

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032006.D
 Acq On : 16 May 2018 18:20
 Operator : SY/AP
 Sample : VL0516ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:12 PM

Quant Time: May 17 09:13:14 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 0
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1667006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2431503	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.38	117	2730204m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2096935	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	1214671	5.52	ppbv	99
3) Chlorodifluoromethane	3.09	51	1116180	7.12	ppbv	98
4) Chloromethane	3.25	50	574569	6.95	ppbv	96
5) Vinyl Chloride	3.38	62	606242	6.50	ppbv	99
6) Bromomethane	3.60	94	445881	7.34	ppbv	91
7) Chloroethane	3.69	64	257235	7.25	ppbv	89
8) Dichlorotetrafluoroethane	3.30	85	1511749	6.89	ppbv	97
9) Propene	3.12	41	406153	7.07	ppbv	97
10) Heptane	8.37	43	1487135	7.52	ppbv	99
11) Trichlorofluoromethane	4.10	101	2224498	8.37	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1434619	7.66	ppbv	95
13) Ethanol	3.74	45	134252	6.25	ppbv #	100
14) Bromoethene	3.88	108	503566	7.28	ppbv	99
15) Acetone	4.00	43	1313799	5.58	ppbv	97
16) 1,3-Butadiene	3.45	39	550048	7.26	ppbv	97
17) tert-Butyl alcohol	4.45	59	785948	8.06	ppbv	99
18) 1,1-Dichloroethene	4.45	96	649492	7.91	ppbv	98
19) Isopropyl Alcohol	4.12	45	1010969	7.93	ppbv	100
20) Methylene Chloride	4.51	84	619250	7.79	ppbv	98
21) Allyl Chloride	4.58	41	1025182	7.63	ppbv	97
22) trans-1,2-Dichloroethene	5.07	96	685312	7.52	ppbv	98
23) Vinyl Acetate	5.26	43	2030763	7.54	ppbv	99
24) 1,1-Dichloroethane	5.20	63	1797182	7.15	ppbv	99
25) Ethyl Acetate	5.88	43	3688299	9.12	ppbv	100
26) Hexane	5.90	57	1744537	9.17	ppbv	99
27) Carbon Disulfide	4.73	76	1805862	8.48	ppbv	100
28) Methyl tert-Butyl Ether	5.22	73	1720337	7.36	ppbv	99
29) Chloroform	5.97	83	2773588	9.22	ppbv	99
30) Cyclohexane	7.37	84	865341	6.83	ppbv	98
31) cis-1,2-Dichloroethene	5.76	61	1633221	9.39	ppbv	96
32) 1,1,1-Trichloroethane	6.74	97	1854245	6.68	ppbv	99
34) 2-Butanone	5.44	43	1852144	9.23	ppbv	100
35) Carbon Tetrachloride	7.26	117	1882915	9.77	ppbv	98
36) Benzene	7.13	78	2171538	9.48	ppbv	98
37) 1,2-Dichloroethane	6.53	62	1524076	9.26	ppbv	99
38) Trichloroethene	8.09	130	927308	10.66	ppbv	98
39) 1,2-Dichloropropane	7.86	63	797289	10.00	ppbv	95
40) 1,4-Dioxane	8.08	88	376588	10.48	ppbv	97
41) Tetrahydrofuran	6.27	42	801362	9.17	ppbv	99
42) Bromodichloromethane	8.05	83	1924537	10.49	ppbv	100
43) Methyl Methacrylate	8.27	69	844197	10.94	ppbv	98

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 5/17/2018 3:34:12 PM

Quant Time: May 17 09:13:14 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 0
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3795494	10.27	ppbv	100
45) t-1,3-Dichloropropene	9.55	75	1225010	11.98	ppbv	97
46) cis-1,3-Dichloropropene	8.97	75	1481089	11.73	ppbv	97
47) 1,1,2-Trichloroethane	9.75	97	956403	10.14	ppbv	97
48) Dibromochloromethane	10.59	129	1647391	10.89	ppbv	100
49) Bromoform	13.34	173	1284754	10.95	ppbv	100
50) 4-Methyl-2-Pentanone	9.00	43	2014193	10.63	ppbv	100
51) 2-Hexanone	10.40	43	1942136	11.26	ppbv #	100
52) Tetrachloroethene	11.51	164	878829	10.36	ppbv	99
53) Toluene	10.08	91	2716180	11.00	ppbv	100
54) 1,2-Dibromoethane	10.90	107	1472353	10.47	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.42	131	1126631	9.06	ppbv #	60
57) Chlorobenzene	12.44	112	2122498	9.01	ppbv	97
58) Ethyl Benzene	13.00	91	3782084	9.67	ppbv	99
59) m/p-Xylene	13.29	91	6336851m	19.11	ppbv	
60) o-Xylene	13.99	91	3179018	9.55	ppbv	100
61) Styrene	13.82	104	738668	10.94	ppbv	100
62) Isopropylbenzene	14.96	105	3937929	9.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.97	83	2047786	8.66	ppbv	99
64) n-propylbenzene	15.86	120	995593	9.33	ppbv	100
65) tert-Butylbenzene	17.04	119	3424999	9.02	ppbv	100
66) Benzyl Chloride	17.29	91	347077	10.07	ppbv	99
67) sec-Butylbenzene	17.59	105	4885184	9.27	ppbv	100
69) p-Isopropyltoluene	17.95	119	3997895	9.44	ppbv	99
70) n-Butylbenzene	18.85	91	4201178	9.59	ppbv	99
71) 2-Chlorotoluene	15.76	91	2952313	9.48	ppbv	100
72) 4-Ethyltoluene	16.13	105	3301079	9.77	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2951979	9.45	ppbv	100
74) 1,2,4-Trimethylbenzene	17.06	105	3185070	9.21	ppbv	96
75) 1,3-Dichlorobenzene	17.30	146	1979338	9.28	ppbv	100
76) 1,4-Dichlorobenzene	17.44	146	2026424	9.60	ppbv	98
77) 1,2-Dichlorobenzene	18.12	146	1968514	9.17	ppbv	99
78) Hexachloro-1,3-Butadiene	23.67	225	1014245m	10.39	ppbv	
79) Naphthalene	22.57	128	3549301	14.75	ppbv	100
80) Naphthalene, 2-methyl-	25.22	142	1646547	28.69	ppbv	99
81) 1,2,4-Trichlorobenzene	22.30	180	1768210m	13.25	ppbv	

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

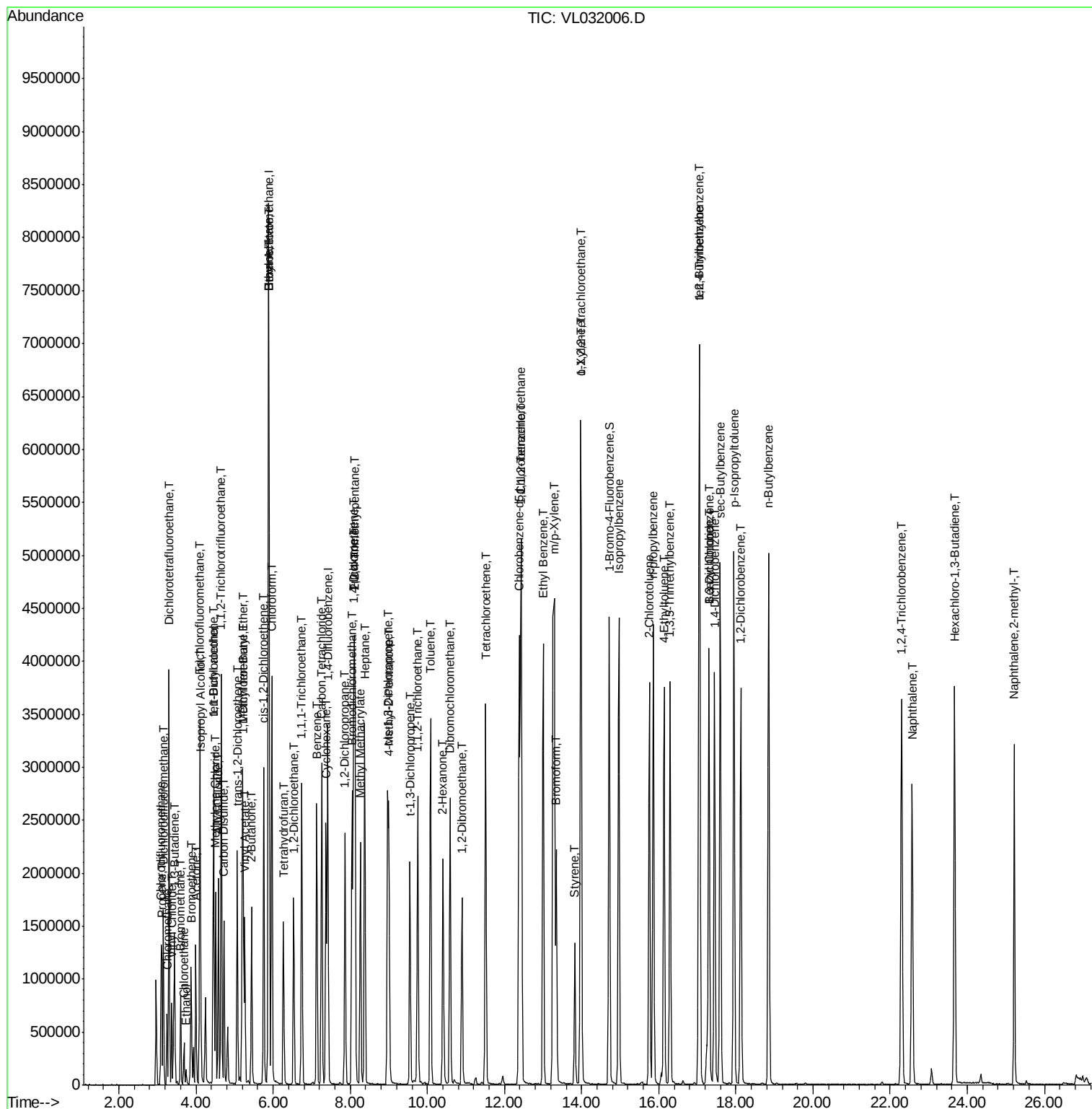
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
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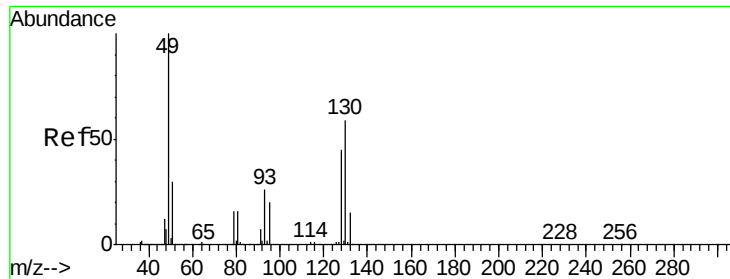
Instrument :
 MSVOA_L
 ClientSampleId :
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 49 Resp: 1667006

Ion Ratio Lower Upper

49 100

128 48.1 24.1 72.3

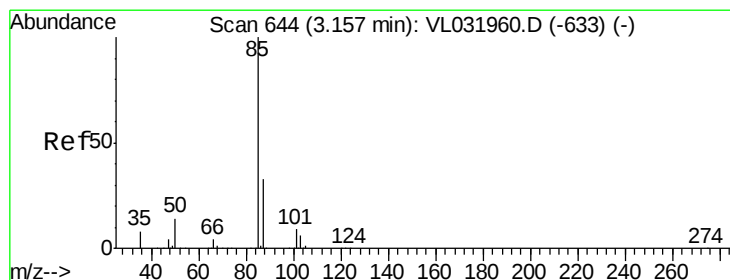
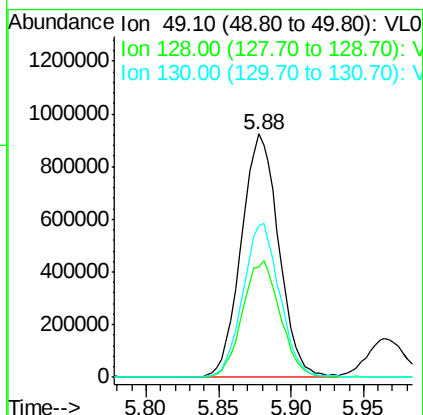
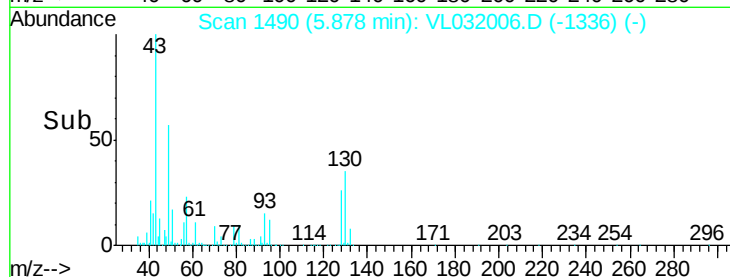
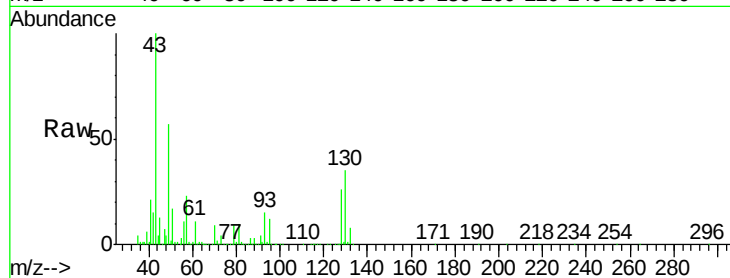
130 62.4 30.7 92.1

Manual Integrations

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5/17/2018 3:34:12 PM



#2

Dichlorodifluoromethane

Concen: 5.52 ppbv

RT: 3.15 min Scan# 643

Delta R.T. -0.00 min

Lab File: VL032006.D

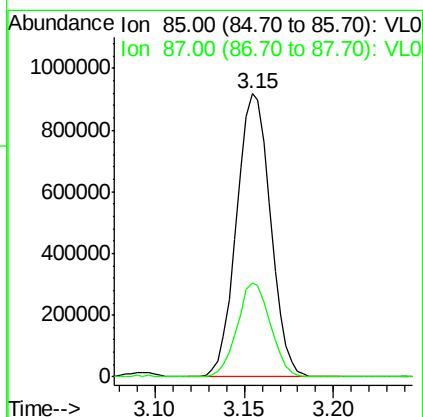
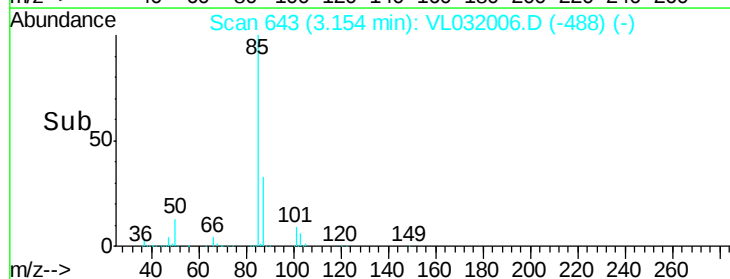
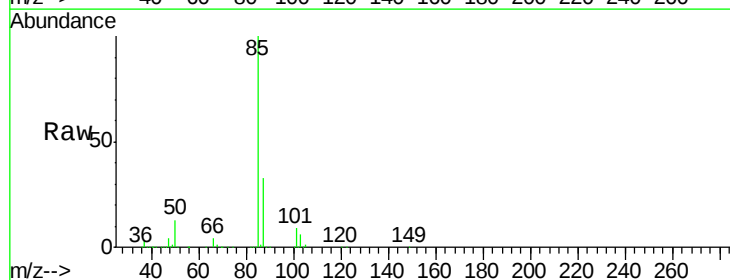
Acq: 16 May 2018 18:20

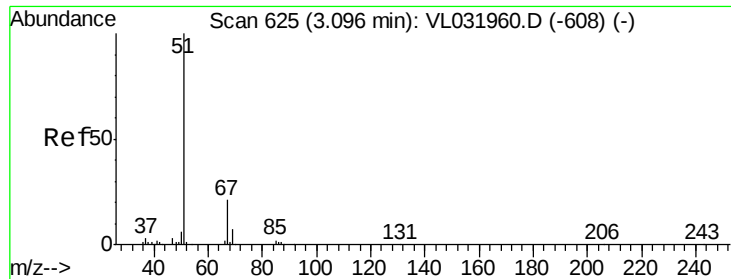
Tgt Ion: 85 Resp: 1214671

Ion Ratio Lower Upper

85 100

87 33.1 26.8 40.2





#3

Chlorodifluoromethane

Concen: 7.12 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 51 Resp: 1116180

Ion Ratio Lower Upper

51 100

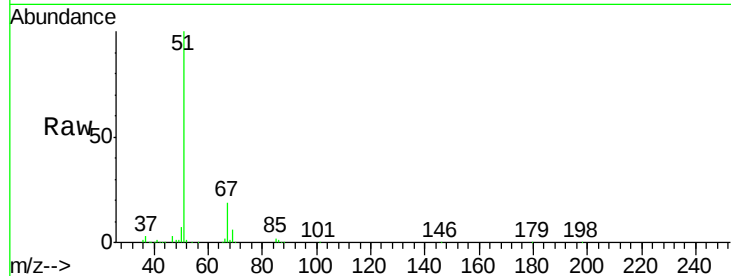
67 20.7 15.9 23.9

Manual Integrations

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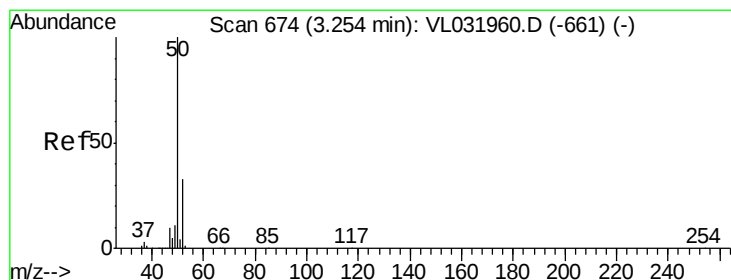
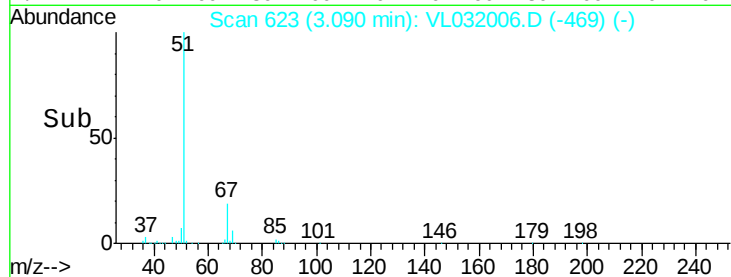
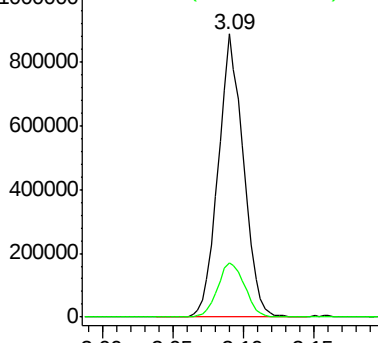
MMDadoda

5/17/2018 3:34:12 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 6.95 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032006.D

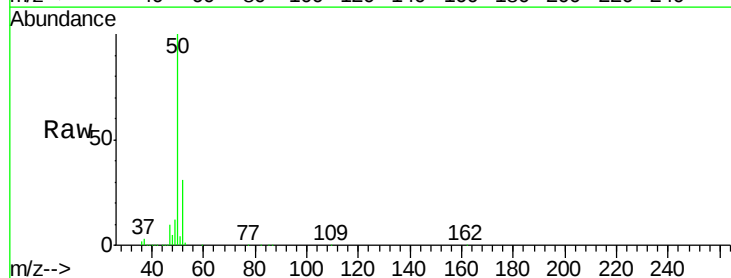
Acq: 16 May 2018 18:20

Tgt Ion: 50 Resp: 574569

Ion Ratio Lower Upper

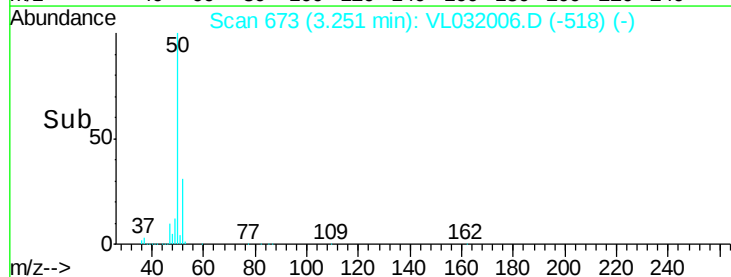
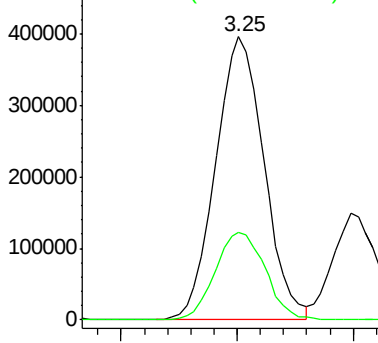
50 100

