

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\
 Data File : VL034046.D
 Acq On : 18 Jul 2019 10:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:37:30 AM

Quant Time: Jul 18 12:18:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1099511	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.25	114	2823217	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.19	117	2640018	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.53	95	2030956	9.02	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1873649	8.258	ppbv	96
3) Chlorodifluoromethane	2.99	51	1256715	9.256	ppbv	99
4) Chloromethane	3.15	50	632650	8.103	ppbv	100
5) Vinyl Chloride	3.27	62	718253	8.182	ppbv	99
6) Bromomethane	3.49	94	482164	9.314	ppbv	98
7) Chloroethane	3.58	64	287483	9.163	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	1933253	8.739	ppbv	98
9) Propene	3.02	41	436601	8.741	ppbv	97
10) Heptane	8.20	43	1251169	10.004	ppbv	99
11) Trichlorofluoromethane	3.98	101	2037427	7.985	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1493265	8.269	ppbv	99
13) Ethanol	3.62	45	155999	10.054	ppbv	95
14) Bromoethene	3.76	108	610940	9.059	ppbv	98
15) Acetone	3.87	43	1447943	7.833	ppbv	100
16) 1,3-Butadiene	3.34	39	606702	9.294	ppbv	98
17) tert-Butyl alcohol	4.33	59	1392054	9.445	ppbv	98
18) 1,1-Dichloroethene	4.32	96	681316	8.470	ppbv	94
19) Isopropyl Alcohol	4.00	45	1031774	8.315	ppbv	99
20) Methylene Chloride	4.38	84	577859	7.167	ppbv	96
21) Allyl Chloride	4.45	41	994525	8.628	ppbv	98
22) trans-1,2-Dichloroethene	4.93	96	670847	8.753	ppbv	94
23) Vinyl Acetate	5.12	43	1766768	9.575	ppbv	99
24) 1,1-Dichloroethane	5.06	63	1463713	8.951	ppbv	100
25) Ethyl Acetate	5.73	43	2326354	9.201	ppbv	99
26) Hexane	5.74	57	1099096	9.499	ppbv	96
27) Carbon Disulfide	4.59	76	1738397	8.838	ppbv	99
28) Methyl tert-Butyl Ether	5.08	73	1882565	9.608	ppbv	99
29) Chloroform	5.82	83	1903527	8.754	ppbv	97
30) Cyclohexane	7.20	84	916297m	10.254	ppbv	
31) cis-1,2-Dichloroethene	5.61	61	1084321	9.700	ppbv	98
32) 1,1,1-Trichloroethane	6.58	97	1913891	8.684	ppbv	99
34) 2-Butanone	5.30	43	1420851	9.509	ppbv	99
35) Carbon Tetrachloride	7.09	117	2011924	9.002	ppbv	97
36) Benzene	6.97	78	2195762	9.940	ppbv	98
37) 1,2-Dichloroethane	6.38	62	1461479	8.980	ppbv	99
38) Trichloroethene	7.92	130	945922	9.624	ppbv	98
39) 1,2-Dichloropropane	7.70	63	802290	9.767	ppbv	97
40) 1,4-Dioxane	7.91	88	344023	9.071	ppbv #	99
41) Tetrahydrofuran	6.11	42	764460	10.433	ppbv	99
42) Bromodichloromethane	7.88	83	2079128	9.522	ppbv	96
43) Methyl Methacrylate	8.10	69	887662	10.591	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.95	57	3772728	9.894	ppbv	100
45) t-1,3-Dichloropropene	9.37	75	1496048	13.650	ppbv	92
46) cis-1,3-Dichloropropene	8.80	75	1300692	10.247	ppbv	99
47) 1,1,2-Trichloroethane	9.57	97	861820	8.344	ppbv	95
48) Dibromochloromethane	10.41	129	1623283	8.237	ppbv	99
49) Bromoform	13.15	173	1475148	8.762	ppbv	100
50) 4-Methyl-2-Pentanone	8.83	43	2192448	9.888	ppbv	100
51) 2-Hexanone	10.23	43	1605846	8.981	ppbv #	98
52) Tetrachloroethene	11.33	164	803122m	8.447	ppbv	
53) Toluene	9.90	91	2418583	9.564	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1352332	8.872	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.23	131	1105630	9.370	ppbv	97
57) Chlorobenzene	12.25	112	1885881	8.972	ppbv	98
58) Ethyl Benzene	12.82	91	3354237	10.565	ppbv	99
59) m/p-Xylene	13.10	91	5666961m	19.714	ppbv	
60) o-Xylene	13.80	91	2797318	9.727	ppbv	99
61) Styrene	13.64	104	1966791	10.334	ppbv	100
62) Isopropylbenzene	14.78	105	3789777	8.573	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.79	83	1937061	8.702	ppbv	99
64) n-propylbenzene	15.68	120	992121	8.654	ppbv	97
65) tert-Butylbenzene	16.86	119	3585402	9.538	ppbv	100
66) Benzyl Chloride	17.11	91	1535165	7.982	ppbv	99
67) sec-Butylbenzene	17.42	105	5034861	9.542	ppbv	99
69) p-Isopropyltoluene	17.77	119	4140118	9.516	ppbv	100
70) n-Butylbenzene	18.67	91	4279183	9.363	ppbv	99
71) 2-Chlorotoluene	15.57	91	2937638	9.080	ppbv	99
72) 4-Ethyltoluene	15.95	105	3309968	8.963	ppbv	98
73) 1,3,5-Trimethylbenzene	16.11	105	3223531	9.381	ppbv	100
74) 1,2,4-Trimethylbenzene	16.88	105	3376745	8.873	ppbv #	91
75) 1,3-Dichlorobenzene	17.12	146	1959371	8.105	ppbv	100
76) 1,4-Dichlorobenzene	17.26	146	1890293	8.302	ppbv	100
77) 1,2-Dichlorobenzene	17.94	146	1859748	8.308	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	1536192	8.065	ppbv	99
79) Naphthalene	22.35	128	2608907	8.154	ppbv	99
80) Naphthalene, 2-methyl-	25.08	142	699248	6.005	ppbv	97
81) 1,2,4-Trichlorobenzene	22.08	180	1561444	7.598	ppbv	99

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

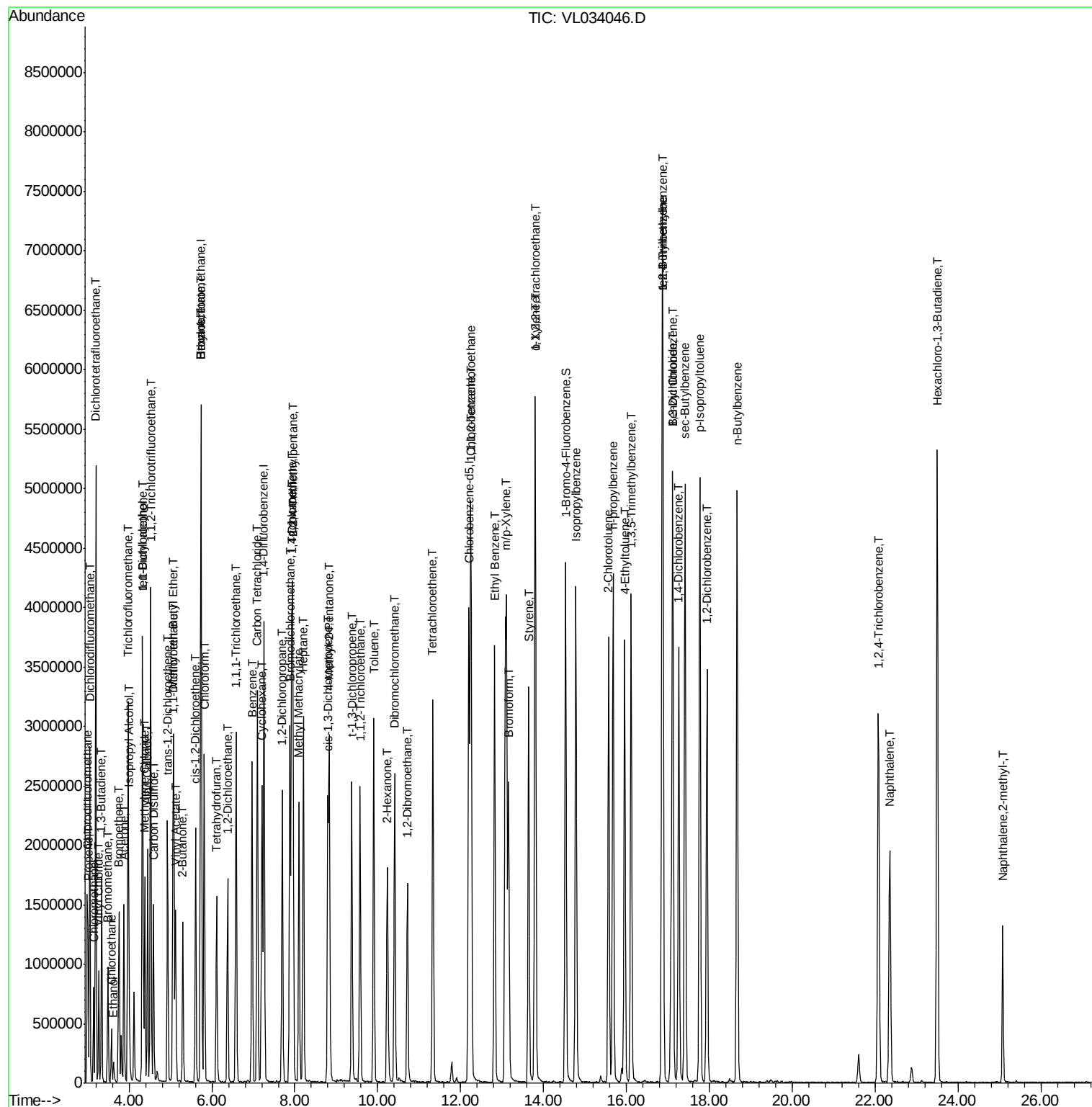
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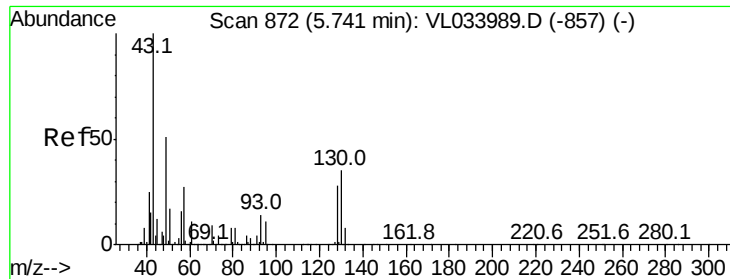
Instrument :
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ClientSampleId :
VSTDCCC010EC

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QLast Update : Tue Jul 02 19:31:31 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 868

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1099511

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

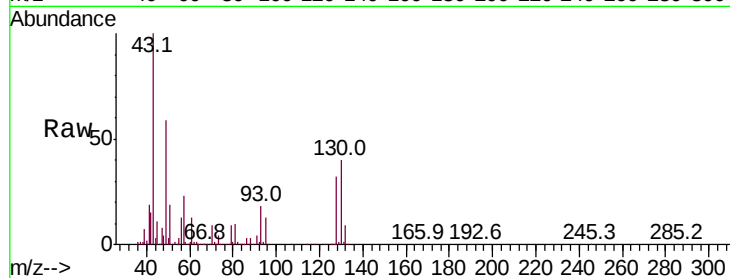
130 70.1 35.8 107.4

Manual Integrations

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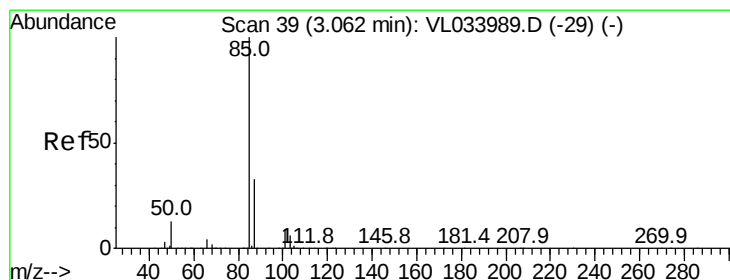
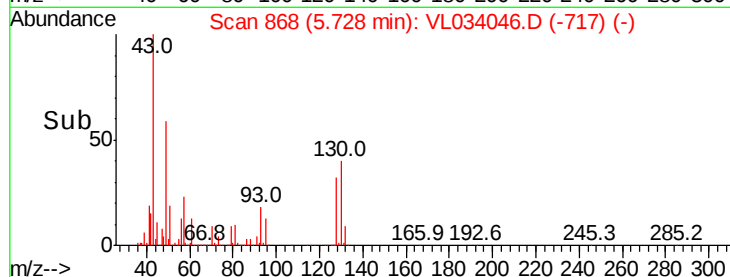
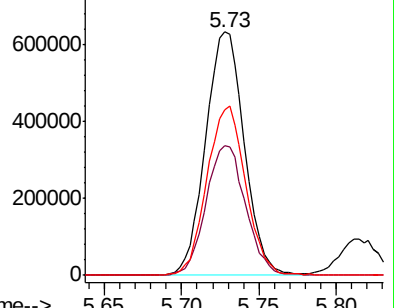
7/19/2019 1:37:30 AM



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: 8.258 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034046.D

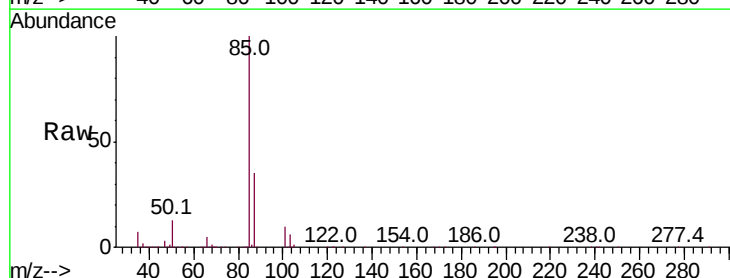
Acq: 18 Jul 2019 10:38

Tgt Ion: 85 Resp: 1873649

Ion Ratio Lower Upper

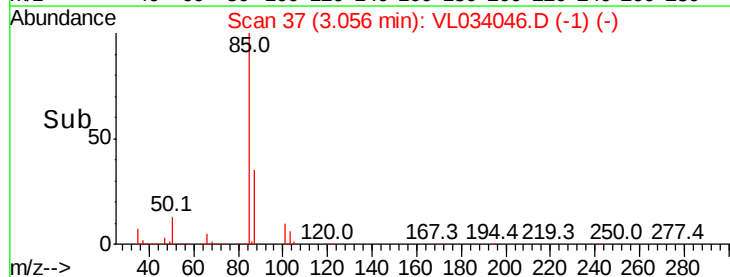
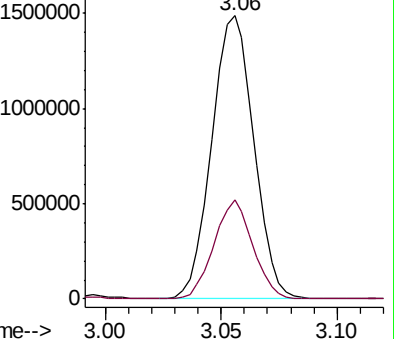
85 100

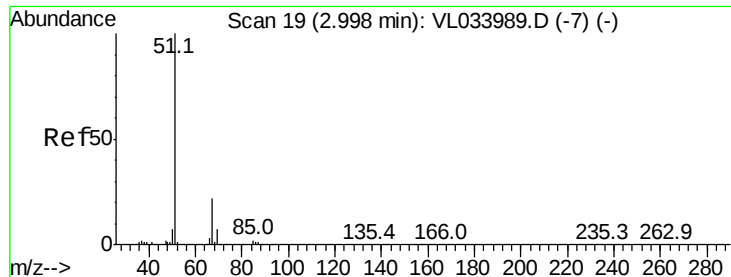
87 34.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





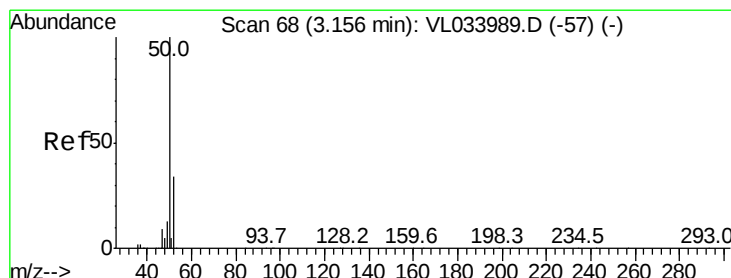
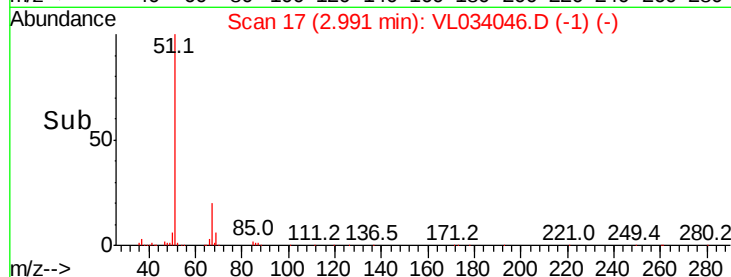
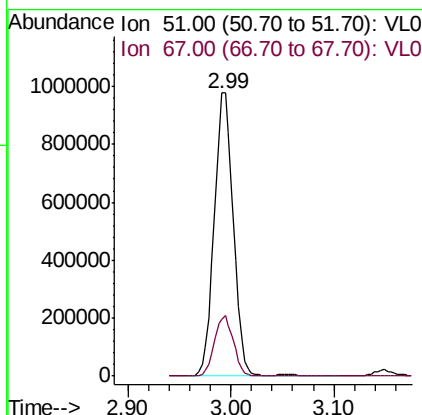
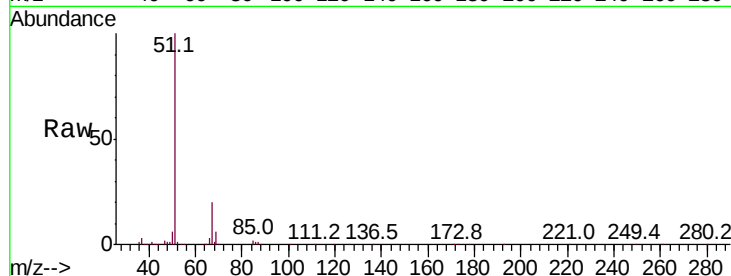
#3
Chlorodifluoromethane
Concen: 9.256 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
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ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1256715
Ion Ratio Lower Upper
51 100
67 21.1 17.3 25.9

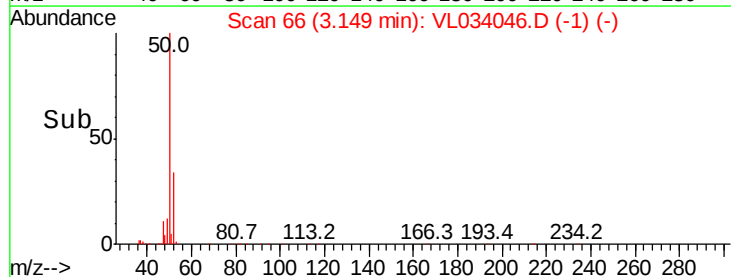
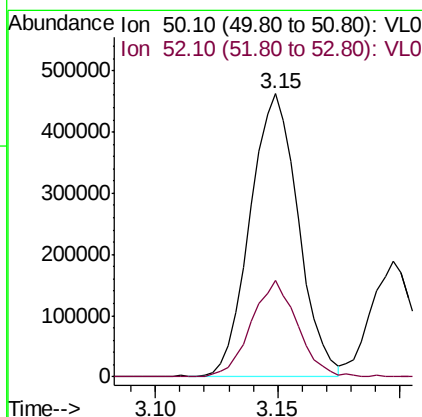
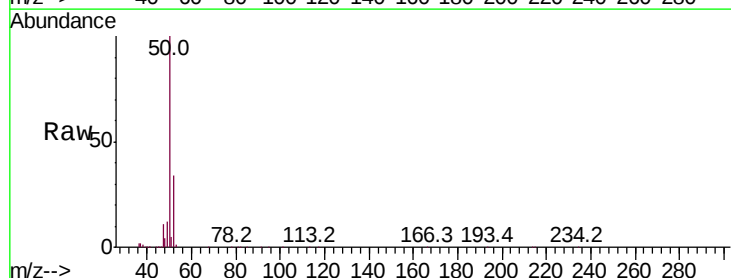
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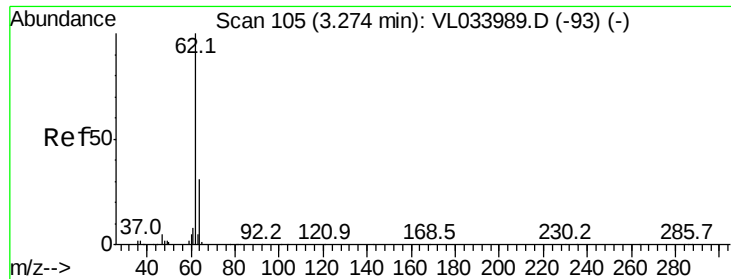
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#4
Chloromethane
Concen: 8.103 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion: 50 Resp: 632650
Ion Ratio Lower Upper
50 100
52 34.3 27.4 41.0





#5

Vinyl Chloride

Concen: 8.182 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 718253

Ion Ratio Lower Upper

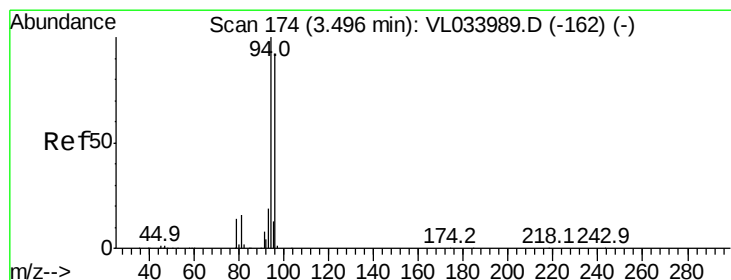
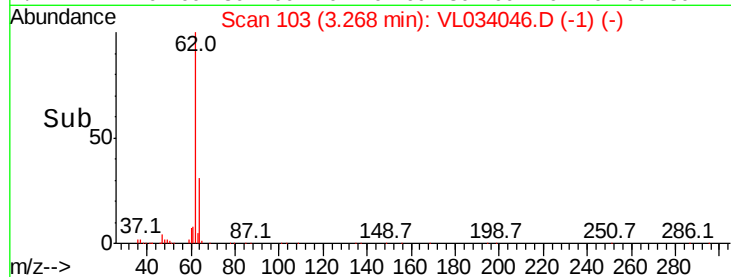
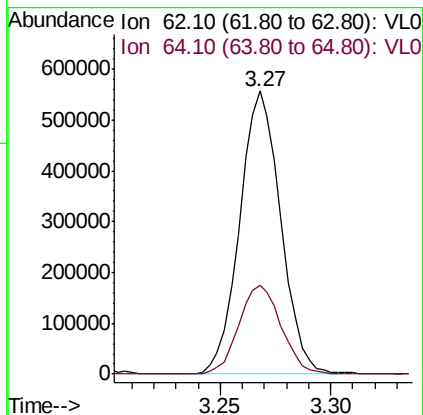
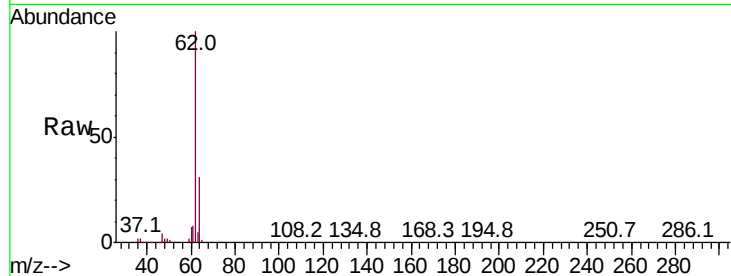
62 100

64 31.3 24.4 36.6

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#6

Bromomethane

Concen: 9.314 ppbv

RT: 3.49 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL034046.D

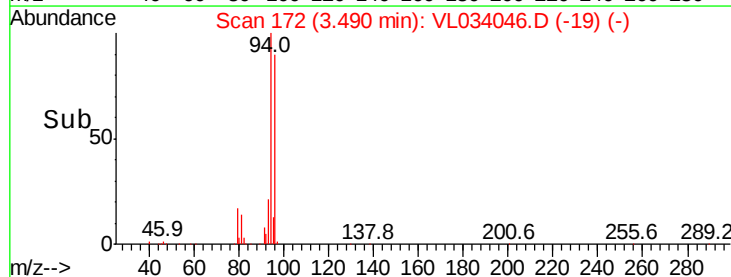
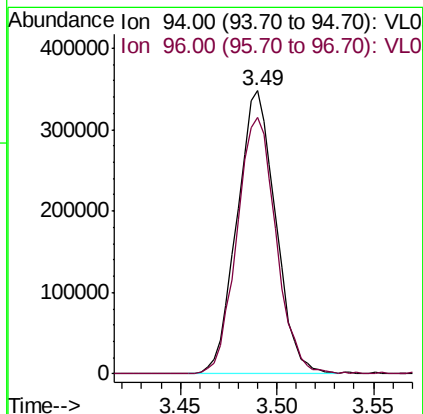
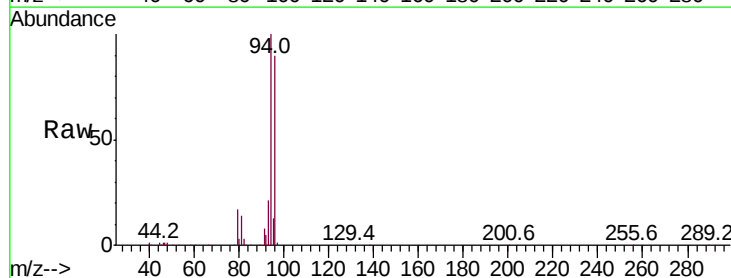
Acq: 18 Jul 2019 10:38

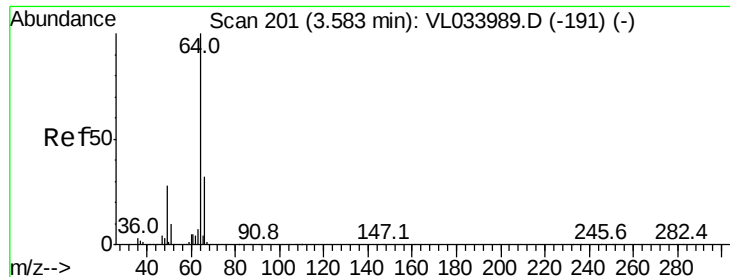
Tgt Ion: 94 Resp: 482164

Ion Ratio Lower Upper

94 100

96 90.3 73.8 110.8





#7

Chloroethane

Concen: 9.163 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

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Tot Ion: 64 Resp: 287483

Ion Ratio Lower Upper

64 100

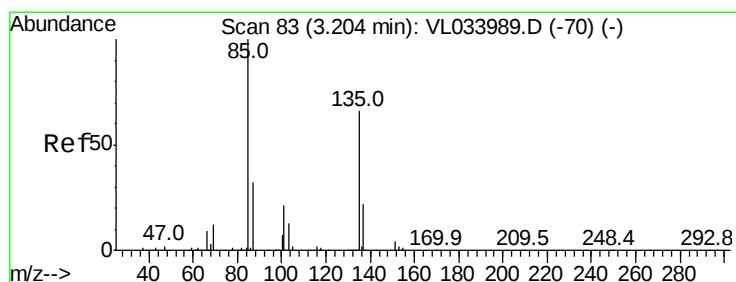
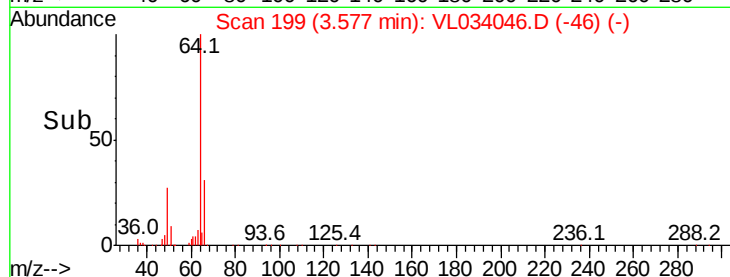
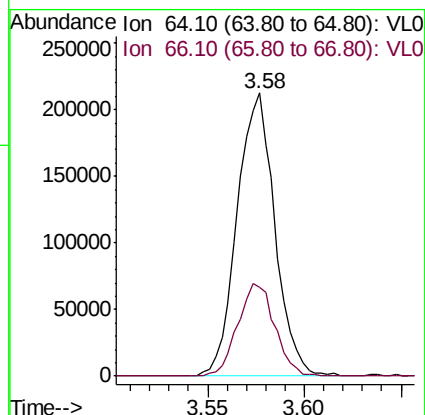
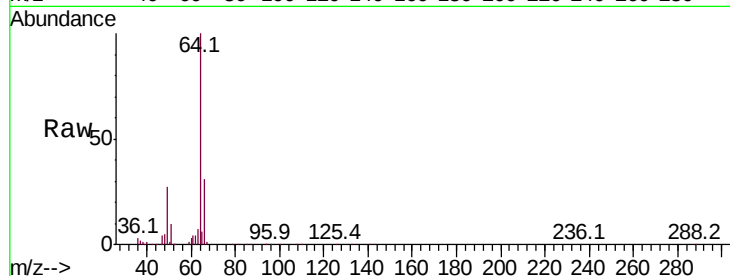
66 31.3 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.739 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034046.D

