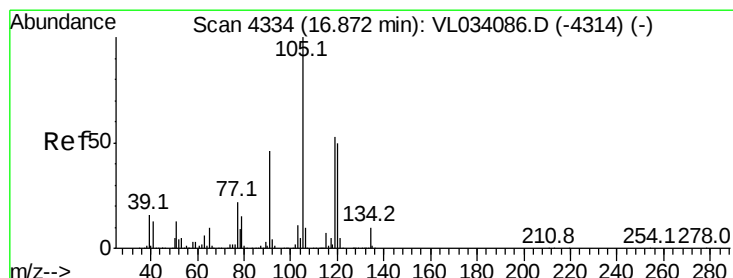
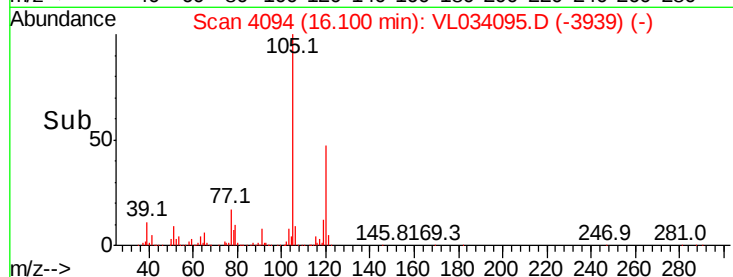
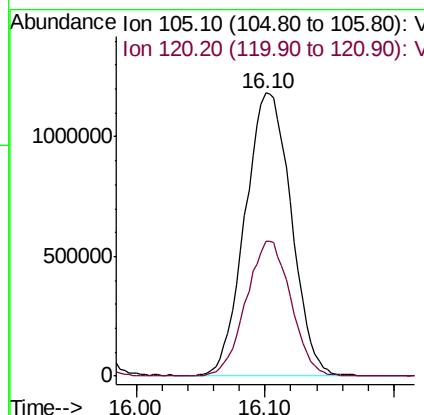
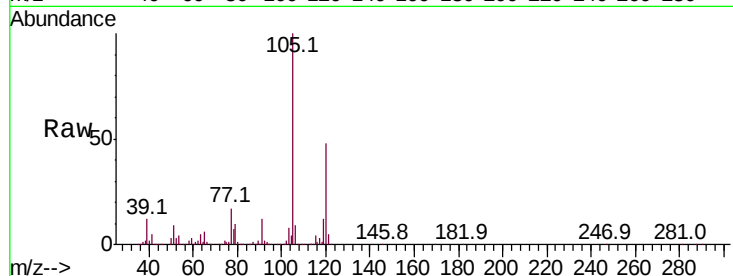
#73
 1,3,5-Trimethylbenzene
 Concen: 8.107 ppbv
 RT: 16.10 min Scan# 4094
 Delta R.T. -0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion:105 Resp: 2931417
 Ion Ratio Lower Upper
 105 100
 120 47.5 39.0 58.4