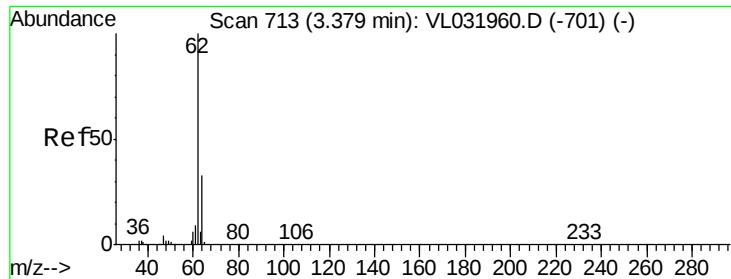
52 31.1 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 6.50 ppbv

RT: 3.38 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 62 Resp: 606242

Ion Ratio Lower Upper

62 100

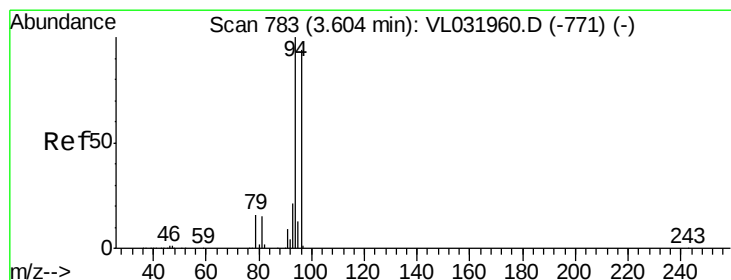
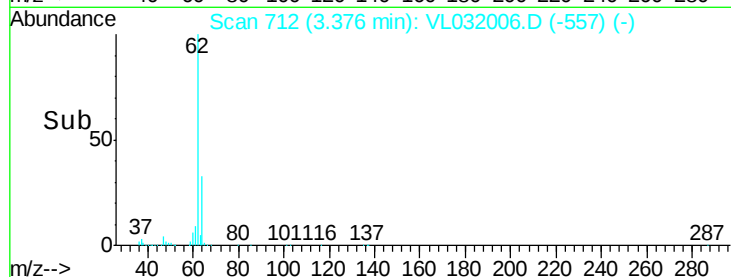
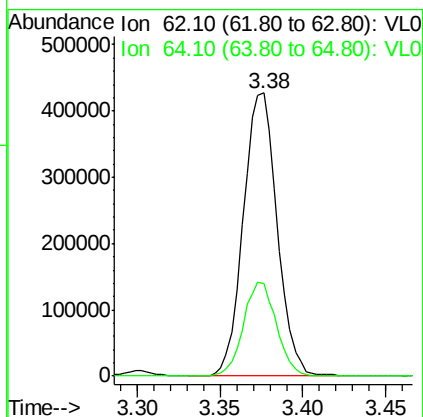
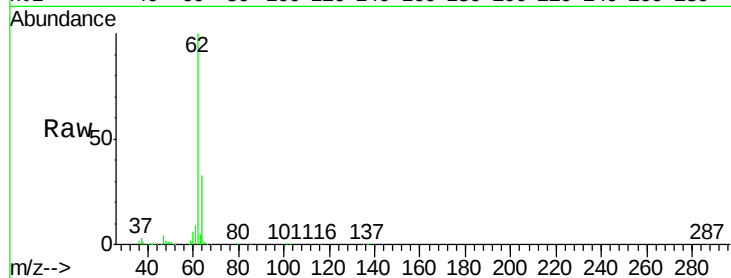
64 32.7 26.6 39.8

Manual Integrations

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#6

Bromomethane

Concen: 7.34 ppbv

RT: 3.60 min Scan# 781

Delta R.T. -0.01 min

Lab File: VL032006.D

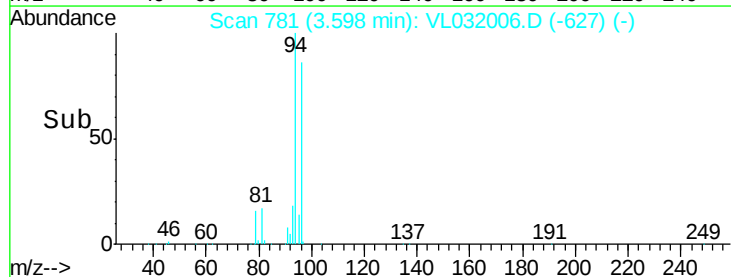
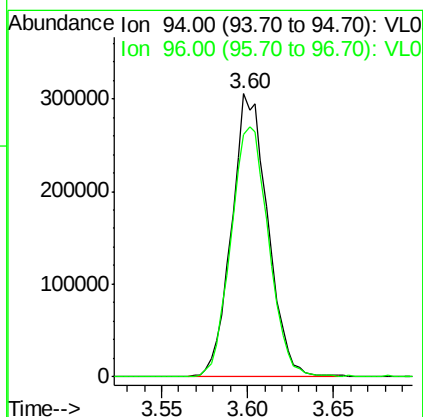
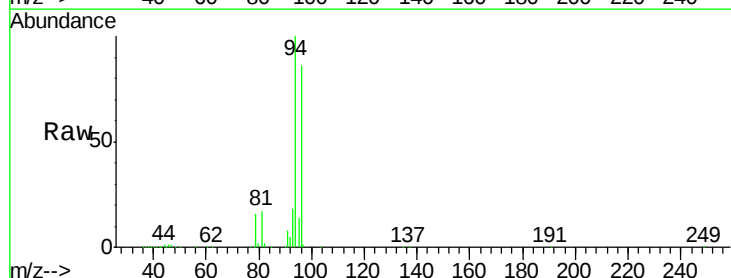
Acq: 16 May 2018 18:20

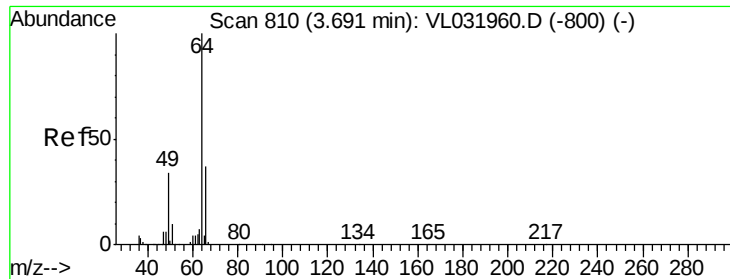
Tgt Ion: 94 Resp: 445881

Ion Ratio Lower Upper

94 100

96 85.5 75.5 113.3





#7

Chloroethane

Concen: 7.25 ppbv

RT: 3.69 min Scan# 809

Delta R.T. -0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 64 Resp: 257235

Ion Ratio Lower Upper

64 100

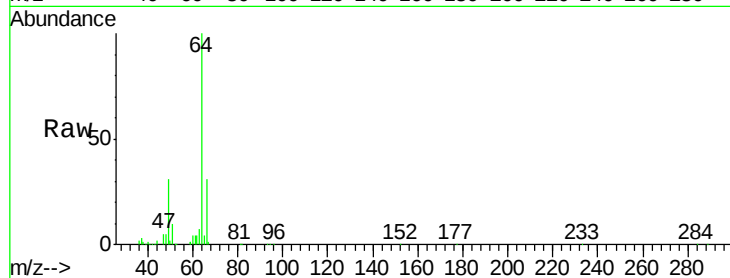
66 30.7 29.6 44.4

Manual Integrations

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5/17/2018 3:34:12 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.69

200000

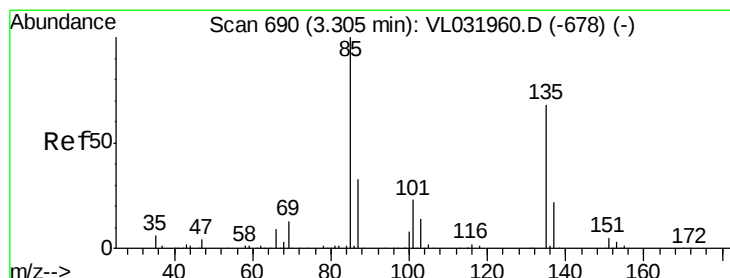
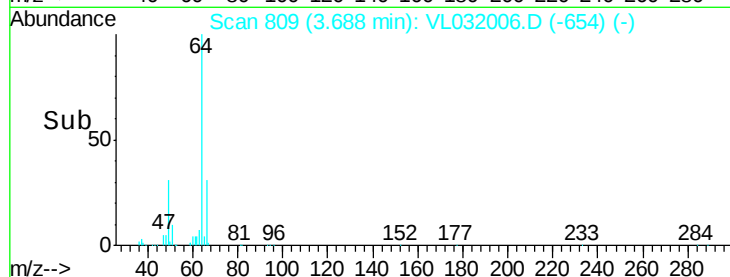
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 6.89 ppbv

RT: 3.30 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL032006.D

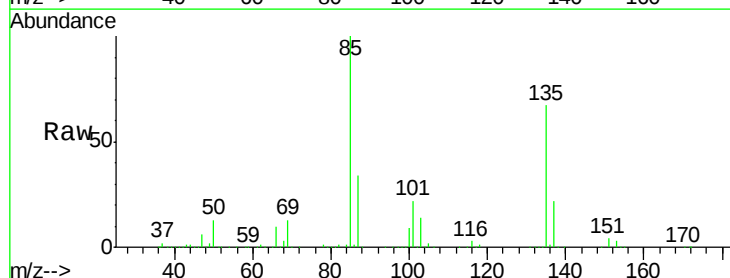
Acq: 16 May 2018 18:20

Tgt Ion: 85 Resp: 1511749

Ion Ratio Lower Upper

85 100

135 66.4 54.8 82.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

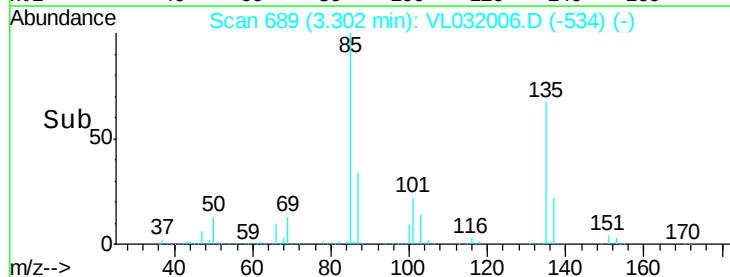
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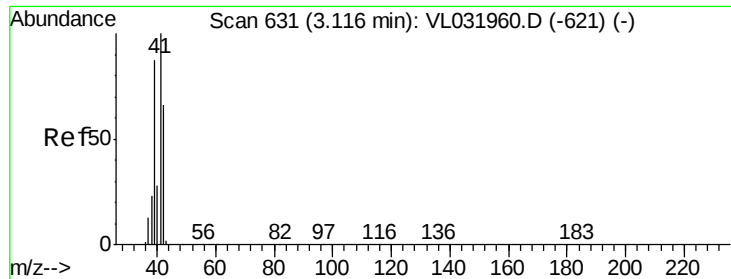
1000000

500000

0

Time-->





#9

Propene

Concen: 7.07 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 41 Resp: 406153

Ion Ratio Lower Upper

41 100

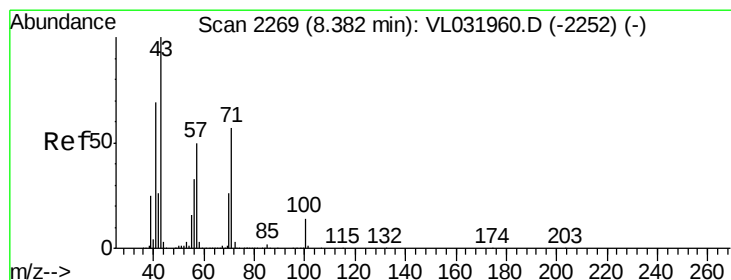
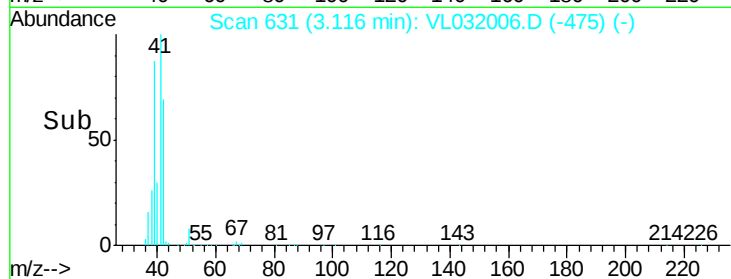
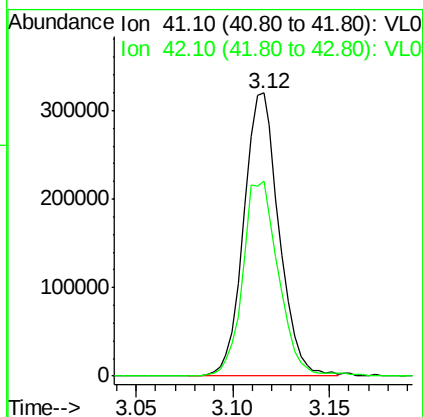
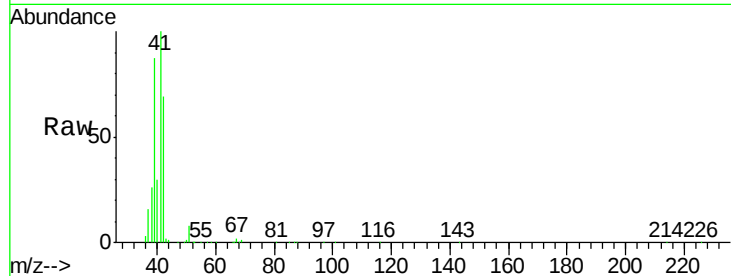
42 70.1 53.9 80.9

Manual Integrations

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5/17/2018 3:34:12 PM



#10

Heptane

Concen: 7.52 ppbv

RT: 8.37 min Scan# 2266

Delta R.T. -0.01 min

Lab File: VL032006.D

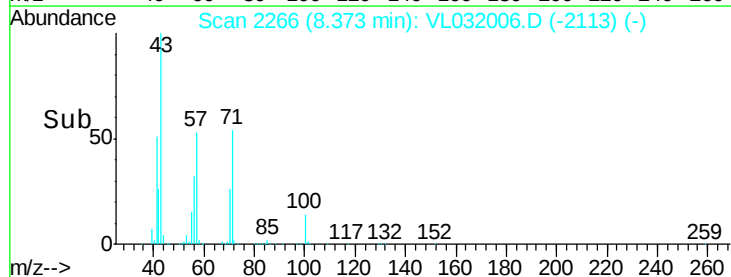
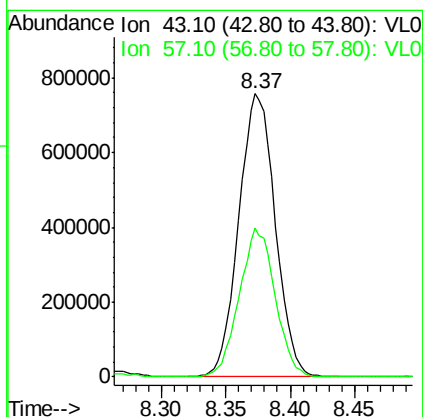
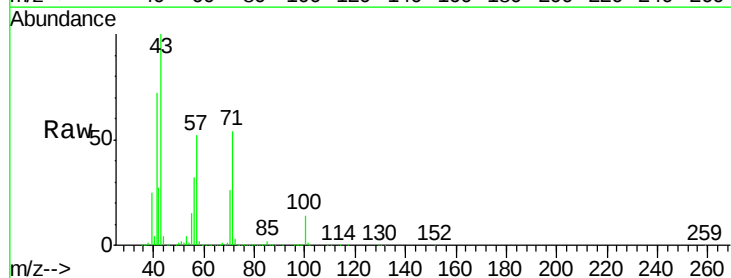
Acq: 16 May 2018 18:20

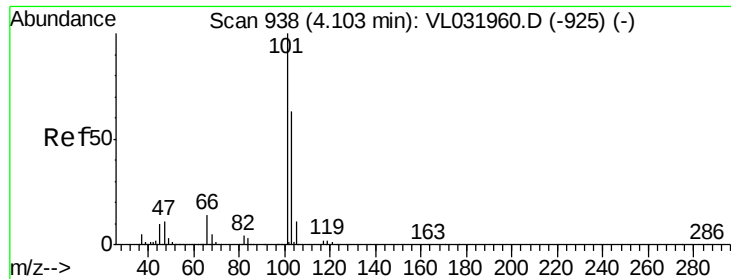
Tgt Ion: 43 Resp: 1487135

Ion Ratio Lower Upper

43 100

57 51.5 40.7 61.1





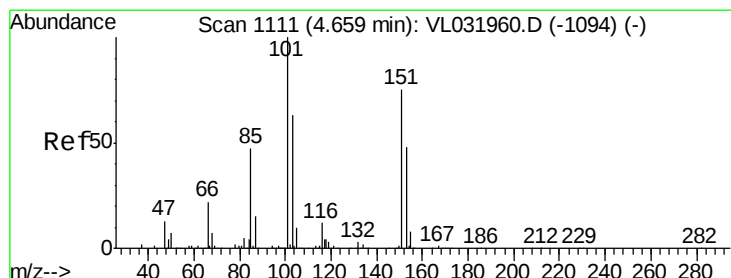
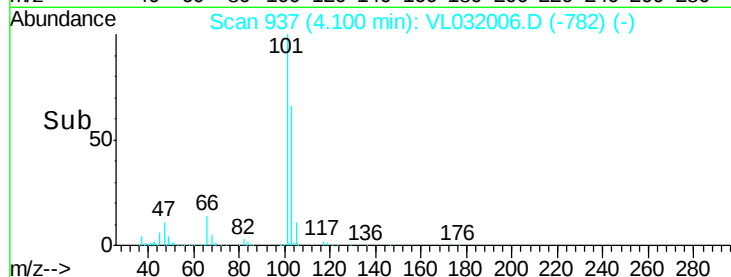
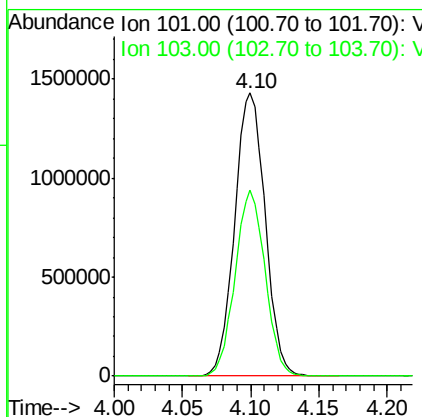
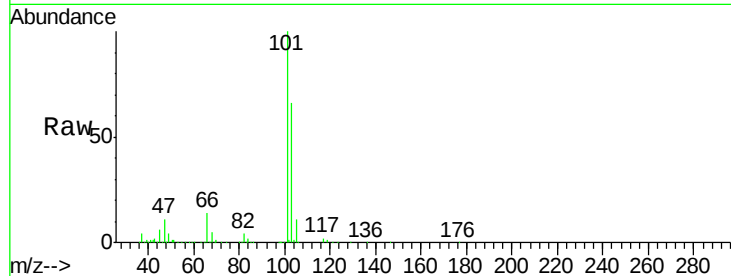
#11
 Trichlorofluoromethane
 Concen: 8.37 ppbv
 RT: 4.10 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion:101 Resp: 2224498
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.7 76.1