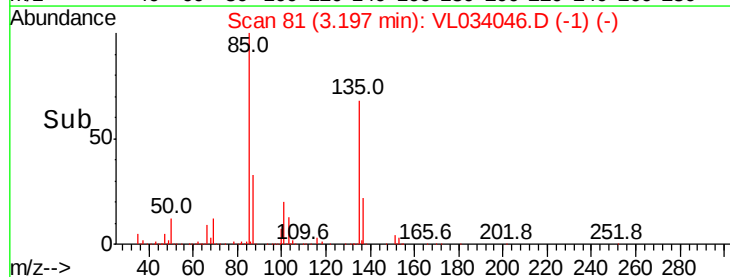
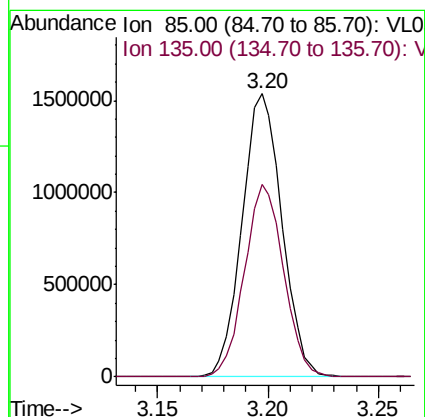
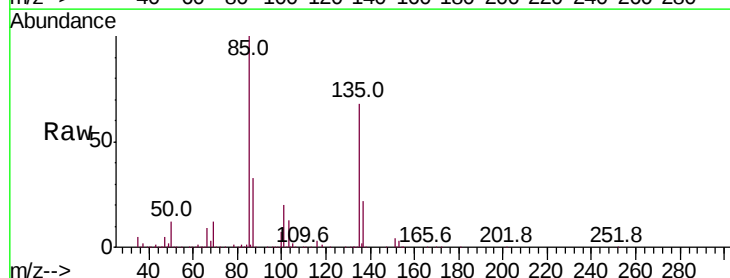
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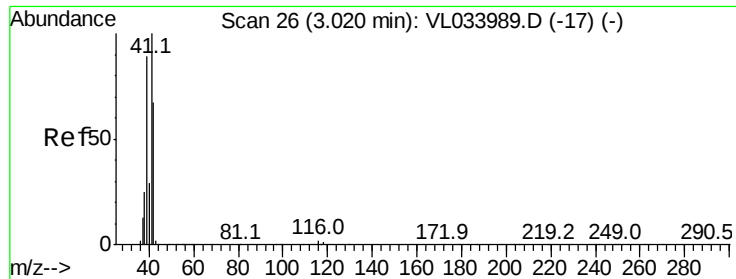
Tgt Ion: 85 Resp: 1933253

Ion Ratio Lower Upper

85 100

135 66.9 55.0 82.4





#9

Propene

Concen: 8.741 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 436601

Ion Ratio Lower Upper

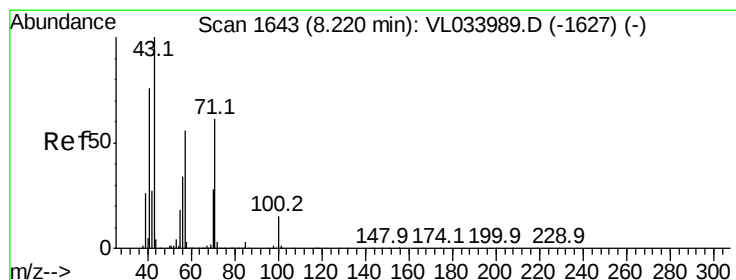
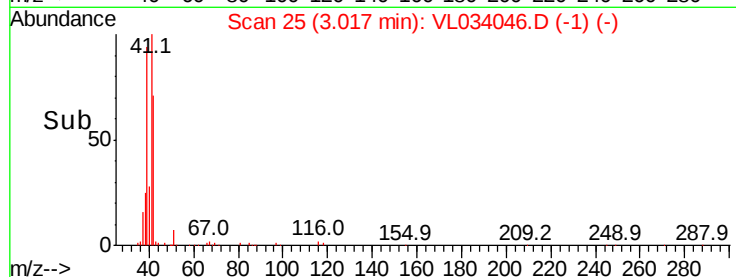
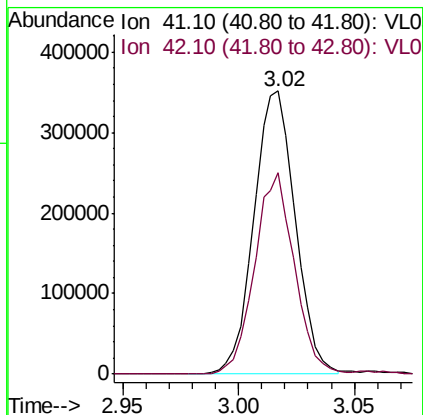
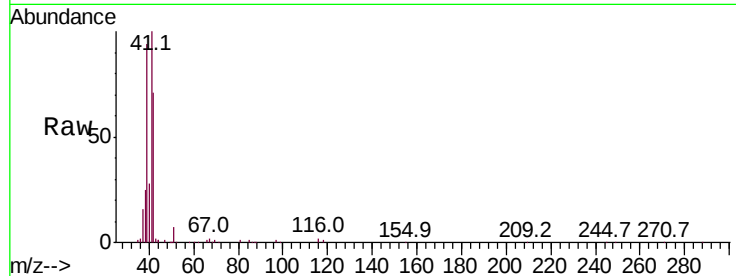
41 100

42 69.2 57.1 85.7

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#10

Heptane

Concen: 10.004 ppbv

RT: 8.20 min Scan# 1638

Delta R.T. -0.02 min

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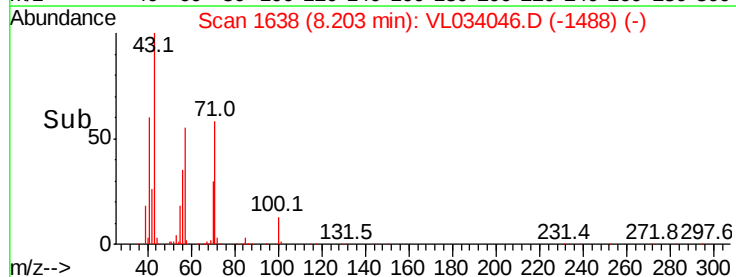
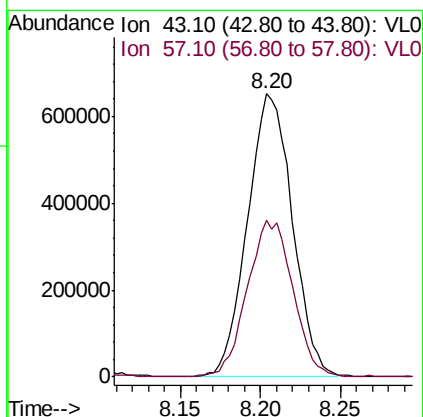
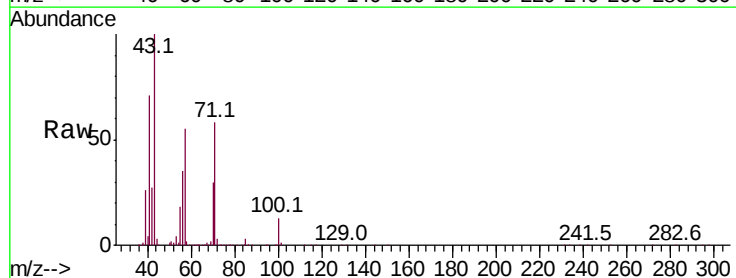
Acq: 18 Jul 2019 10:38

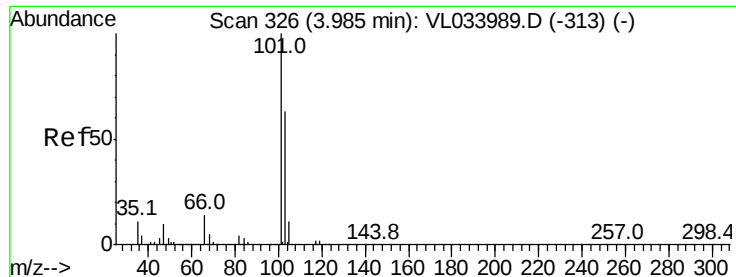
Tgt Ion: 43 Resp: 1251169

Ion Ratio Lower Upper

43 100

57 56.1 44.6 66.8





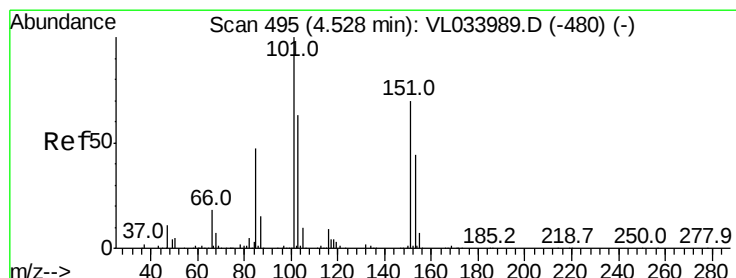
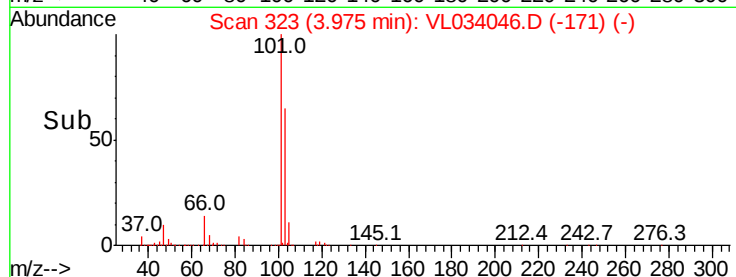
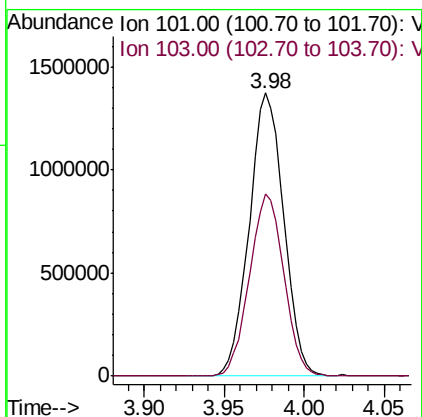
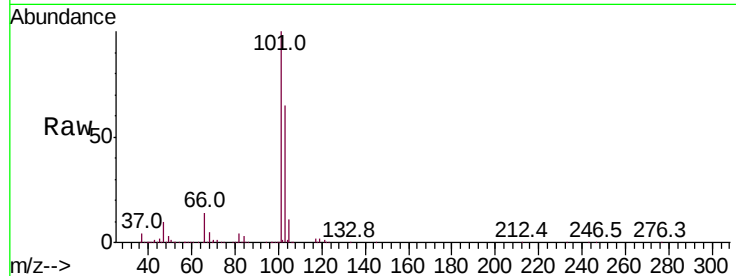
#11
 Trichlorofluoromethane
 Concen: 7.985 ppbv
 RT: 3.98 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2037427
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.8 76.2

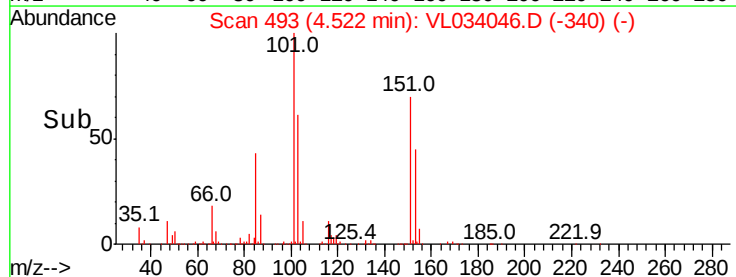
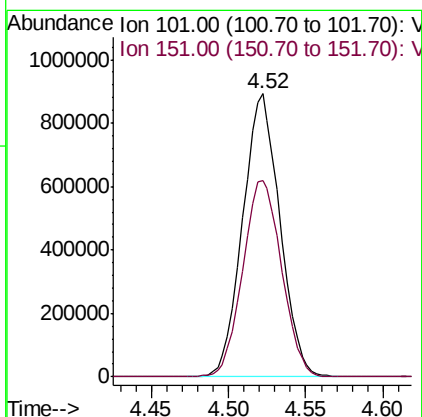
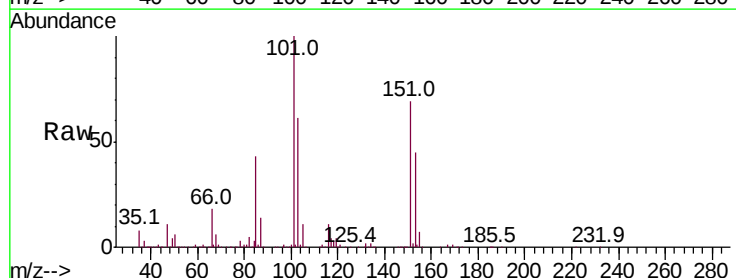
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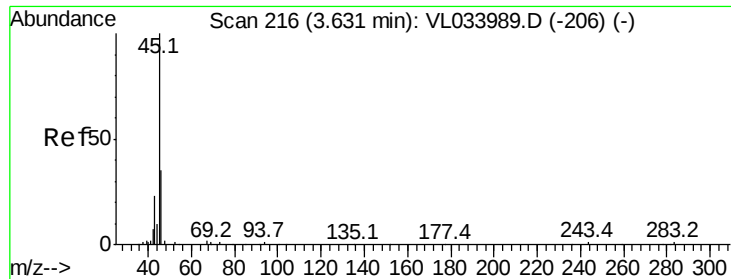
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.269 ppbv
 RT: 4.52 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Tgt Ion:101 Resp: 1493265
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.0 88.4





#13

Ethanol

Concen: 10.054 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 155999

Ion Ratio Lower Upper

45 100

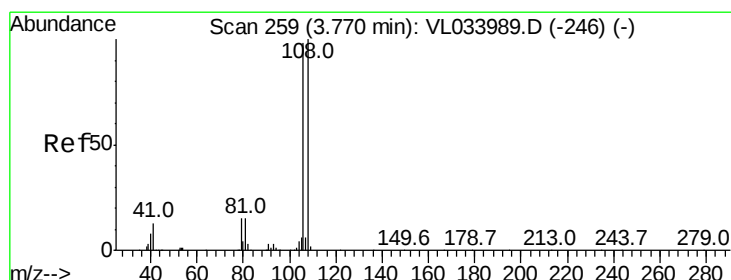
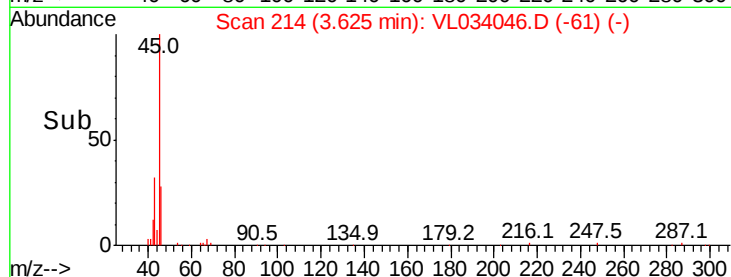
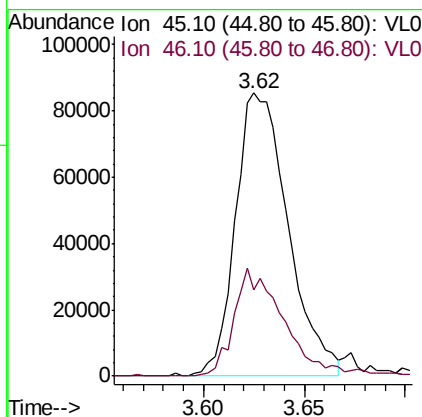
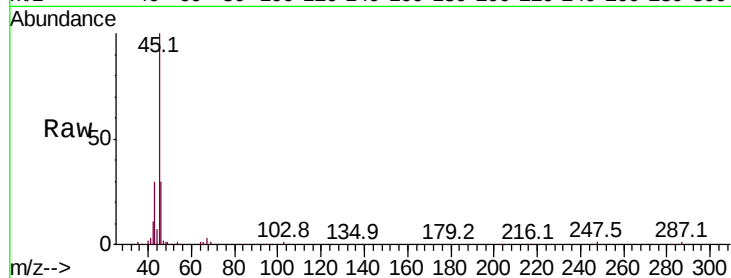
46 37.4 16.2 64.6

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#14

Bromoethene

Concen: 9.059 ppbv

RT: 3.76 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

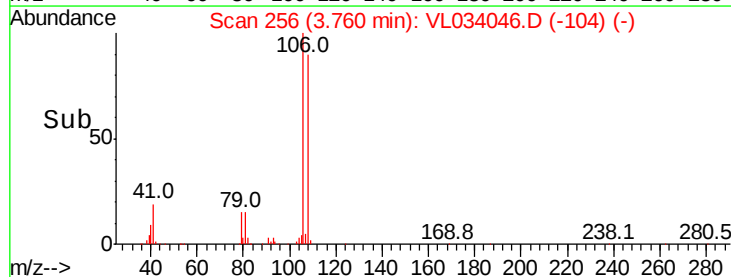
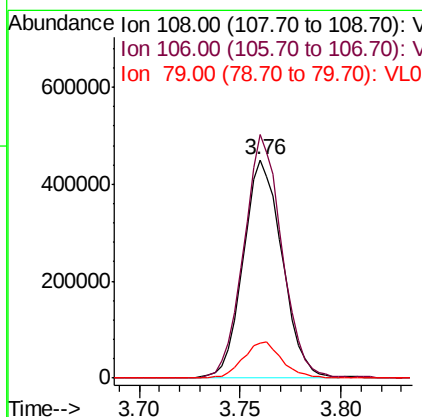
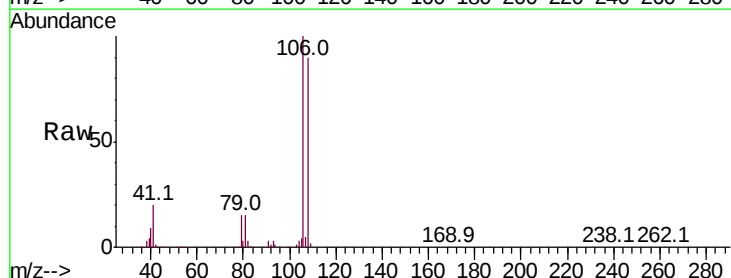
Tgt Ion: 108 Resp: 610940

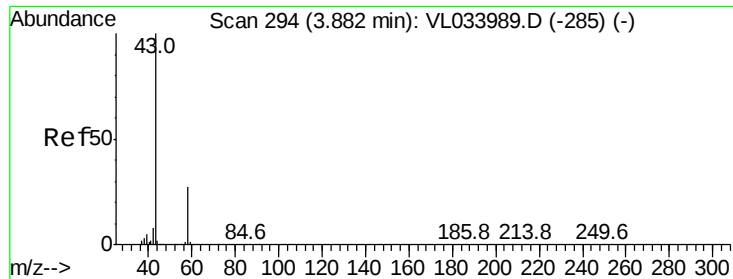
Ion Ratio Lower Upper

108 100

106 109.7 85.6 128.4

79 16.7 14.0 21.0





#15

Acetone

Concen: 7.833 ppbv

RT: 3.87 min Scan# 291

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1447943

Ion Ratio Lower Upper

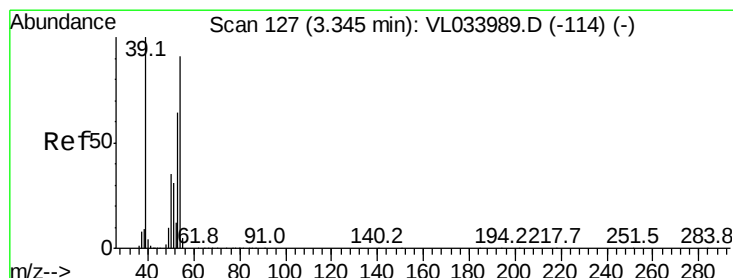
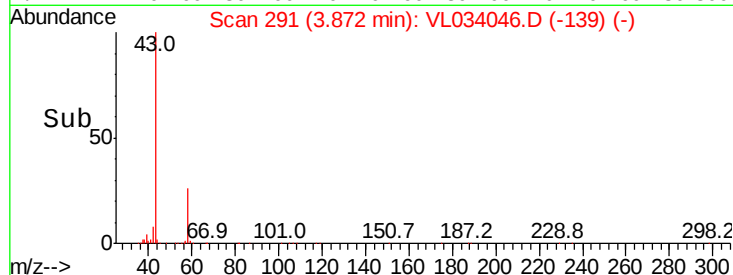
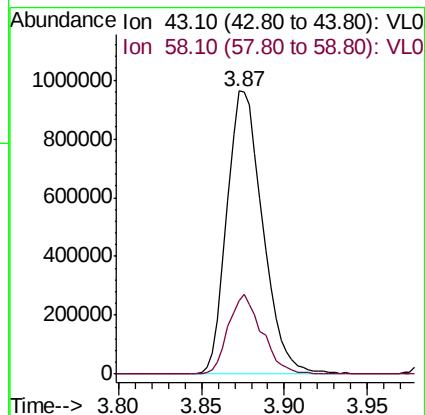
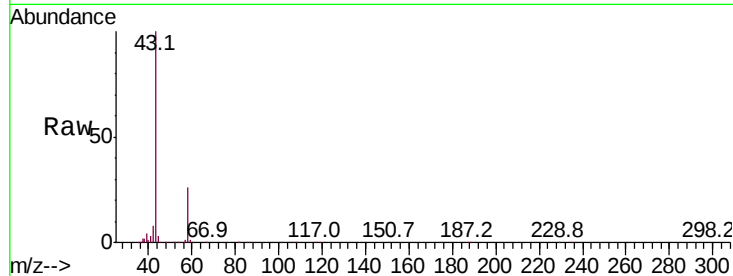
43 100

58 26.6 21.4 32.0

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#16

1,3-Butadiene

Concen: 9.294 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034046.D

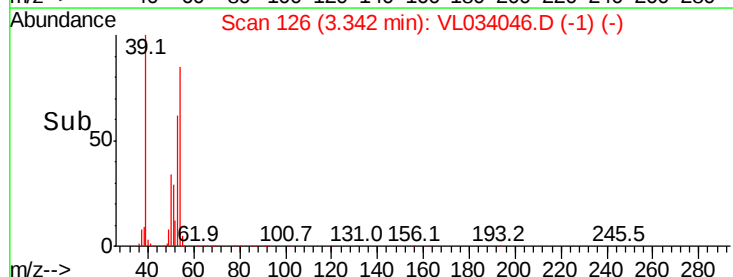
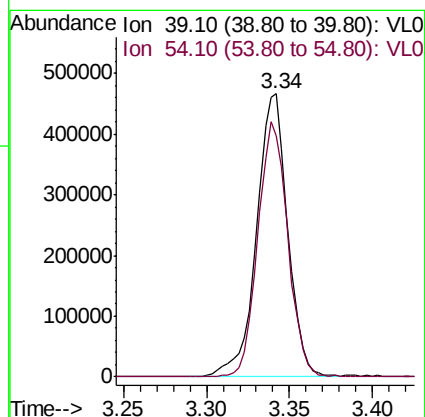
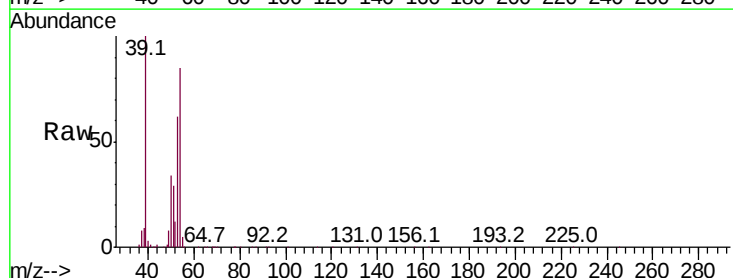
Acq: 18 Jul 2019 10:38

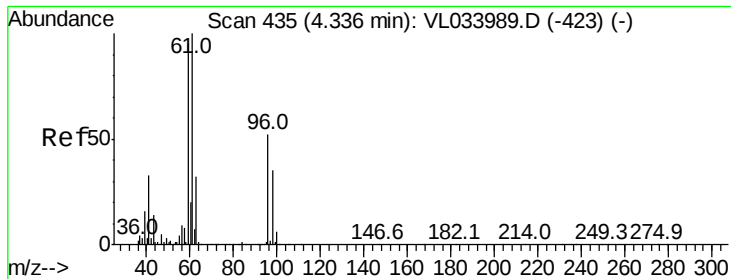
Tgt Ion: 39 Resp: 606702

Ion Ratio Lower Upper

39 100

54 87.1 71.4 107.2





#17

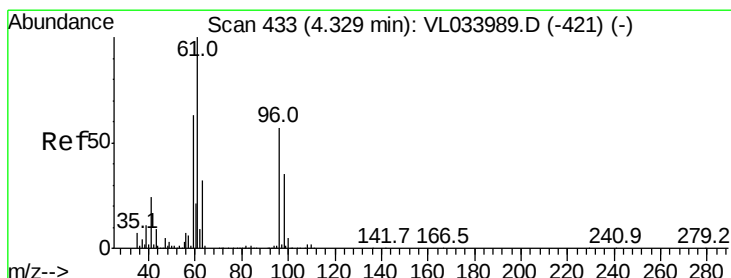
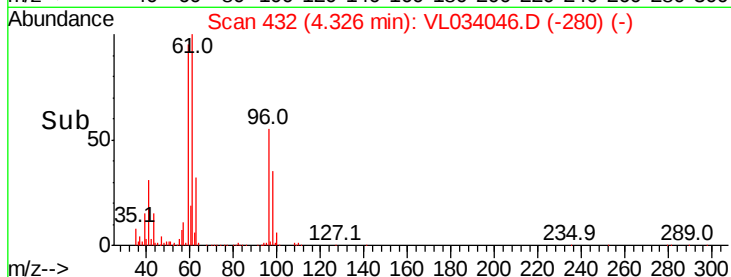
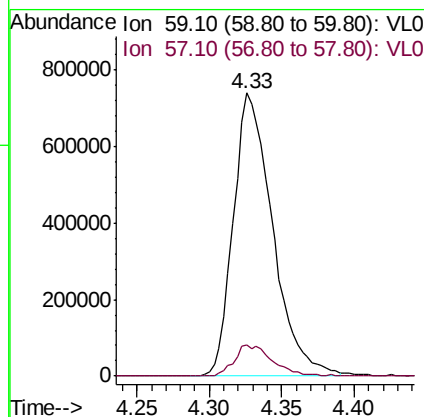
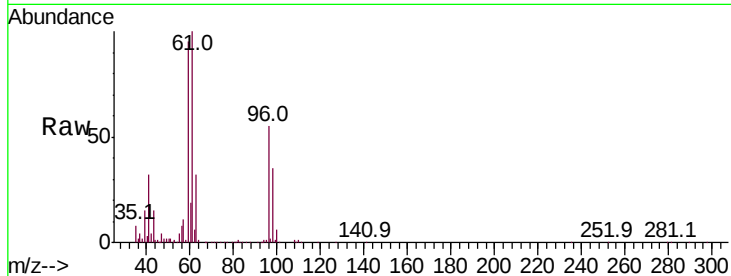
tert-Butyl alcohol
Concen: 9.445 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1392054
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