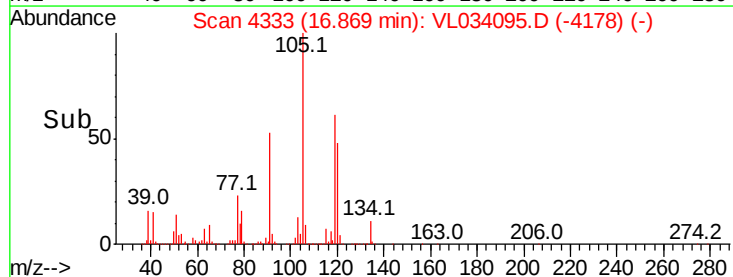
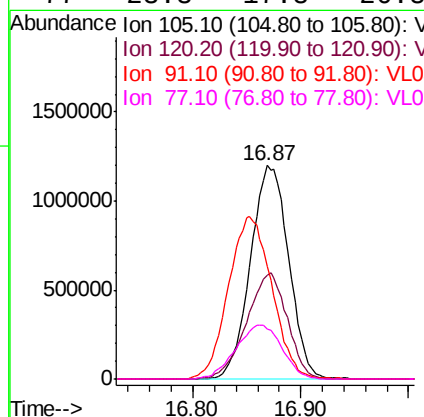
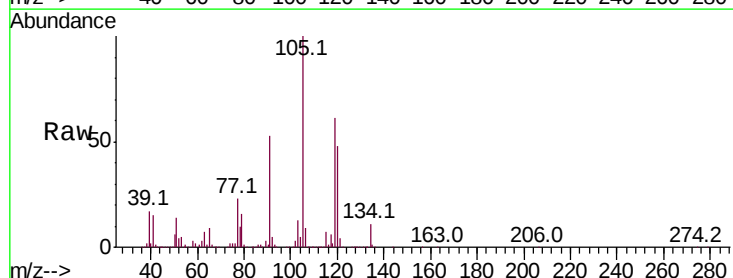
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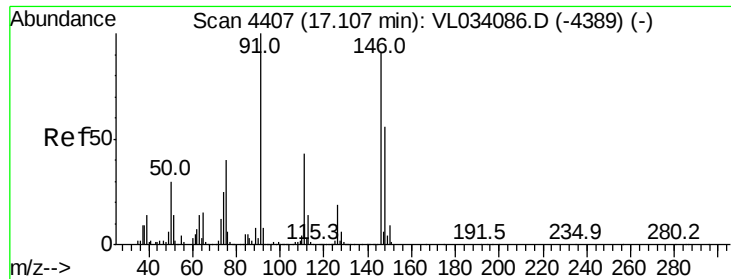
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.824 ppbv
 RT: 16.87 min Scan# 4333
 Delta R.T. -0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Tgt Ion:105 Resp: 2943377
 Ion Ratio Lower Upper
 105 100
 120 48.1 40.2 60.4
 91 52.5 38.1 57.1
 77 23.3 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 8.056 ppbv

RT: 17.11 min Scan# 4408

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion:146 Resp: 1697451

Ion Ratio Lower Upper

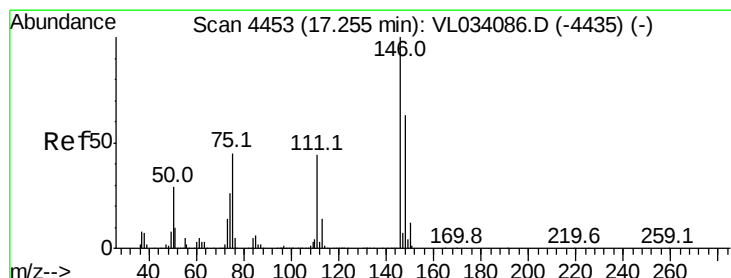
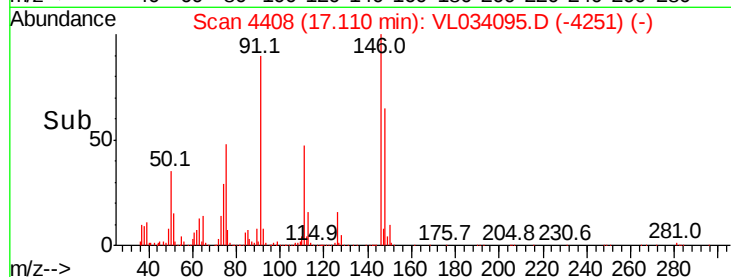
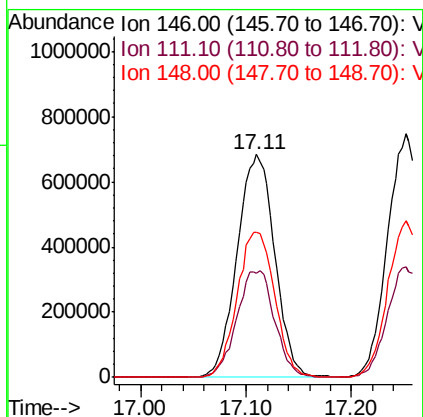
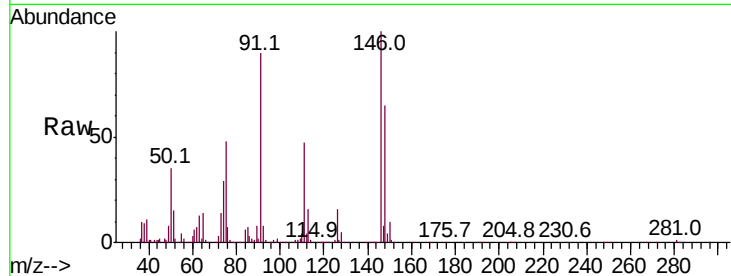
146 100