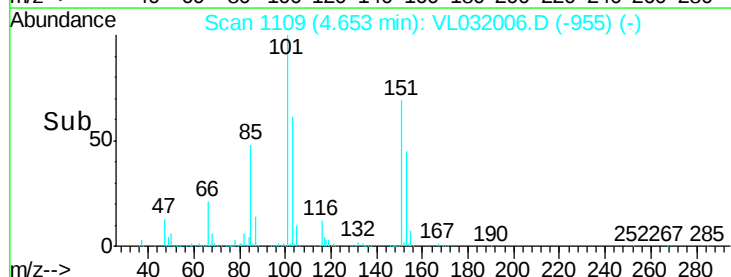
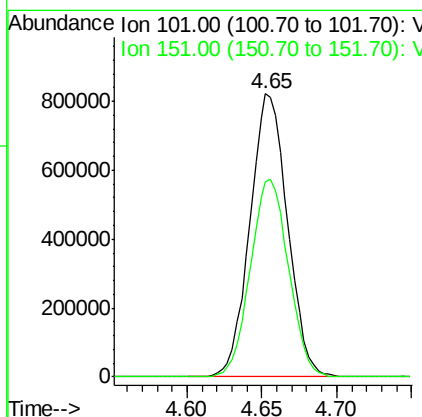
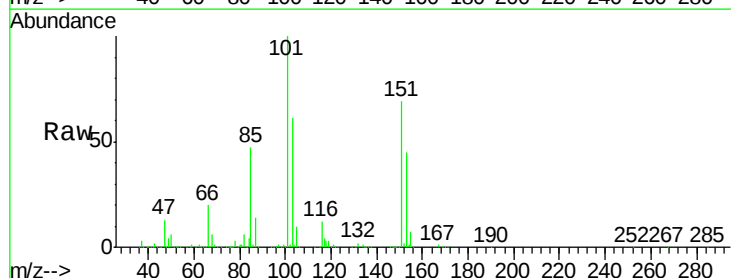
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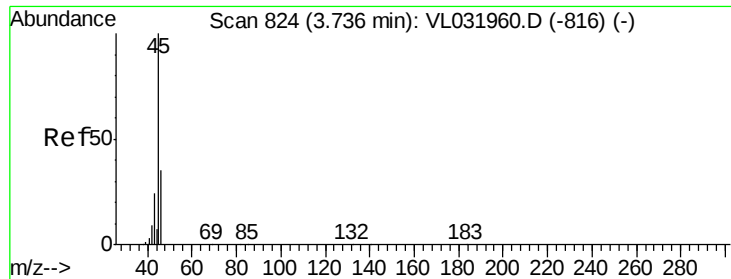
MMDadoda
 5/17/2018 3:34:12 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.66 ppbv
 RT: 4.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion:101 Resp: 1434619
 Ion Ratio Lower Upper
 101 100
 151 71.1 60.2 90.2





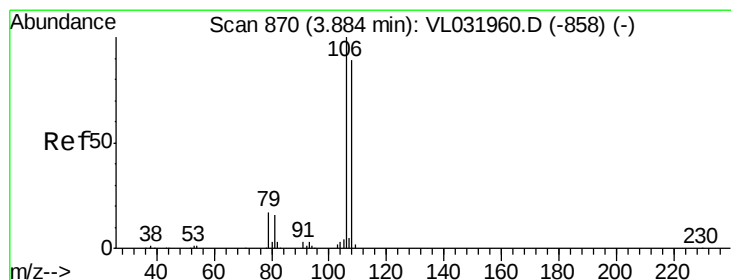
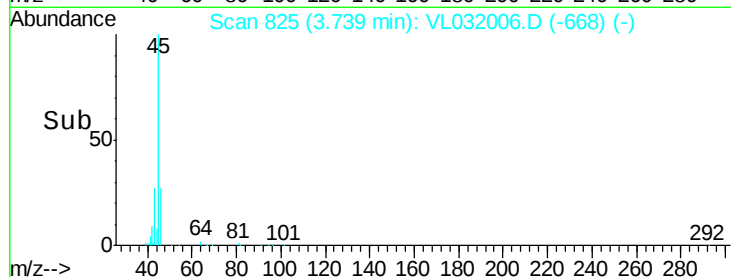
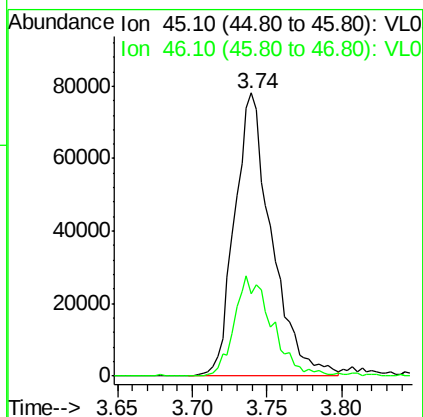
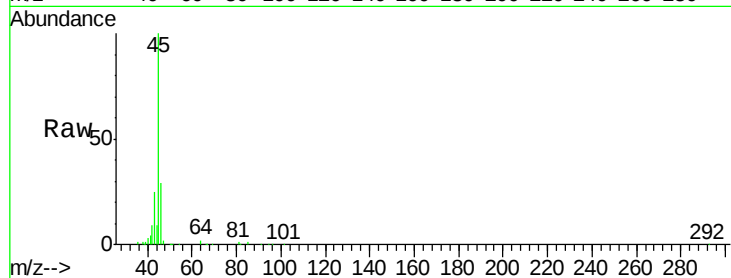
#13
Ethanol
Concen: 6.25 ppbv
RT: 3.74 min Scan# 825
Delta R.T. 0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.0	0.0	0.0#

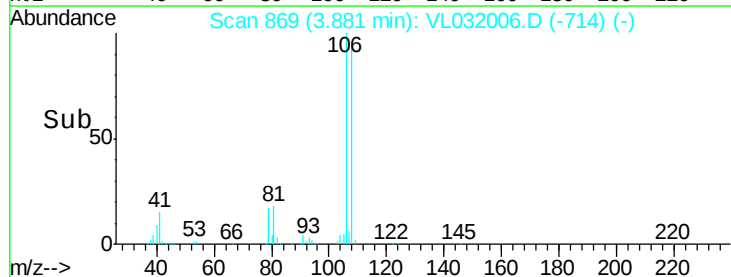
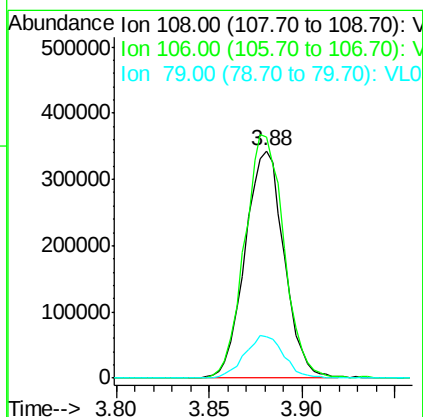
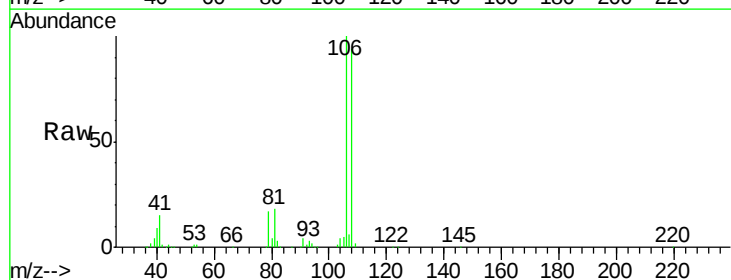
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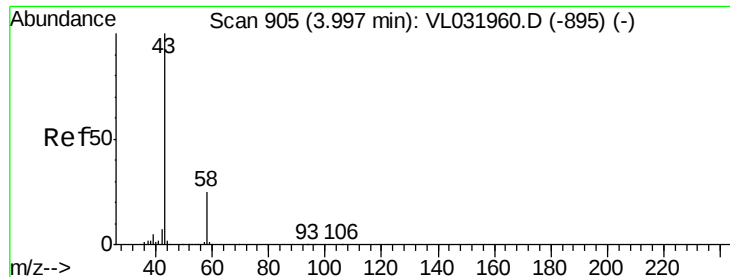
MMDadoda
5/17/2018 3:34:12 PM



#14
Bromoethene
Concen: 7.28 ppbv
RT: 3.88 min Scan# 869
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.8	130.2
79	19.0	14.7	22.1





#15

Acetone

Concen: 5.58 ppbv

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tot Ion: 43 Resp: 1313799

Ion Ratio Lower Upper

43 100

58 24.9 21.1 31.7

Instrument :

MSVOA_L

ClientSampleId :

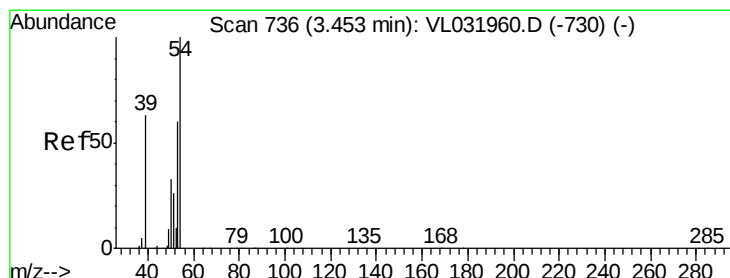
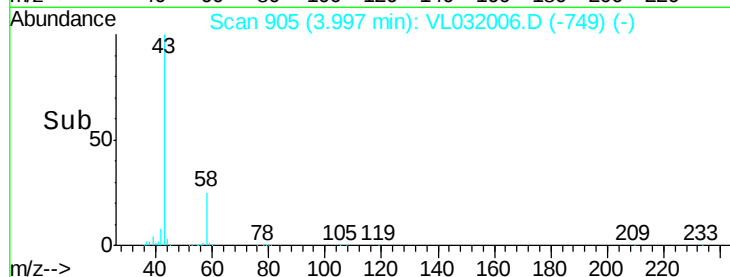
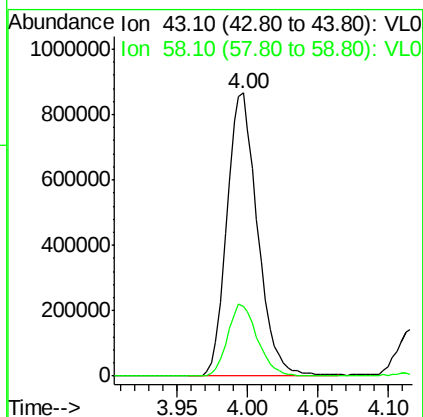
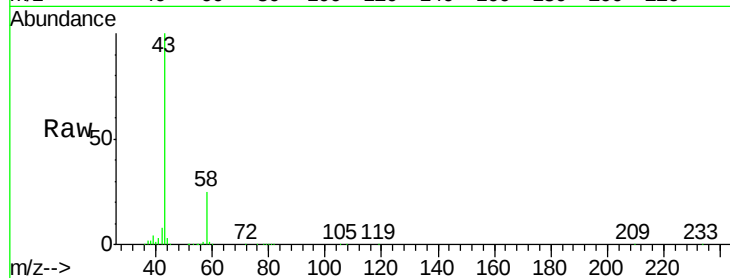
VL0516ABS01

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#16

1,3-Butadiene

Concen: 7.26 ppbv

RT: 3.45 min Scan# 734

Delta R.T. -0.01 min

Lab File: VL032006.D

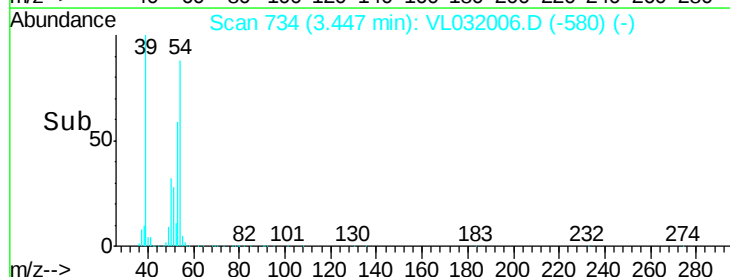
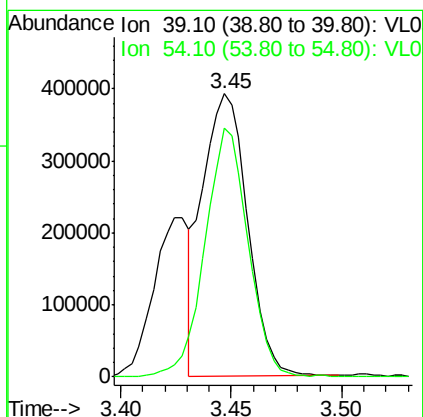
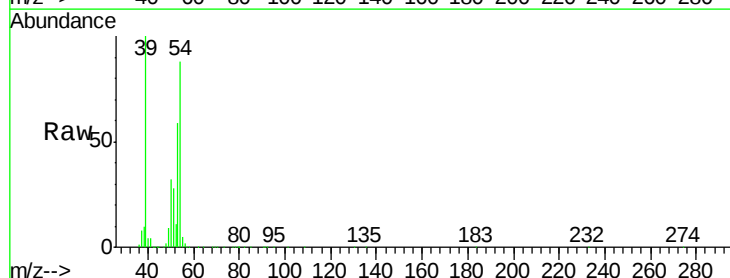
Acq: 16 May 2018 18:20

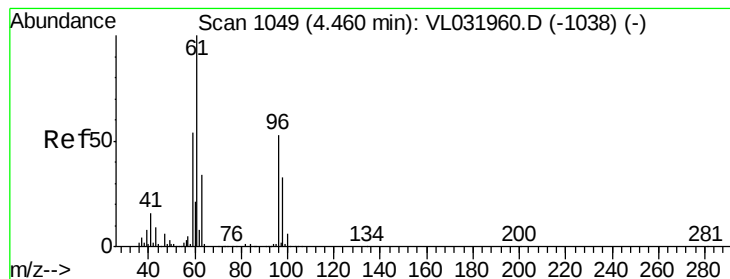
Tgt Ion: 39 Resp: 550048

Ion Ratio Lower Upper

39 100

54 85.2 66.2 99.2





#17

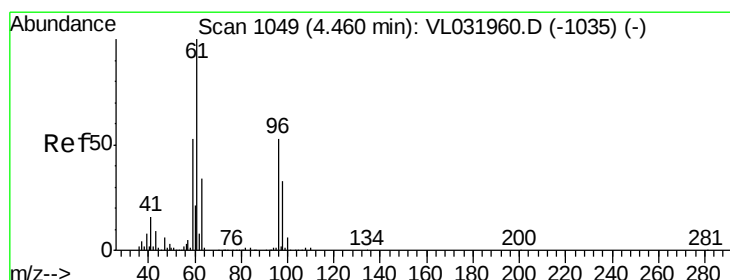
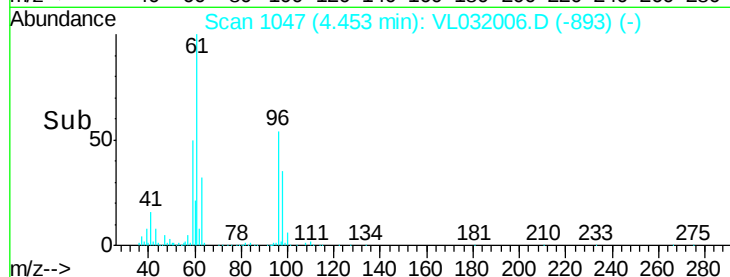
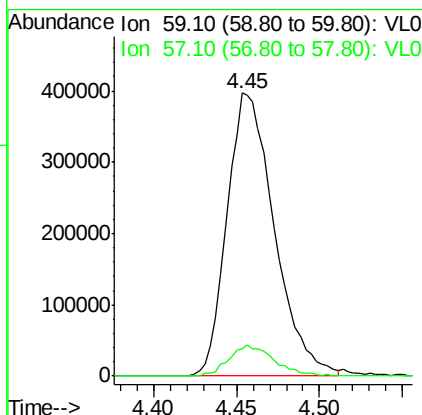
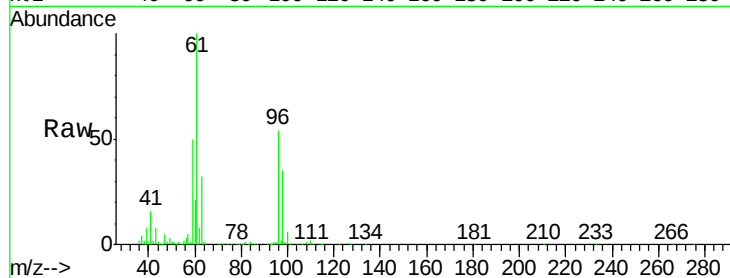
tert-Butyl alcohol
Concen: 8.06 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	59	Resp	785948
Ion Ratio	59	100	
Lower	57	10.6	8.3
Upper			12.5

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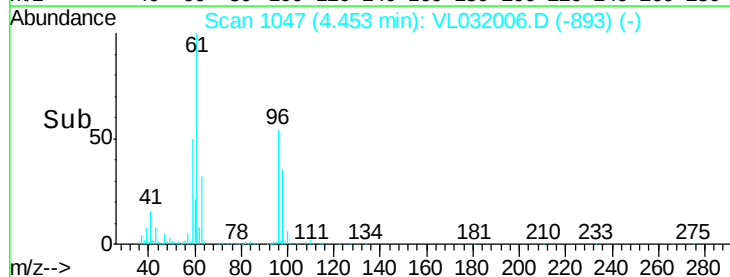
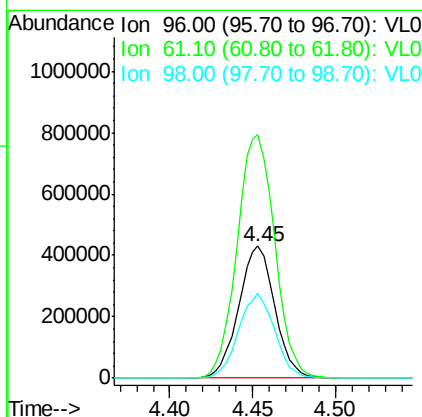
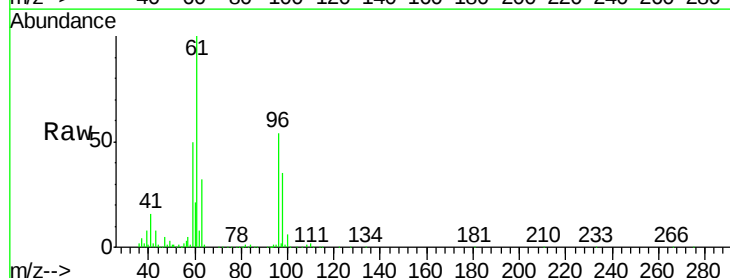
MMDadoda
5/17/2018 3:34:12 PM

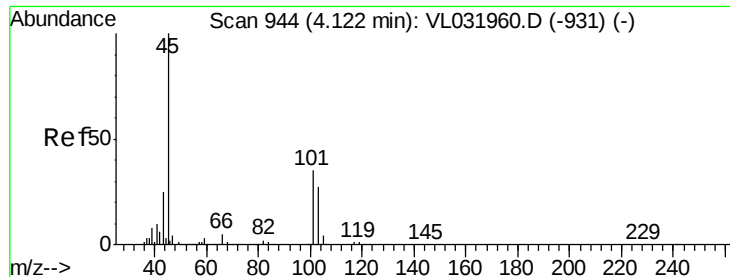


#18

1,1-Dichloroethene
Concen: 7.91 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	96	Resp	649492
Ion Ratio	96	100	
Lower	61	184.6	149.9
Upper	98	64.1	49.7
			74.5