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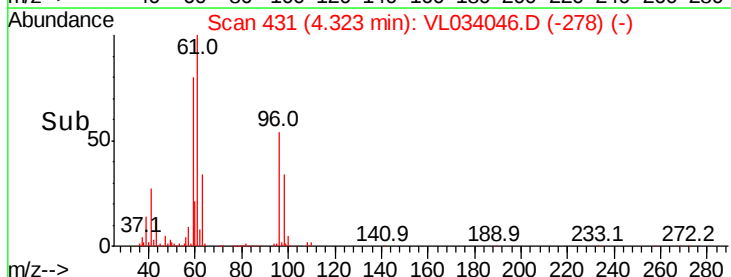
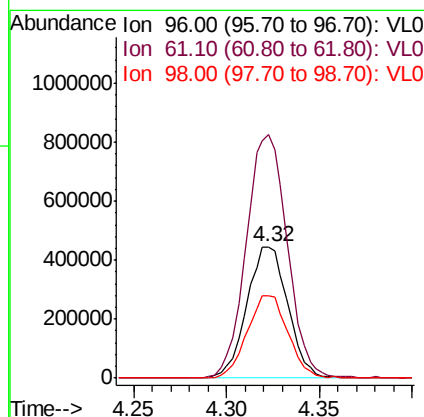
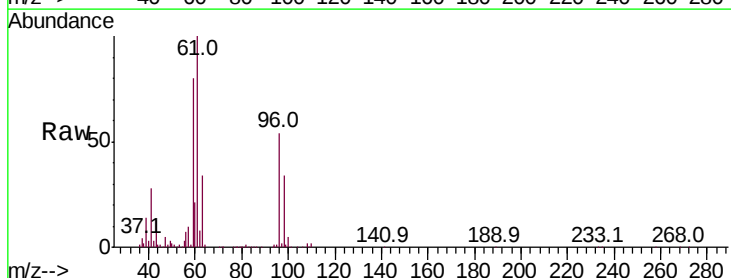
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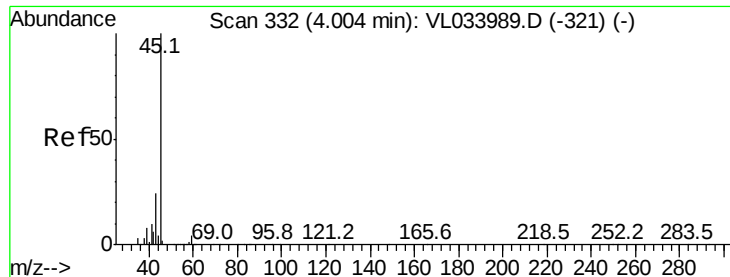


#18

1,1-Dichloroethene
Concen: 8.470 ppbv
RT: 4.32 min Scan# 431
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion: 96 Resp: 681316
Ion Ratio Lower Upper
96 100
61 184.9 139.4 209.0
98 62.8 49.4 74.0





#19

Isopropyl Alcohol

Concen: 8.315 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 1031774

Ion Ratio Lower Upper

45 100

58 2.3

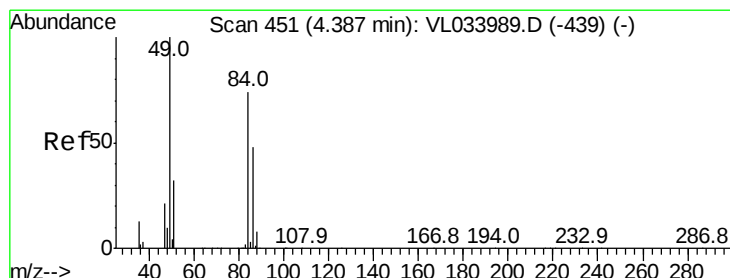
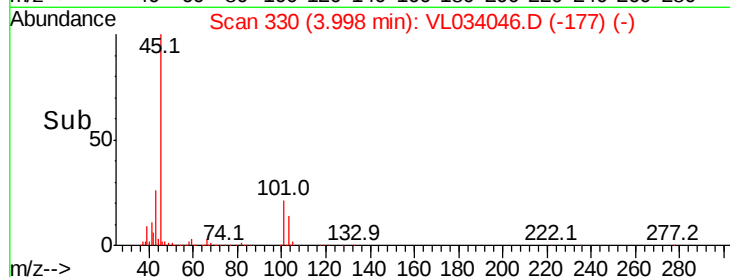
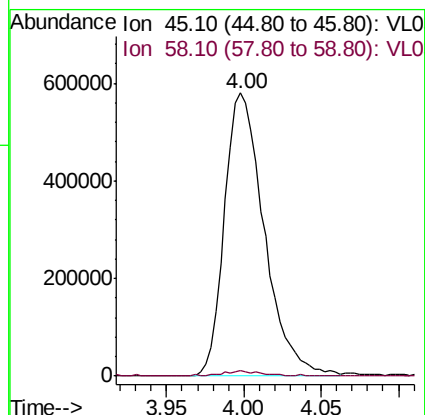
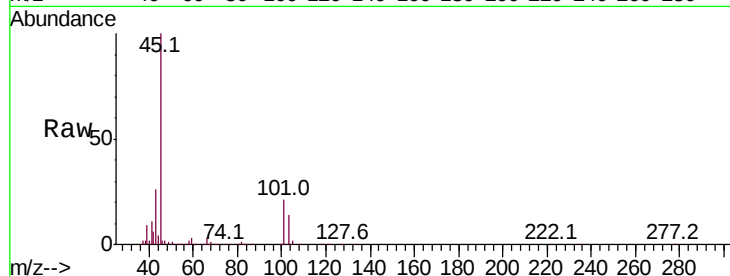
1.7

2.5

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#20

Methylene Chloride

Concen: 7.167 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion: 84 Resp: 577859

Ion Ratio Lower Upper

84 100

49 141.4

107.6

161.4

51 42.0

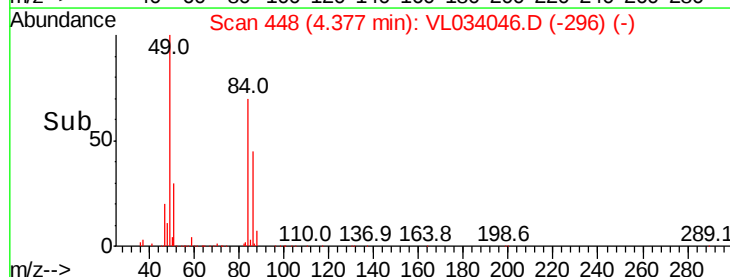
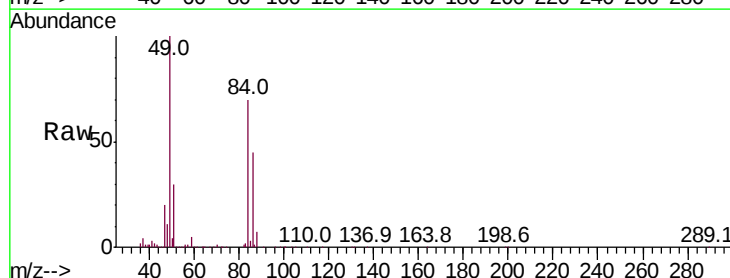
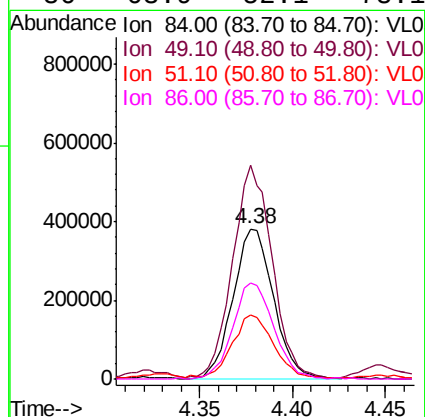
35.0

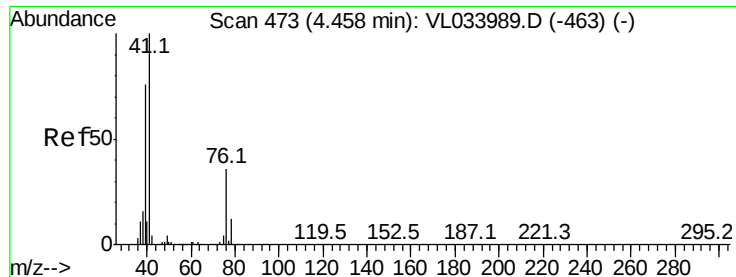
52.6

86 63.9

52.1

78.1





#21

Allvl Chloride

Concen: 8.628 ppbv

RT: 4.45 min Scan# 470

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

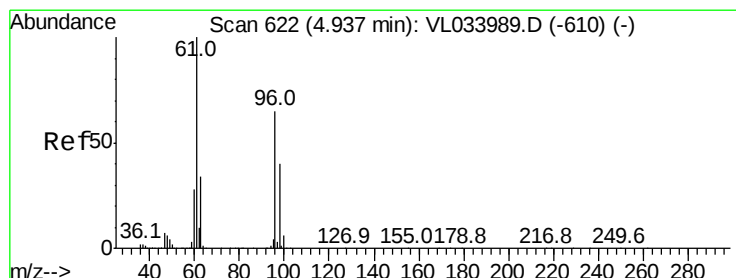
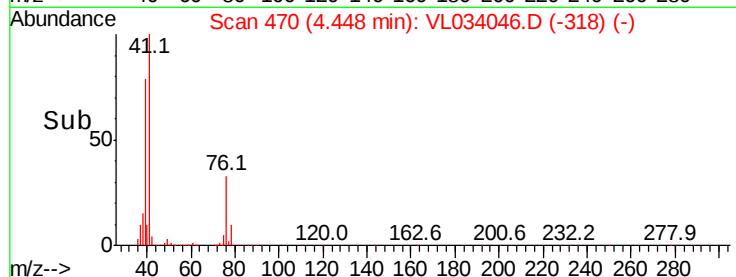
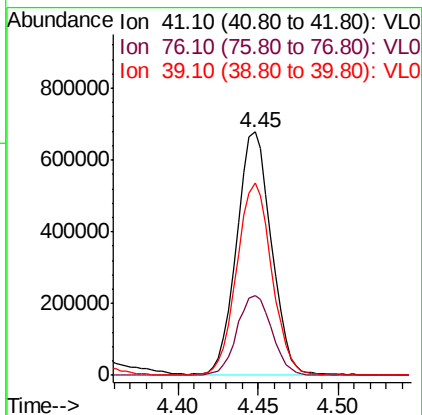
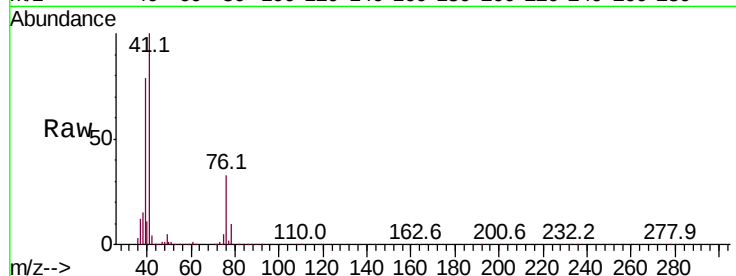
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	994525		
76	33.0	26.8	40.2	
39	80.5	63.1	94.7	

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#22

trans-1,2-Dichloroethene

Concen: 8.753 ppbv

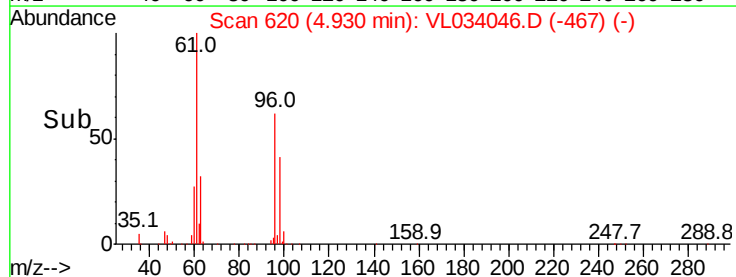
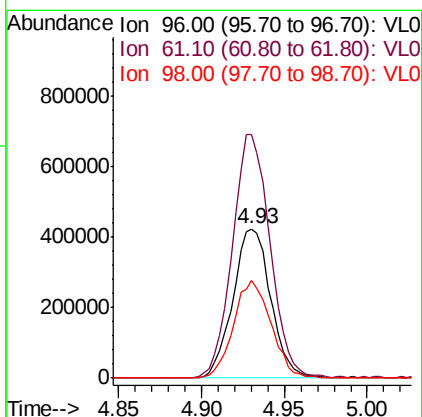
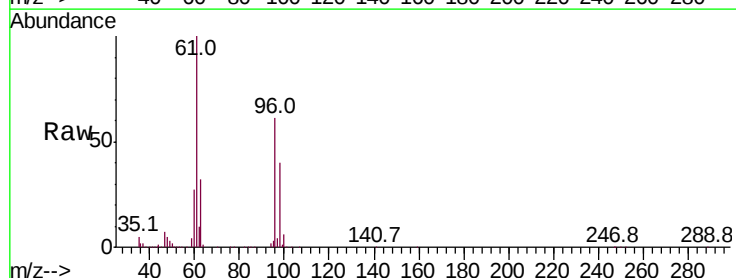
RT: 4.93 min Scan# 620

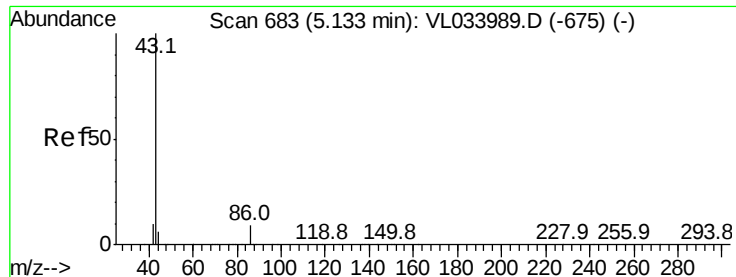
Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	670847		
61	162.5	122.9	184.3	
98	65.8	49.6	74.4	





#23

Vinyl Acetate

Concen: 9.575 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1766768

Ion Ratio Lower Upper

43 100

86 7.6 6.6 9.8

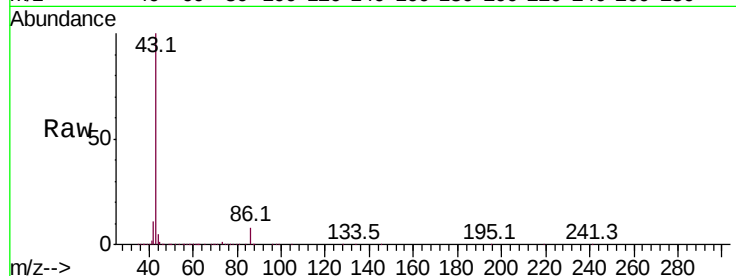
42 10.6 8.3 12.5

44 4.9 4.3 6.5

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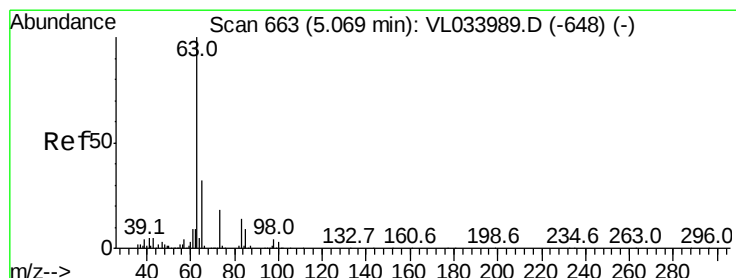
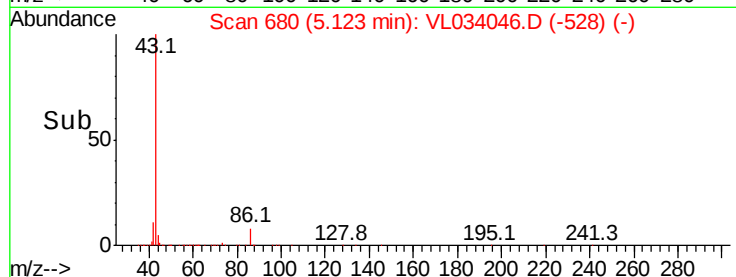
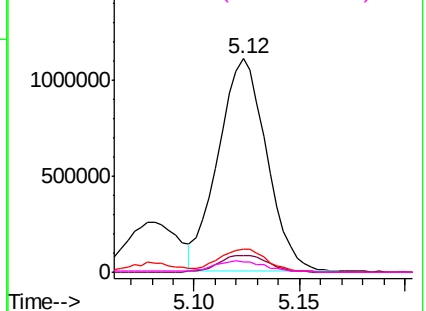


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.951 ppbv

RT: 5.06 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

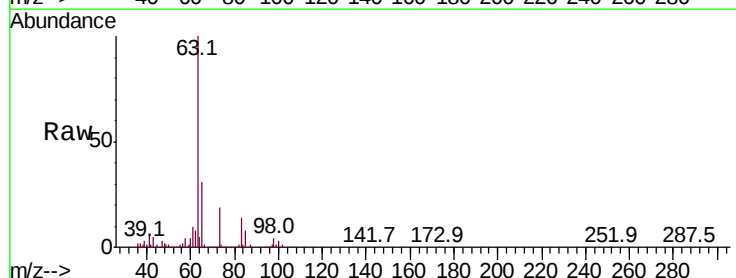
Tgt Ion: 63 Resp: 1463713

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

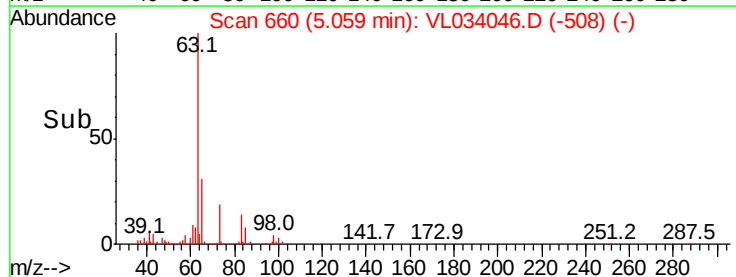
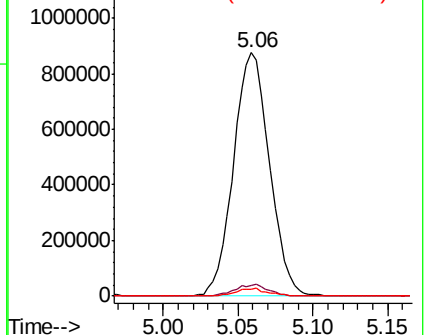
100 2.9 1.4 4.2

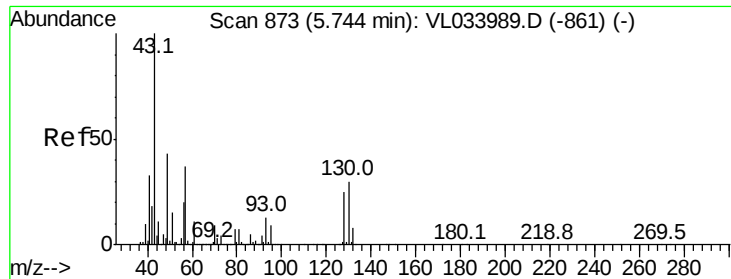


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.201 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2326354

Ion Ratio Lower Upper

43 100

45 9.9 8.1 12.1

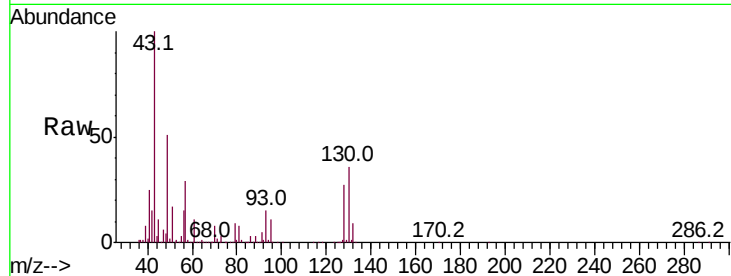
61 9.9 8.1 12.1

70 7.6 6.3 9.5

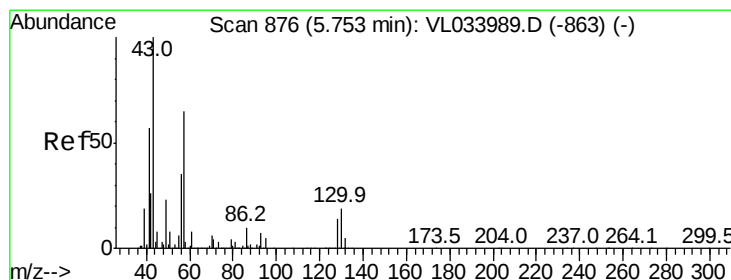
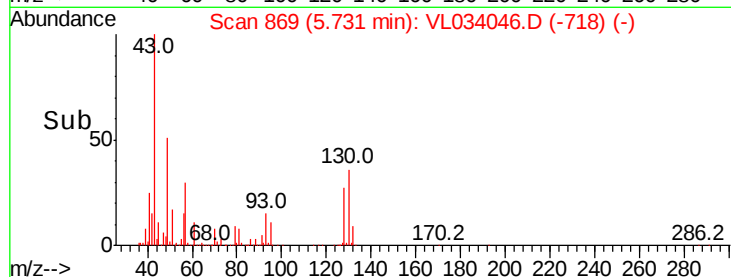
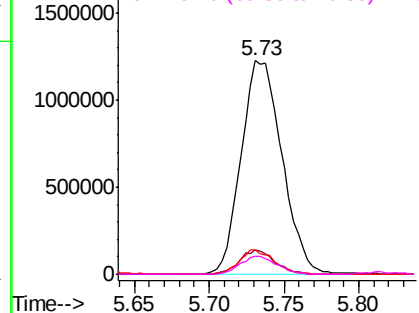
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.499 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion: 57 Resp: 1099096

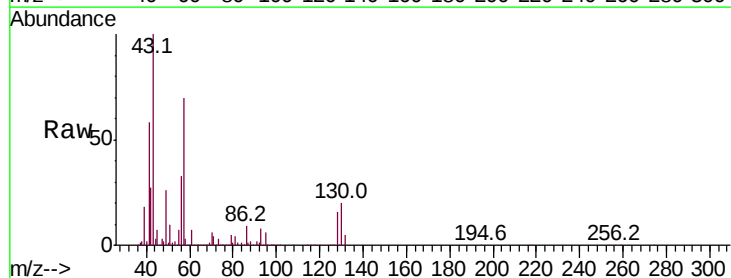
Ion Ratio Lower Upper

57 100

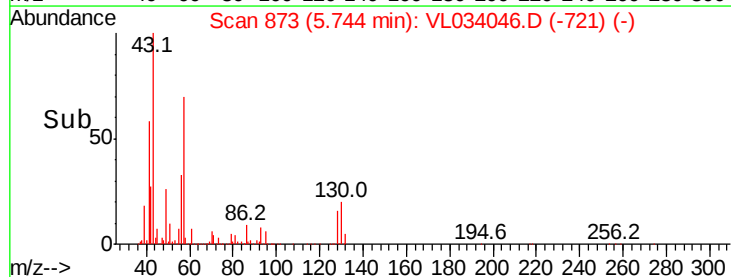
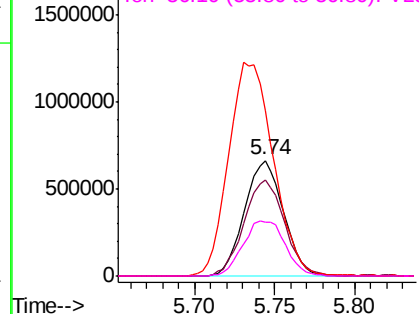
41 87.2 70.6 105.8

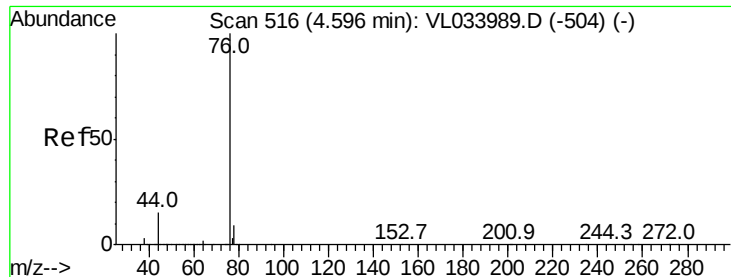
43 212.5 177.6 266.4

56 52.1 42.6 64.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.838 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1738397

Ion Ratio Lower Upper

76 100

44 16.4 12.6 18.8

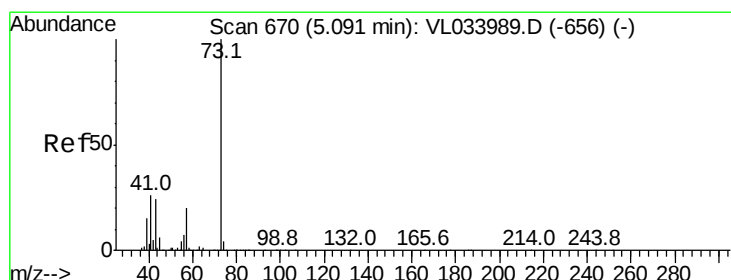
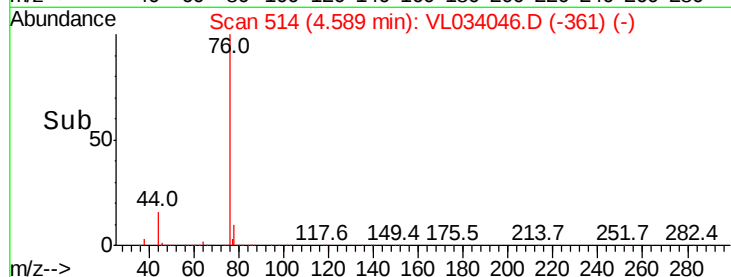
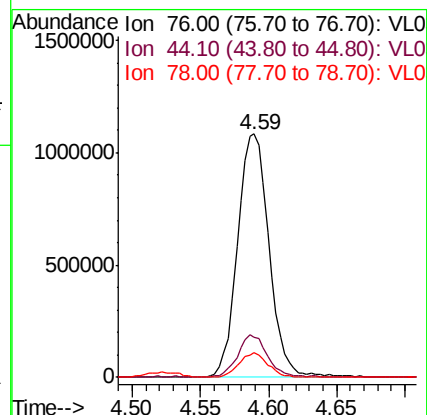
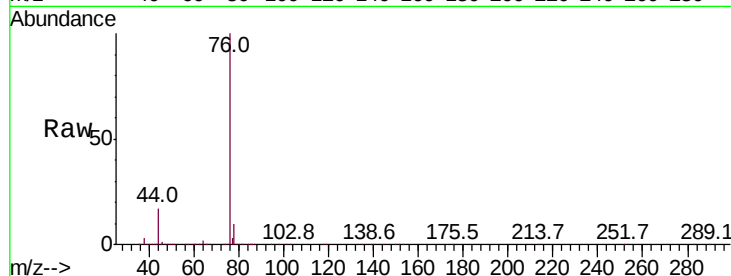
78 9.3 7.2 10.8

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MMDadoda

7/19/2019 1:37:30 AM



#28

Methyl tert-Butyl Ether

Concen: 9.608 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL034046.D

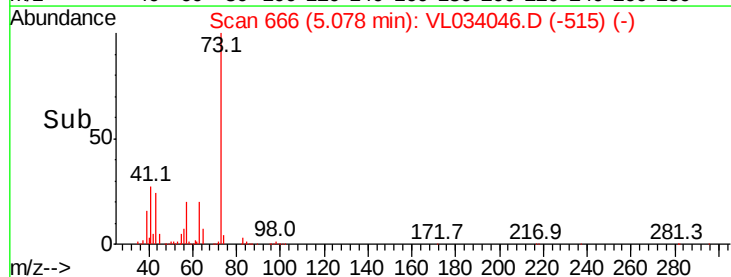
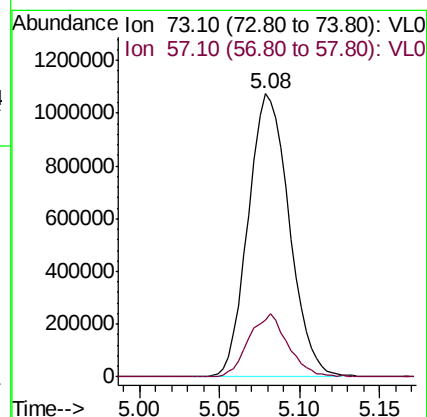
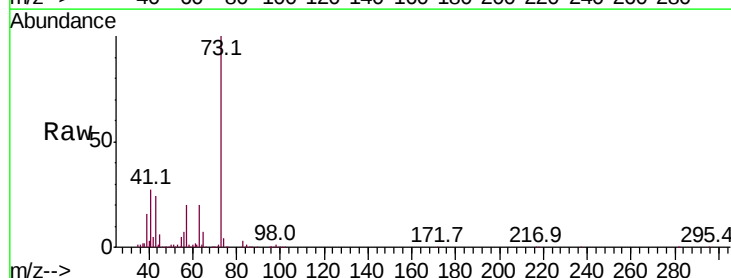
Acq: 18 Jul 2019 10:38