111 48.2 23.8 71.5

148 65.2 32.4 97.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.111 ppbv

RT: 17.25 min Scan# 4452

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

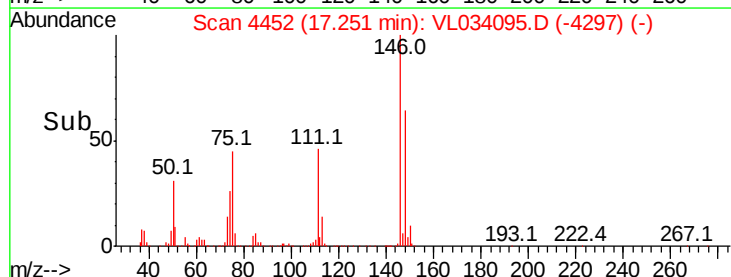
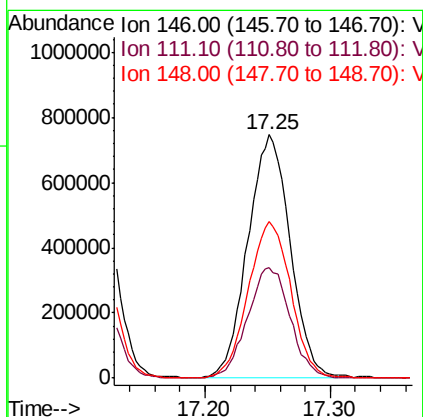
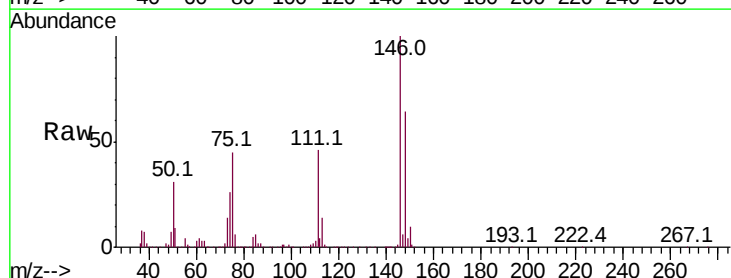
Tgt Ion:146 Resp: 1746273