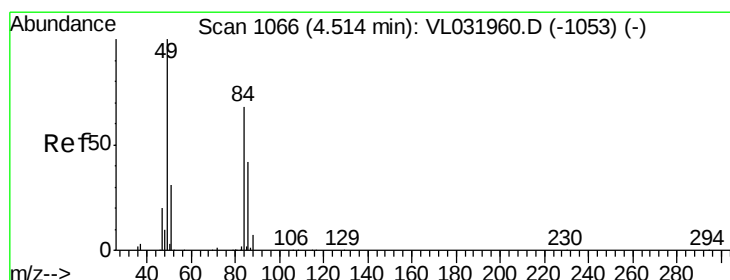
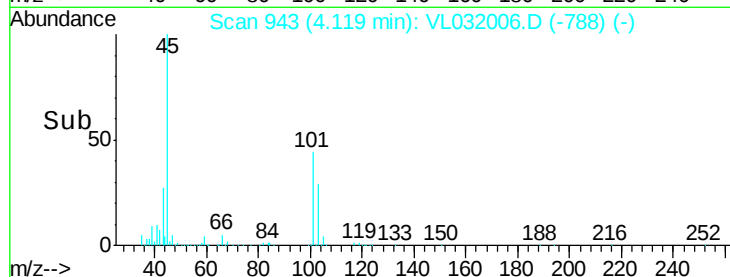
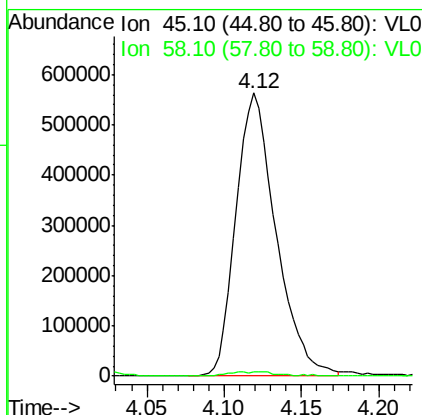
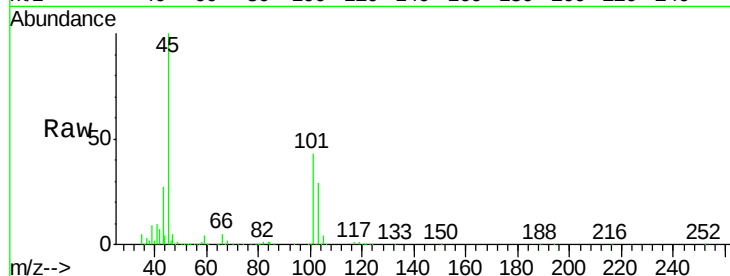
#19
Isopropyl Alcohol
Concen: 7.93 ppbv
RT: 4.12 min Scan# 943
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion: 45 Resp: 1010969
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.2

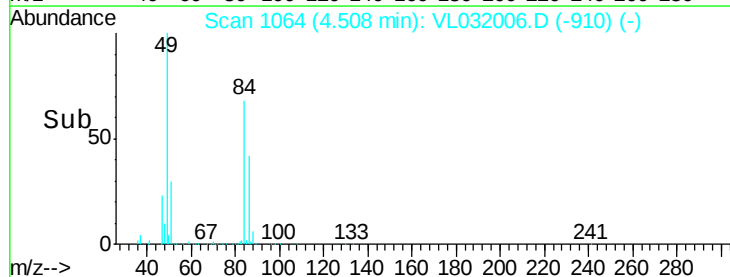
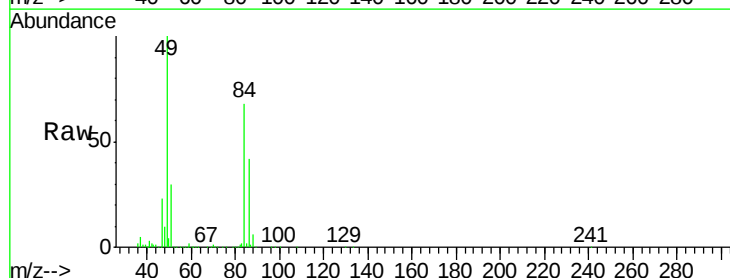
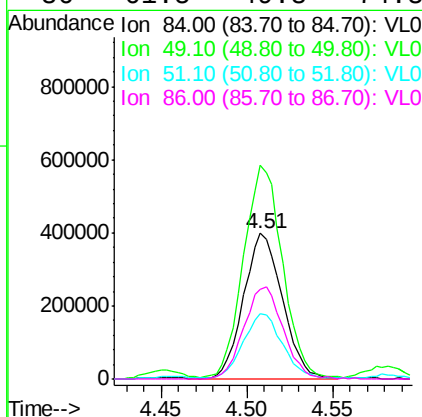
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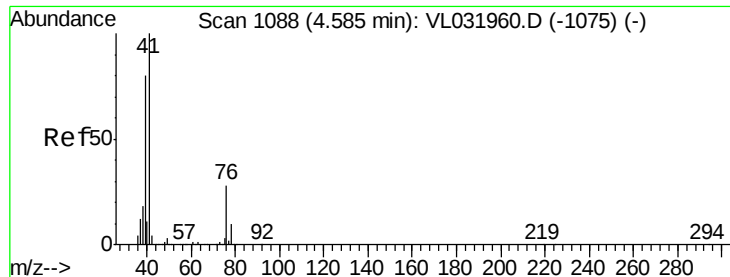
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#20
Methylene Chloride
Concen: 7.79 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 84 Resp: 619250
Ion Ratio Lower Upper
84 100
49 145.2 118.6 178.0
51 43.9 36.6 54.8
86 61.5 49.8 74.8





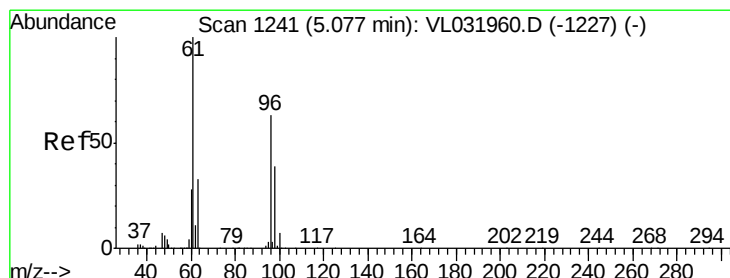
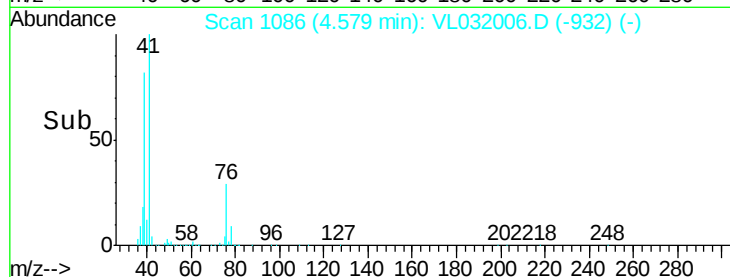
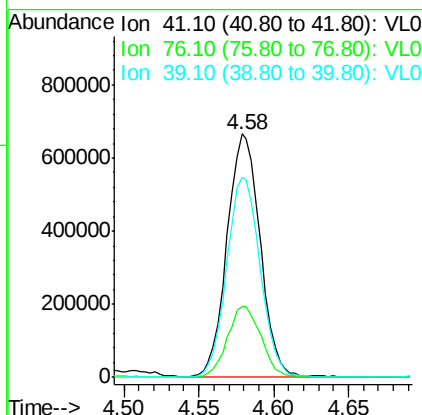
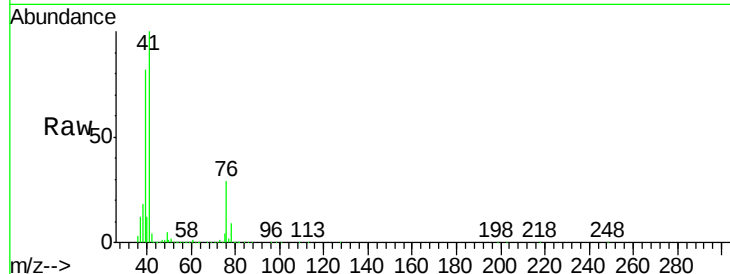
#21
Allvl Chloride
Concen: 7.63 ppbv
RT: 4.58 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.4	35.0
39	83.5	64.5	96.7

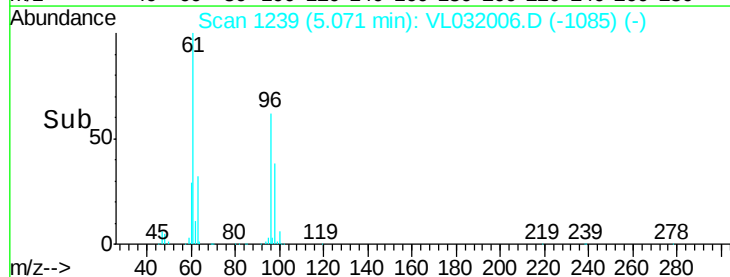
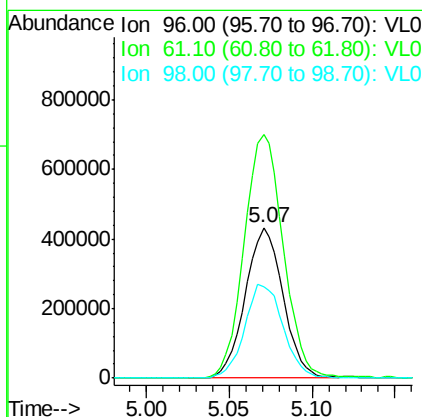
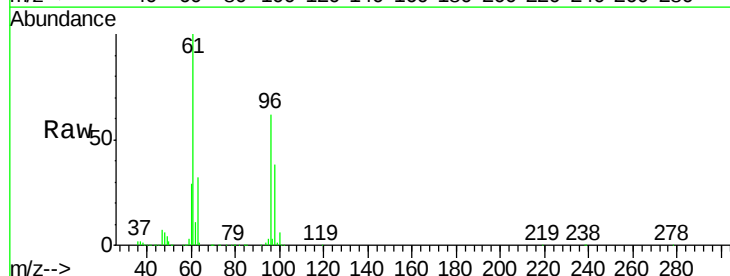
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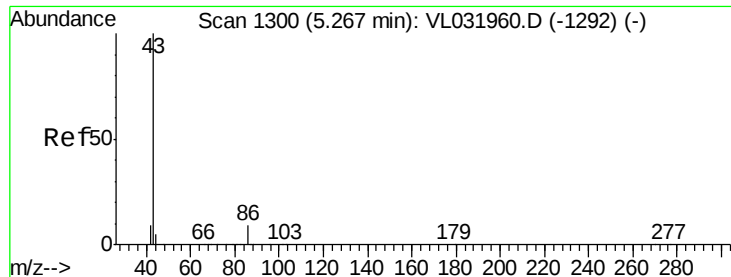
MMDadoda
5/17/2018 3:34:12 PM



#22
trans-1,2-Dichloroethene
Concen: 7.52 ppbv
RT: 5.07 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	127.7	191.5
98	60.8	49.3	73.9





#23

Vinyl Acetate

Concen: 7.54 ppbv

RT: 5.26 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 43 Resp: 2030763

Ion Ratio Lower Upper

43 100

86 7.8 6.1 9.1

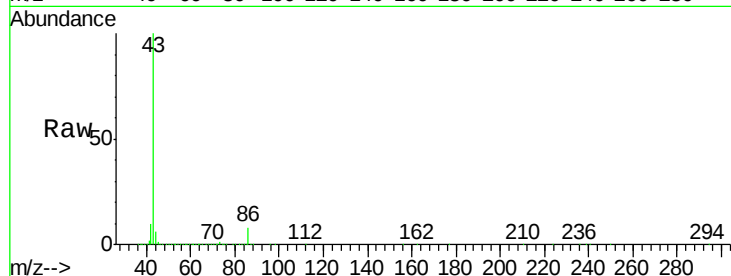
42 10.2 8.0 12.0

44 5.5 3.9 5.9

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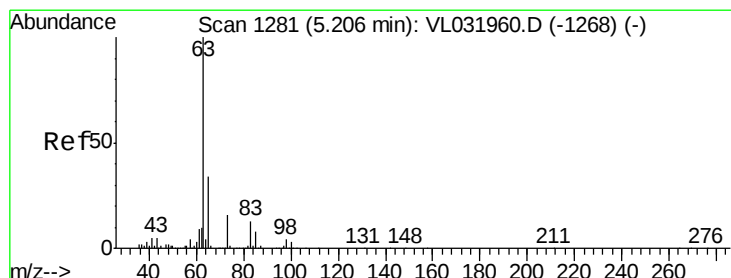
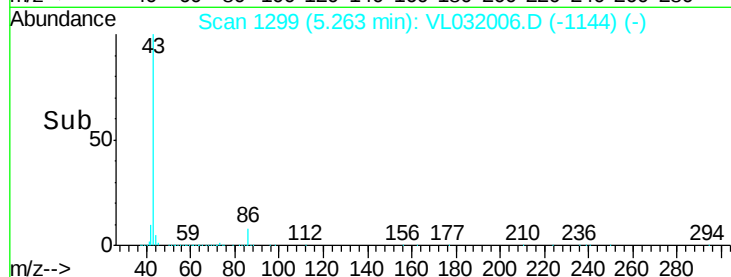
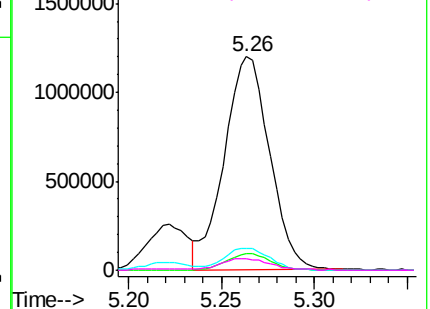


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 7.15 ppbv

RT: 5.20 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

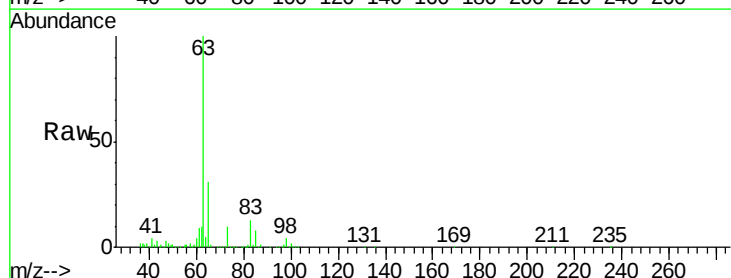
Tgt Ion: 63 Resp: 1797182

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

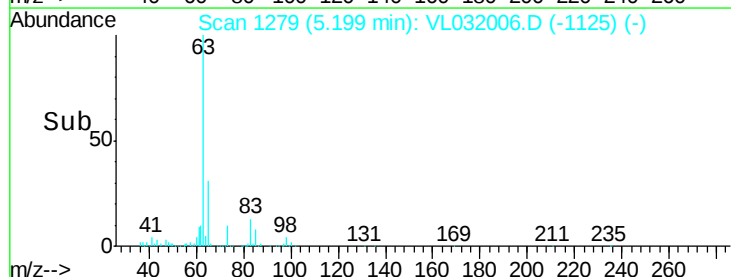
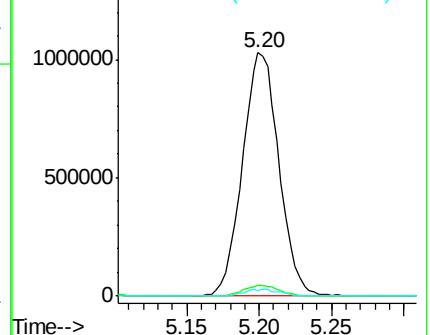
100 2.3 1.5 4.5

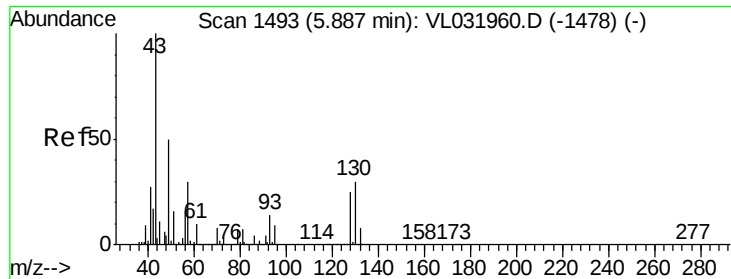


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





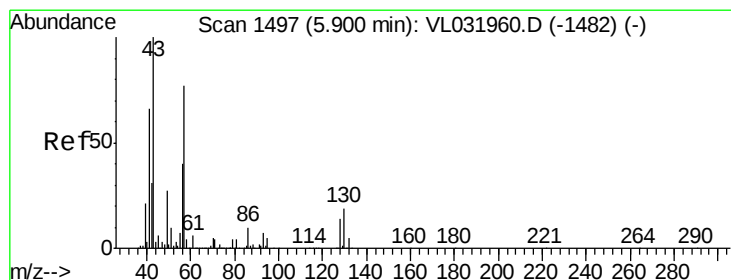
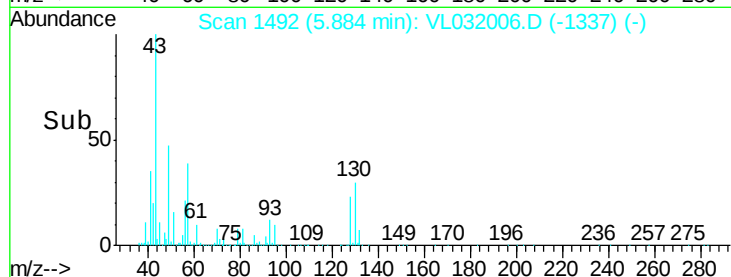
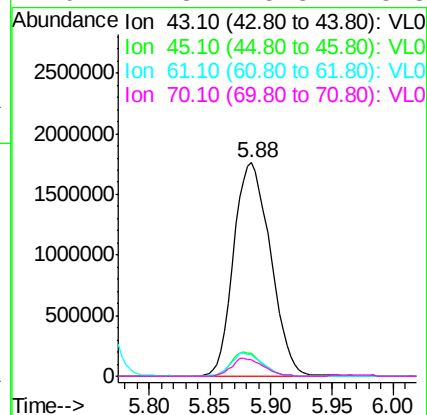
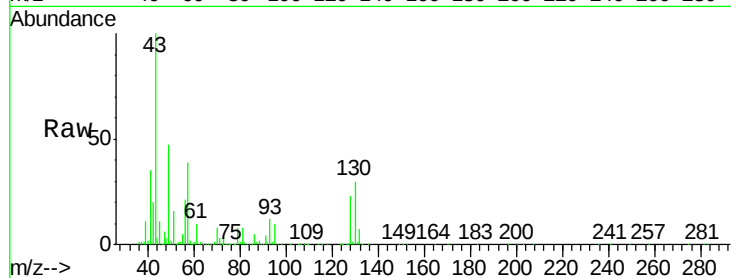
#25
Ethyl Acetate
Concen: 9.12 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.8	11.6	
61	9.5	7.4	11.2	
70	7.3	5.8	8.8	

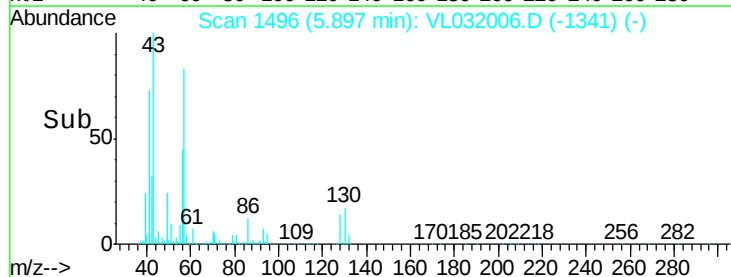
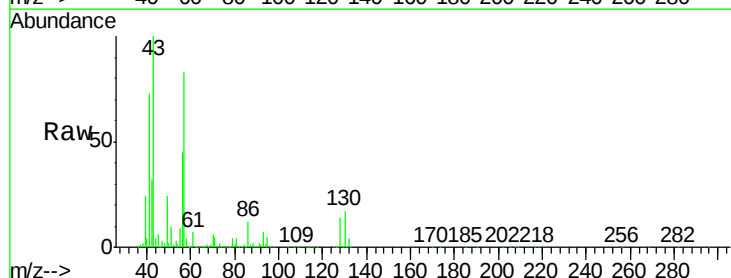
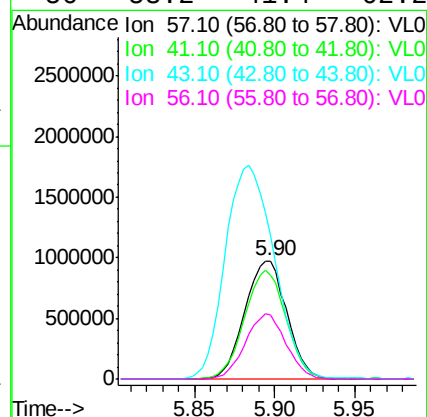
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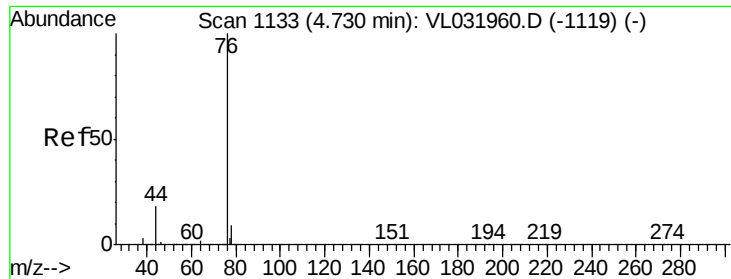
MMDadoda
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#26
Hexane
Concen: 9.17 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.0	71.8	107.6	
43	212.3	171.5	257.3	
56	53.2	41.4	62.2	