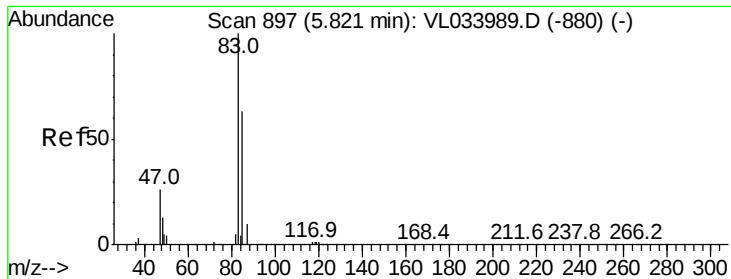
Tgt Ion: 73 Resp: 1882565

Ion Ratio Lower Upper

73 100

57 21.5 16.9 25.3





#29

Chloroform

Concen: 8.754 ppbv

RT: 5.82 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1903527

Ion Ratio Lower Upper

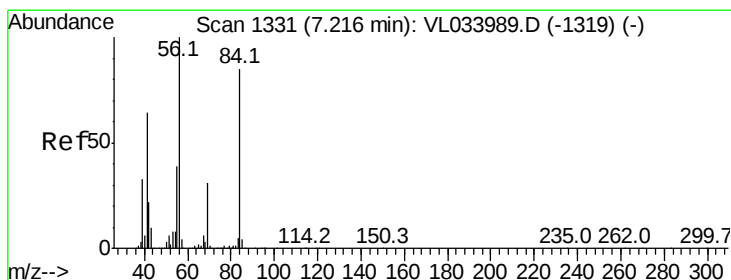
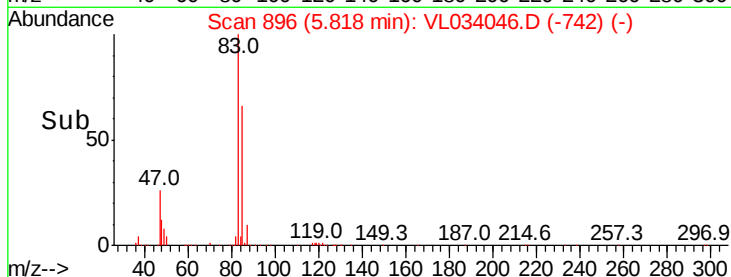
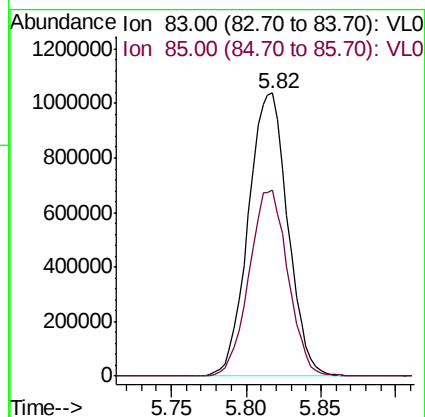
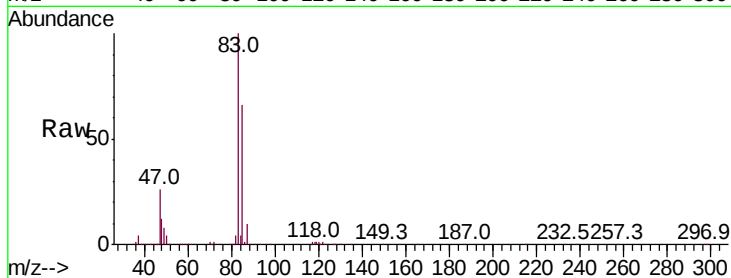
83 100

85 65.7 50.6 75.8

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#30

Cyclohexane

Concen: 10.254 ppbv m

RT: 7.20 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

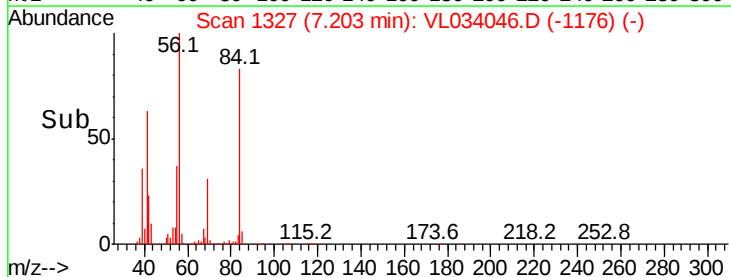
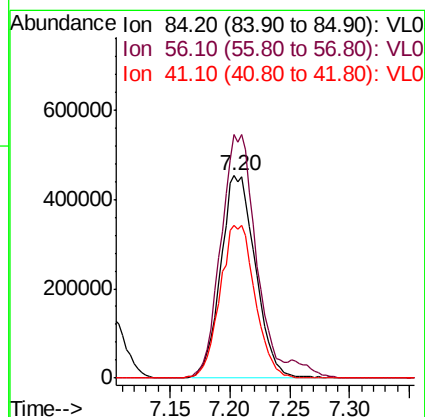
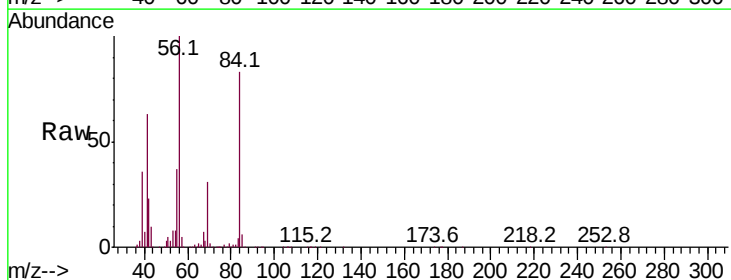
Tgt Ion: 84 Resp: 916297

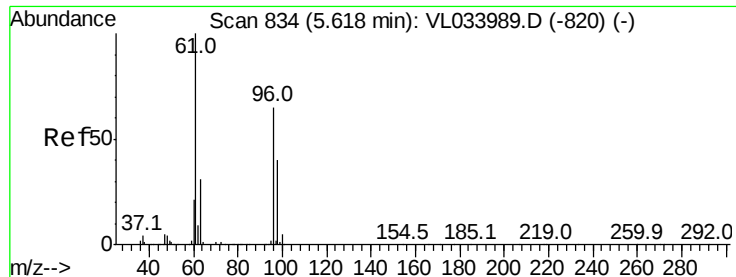
Ion Ratio Lower Upper

84 100

56 126.2 103.7 155.5

41 0.0 62.6 94.0#





#31

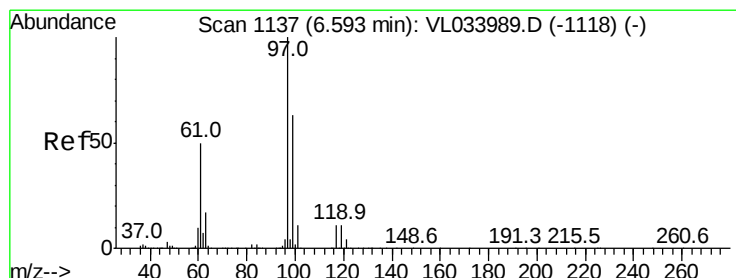
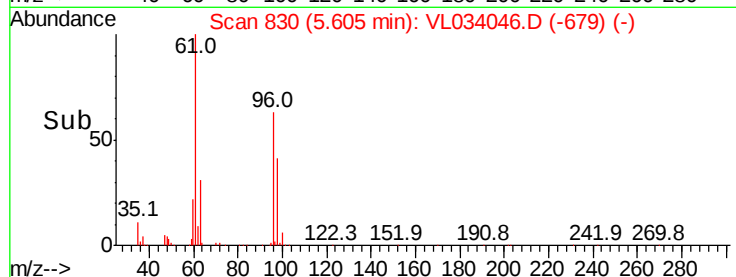
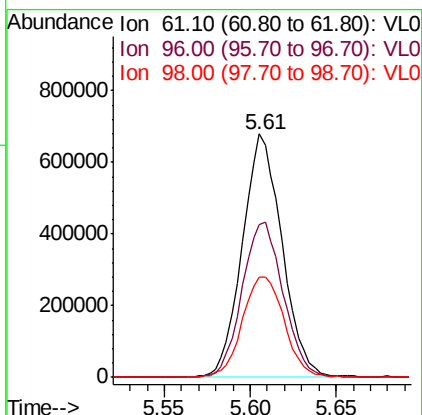
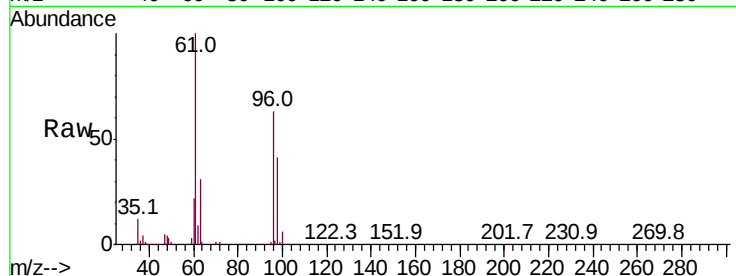
cis-1,2-Dichloroethene
Concen: 9.700 ppbv
RT: 5.61 min Scan# 830
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	51.8	77.6
98	41.3	32.1	48.1

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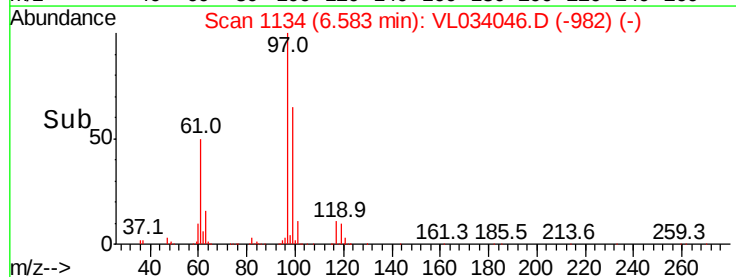
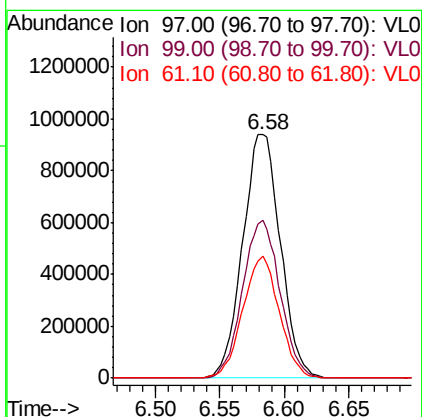
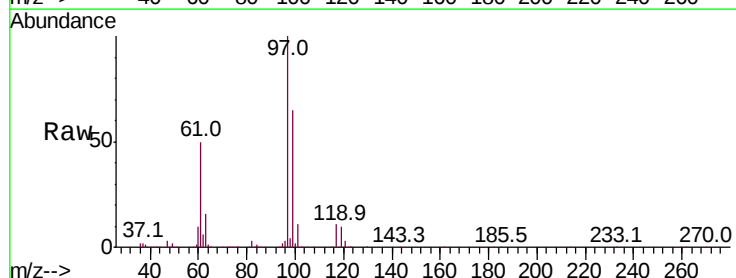
MMDadoda
7/19/2019 1:37:30 AM

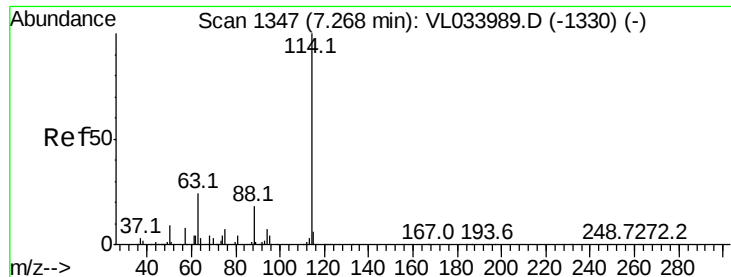


#32

1,1,1-Trichloroethane
Concen: 8.684 ppbv
RT: 6.58 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	48.5	39.8	59.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

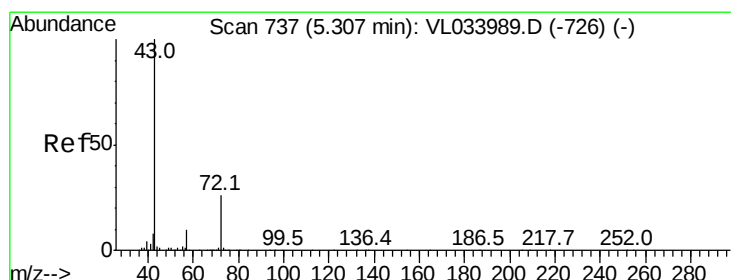
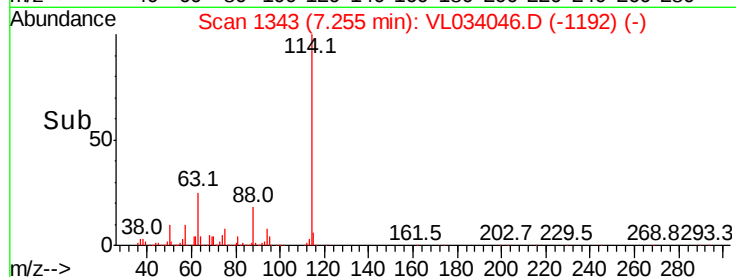
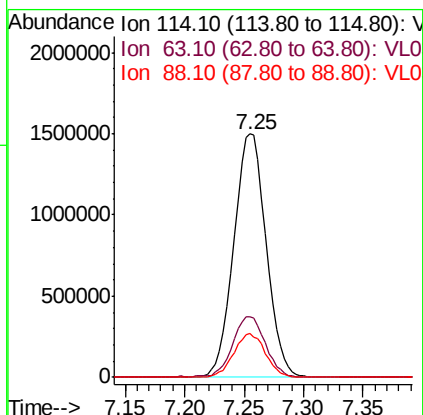
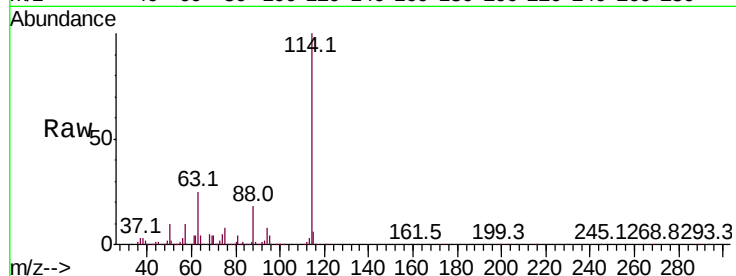
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.2	30.2
88	17.7	14.1	21.1

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#34

2-Butanone

Concen: 9.509 ppbv

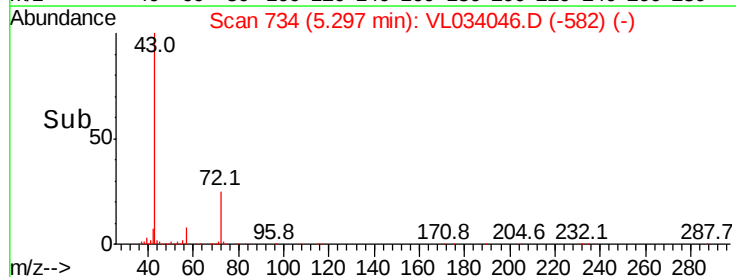
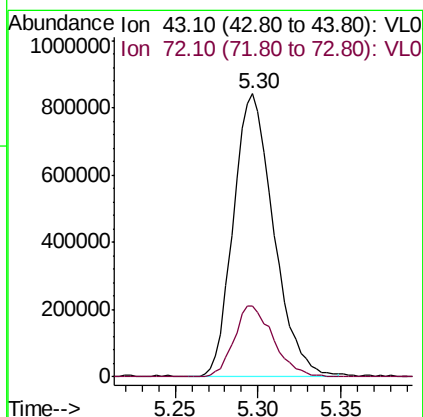
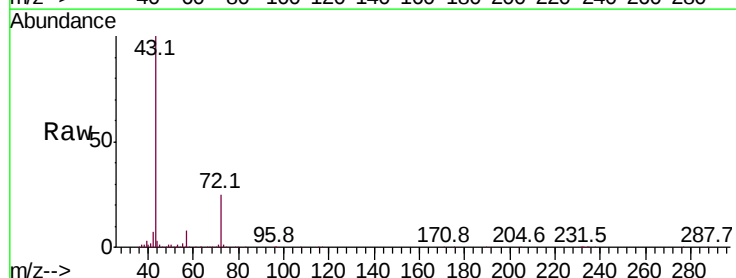
RT: 5.30 min Scan# 734

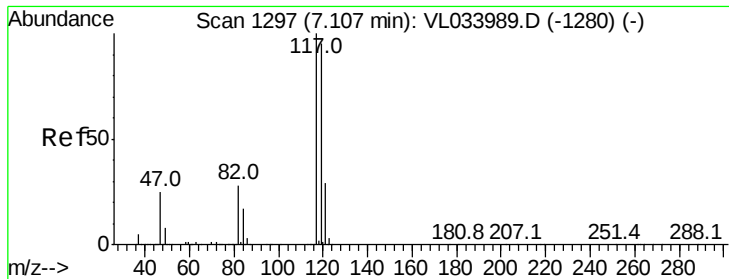
Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.9	29.9





#35

Carbon Tetrachloride

Concen: 9.002 ppbv

RT: 7.09 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 2011924

Ion Ratio Lower Upper

117 100

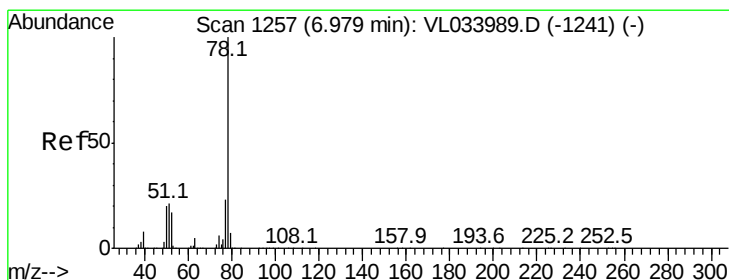
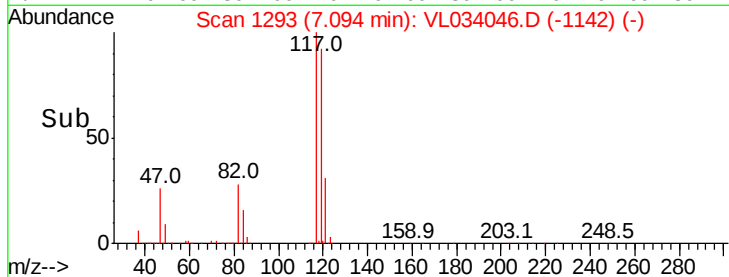
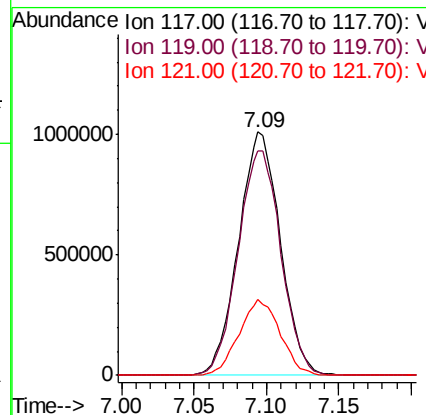
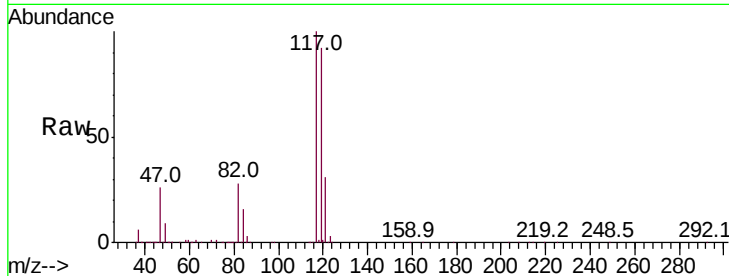
119 92.3 75.8 113.6

121 31.4 23.4 35.2

Manual Integrations
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#36

Benzene

Concen: 9.940 ppbv

RT: 6.97 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

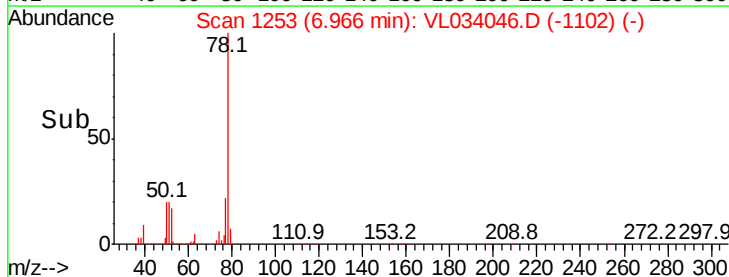
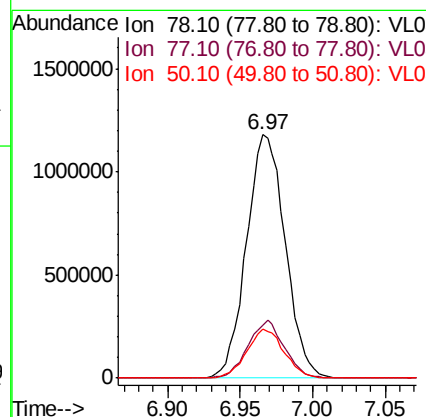
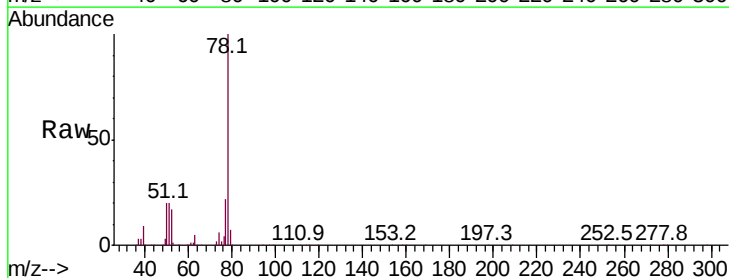
Tgt Ion: 78 Resp: 2195762

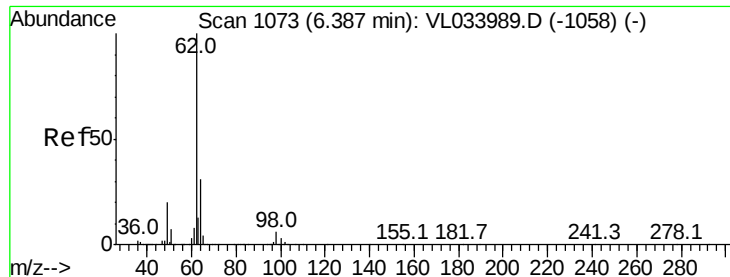
Ion Ratio Lower Upper

78 100

77 21.6 18.7 28.1

50 19.9 16.2 24.2





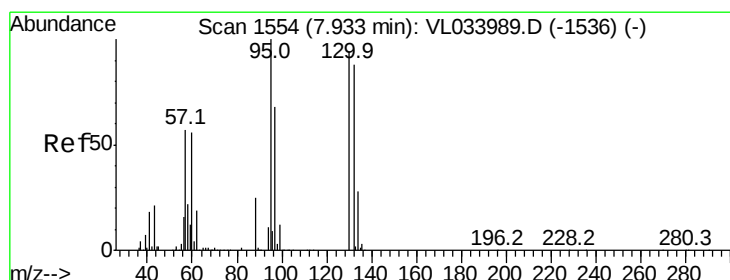
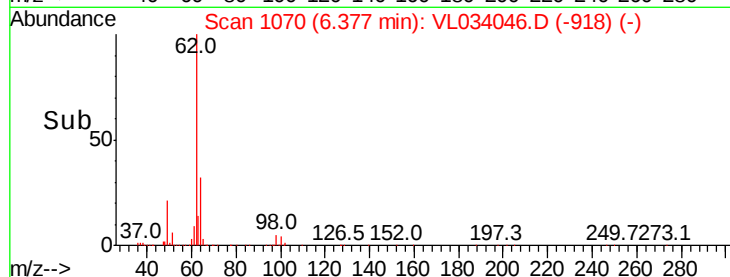
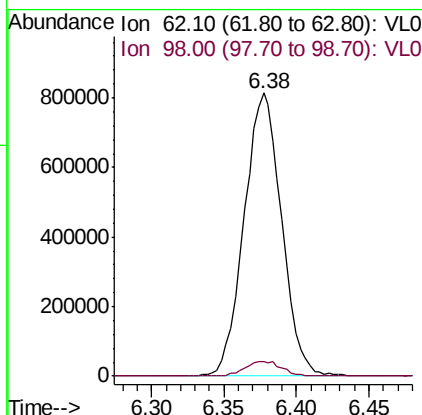
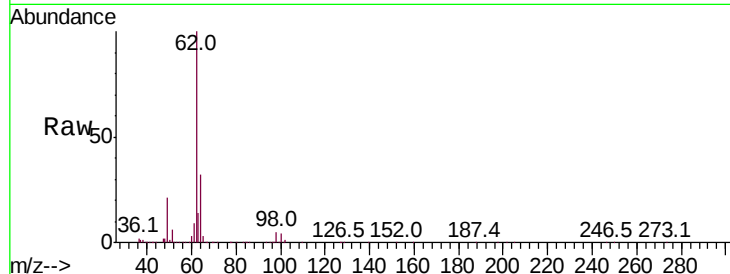
#37
 1,2-Dichloroethane
 Concen: 8.980 ppbv
 RT: 6.38 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1461479
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.4 6.6

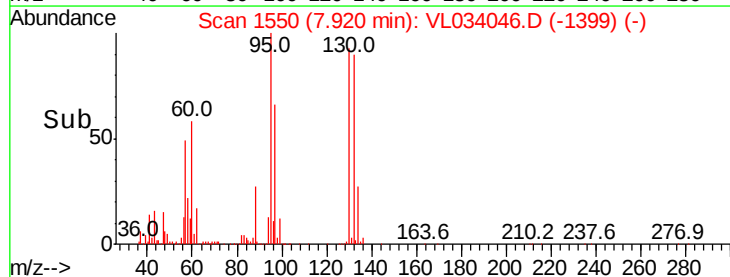
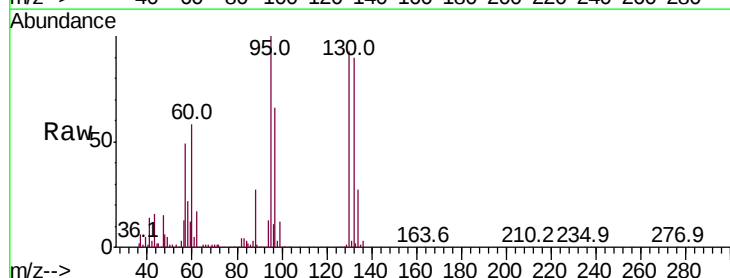
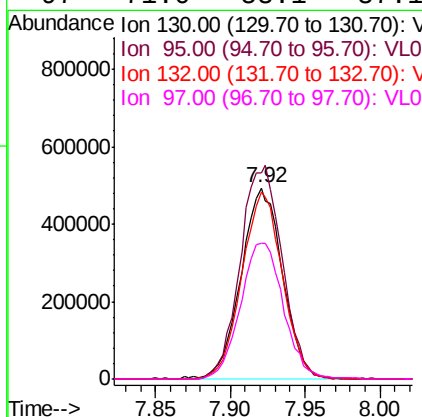
Manual Integrations
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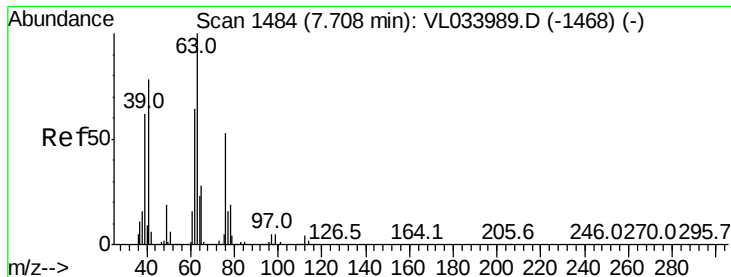
MMDadoda
 7/19/2019 1:37:30 AM



#38
 Trichloroethene
 Concen: 9.624 ppbv
 RT: 7.92 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Tgt Ion: 130 Resp: 945922
 Ion Ratio Lower Upper
 130 100
 95 108.1 85.5 128.3
 132 97.6 75.1 112.7
 97 71.0 58.1 87.1