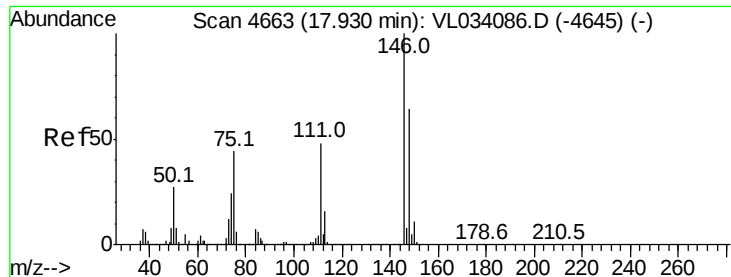
Ion Ratio Lower Upper

146 100

111 45.8 23.2 69.5

148 65.2 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.144 ppbv

RT: 17.93 min Scan# 4663

Delta R.T. 0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

VL0805ABS01

Tot Ion:146 Resp: 1691598

Ion Ratio Lower Upper

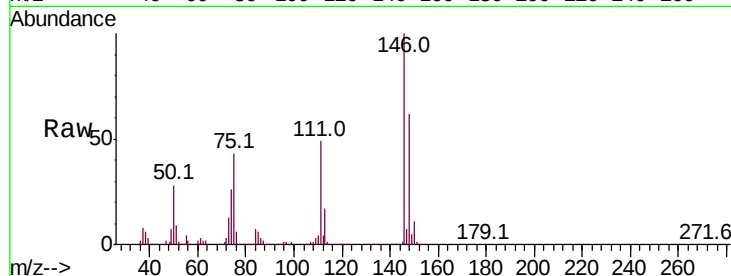
146 100

111 49.0 24.0 72.0

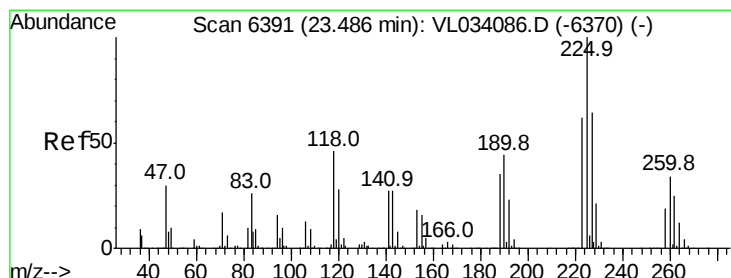
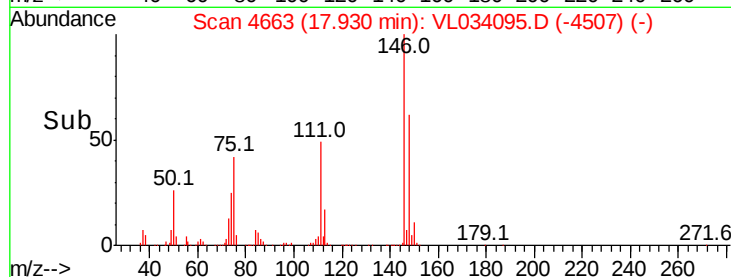
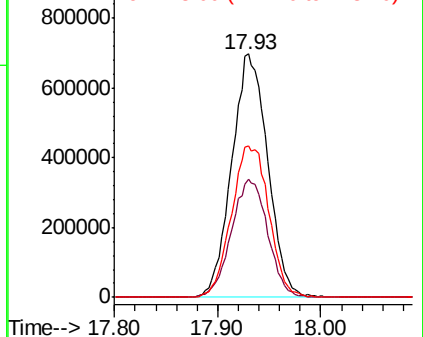
148 64.9 31.9 95.7