#27

Carbon Disulfide

Concen: 8.48 ppbv

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

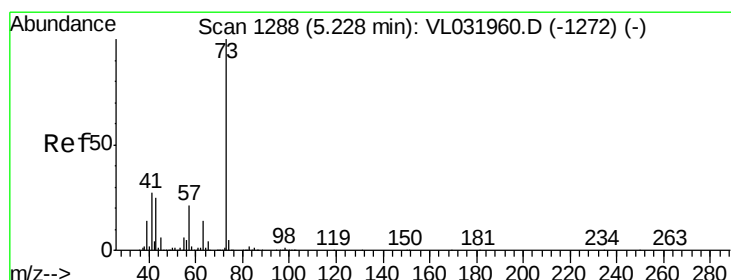
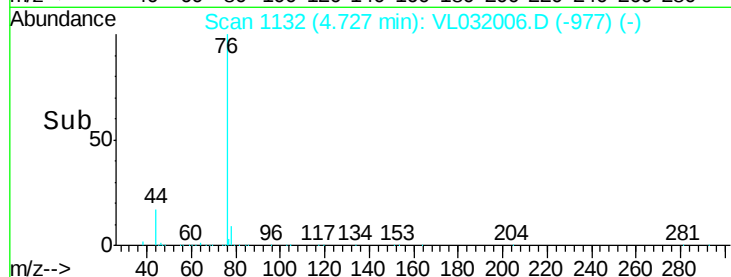
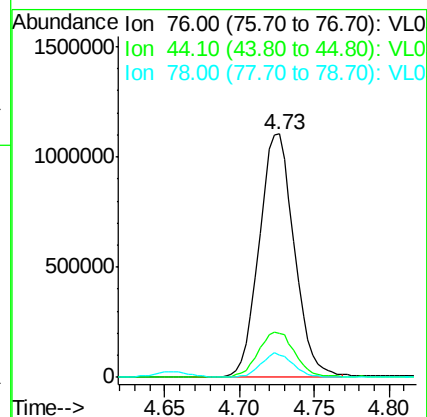
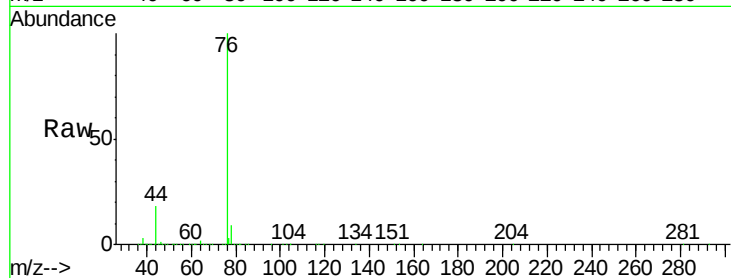
ClientSampleId :

VL0516ABS01

Tot Ion:	76	Resp:	1805862
Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.4	23.0
78	9.2	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 7.36 ppbv

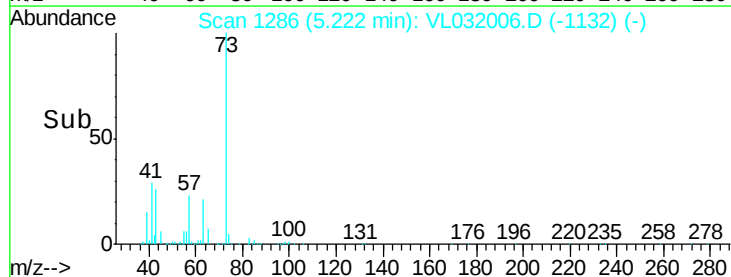
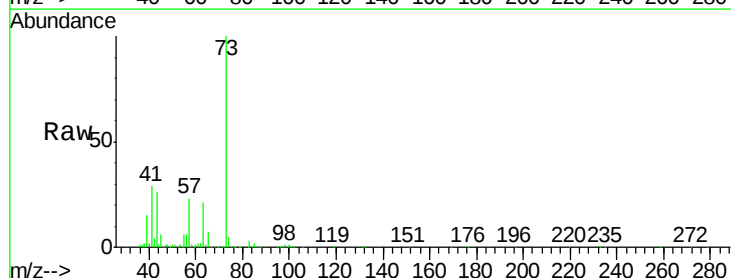
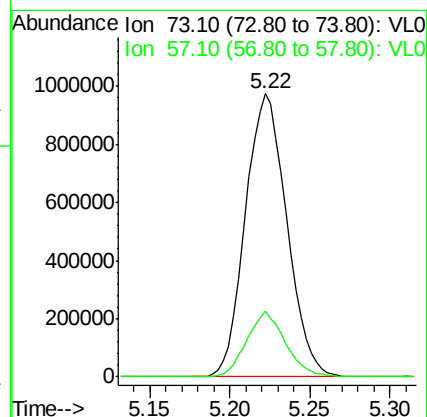
RT: 5.22 min Scan# 1286

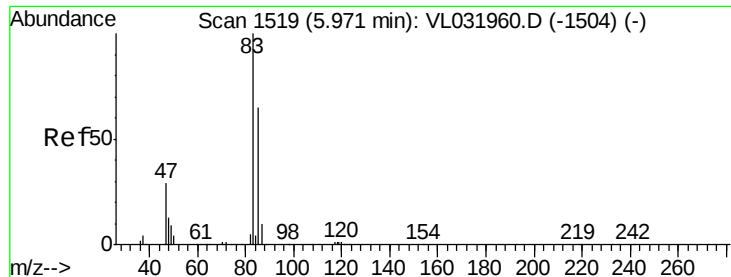
Delta R.T. -0.01 min

Lab File: VL032006.D

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Tgt Ion:	73	Resp:	1720337
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4





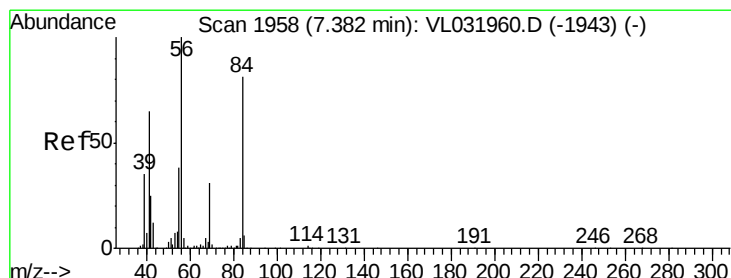
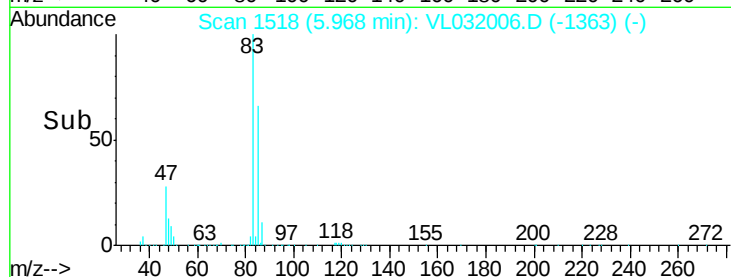
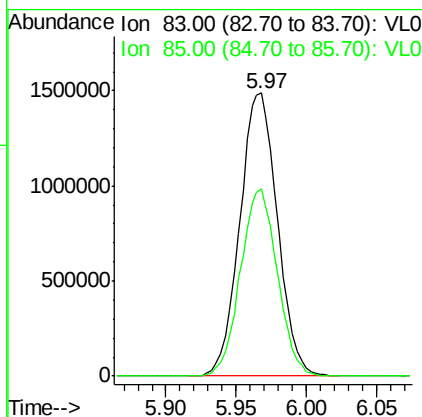
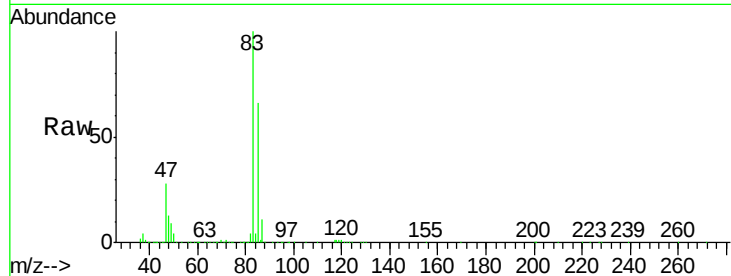
#29
Chloroform
Concen: 9.22 ppbv
RT: 5.97 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion: 83 Resp: 2773588
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.2

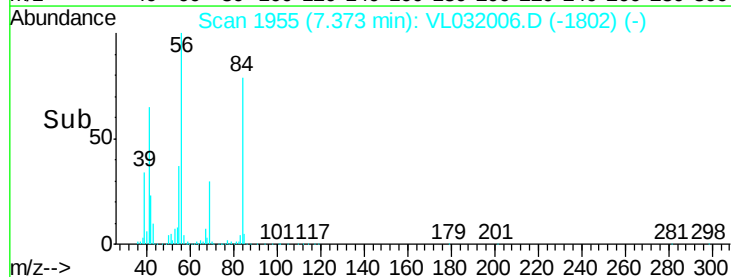
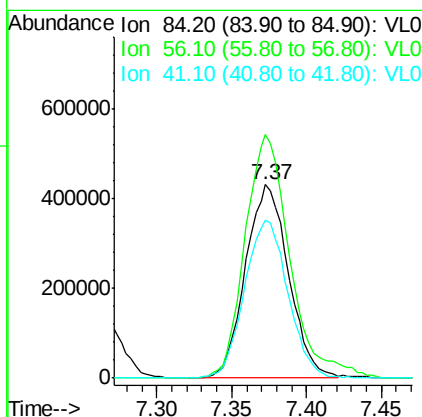
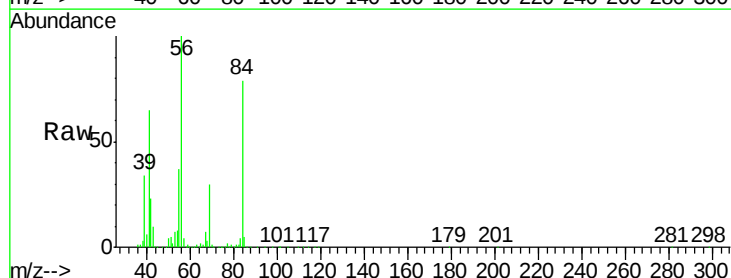
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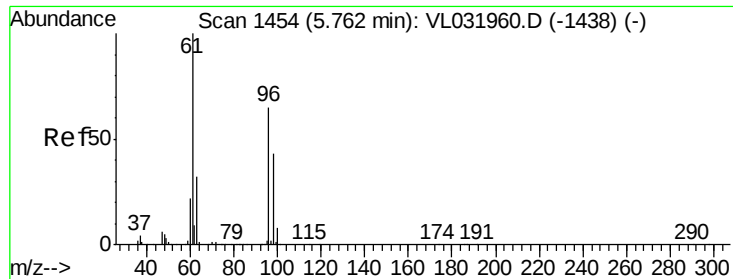
MMDadoda
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#30
Cyclohexane
Concen: 6.83 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 84 Resp: 865341
Ion Ratio Lower Upper
84 100
56 131.2 108.0 162.0
41 82.3 66.8 100.2





#31

cis-1,2-Dichloroethene

Concen: 9.39 ppbv

RT: 5.76 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

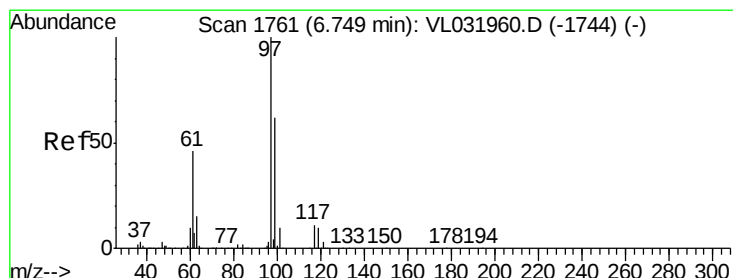
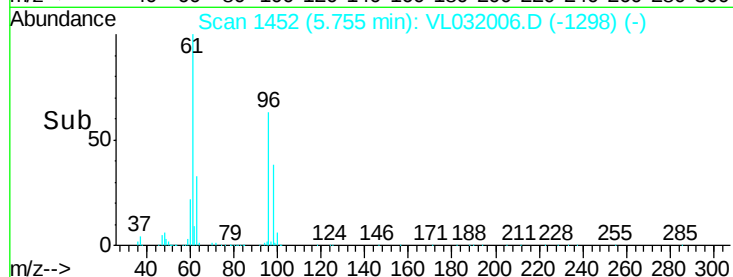
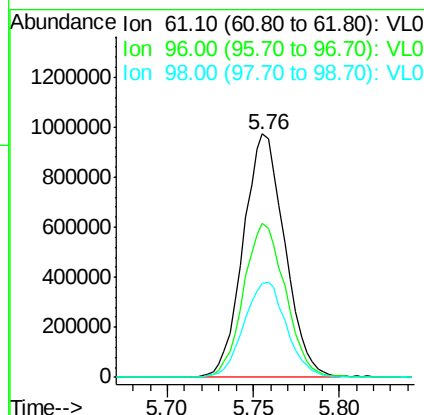
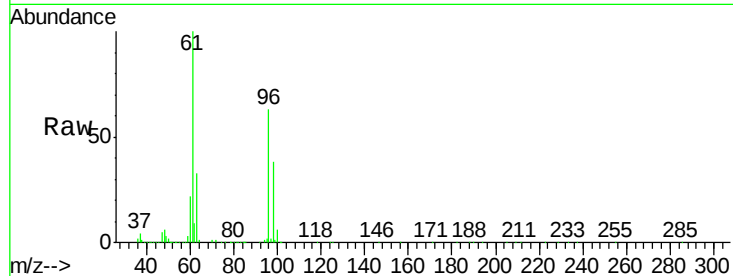
ClientSampleId :

VL0516ABS01

Tot Ion:	61	Resp:	1633221
Ion	Ratio	Lower	Upper
61	100		
96	63.2	51.8	77.6
98	38.3	34.2	51.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 6.68 ppbv

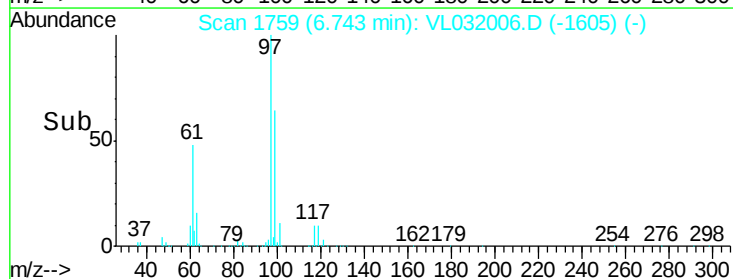
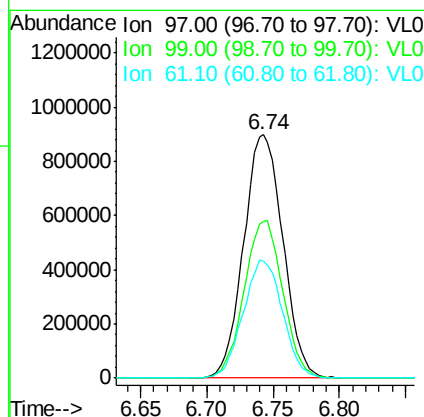
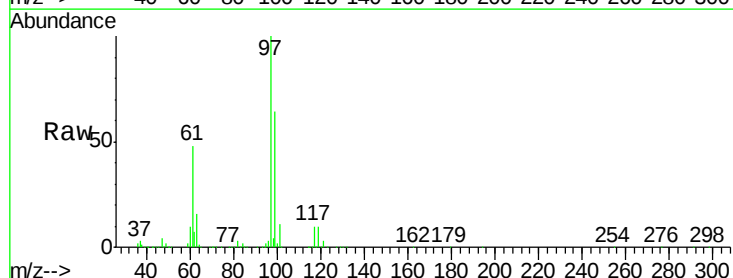
RT: 6.74 min Scan# 1759

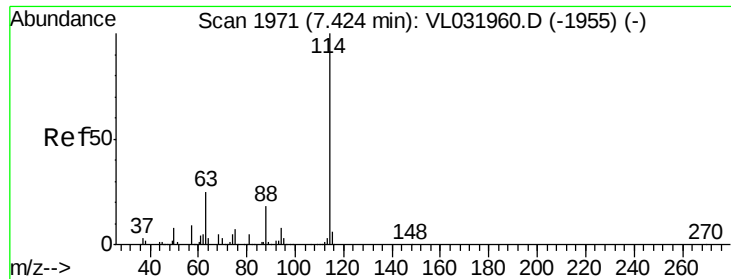
Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion:	97	Resp:	1854245
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	48.6	38.1	57.1





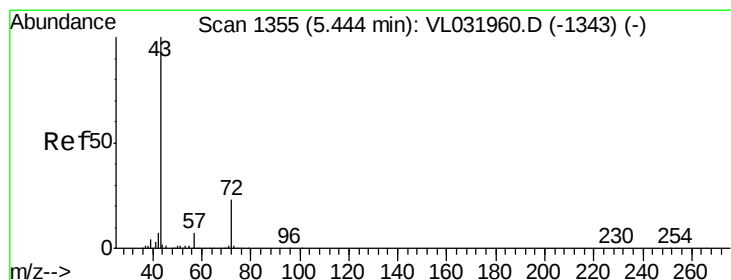
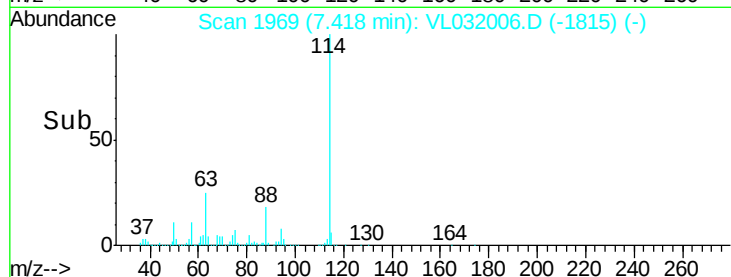
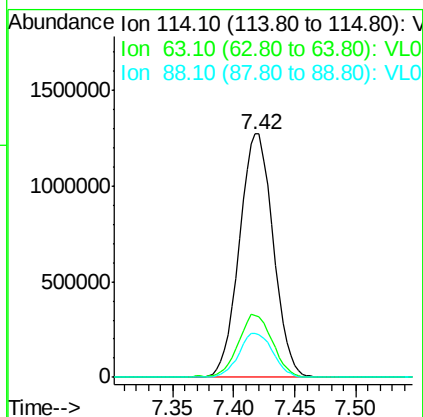
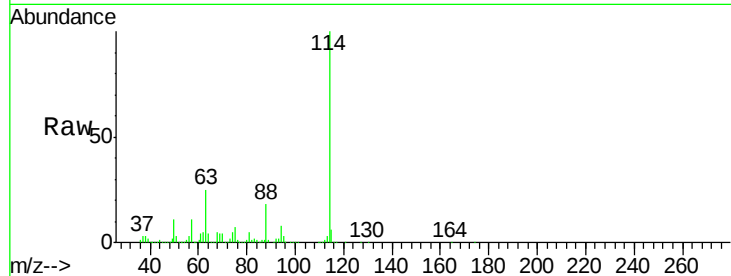
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.8	31.2
88	18.3	14.6	21.8