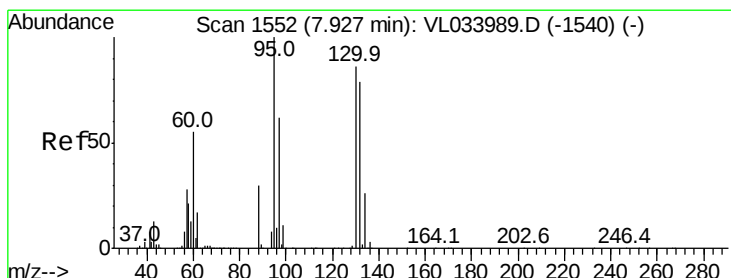
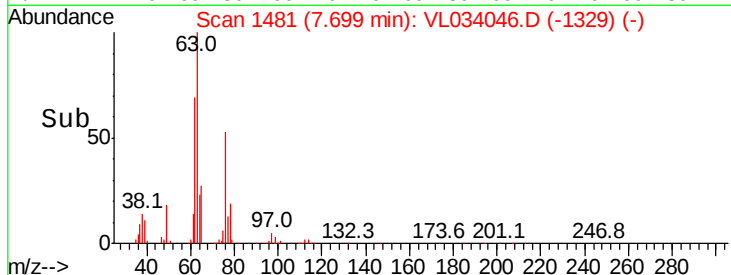
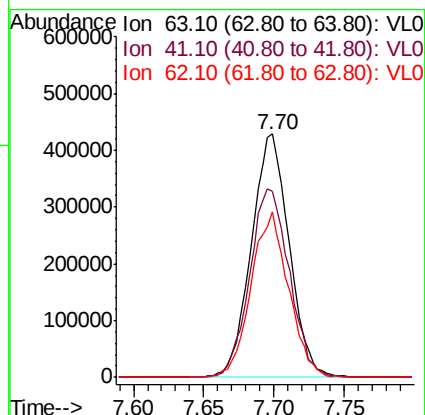
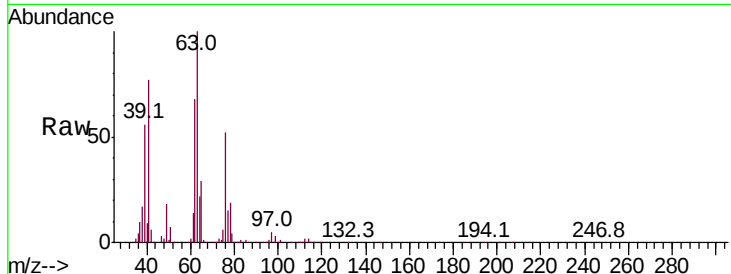
#39
 1,2-Dichloropropane
 Concen: 9.767 ppbv
 RT: 7.70 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.6	62.3	93.5
62	67.9	51.4	77.2

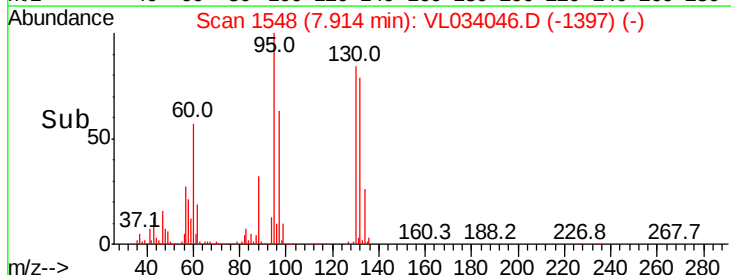
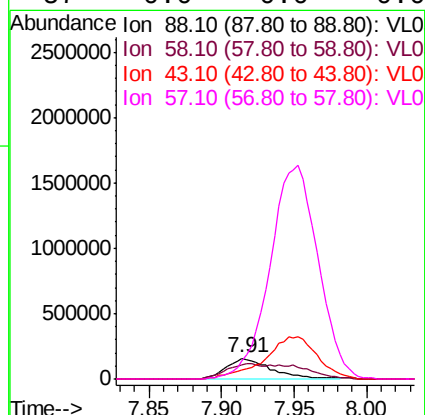
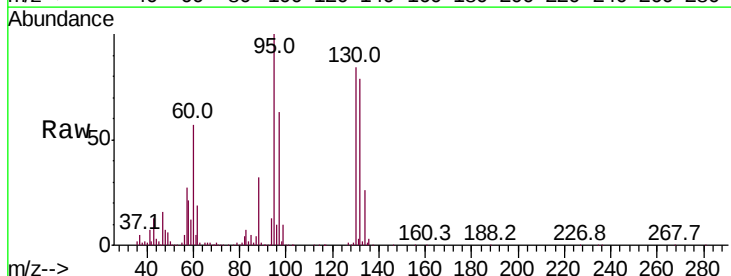
Manual Integrations
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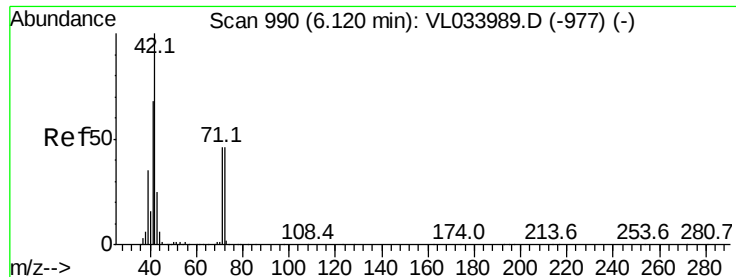
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#40
 1,4-Dioxane
 Concen: 9.071 ppbv
 RT: 7.91 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	124.7	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.433 ppbv

RT: 6.11 min Scan# 987

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

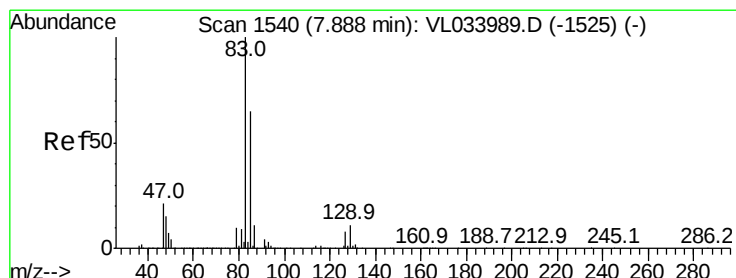
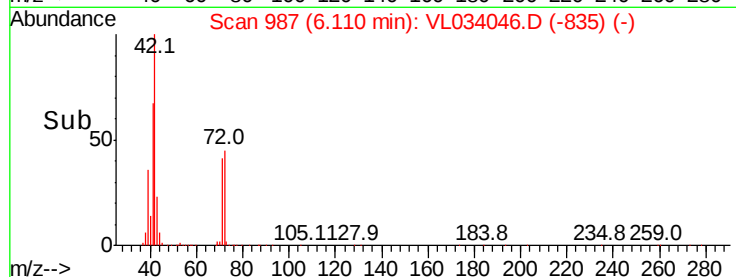
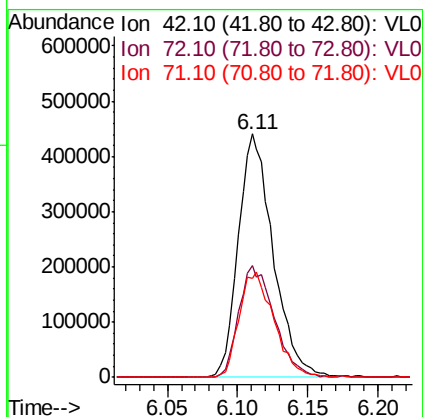
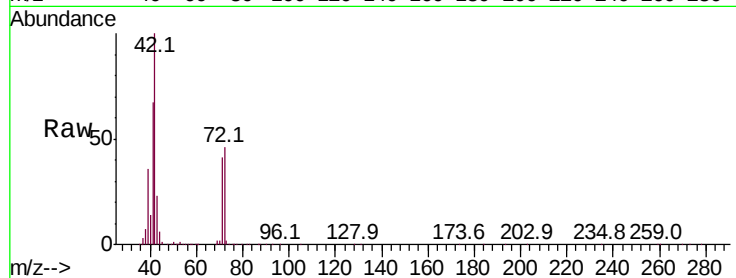
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	764460
Ion Ratio	Lower	Upper	
42	100		
72	46.6	37.3	55.9
71	43.6	36.2	54.2

Manual Integrations
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7/19/2019 1:37:30 AM



#42

Bromodichloromethane

Concen: 9.522 ppbv

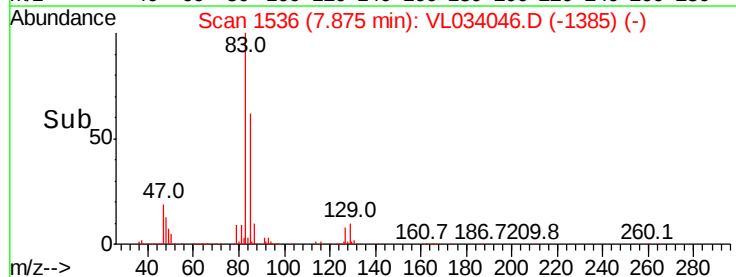
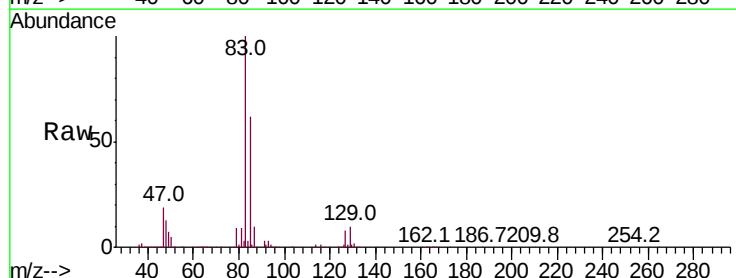
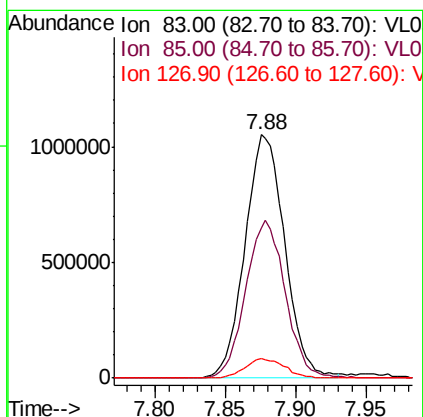
RT: 7.88 min Scan# 1536

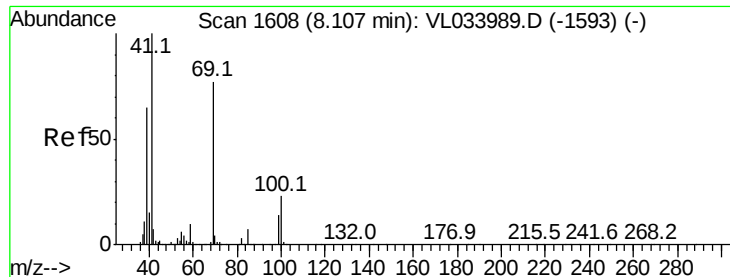
Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion:	83	Resp:	2079128
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.8	77.8
127	8.1	6.5	9.7





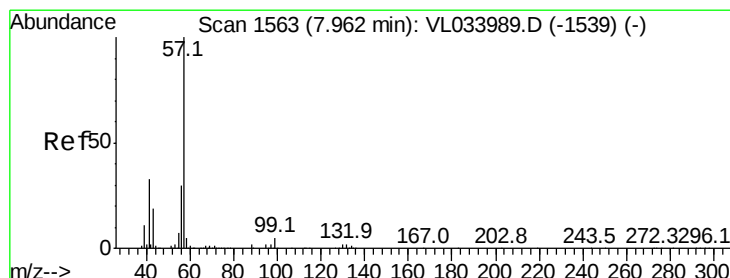
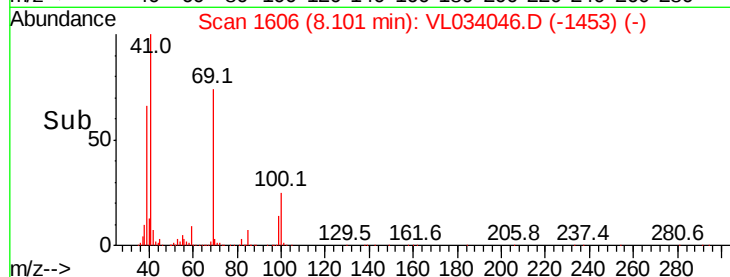
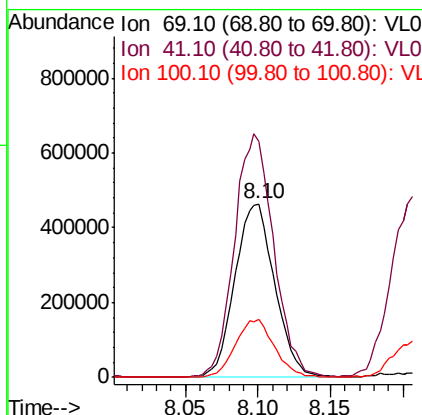
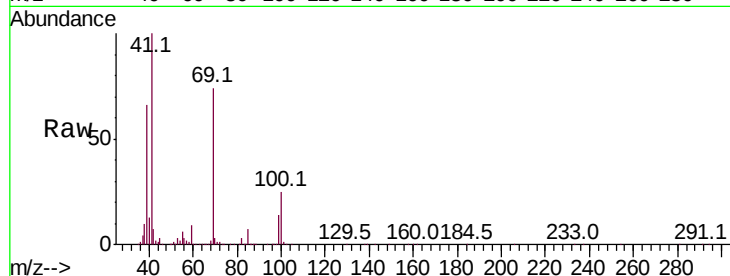
#43
Methvl Methacrilate
Concen: 10.591 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	137.6	109.1	163.7
100	32.6	25.3	37.9

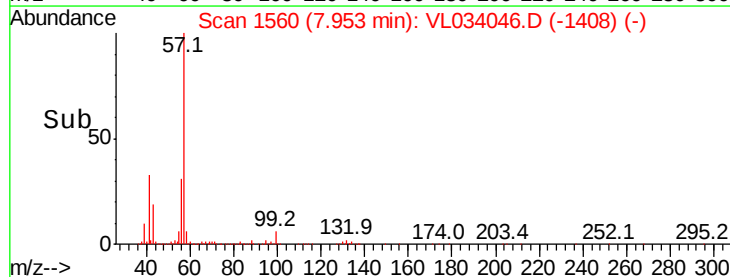
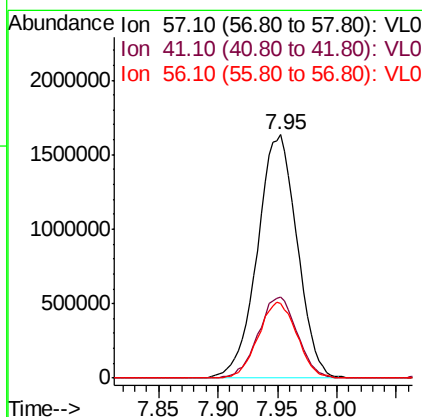
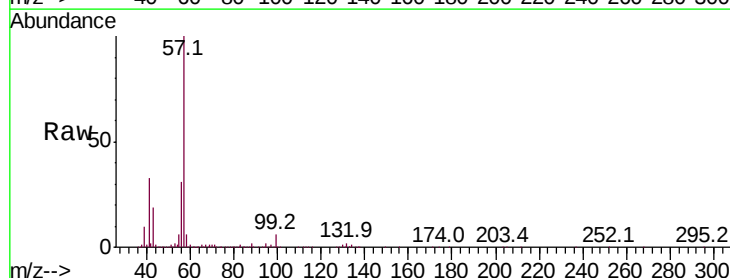
Manual Integrations
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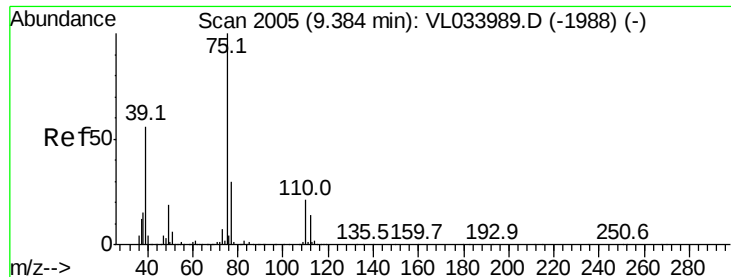
MMDadoda
7/19/2019 1:37:30 AM



#44
2,2,4-Trimethylpentane
Concen: 9.894 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.1	39.1
56	30.5	24.4	36.6





#45

t-1,3-Dichloropropene

Concen: 13.650 ppbv

RT: 9.37 min Scan# 2001

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1496048

Ion Ratio Lower Upper

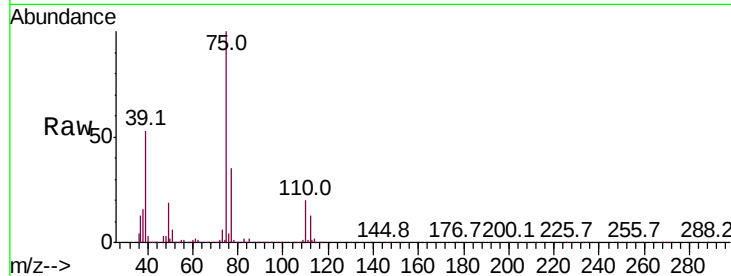
75 100

77 34.9 24.3 36.5

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.37

800000

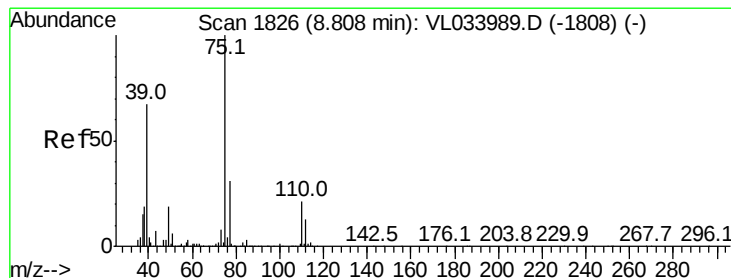
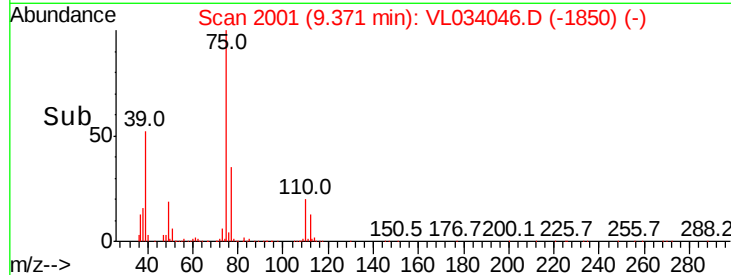
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.247 ppbv

RT: 8.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

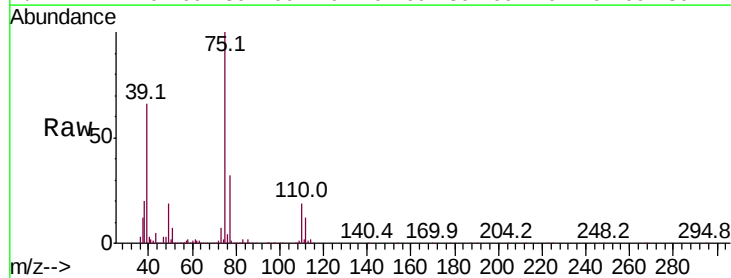
Tgt Ion: 75 Resp: 1300692

Ion Ratio Lower Upper

75 100

39 66.3 53.8 80.6

77 31.7 24.5 36.7



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

8.80

800000

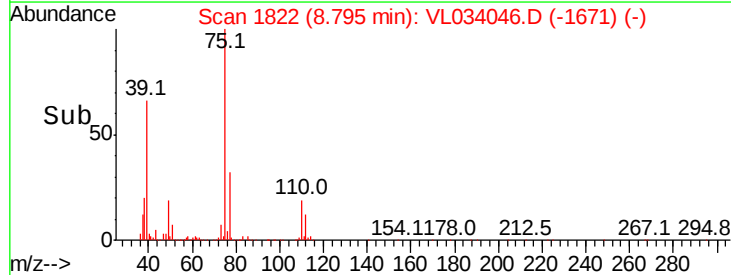
600000

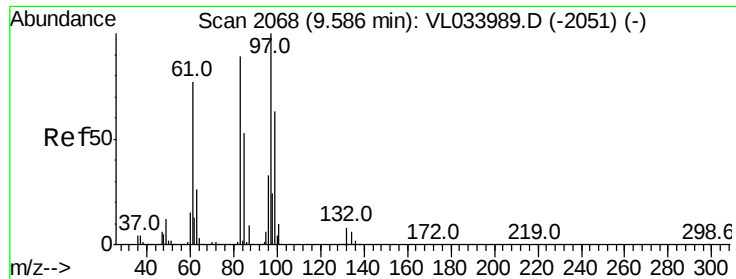
400000

200000

0

Time-->





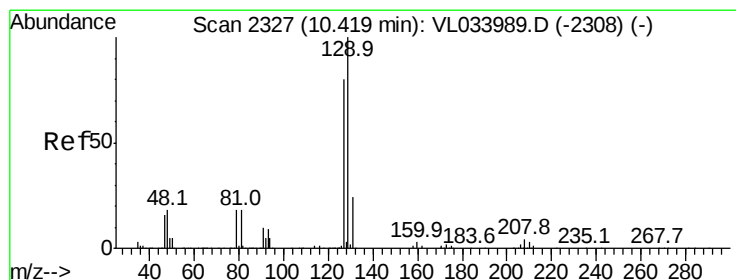
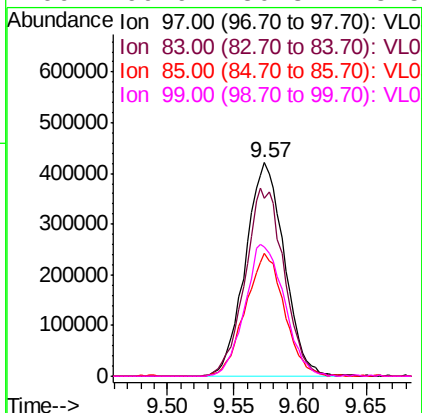
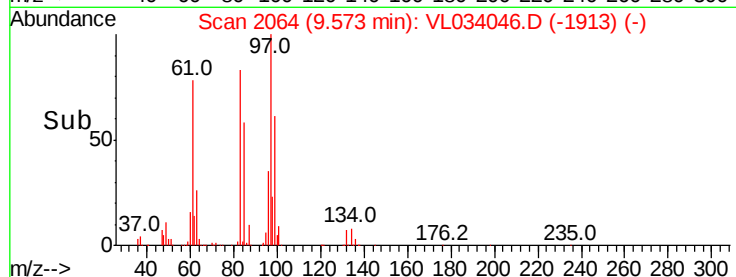
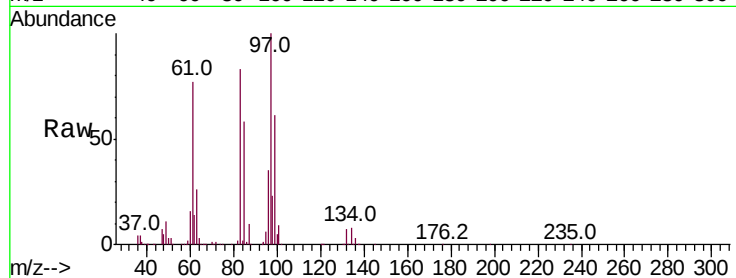
#47
 1,1,2-Trichloroethane
 Concen: 8.344 ppbv
 RT: 9.57 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	71.1	106.7
85	57.7	42.6	64.0
99	60.6	50.3	75.5

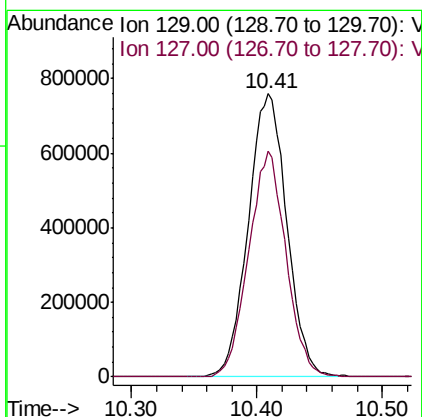
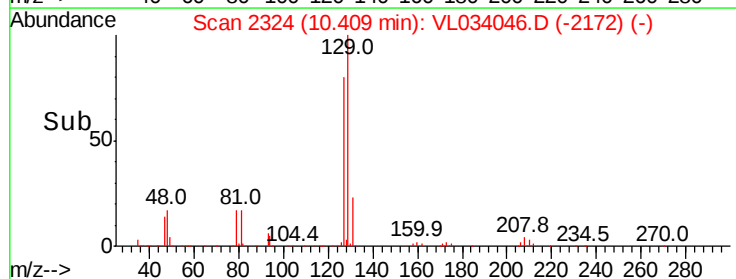
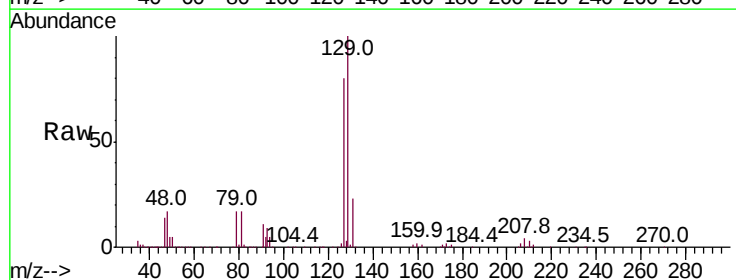
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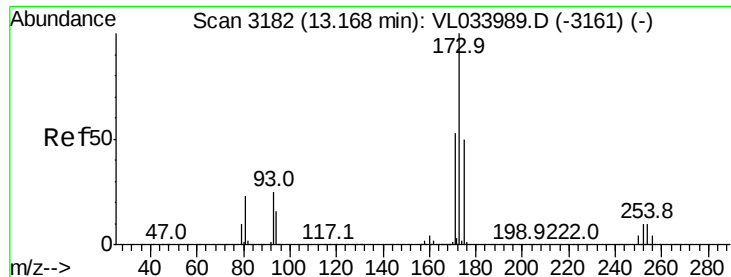
MMDadoda
 7/19/2019 1:37:30 AM



#48
 Dibromochloromethane
 Concen: 8.237 ppbv
 RT: 10.41 min Scan# 2324
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.3





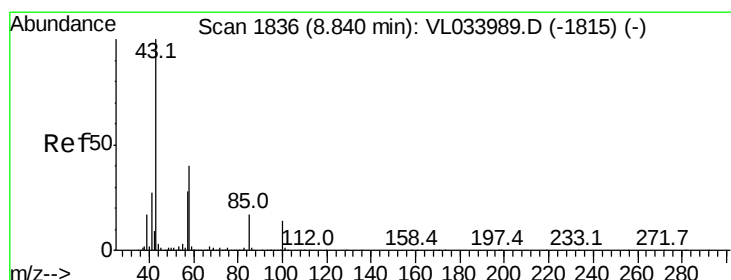
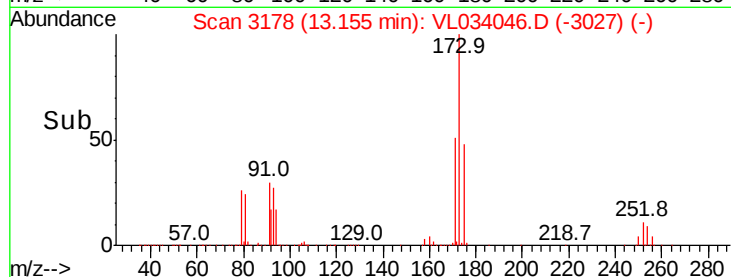
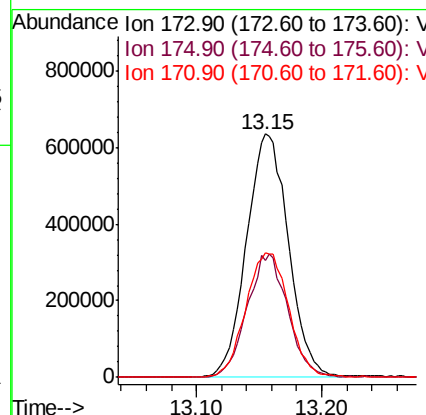
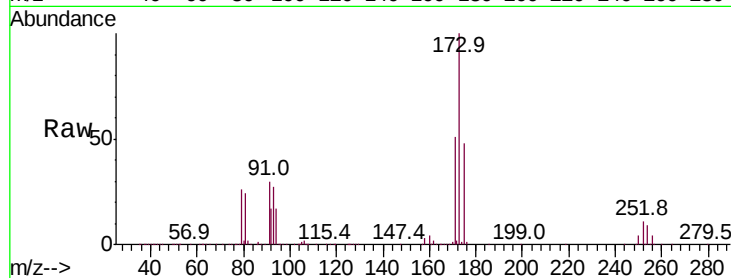
#49
Bromoform
Concen: 8.762 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.3	58.9
171	52.2	41.4	62.0