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



#78

Hexachloro-1,3-Butadiene

Concen: 7.109 ppbv

RT: 23.48 min Scan# 6390

Delta R.T. -0.00 min

Lab File: VL034095.D

Acq: 5 Aug 2019 21:07

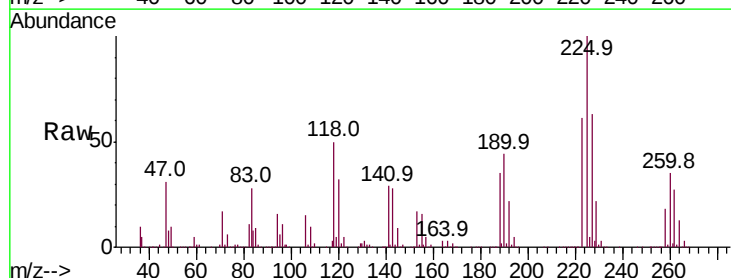
Tgt Ion:225 Resp: 1170527

Ion Ratio Lower Upper

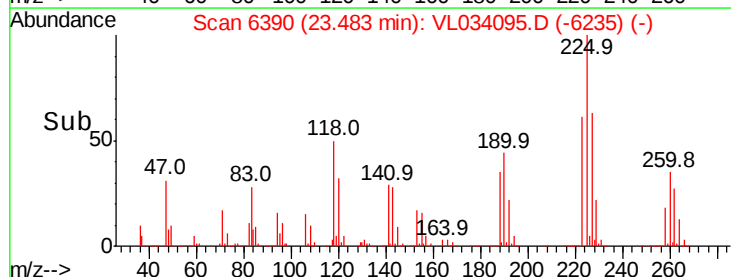
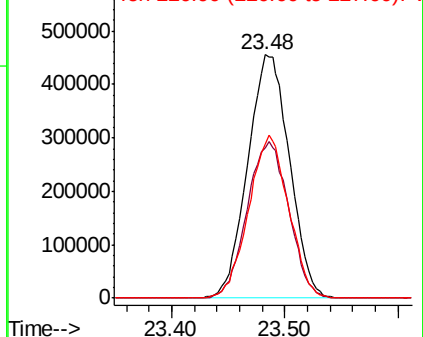
225 100

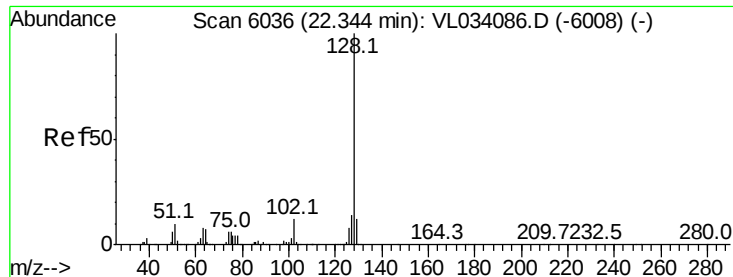
223 64.1 50.8 76.2

227 63.9 52.2 78.2



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





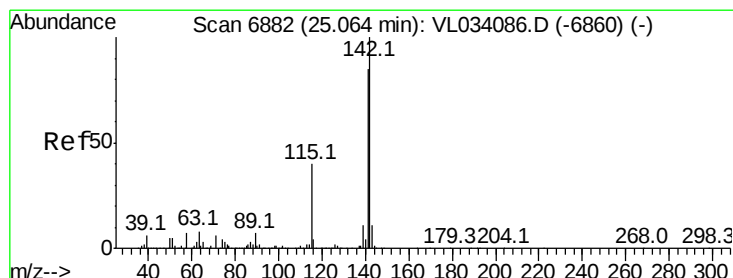
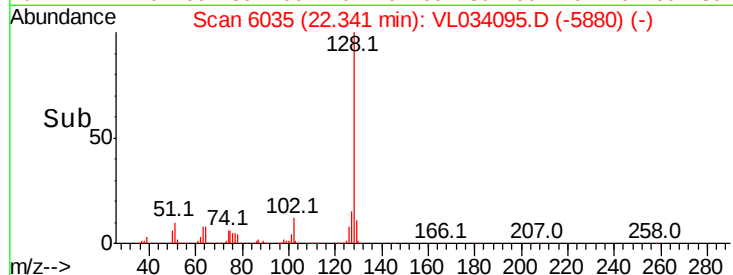
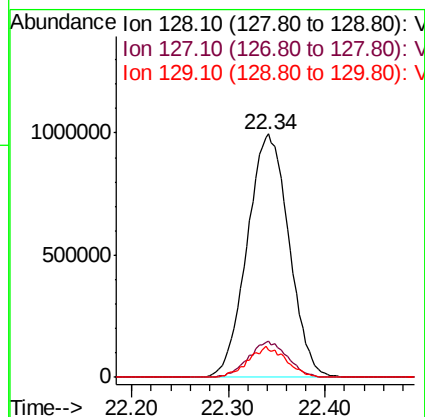
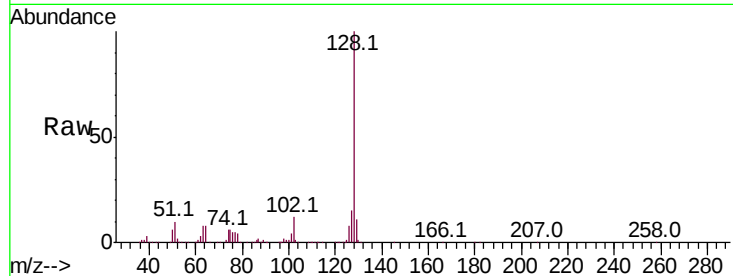
#79
Naphthalene
Concen: 7.637 ppbv
RT: 22.34 min Scan# 6035
Delta R.T. -0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABS01