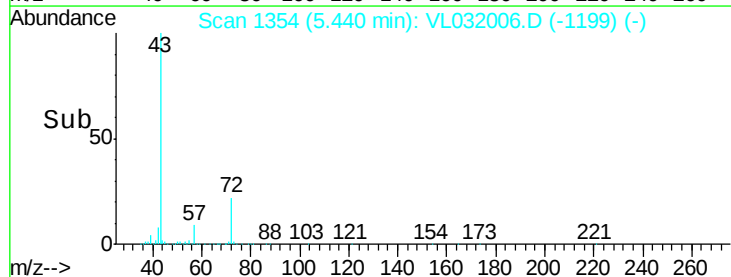
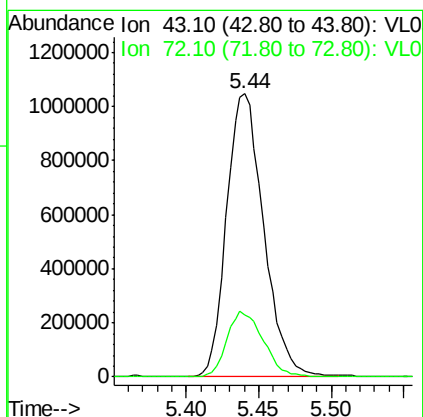
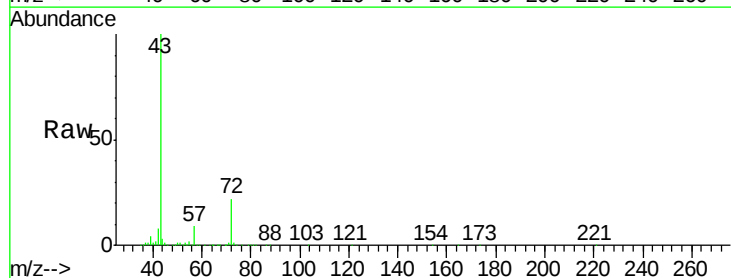
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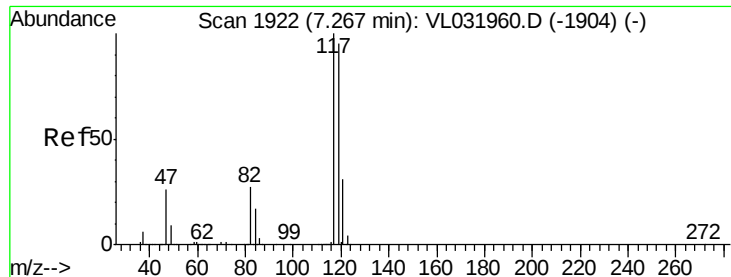
MMDadoda
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#34
 2-Butanone
 Concen: 9.23 ppbv
 RT: 5.44 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.3	27.5





#35

Carbon Tetrachloride

Concen: 9.77 ppbv

RT: 7.26 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion:117 Resp: 1882915

Ion Ratio Lower Upper

117 100

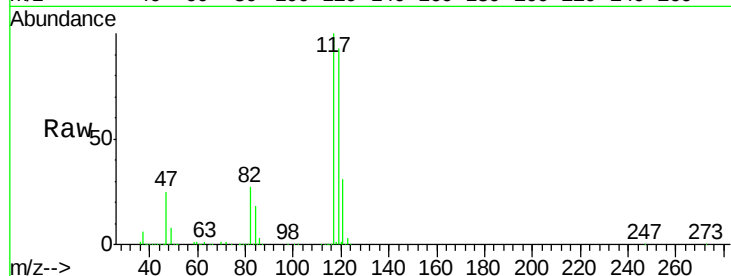
119 93.4 76.4 114.6

121 30.6 24.4 36.6

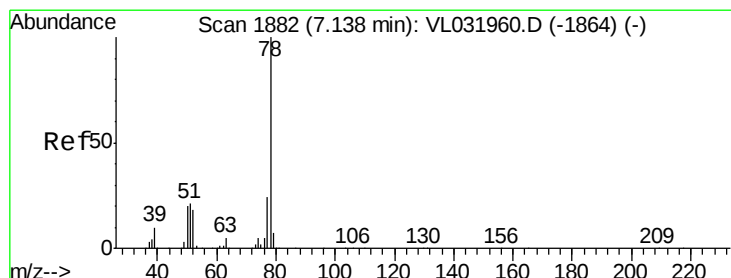
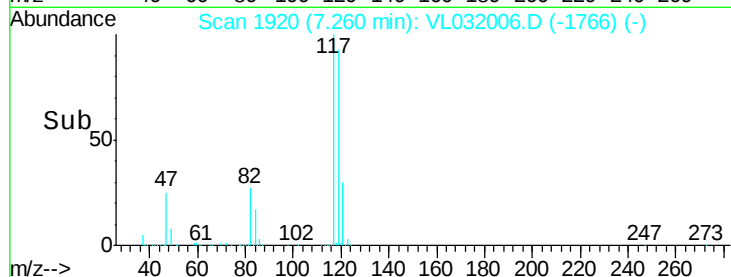
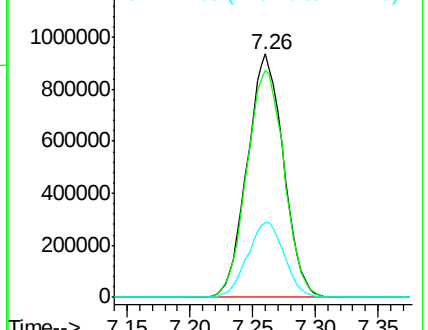
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.48 ppbv

RT: 7.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

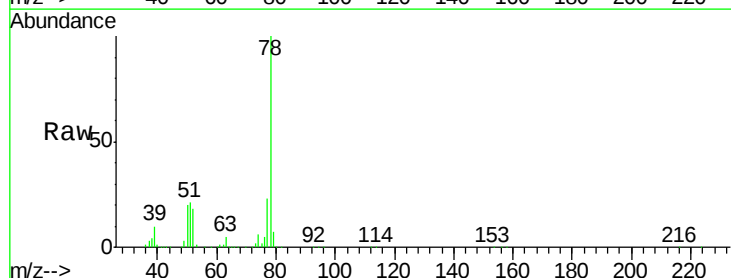
Tgt Ion: 78 Resp: 2171538

Ion Ratio Lower Upper

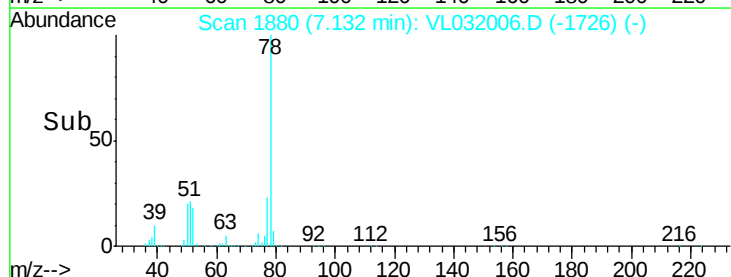
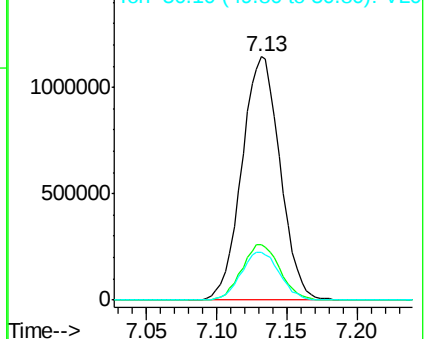
78 100

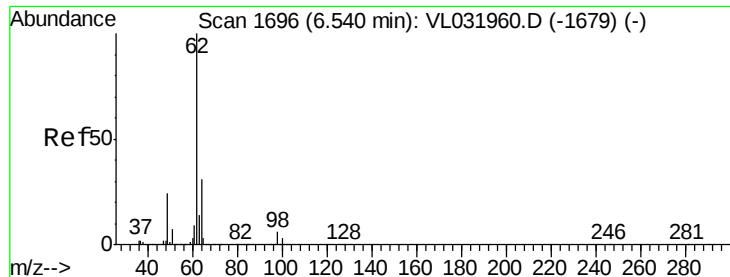
77 22.7 19.2 28.8

50 19.6 16.2 24.4



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





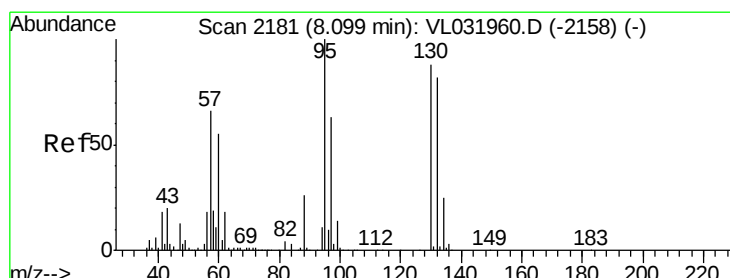
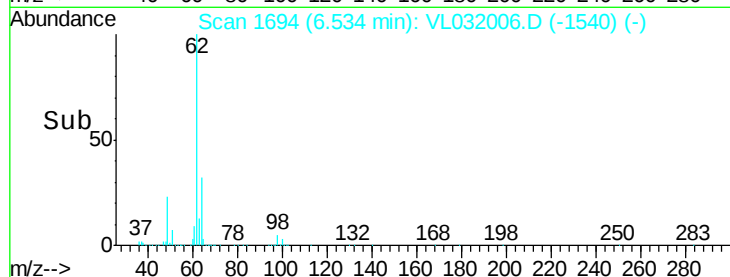
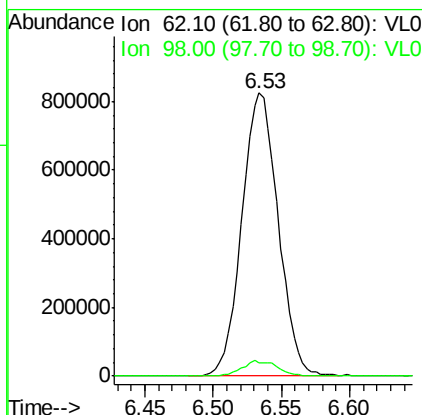
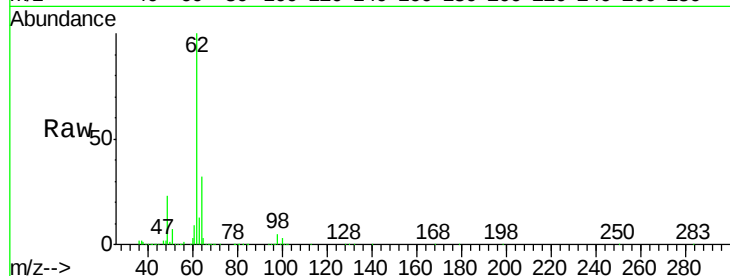
#37
 1,2-Dichloroethane
 Concen: 9.26 ppbv
 RT: 6.53 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion: 62 Resp: 1524076
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.6 6.8

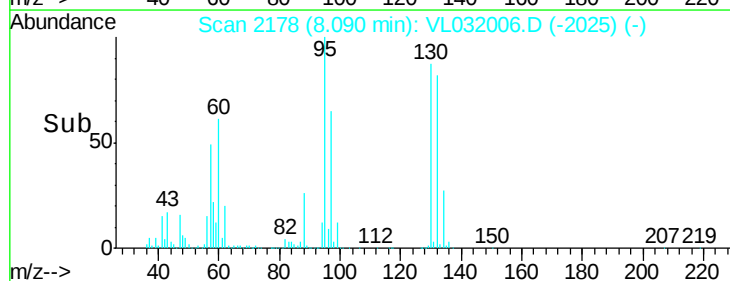
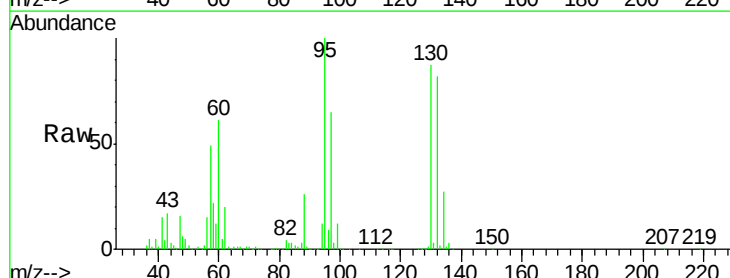
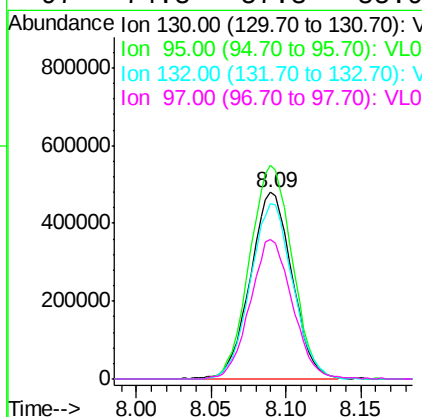
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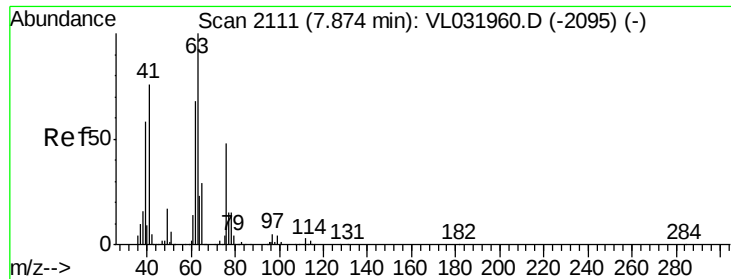
MMDadoda
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#38
 Trichloroethene
 Concen: 10.66 ppbv
 RT: 8.09 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion:130 Resp: 927308
 Ion Ratio Lower Upper
 130 100
 95 114.9 90.7 136.1
 132 94.0 74.3 111.5
 97 74.8 57.3 85.9





#39

1,2-Dichloropropane

Concen: 10.00 ppbv

RT: 7.86 min Scan# 2108

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

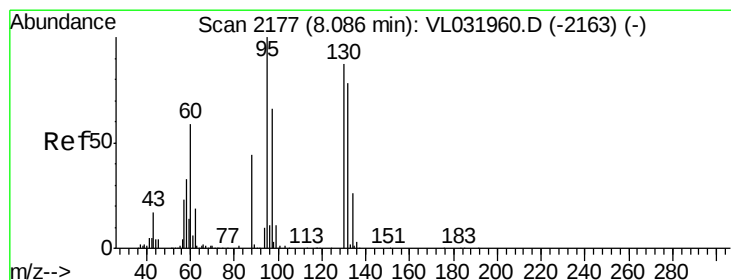
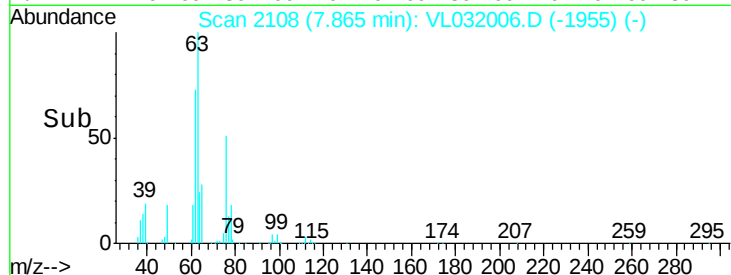
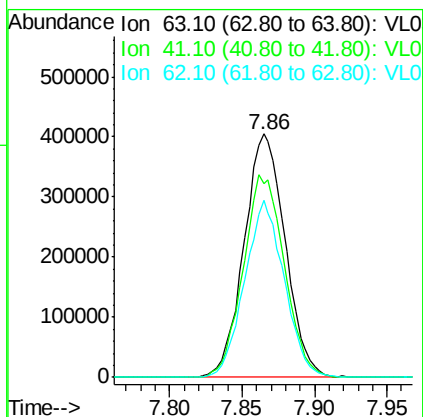
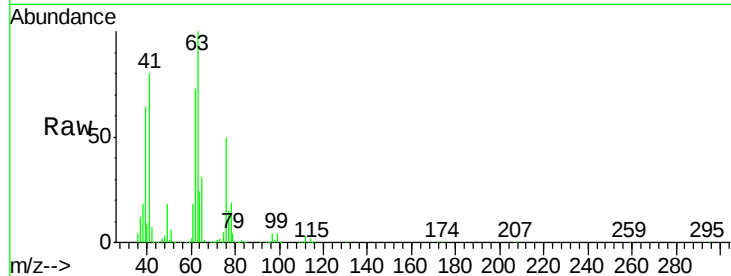
ClientSampleId :

VL0516ABS01

Tot Ion:	63	Resp:	797289
Ion	Ratio	Lower	Upper
63	100		
41	79.5	60.7	91.1
62	72.7	54.7	82.1

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.48 ppbv

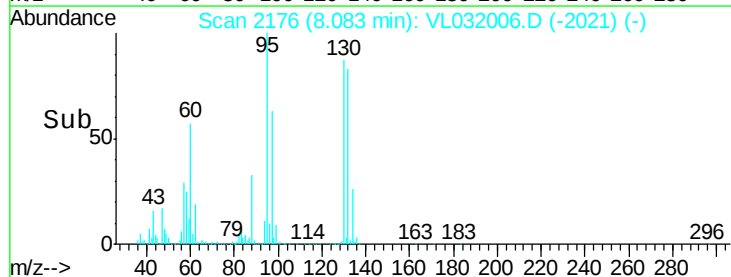
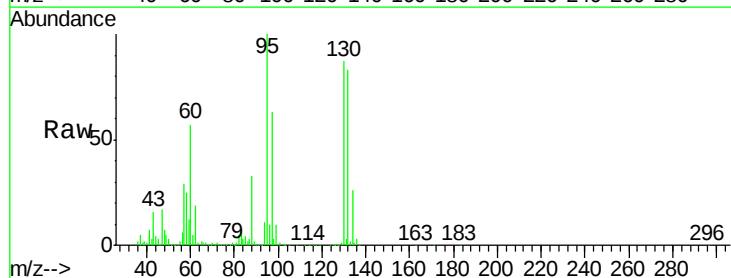
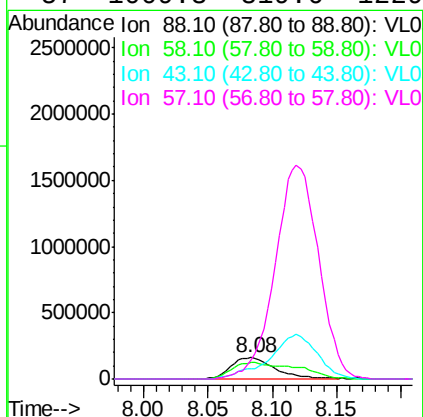
RT: 8.08 min Scan# 2176

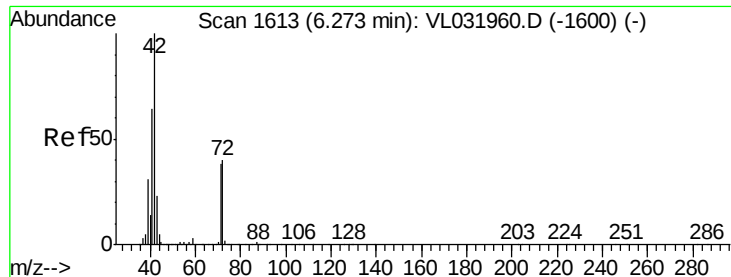
Delta R.T. -0.00 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion:	88	Resp:	376588
Ion	Ratio	Lower	Upper
88	100		
58	120.7	94.9	142.3
43	228.6	188.2	282.2
57	1009.3	819.6	1229.4





#41

Tetrahydrofuran

Concen: 9.17 ppbv

RT: 6.27 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

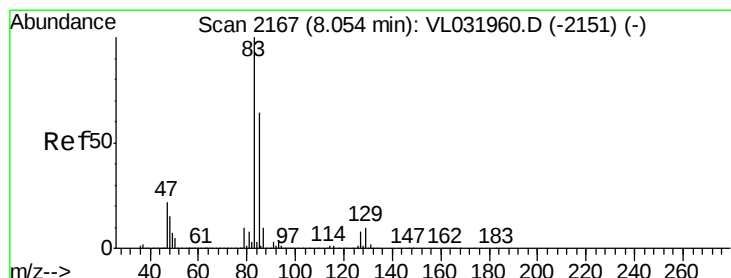
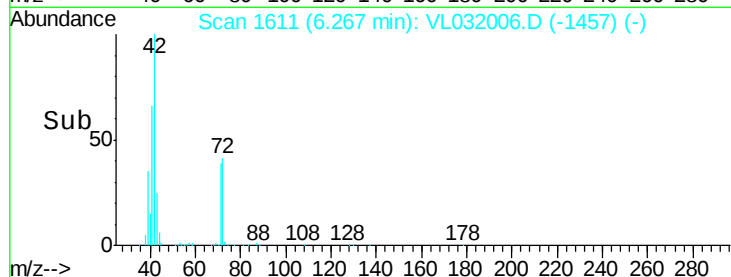
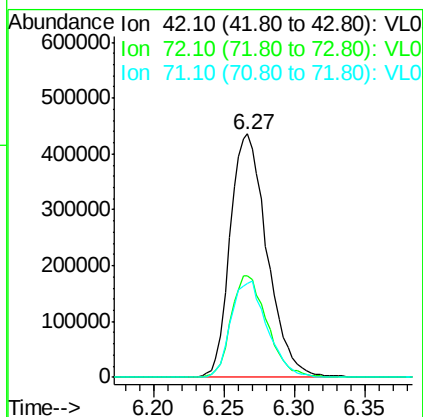
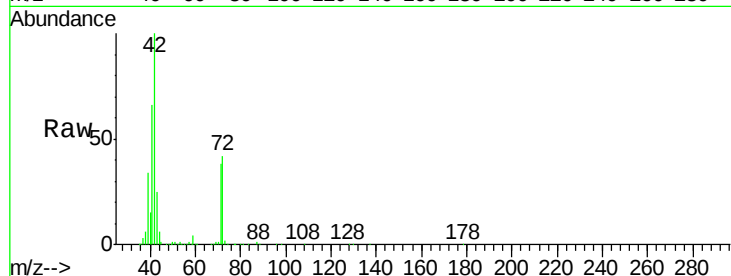
ClientSampleId :