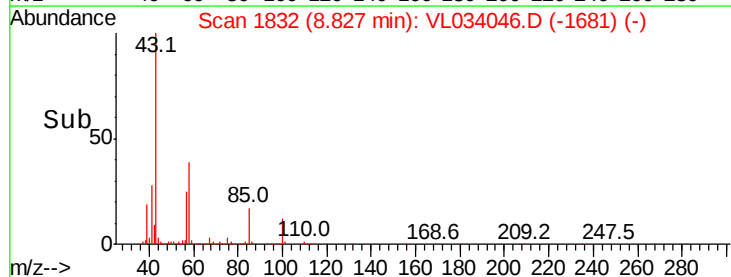
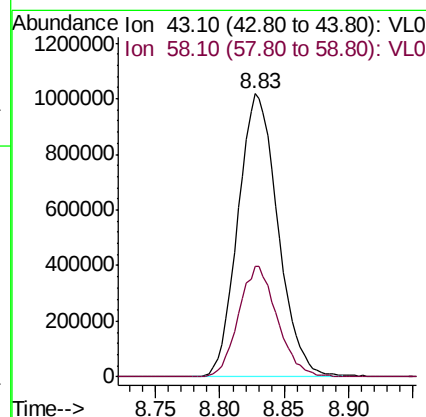
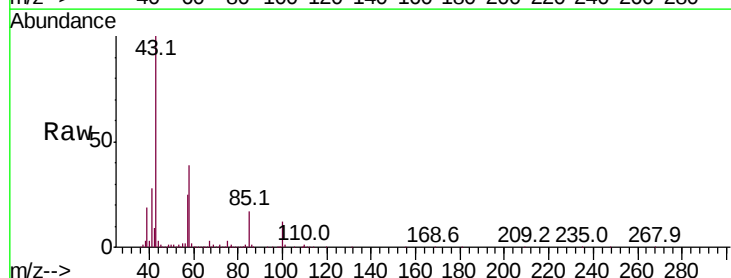
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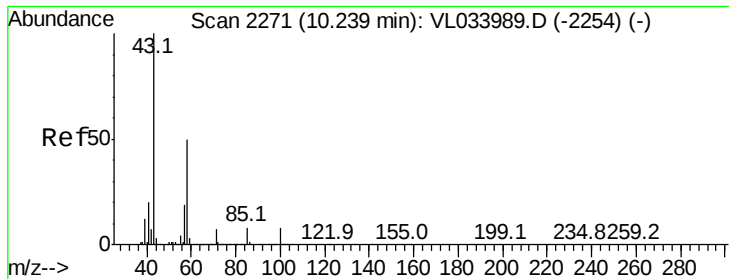
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.888 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5





#51

2-Hexanone

Concen: 8.981 ppbv

RT: 10.23 min Scan# 2268

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1605846

Ion Ratio Lower Upper

43 100

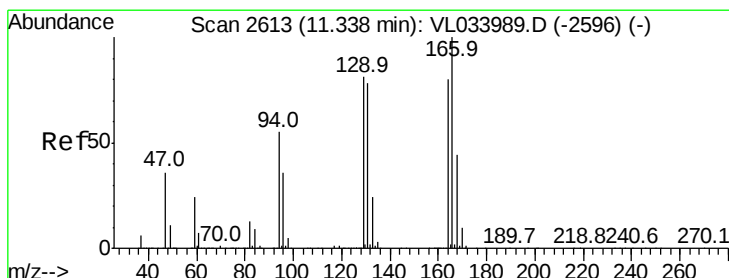
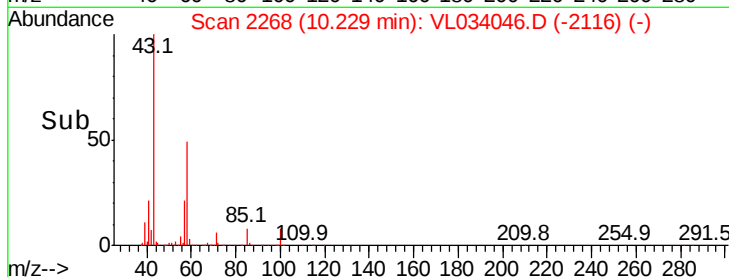
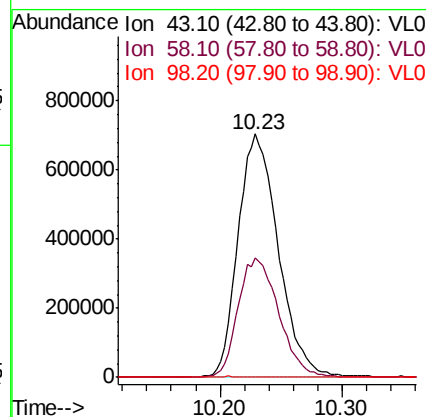
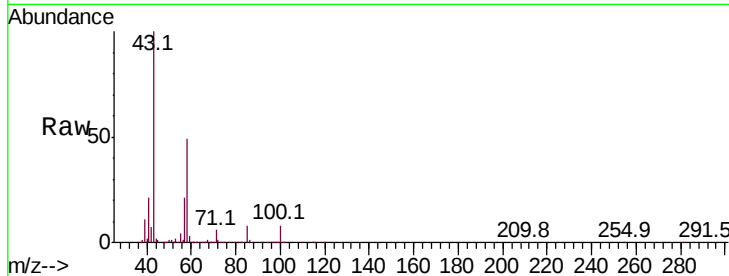
58 49.8 41.0 61.4

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.447 ppbv m

RT: 11.33 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion: 164 Resp: 803122

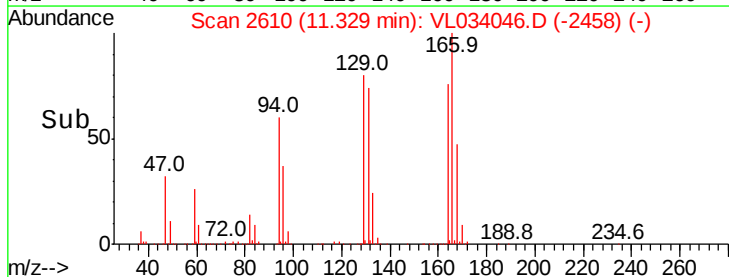
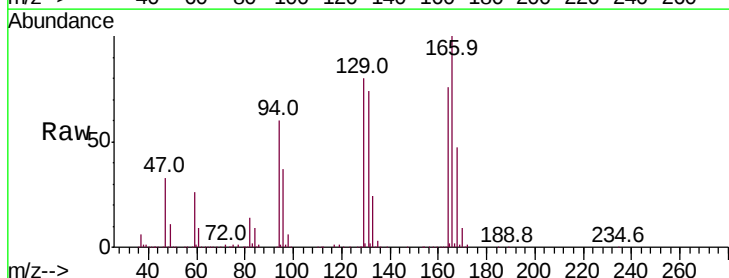
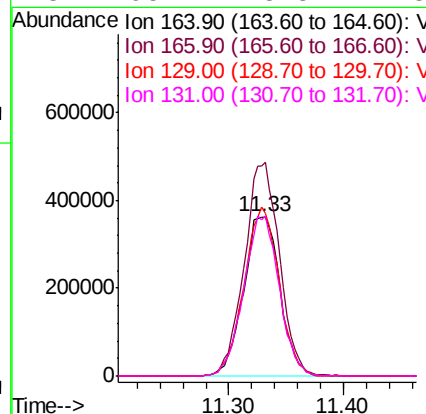
Ion Ratio Lower Upper

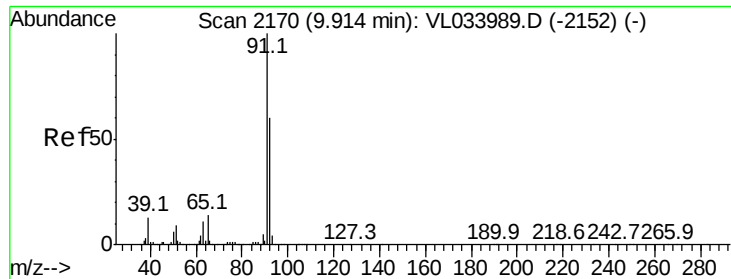
164 100

166 132.3 100.2 150.2

129 106.5 81.0 121.6

131 98.4 78.3 117.5





#53

Toluene

Concen: 9.564 ppbv

RT: 9.90 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2418583

Ion Ratio Lower Upper

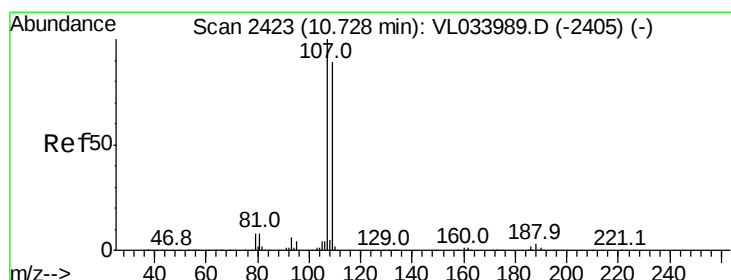
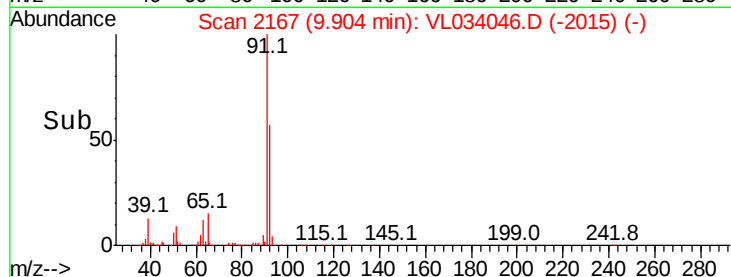
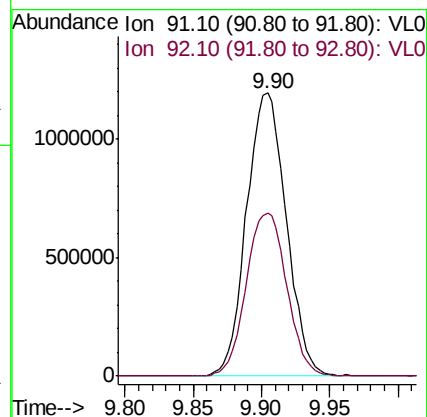
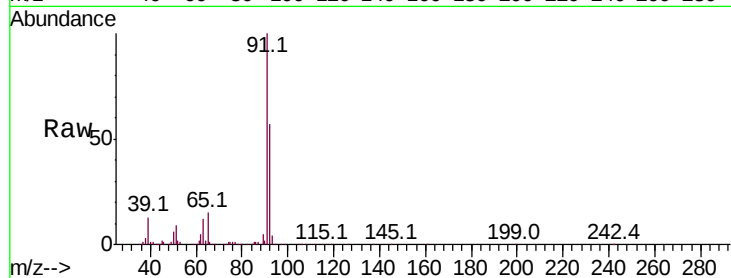
91 100

92 58.8 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 8.872 ppbv

RT: 10.71 min Scan# 2419

Delta R.T. -0.01 min

Lab File: VL034046.D

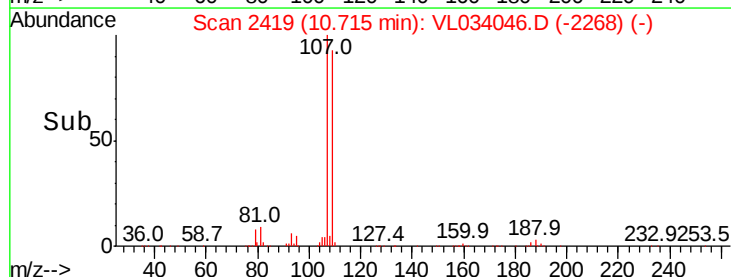
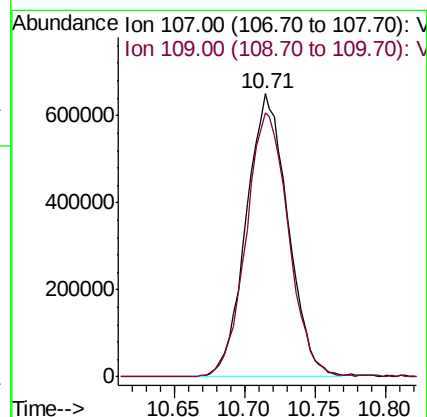
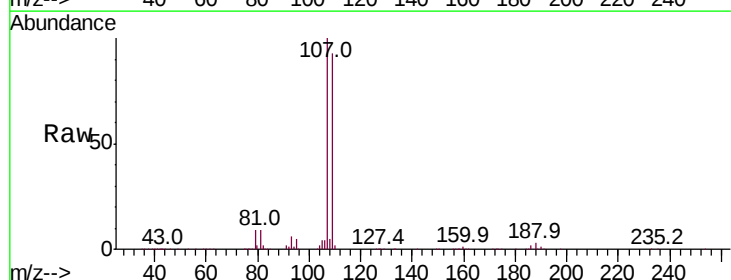
Acq: 18 Jul 2019 10:38

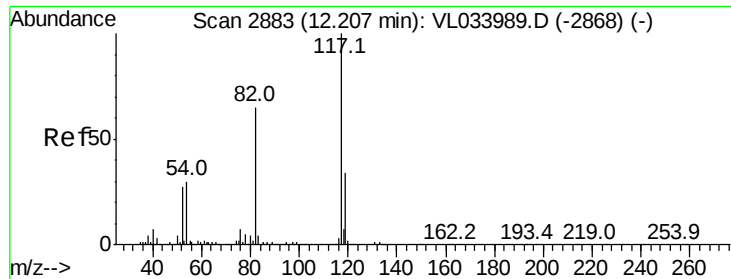
Tgt Ion: 107 Resp: 1352332

Ion Ratio Lower Upper

107 100

109 93.4 71.5 107.3





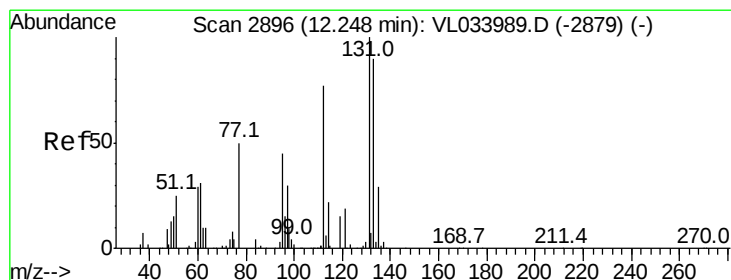
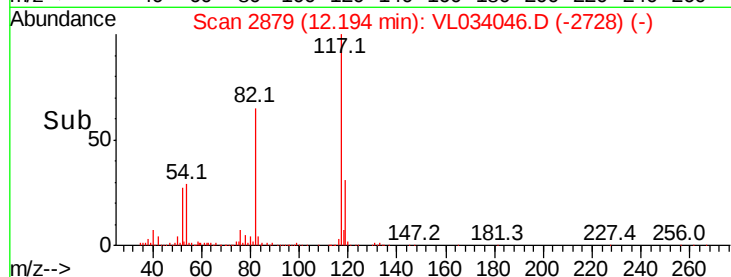
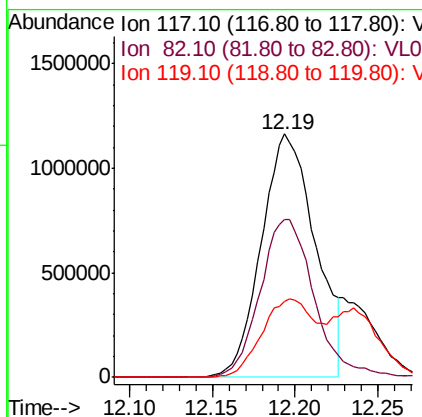
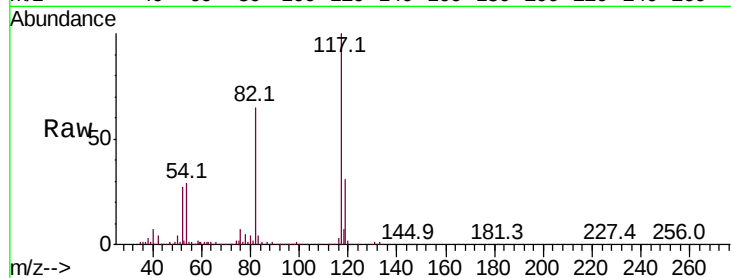
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2879
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.8	76.2
119	31.4	24.0	36.0

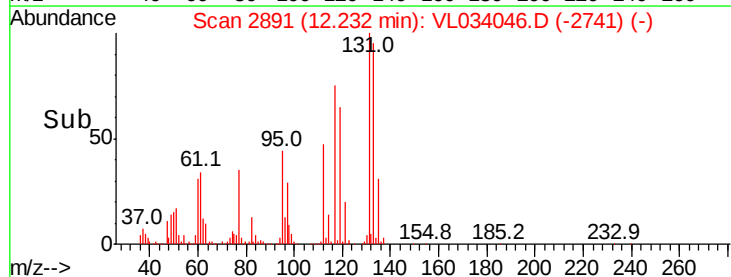
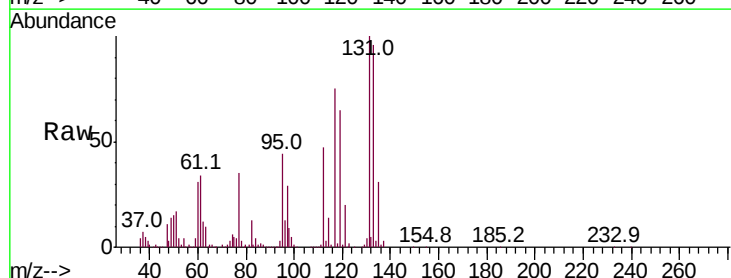
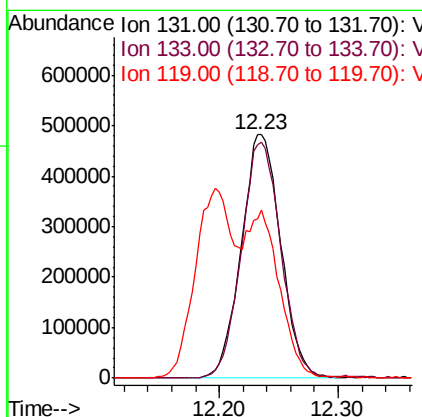
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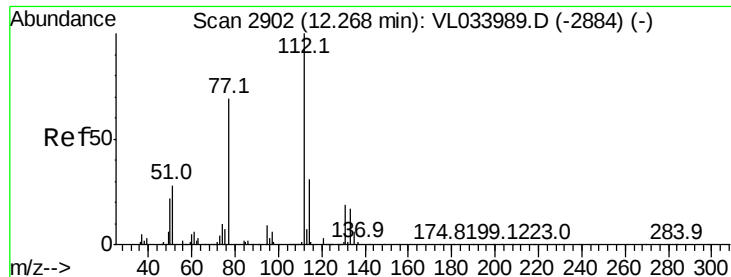
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.370 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	76.2	114.2
119	56.8	43.1	64.7





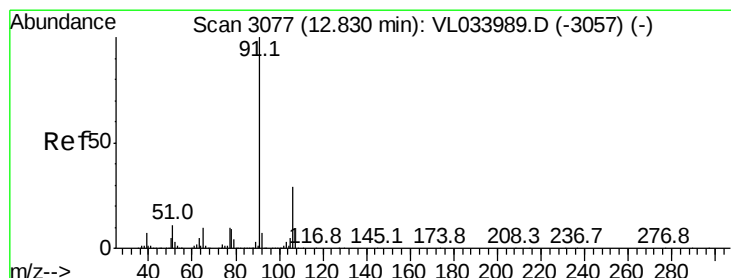
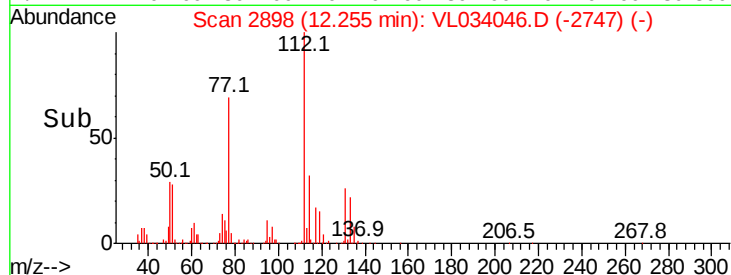
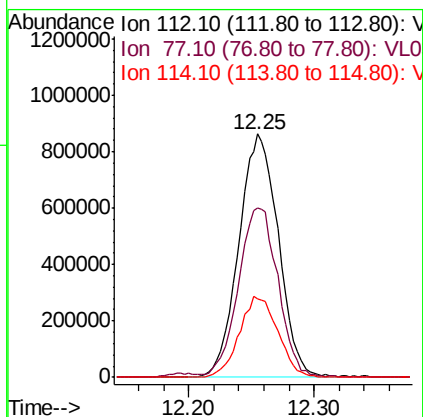
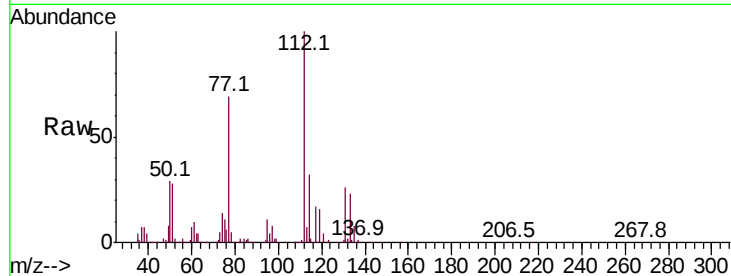
#57
Chlorobenzene
Concen: 8.972 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.1	55.9	83.9
114	32.4	27.6	33.8

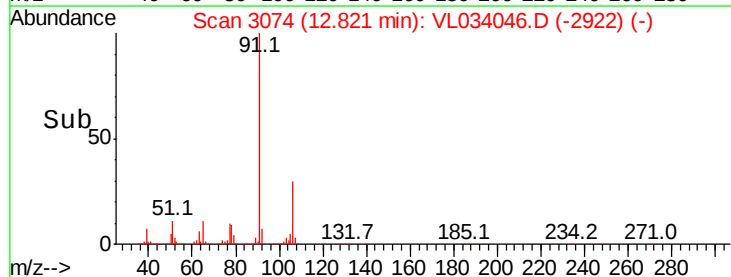
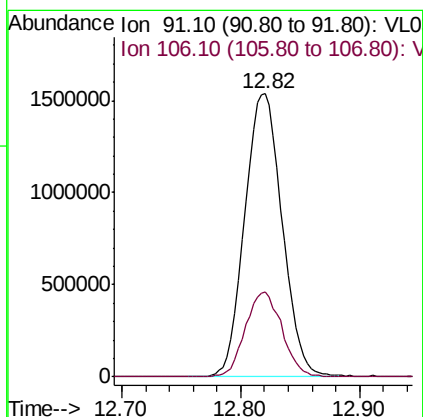
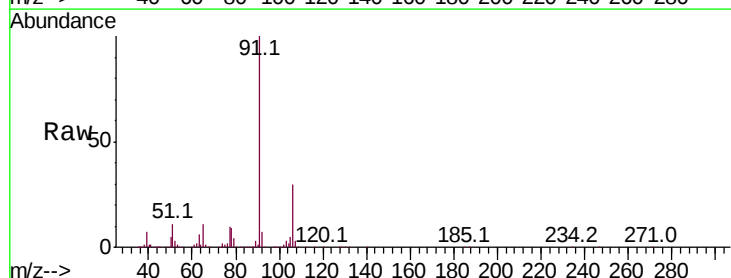
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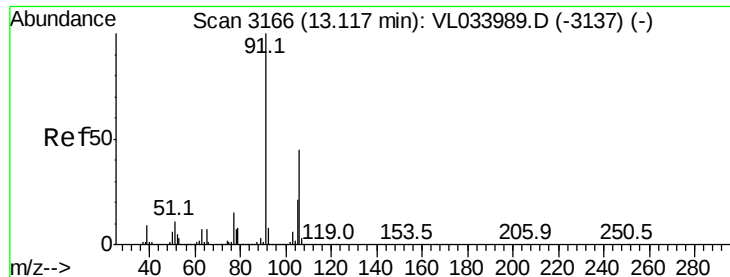
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7/19/2019 1:37:30 AM



#58
Ethyl Benzene
Concen: 10.565 ppbv
RT: 12.82 min Scan# 3074
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.3	34.9





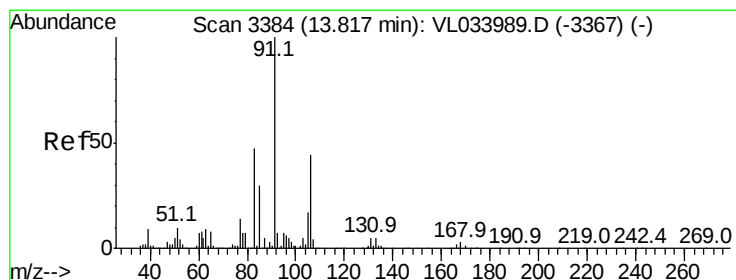
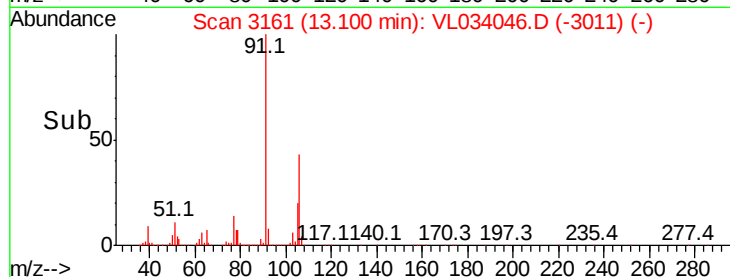
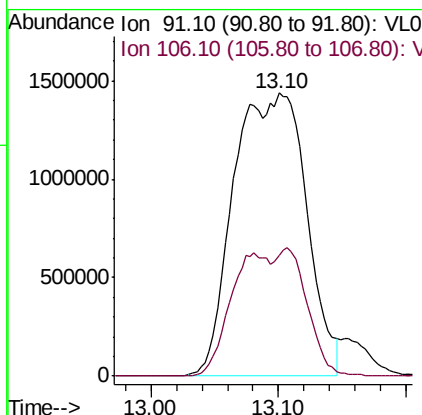
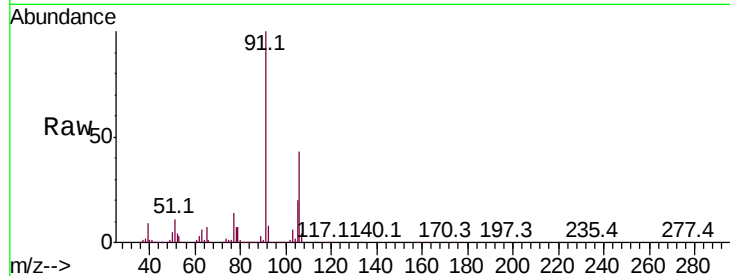
#59
m/p-Xylene
Concen: 19.714 ppbv m
RT: 13.10 min Scan# 3161
Delta R.T. -0.02 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5666961
Ion Ratio Lower Upper
91 100
106 44.2 35.7 53.5