Tot Ion:	128	Resp:	2983492
Ion	Ratio	Lower	Upper
128	100		
127	14.6	11.0	16.6
129	11.0	9.2	13.8

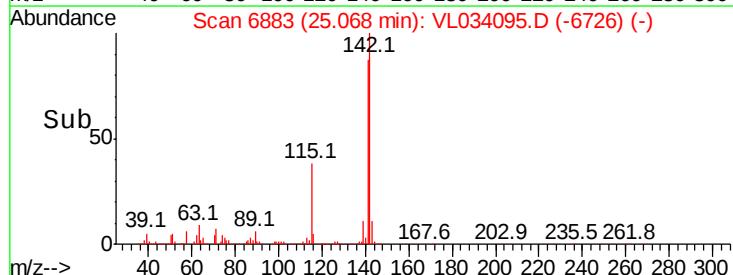
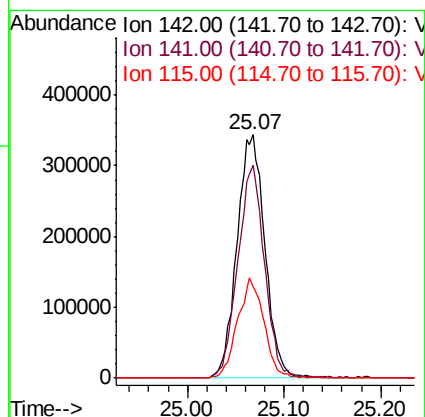
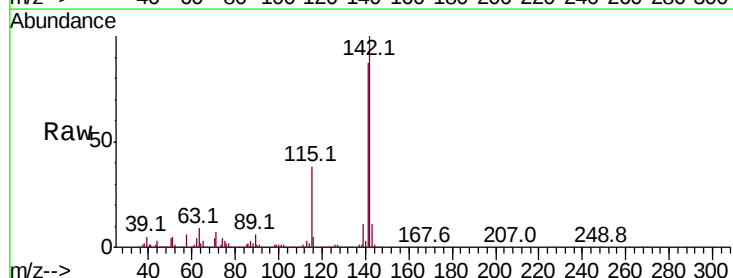
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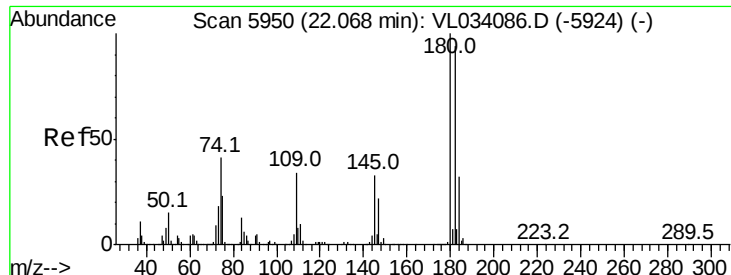
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#80
Naphthalene, 2-methyl-
Concen: 5.634 ppbv
RT: 25.07 min Scan# 6883
Delta R.T. 0.00 min
Lab File: VL034095.D
Acq: 5 Aug 2019 21:07

Tgt Ion:	142	Resp:	690287
Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.1	99.1
115	39.2	30.8	46.2





#81
 1,2,4-Trichlorobenzene
 Concen: 7.833 ppbv
 RT: 22.06 min Scan# 5949
 Delta R.T. -0.00 min
 Lab File: VL034095.D
 Acq: 5 Aug 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0805ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
184	31.0	25.0	37.4

Manual Integrations
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