VL0516ABS01

Tot Ion:	42	Resp:	801362
Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.3	48.5
71	39.2	31.4	47.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.49 ppbv

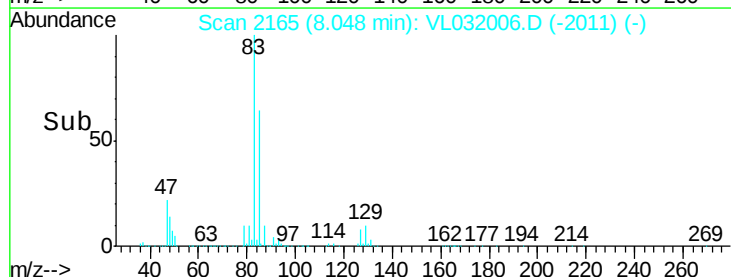
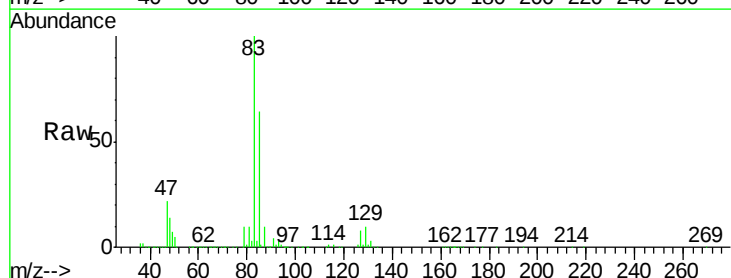
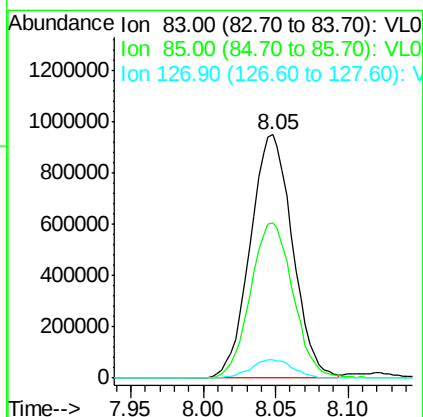
RT: 8.05 min Scan# 2165

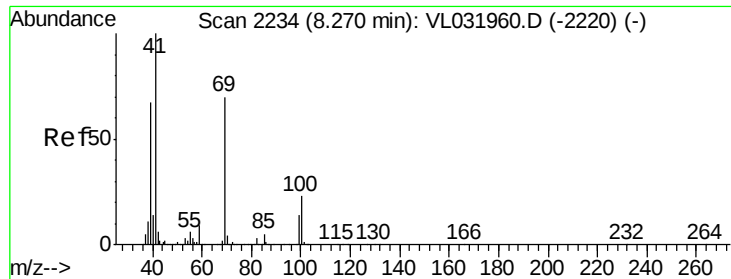
Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion:	83	Resp:	1924537
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.6
127	7.8	6.7	10.1





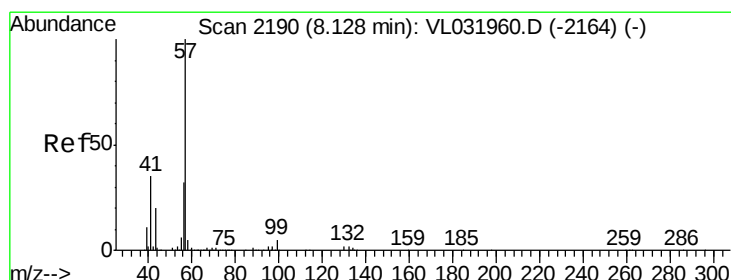
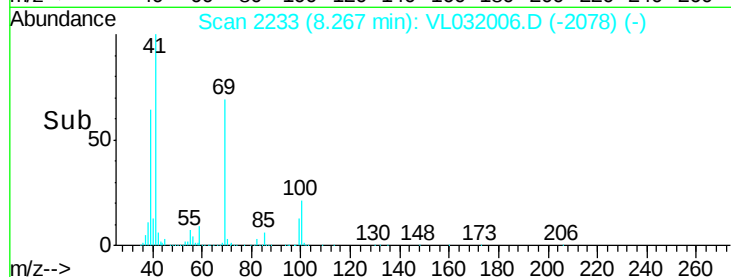
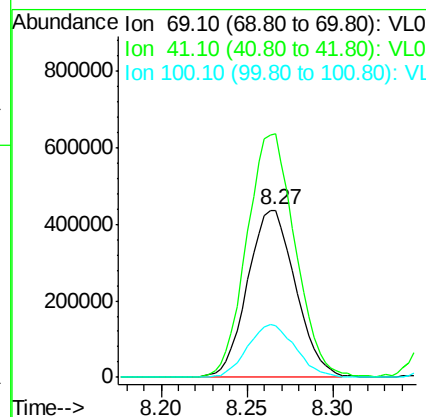
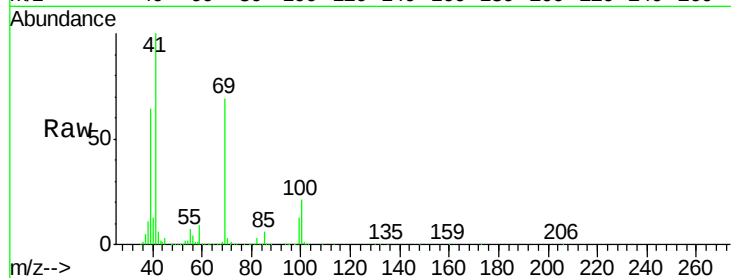
#43
Methvl Methacrylate
Concen: 10.94 ppbv
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.1	119.4	179.2	
100	31.7	26.0	39.0	

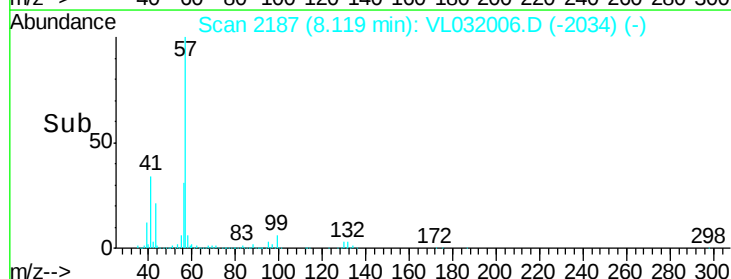
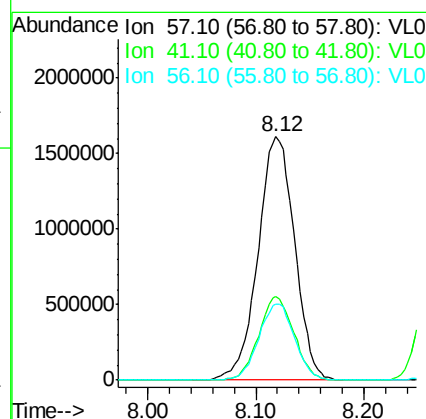
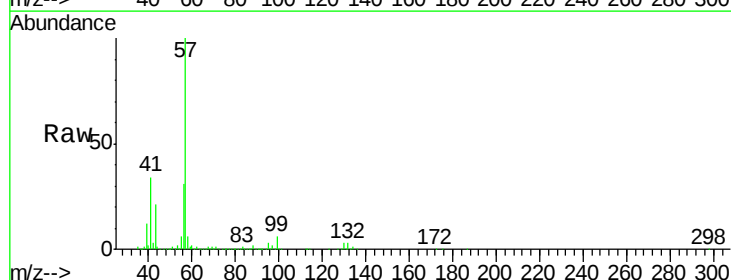
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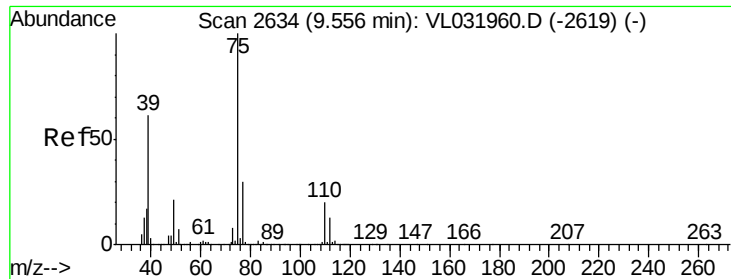
MMDadoda
5/17/2018 3:34:12 PM



#44
2,2,4-Trimethylpentane
Concen: 10.27 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.1	26.6	39.8	
56	30.6	24.4	36.6	





#45

t-1,3-Dichloropropene

Concen: 11.98 ppbv

RT: 9.55 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tot Ion: 75 Resp: 1225010

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6

Instrument :

MSVOA_L

ClientSampleId :

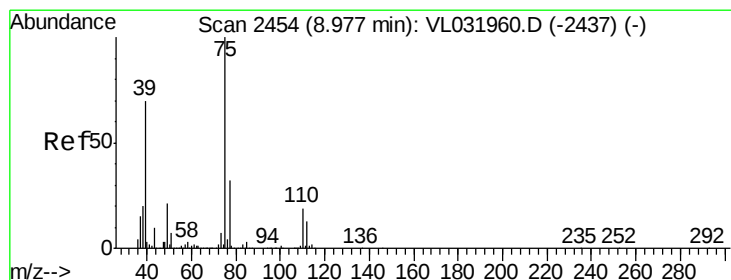
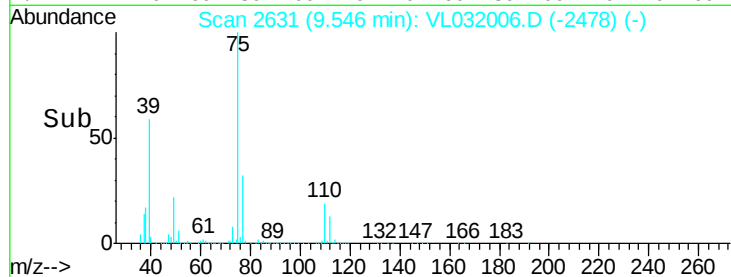
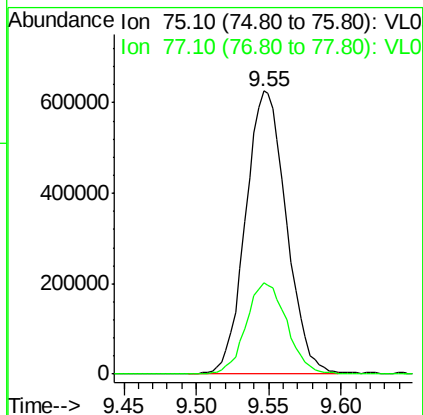
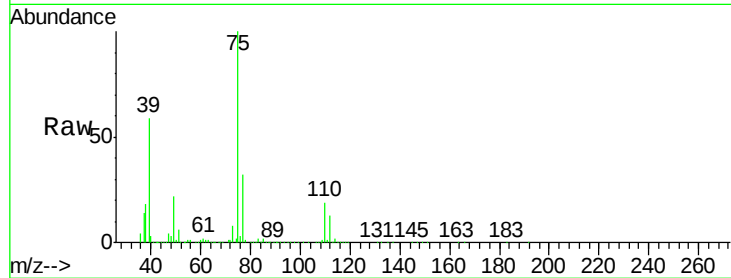
VL0516ABS01

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#46

cis-1,3-Dichloropropene

Concen: 11.73 ppbv

RT: 8.97 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

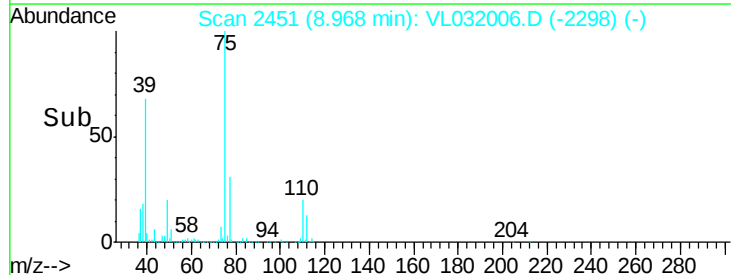
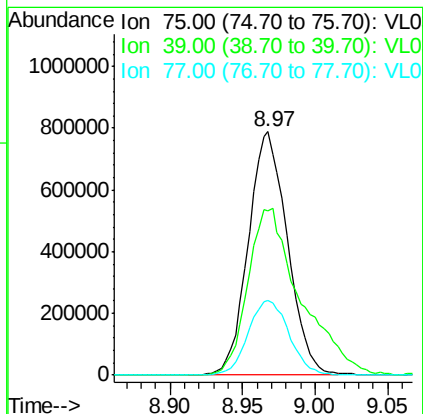
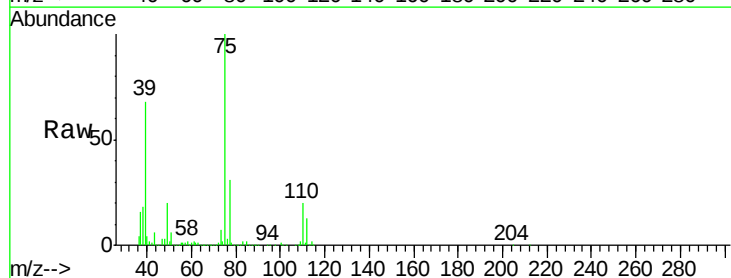
Tgt Ion: 75 Resp: 1481089

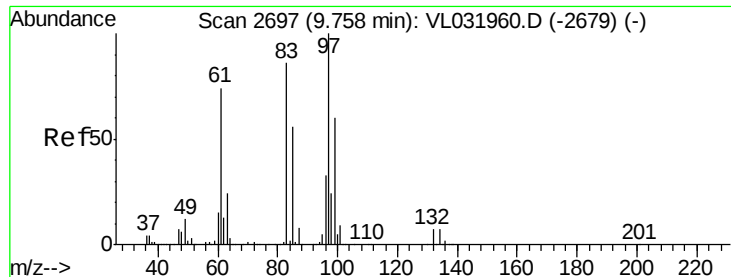
Ion Ratio Lower Upper

75 100

39 67.7 55.7 83.5

77 30.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.14 ppbv

RT: 9.75 min Scan# 2694

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

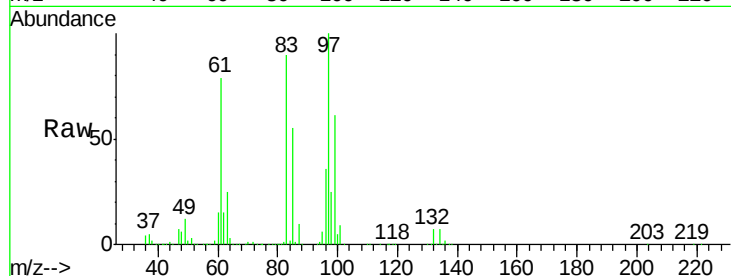
ClientSampleId :

VL0516ABS01

Tot Ion:	97	Resp:	956403
Ion Ratio	Lower	Upper	
97	100		
83	90.0	69.0	103.4
85	54.5	45.0	67.6
99	61.4	48.0	72.0

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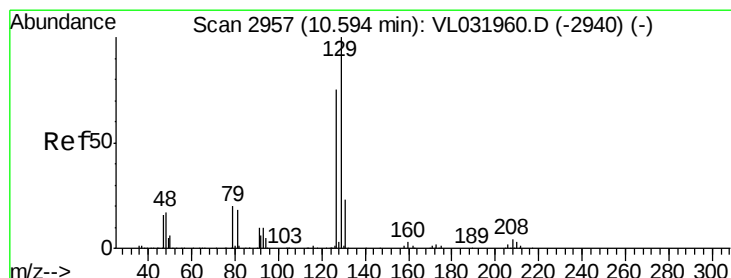
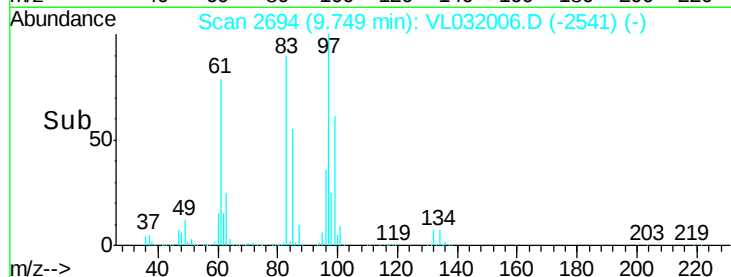
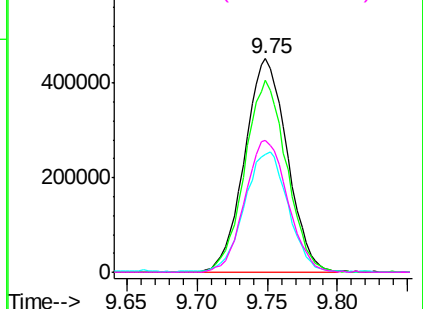


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.89 ppbv

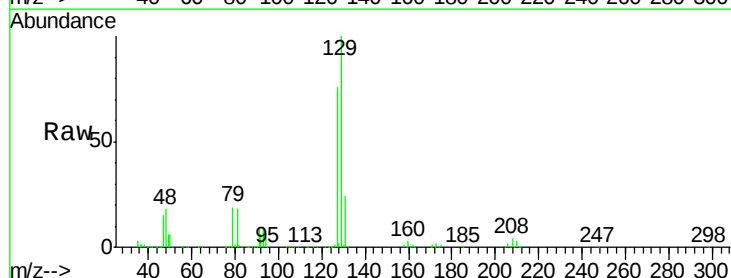
RT: 10.59 min Scan# 2955

Delta R.T. -0.01 min

Lab File: VL032006.D

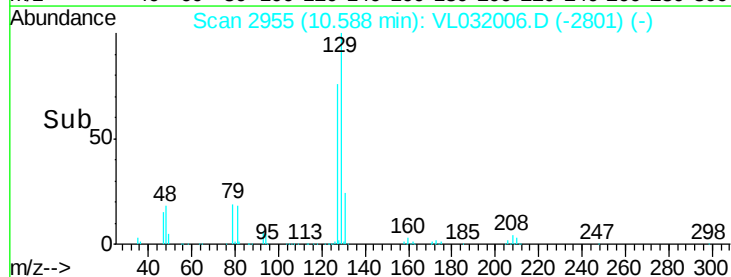
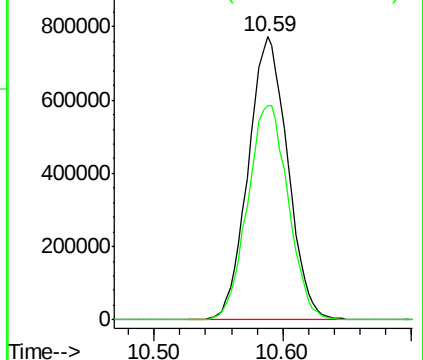
Acq: 16 May 2018 18:20

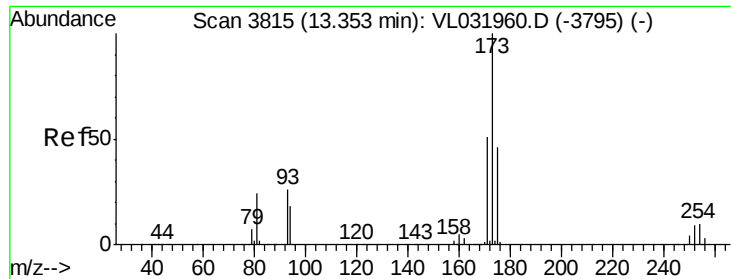
Tgt Ion:	129	Resp:	1647391
Ion Ratio	Lower	Upper	
129	100		
127	78.3	39.1	117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