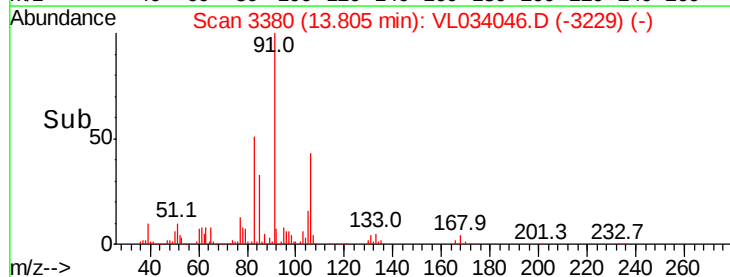
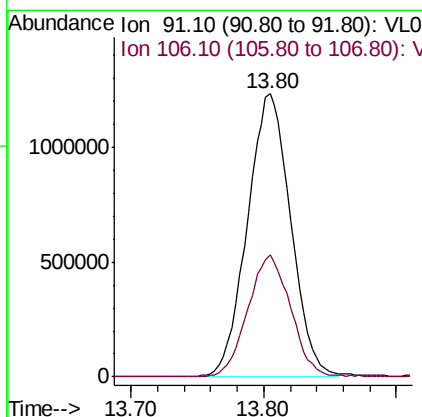
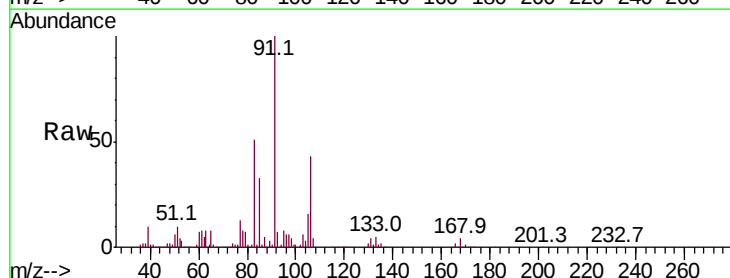
Manual Integrations
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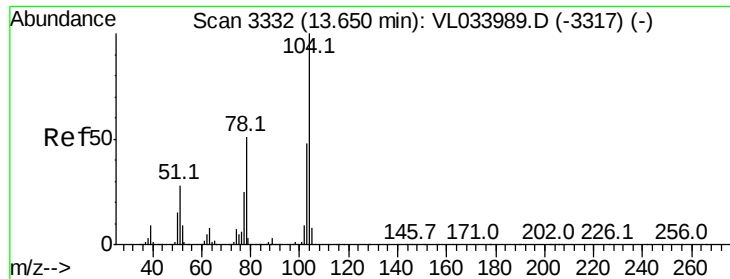
MMDadoda
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#60
o-Xylene
Concen: 9.727 ppbv
RT: 13.80 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion: 91 Resp: 2797318
Ion Ratio Lower Upper
91 100
106 42.9 21.9 65.7





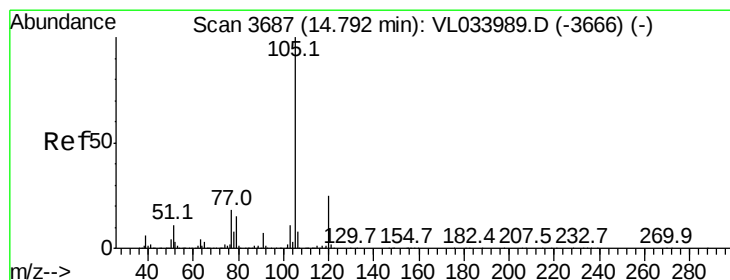
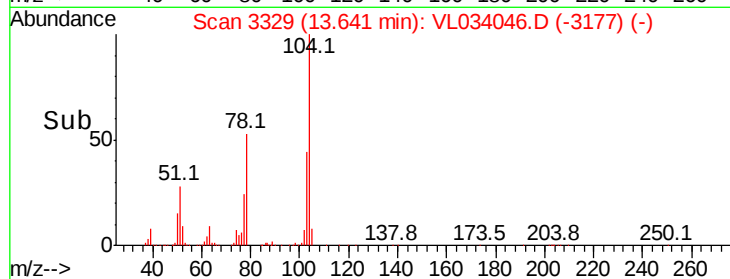
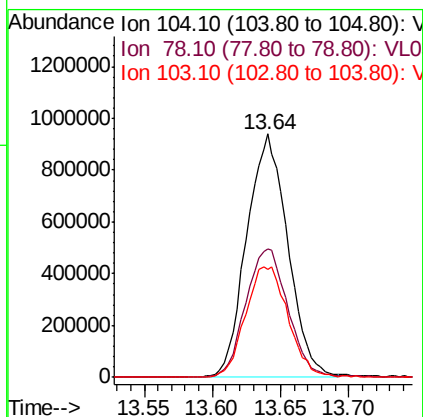
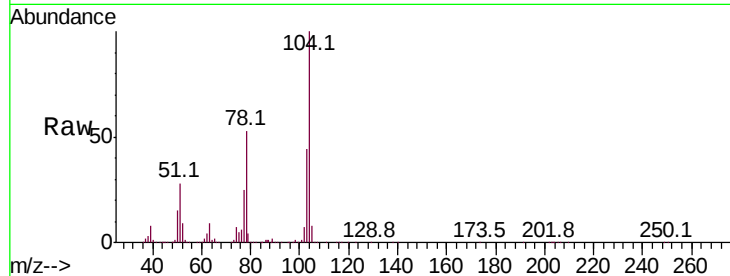
#61
Stvrene
Concen: 10.334 ppbv
RT: 13.64 min Scan# 3329
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.9	65.9
103	47.4	38.1	57.1

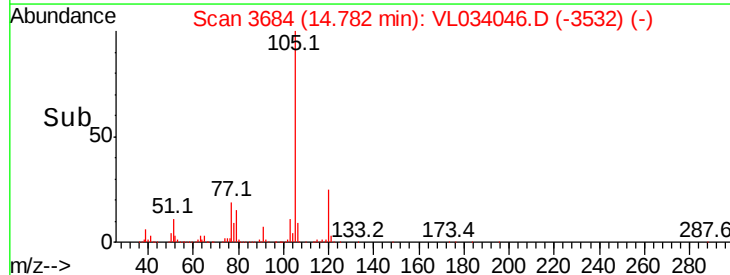
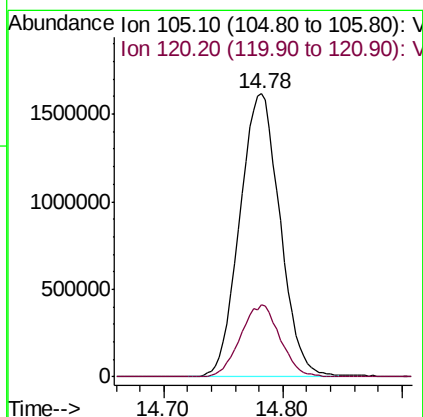
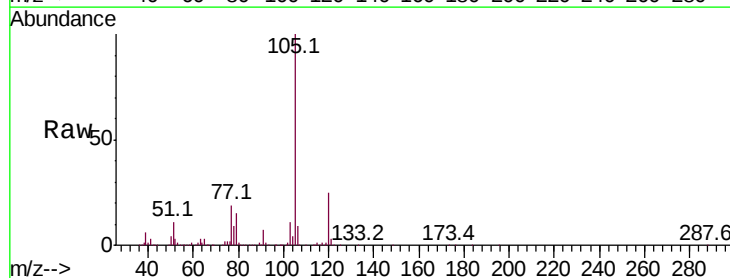
Manual Integrations
APPROVED

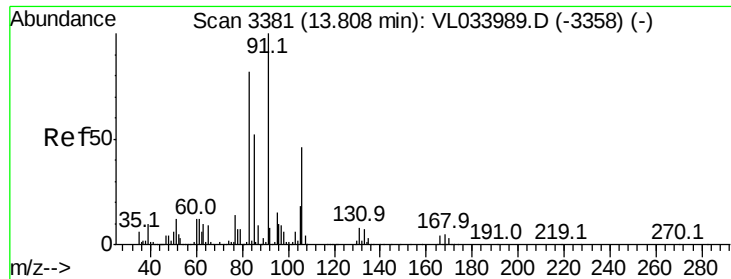
MMDadoda
7/19/2019 1:37:30 AM



#62
Isopropylbenzene
Concen: 8.573 ppbv
RT: 14.78 min Scan# 3684
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.702 ppbv

RT: 13.79 min Scan# 3376

Delta R.T. -0.02 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1937061

Ion Ratio Lower Upper

83 100

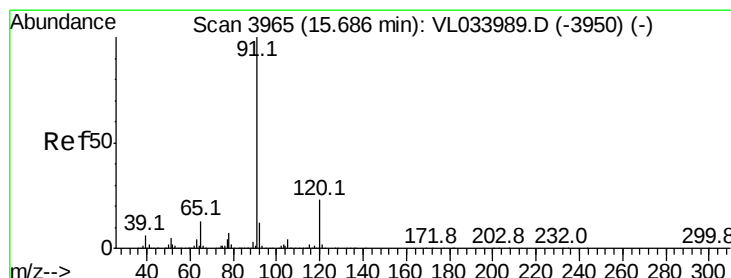
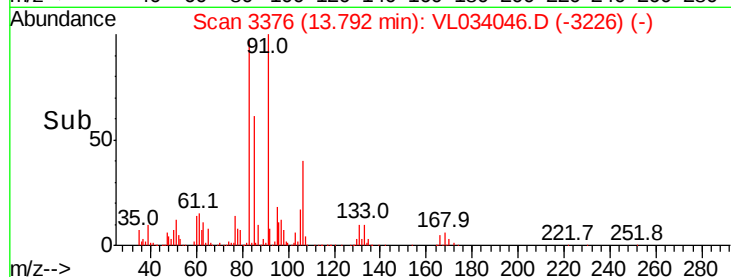
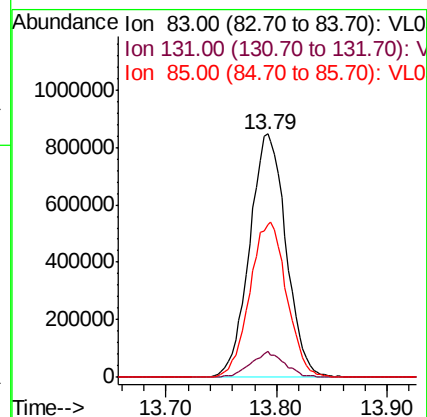
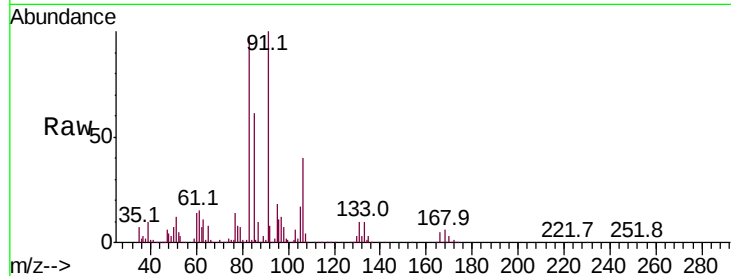
131 9.8 5.0 14.9

85 64.5 32.8 98.3

Manual Integrations
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MMDadoda

7/19/2019 1:37:30 AM



#64

n-propylbenzene

Concen: 8.654 ppbv

RT: 15.68 min Scan# 3962

Delta R.T. -0.01 min

Lab File: VL034046.D

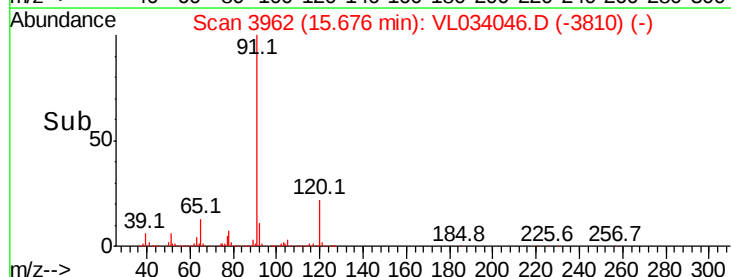
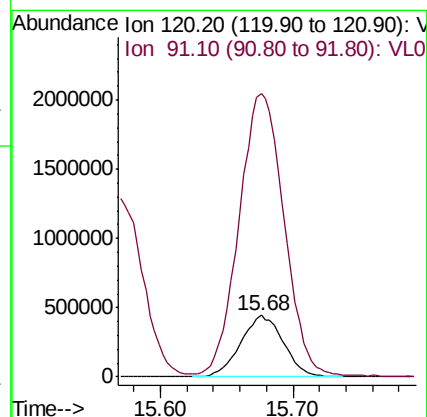
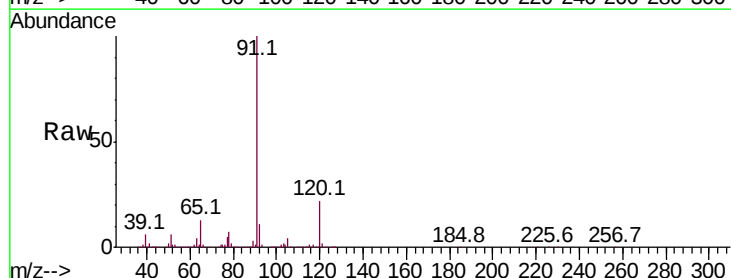
Acq: 18 Jul 2019 10:38

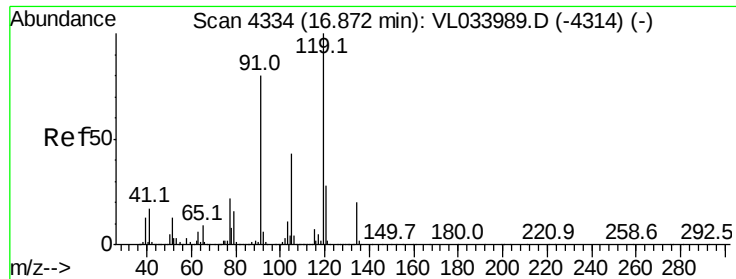
Tgt Ion: 120 Resp: 992121

Ion Ratio Lower Upper

120 100

91 490.0 386.6 579.8





#65

tert-Butylbenzene

Concen: 9.538 ppbv

RT: 16.86 min Scan# 4331

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3585402

Ion Ratio Lower Upper

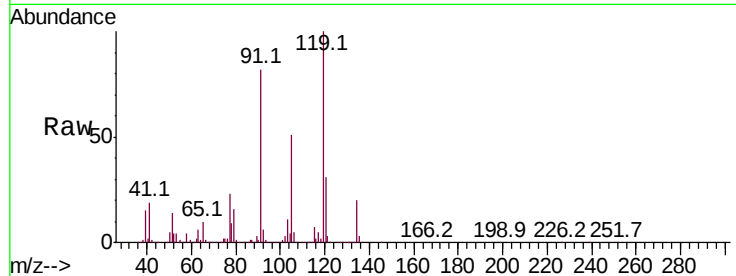
119 100

91 84.0 67.0 100.6

134 19.5 15.8 23.6

Manual Integrations
APPROVED

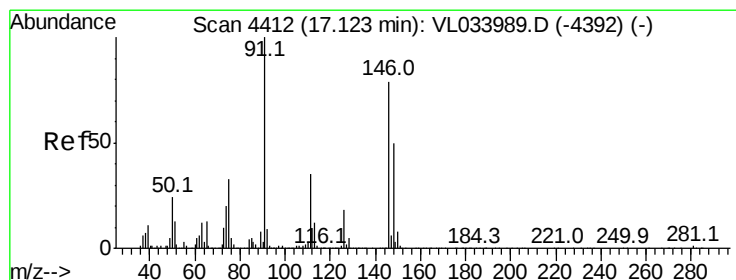
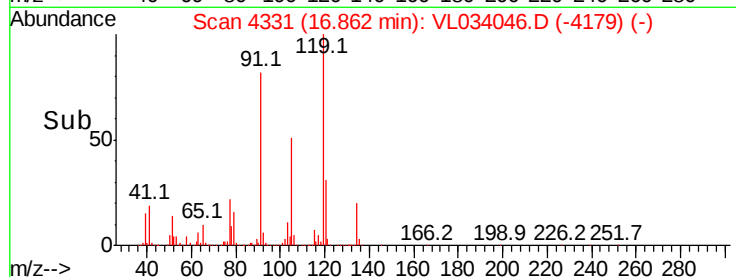
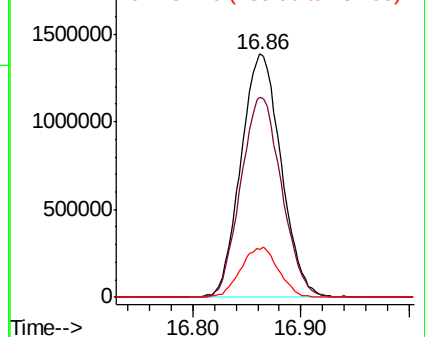
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.982 ppbv

RT: 17.11 min Scan# 4408

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

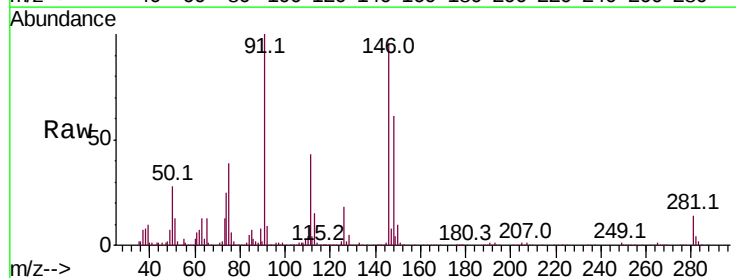
Tgt Ion: 91 Resp: 1535165

Ion Ratio Lower Upper

91 100

126 17.2 13.9 20.9

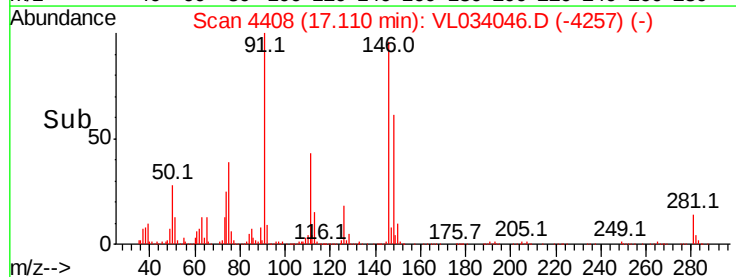
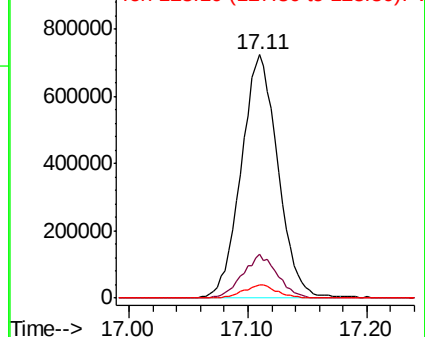
128 5.1 4.6 7.0

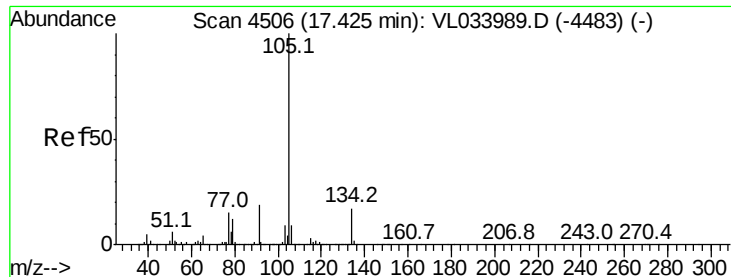


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





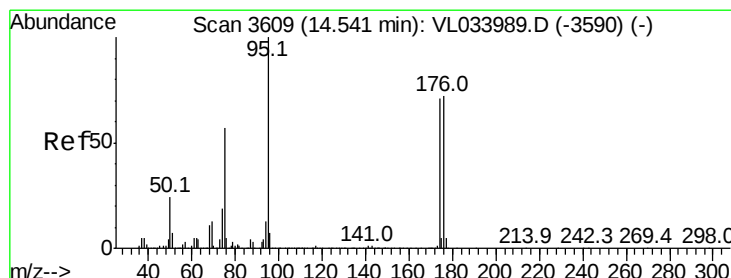
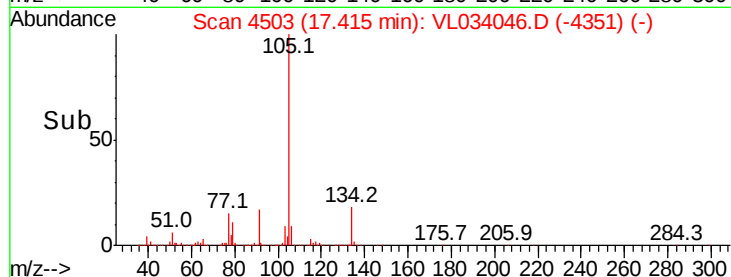
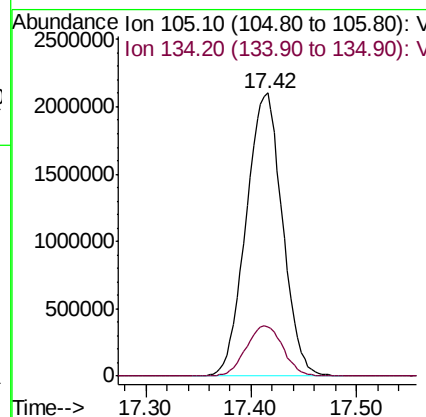
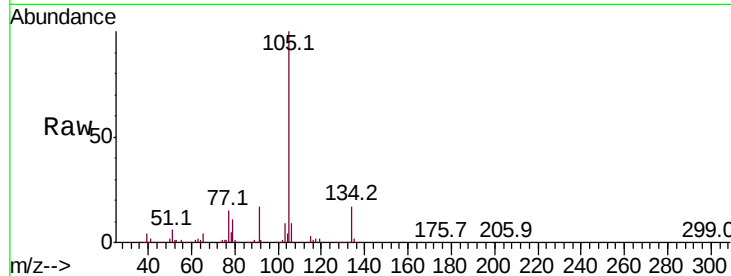
#67
 sec-Butylbenzene
 Concen: 9.542 ppbv
 RT: 17.42 min Scan# 4503
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 5034861
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1

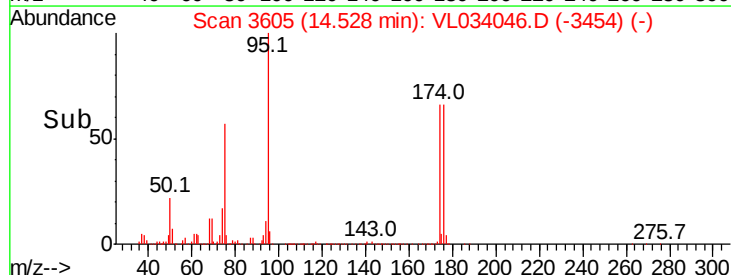
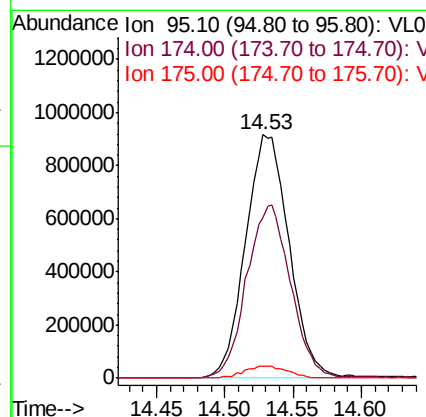
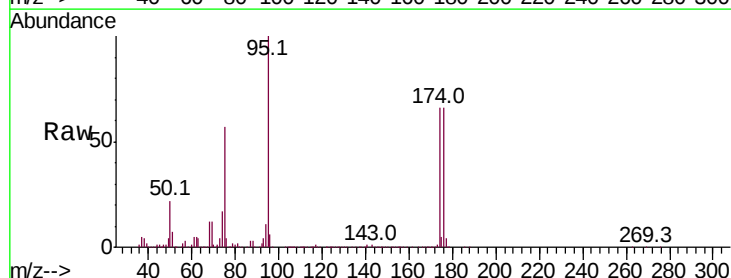
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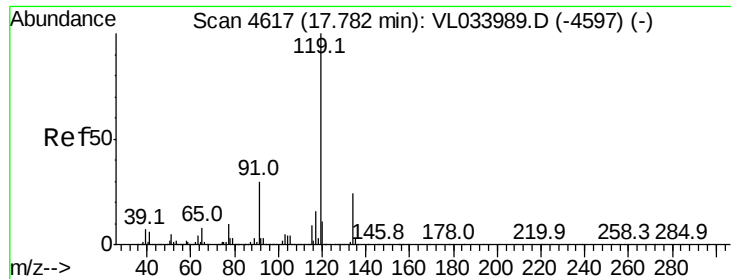
MMDadoda
 7/19/2019 1:37:30 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.020 ppbv
 RT: 14.53 min Scan# 3605
 Delta R.T. -0.01 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Tgt Ion: 95 Resp: 2030956
 Ion Ratio Lower Upper
 95 100
 174 71.9 60.5 90.7
 175 5.1 4.0 6.0





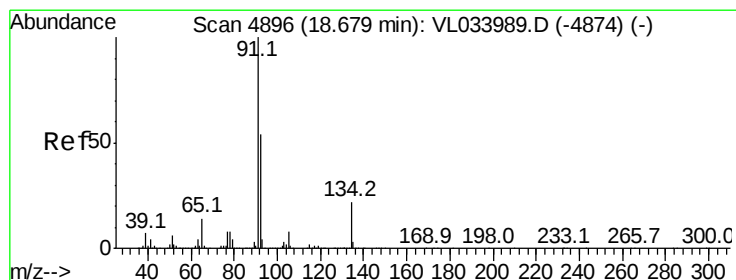
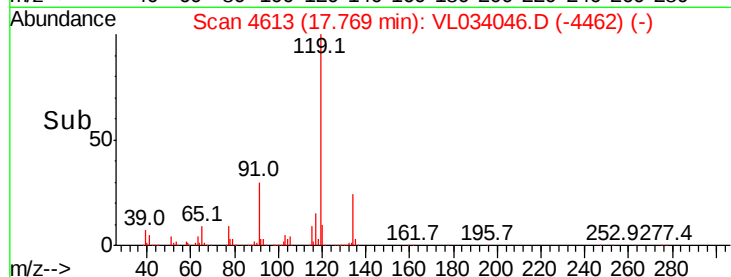
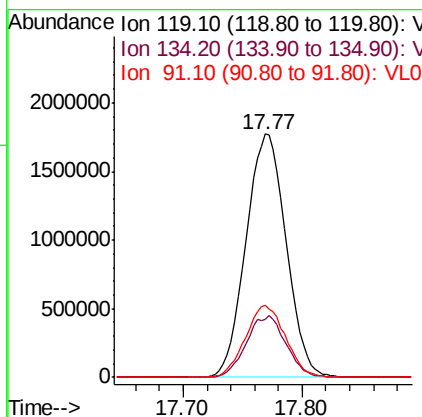
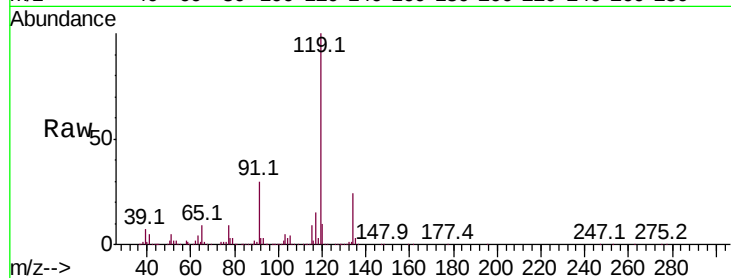
#69
p-Isopropyltoluene
Concen: 9.516 ppbv
RT: 17.77 min Scan# 4613
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.1	30.1
91	29.6	23.6	35.4

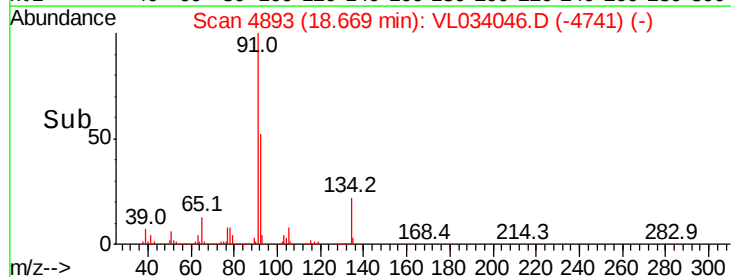
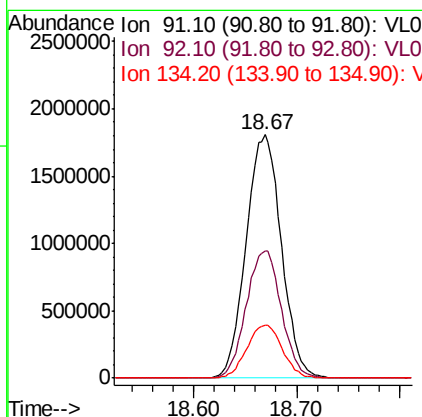
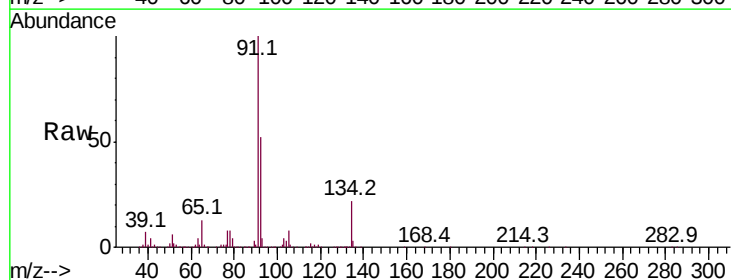
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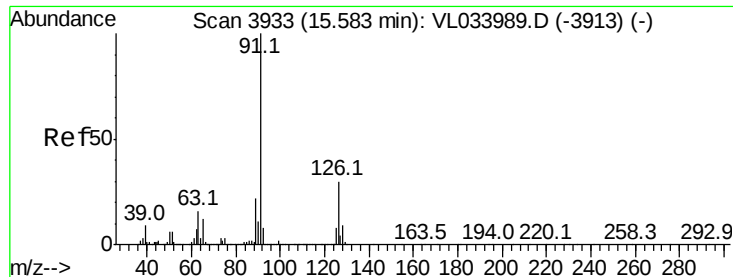
MMDadoda
7/19/2019 1:37:30 AM



#70
n-Butylbenzene
Concen: 9.363 ppbv
RT: 18.67 min Scan# 4893
Delta R.T. -0.01 min
Lab File: VL034046.D
Acq: 18 Jul 2019 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	42.0	63.0
134	21.9	17.9	26.9





#71

2-Chlorotoluene

Concen: 9.080 ppbv

RT: 15.57 min Scan# 3929

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2937638

Ion Ratio Lower Upper

91 100

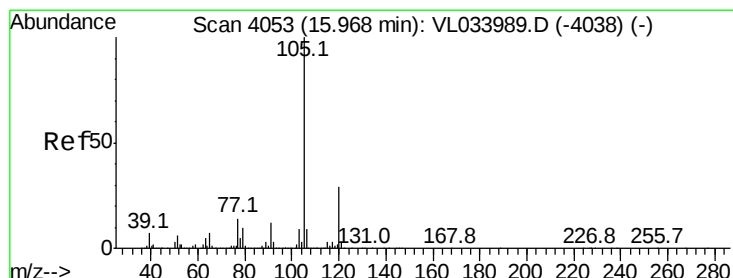
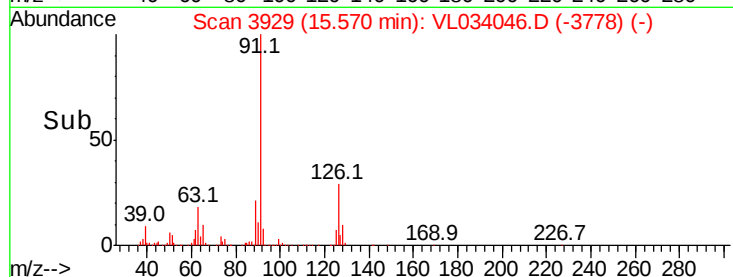
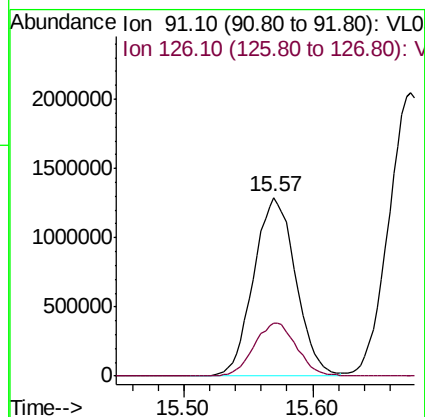
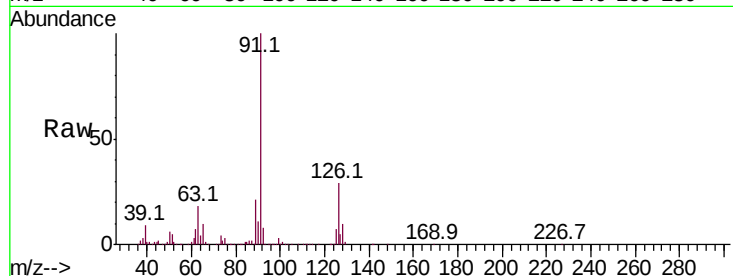
126 30.1 12.3 49.3

Manual Integrations

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#72

4-Ethyltoluene

Concen: 8.963 ppbv

RT: 15.95 min Scan# 4048

Delta R.T. -0.02 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion: 105 Resp: 3309968

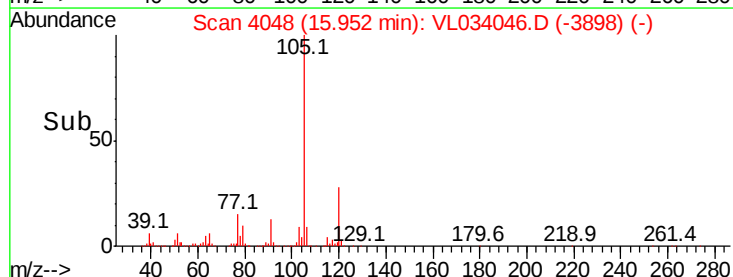
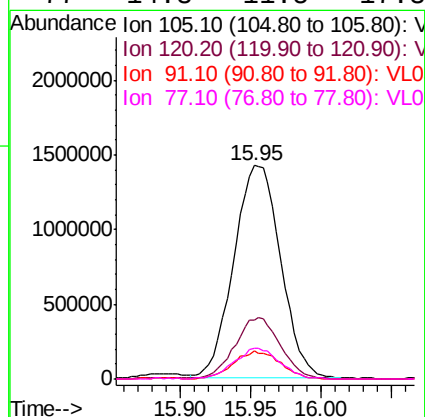
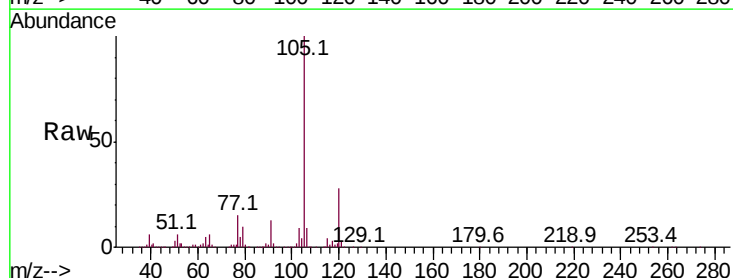
Ion Ratio Lower Upper

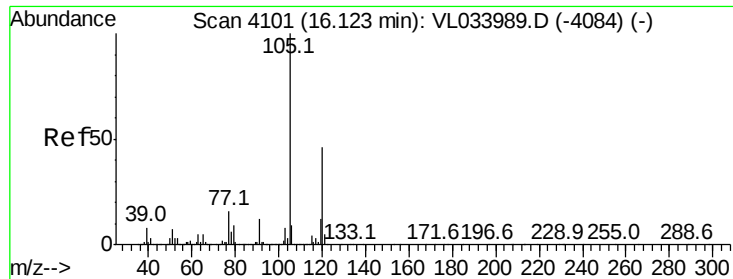
105 100

120 28.1 24.1 36.1

91 13.0 10.6 16.0

77 14.3 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.381 ppbv

RT: 16.11 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3223531

Ion Ratio Lower Upper

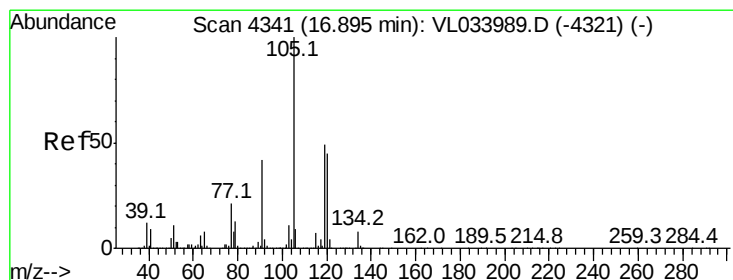
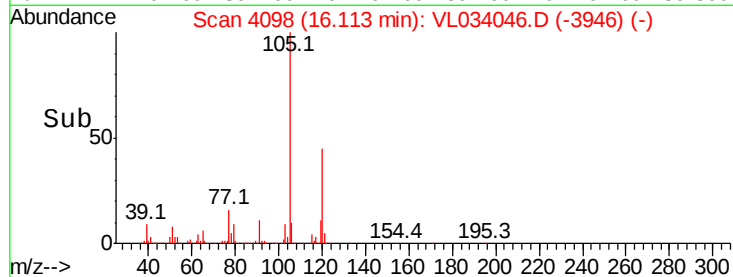
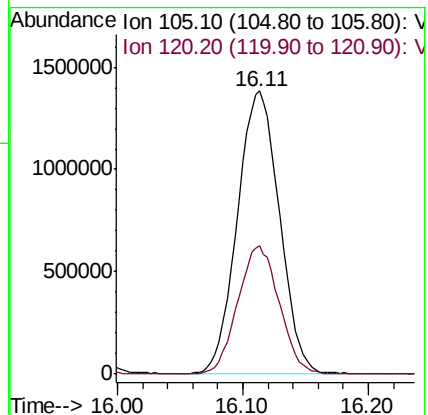
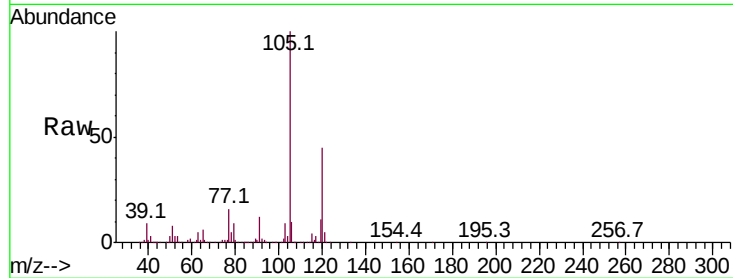
105 100

120 45.4 36.4 54.6

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#74

1,2,4-Trimethylbenzene

Concen: 8.873 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. -0.02 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion:105 Resp: 3376745

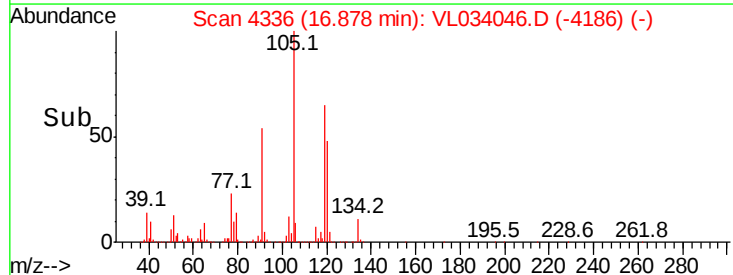
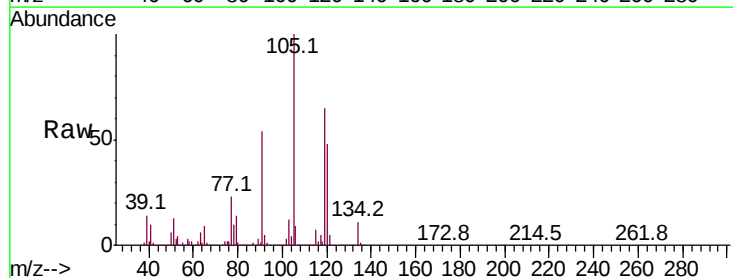
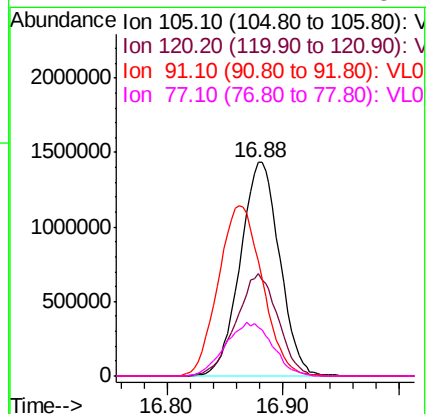
Ion Ratio Lower Upper

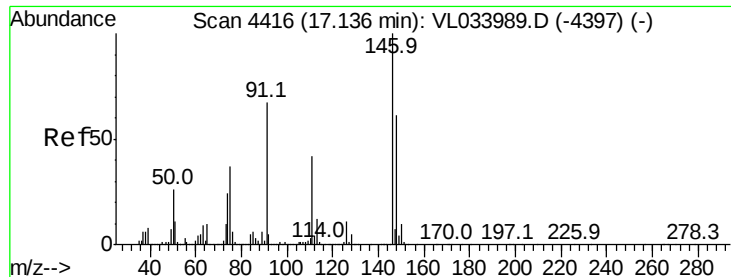
105 100

120 47.6 36.2 54.2

91 54.0 34.3 51.5#

77 22.7 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 8.105 ppbv

RT: 17.12 min Scan# 4412

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1959371

Ion Ratio Lower Upper

146 100

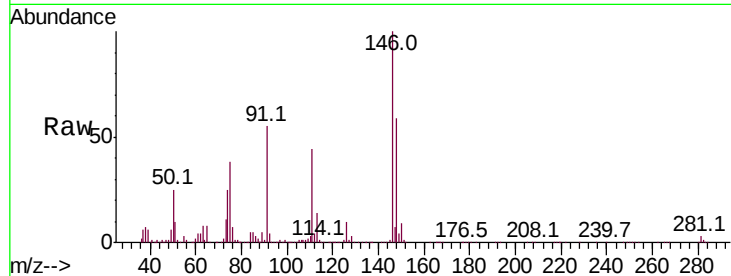
111 44.7 22.3 66.9

148 63.8 32.0 96.2

Manual Integrations
APPROVED

MMDadoda

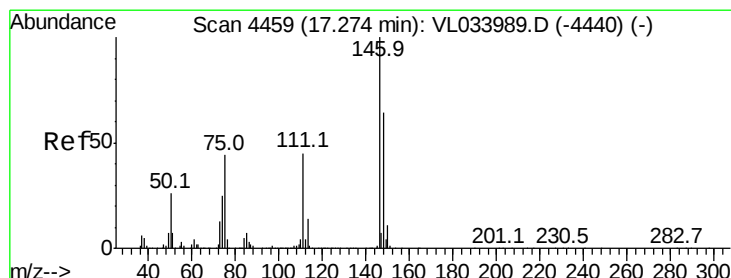
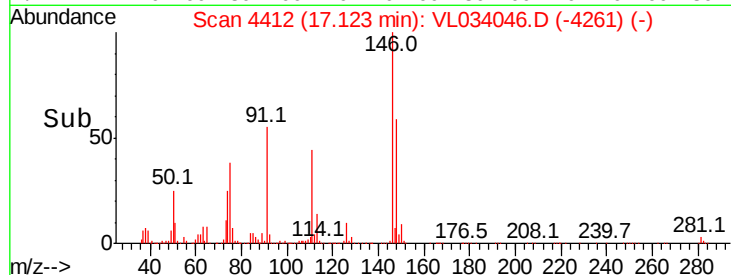
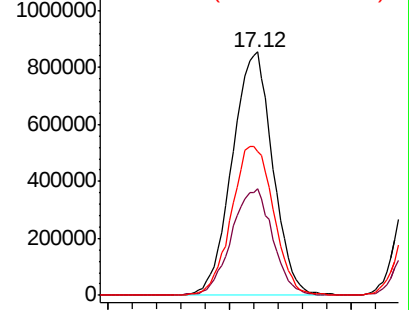
7/19/2019 1:37:30 AM



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



#76

1,4-Dichlorobenzene

Concen: 8.302 ppbv

RT: 17.26 min Scan# 4454

Delta R.T. -0.02 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

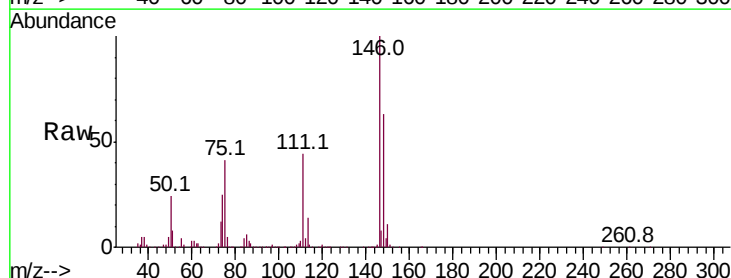
Tgt Ion:146 Resp: 1890293

Ion Ratio Lower Upper

146 100

111 44.3 21.9 65.5

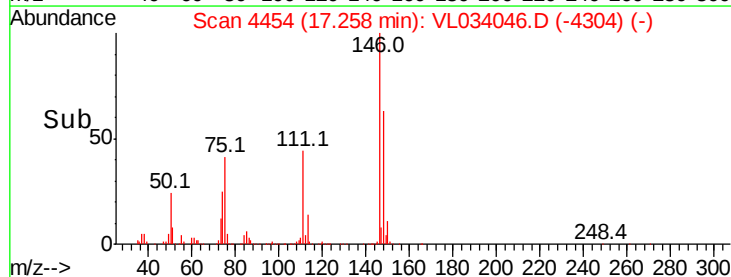
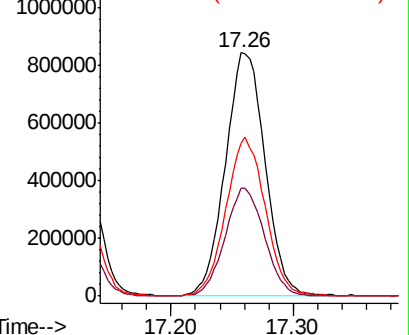
148 65.0 32.5 97.5

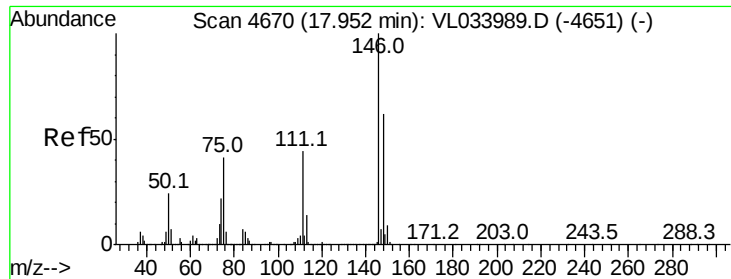


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.308 ppbv

RT: 17.94 min Scan# 4667

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1859748

Ion Ratio Lower Upper

146 100

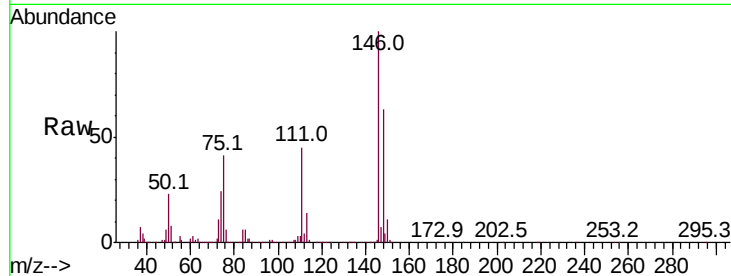
111 46.5 22.7 68.1

148 63.8 32.1 96.3

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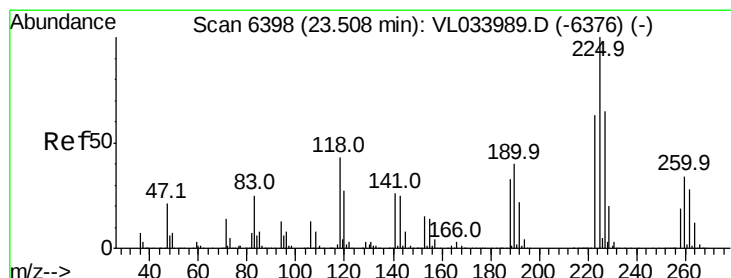
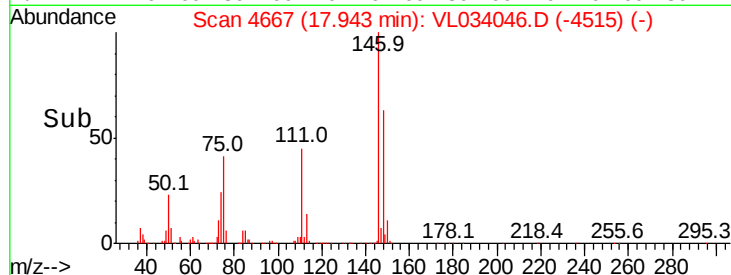
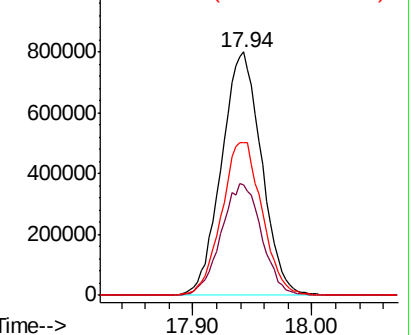
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.065 ppbv

RT: 23.50 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

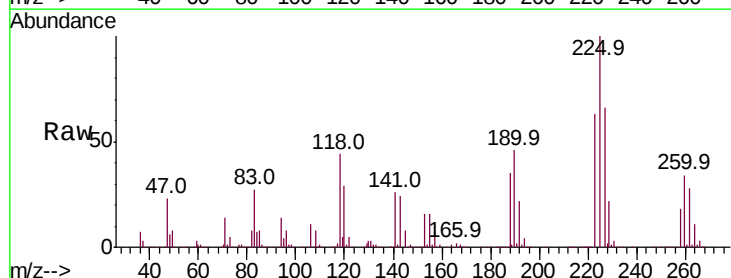
Tgt Ion:225 Resp: 1536192

Ion Ratio Lower Upper

225 100

223 63.4 51.5 77.3

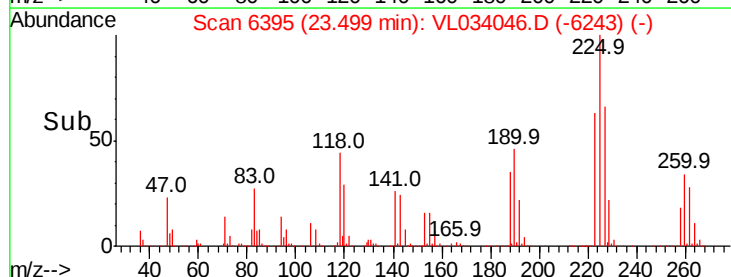
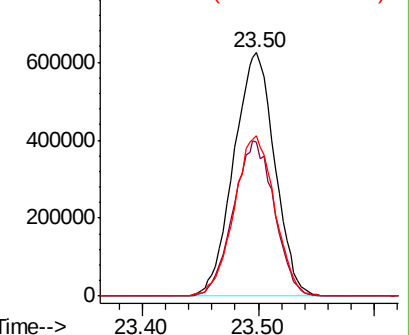
227 65.1 52.1 78.1

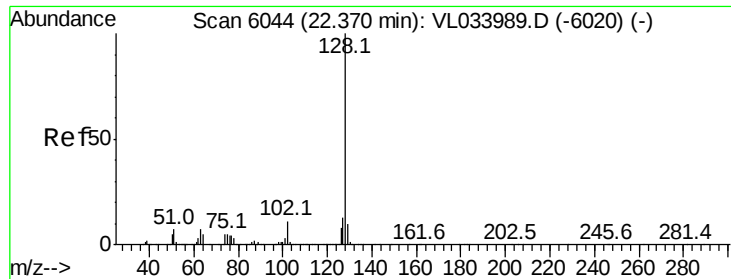


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.154 ppbv

RT: 22.35 min Scan# 6039

Delta R.T. -0.02 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Instrument :

MSVOA_L

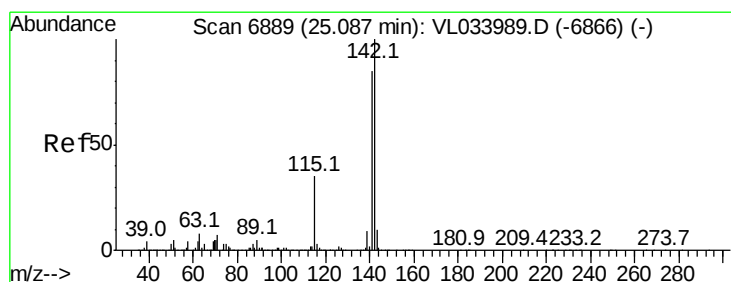
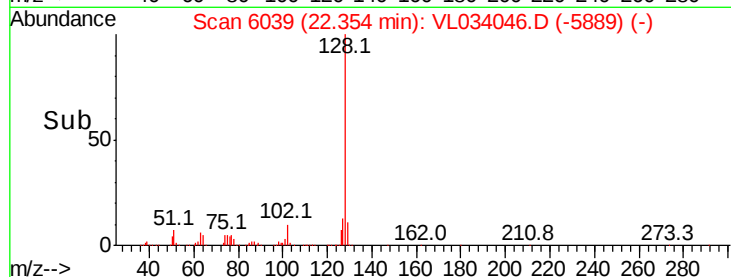
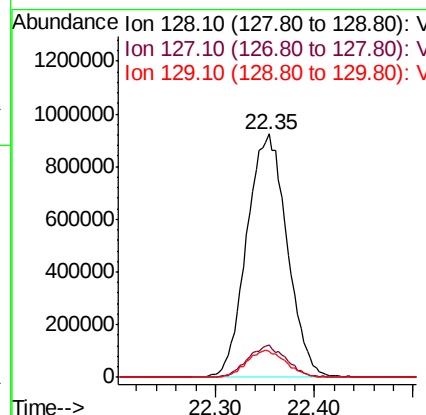
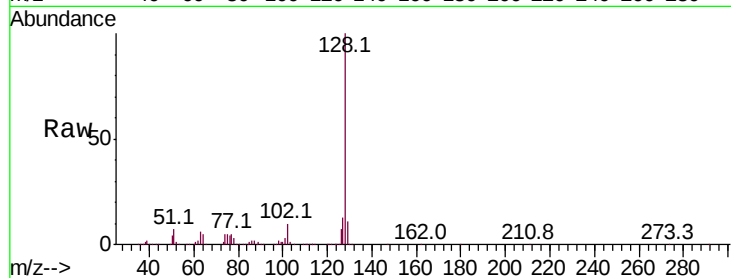
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	2608907
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.3	12.5

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#80

Naphthalene, 2-methyl-

Concen: 6.005 ppbv

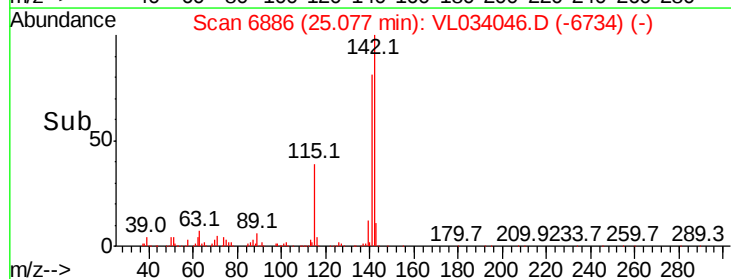
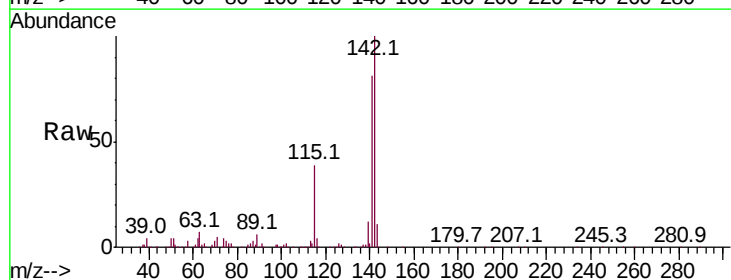
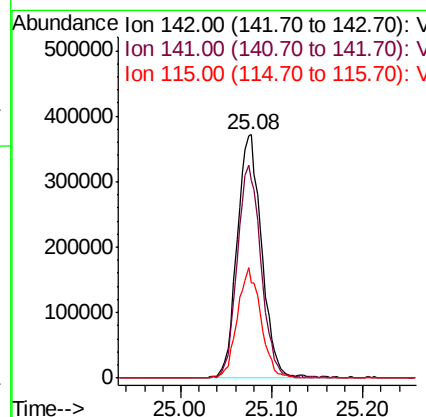
RT: 25.08 min Scan# 6886

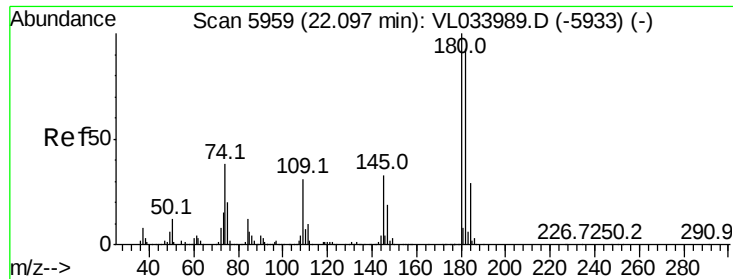
Delta R.T. -0.01 min

Lab File: VL034046.D

Acq: 18 Jul 2019 10:38

Tgt Ion:	142	Resp:	699248
Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.2	102.2
115	43.4	29.9	44.9





#81
 1,2,4-Trichlorobenzene
 Concen: 7.598 ppbv
 RT: 22.08 min Scan# 5953
 Delta R.T. -0.02 min
 Lab File: VL034046.D
 Acq: 18 Jul 2019 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
184	30.5	24.6	36.8

Manual Integrations
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 7/19/2019 1:37:30 AM