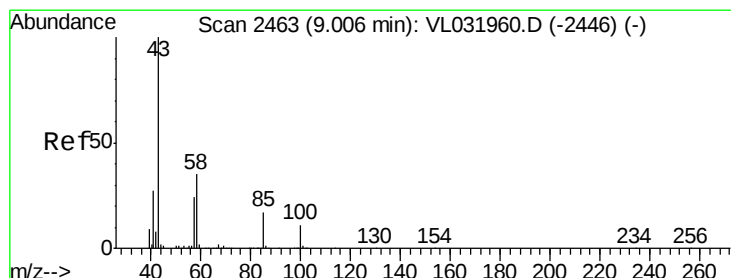
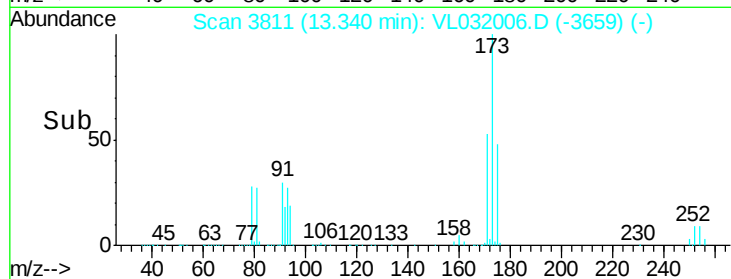
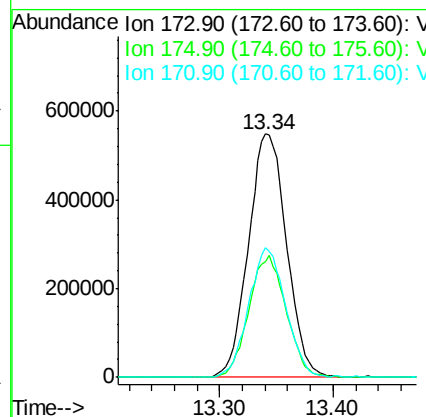
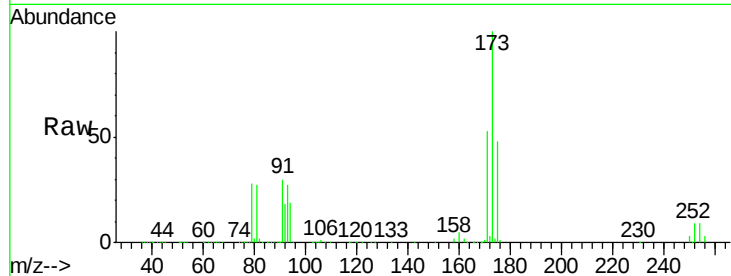
#49
Bromoform
Concen: 10.95 ppbv
RT: 13.34 min Scan# 3811
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion:173 Resp: 1284754
Ion Ratio Lower Upper
173 100
175 49.2 39.2 58.8
171 51.9 41.5 62.3

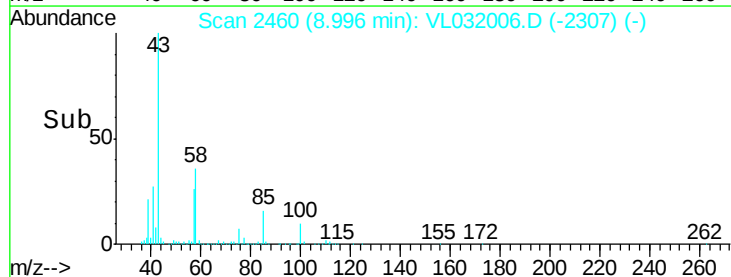
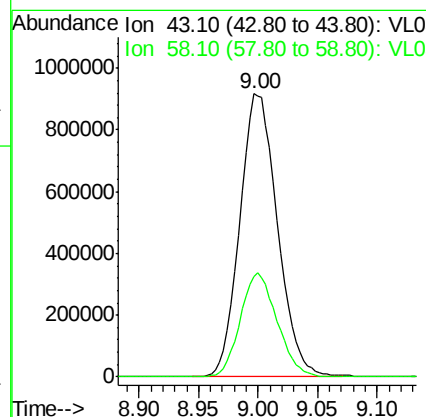
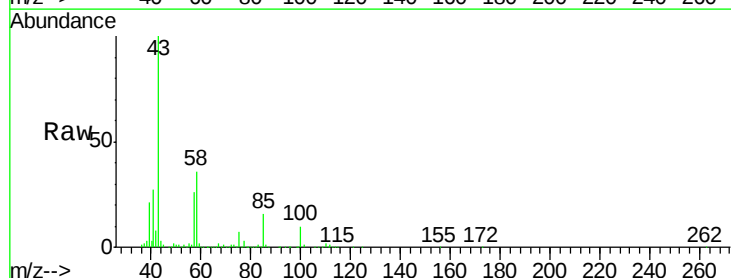
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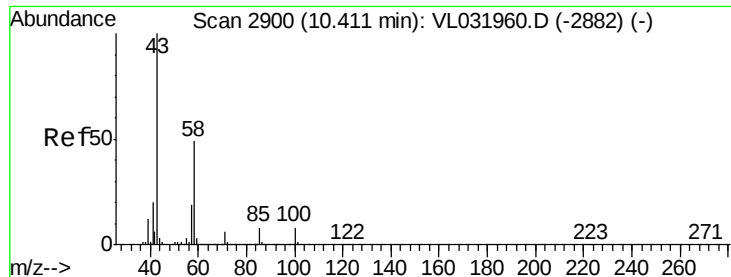
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.63 ppbv
RT: 9.00 min Scan# 2460
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 43 Resp: 2014193
Ion Ratio Lower Upper
43 100
58 35.9 28.6 42.8





#51

2-Hexanone

Concen: 11.26 ppbv

RT: 10.40 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 43 Resp: 1942136

Ion Ratio Lower Upper

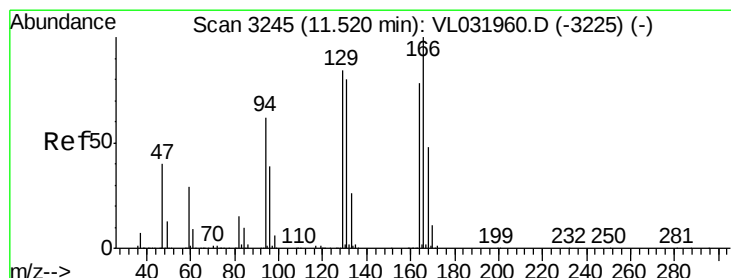
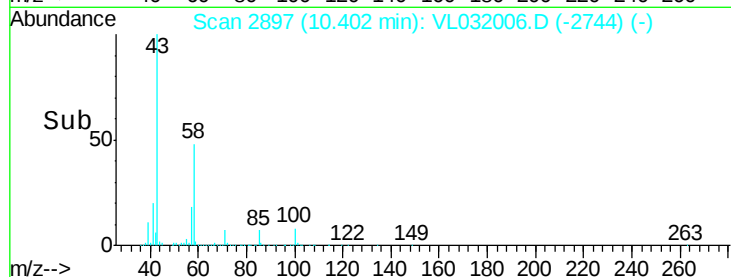
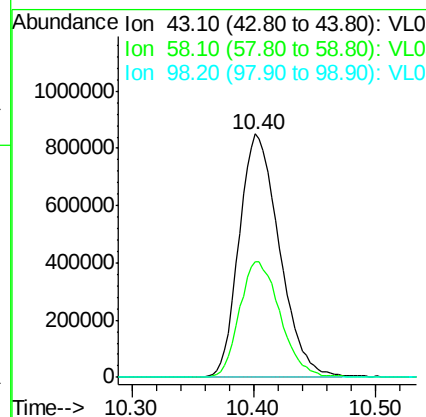
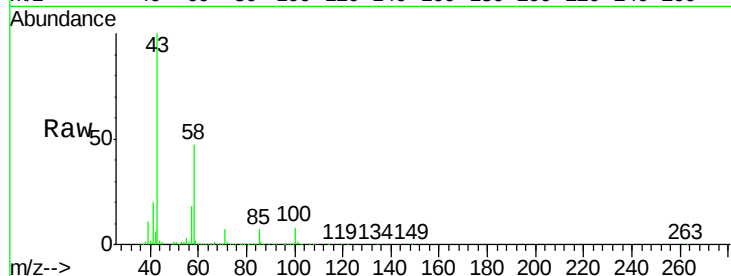
43 100

58 48.2 38.6 58.0

98 0.4 0.2 0.2#

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#52

Tetrachloroethene

Concen: 10.36 ppbv

RT: 11.51 min Scan# 3242

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion: 164 Resp: 878829

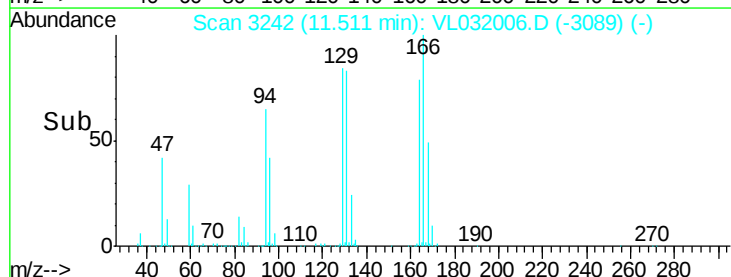
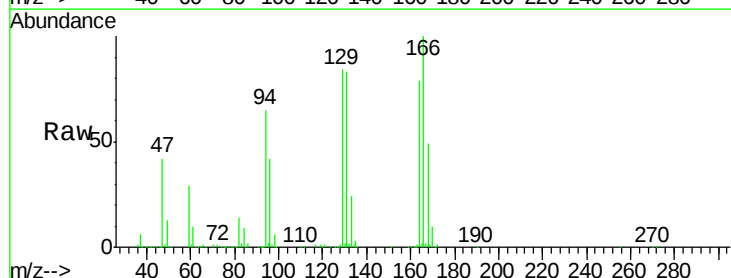
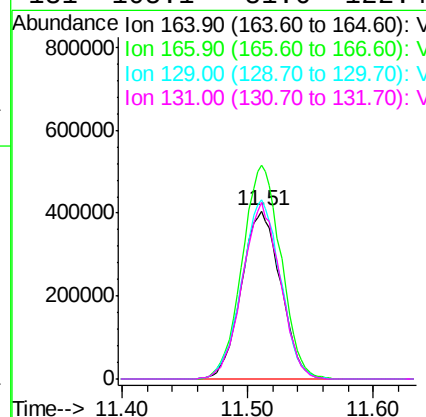
Ion Ratio Lower Upper

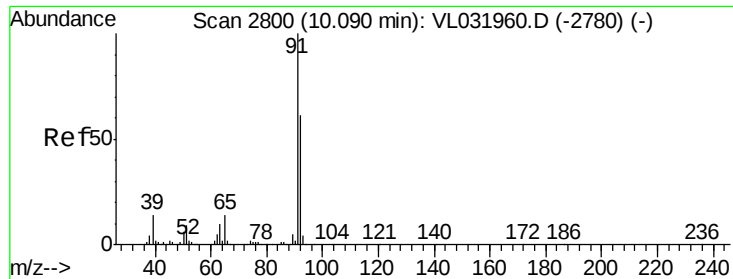
164 100

166 126.8 101.9 152.9

129 106.4 85.8 128.6

131 105.1 81.6 122.4





#53

Toluene

Concen: 11.00 ppbv

RT: 10.08 min Scan# 2797

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion: 91 Resp: 2716180

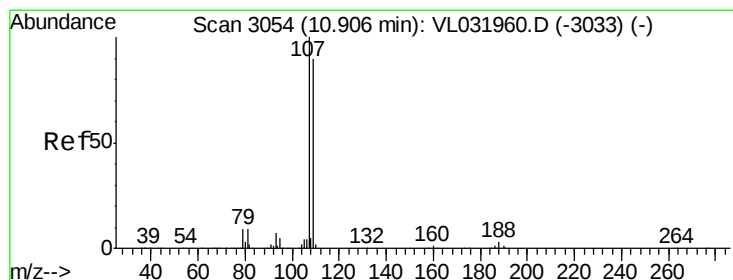
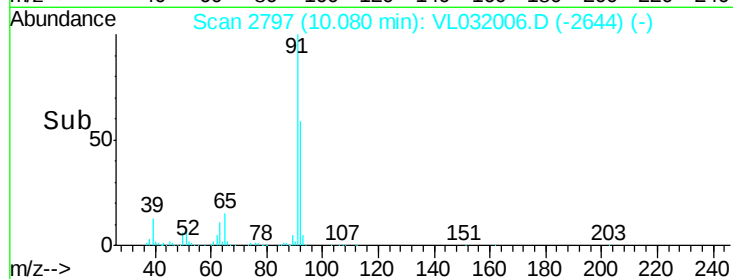
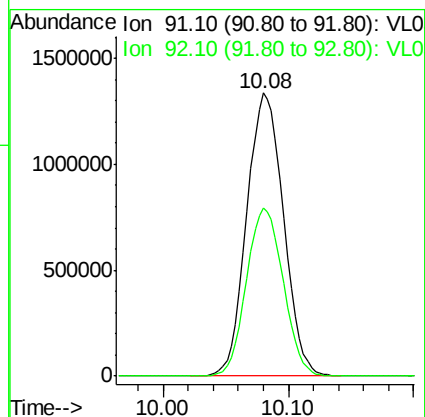
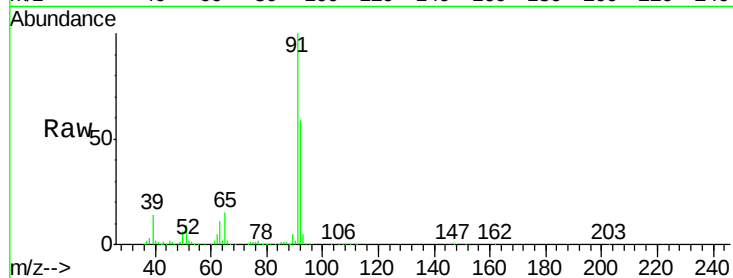
Ion Ratio Lower Upper

91 100

92 59.4 47.4 71.2

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#54

1,2-Dibromoethane

Concen: 10.47 ppbv

RT: 10.90 min Scan# 3051

Delta R.T. -0.01 min

Lab File: VL032006.D

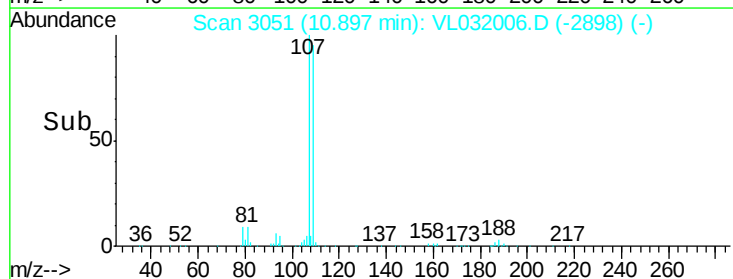
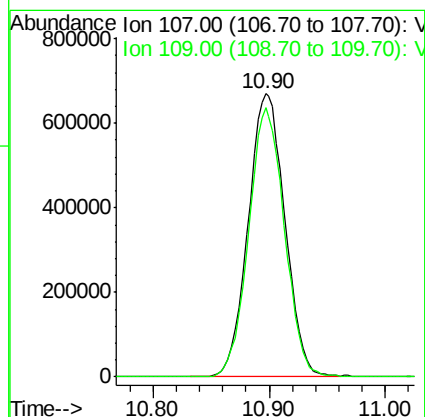
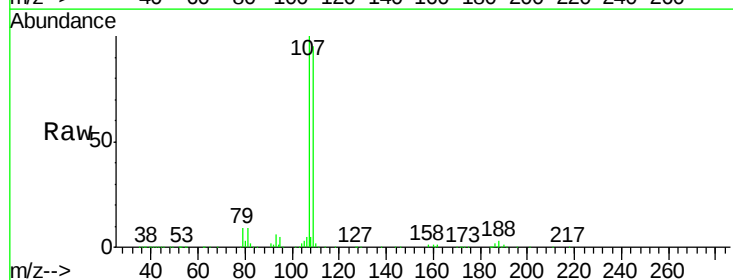
Acq: 16 May 2018 18:20

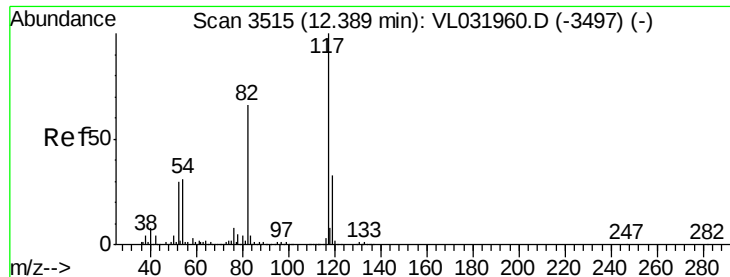
Tgt Ion: 107 Resp: 1472353

Ion Ratio Lower Upper

107 100

109 95.3 72.1 108.1





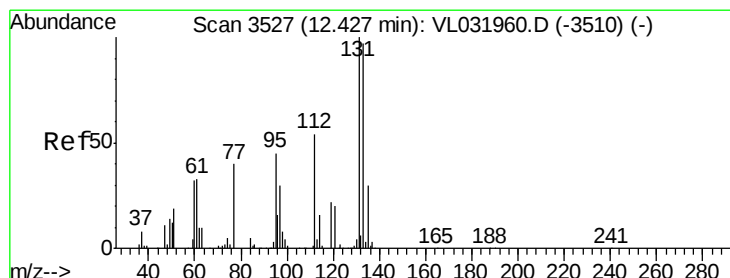
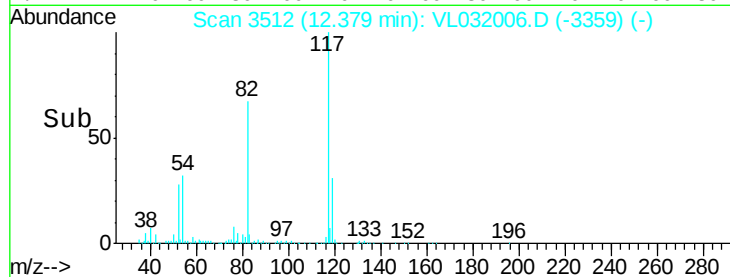
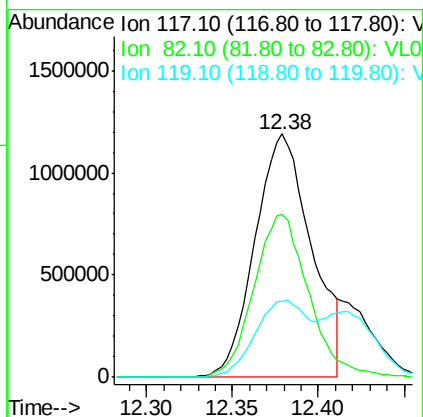
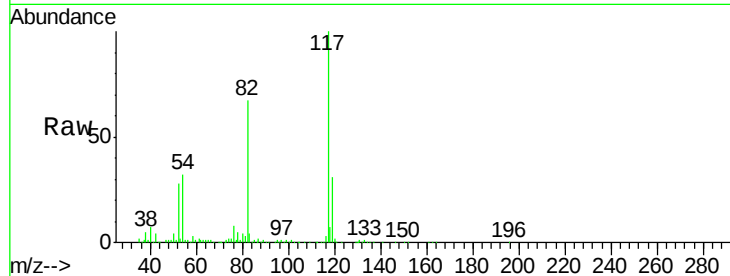
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.38 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.6	77.4
119	55.2	44.2	66.4

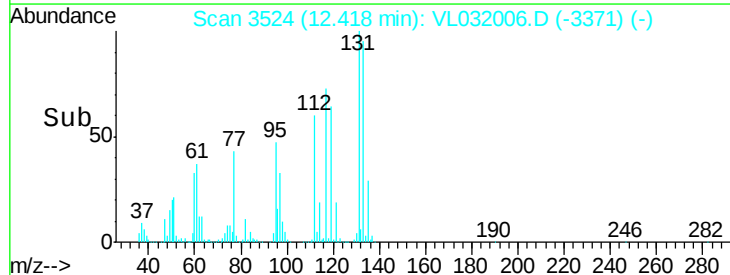
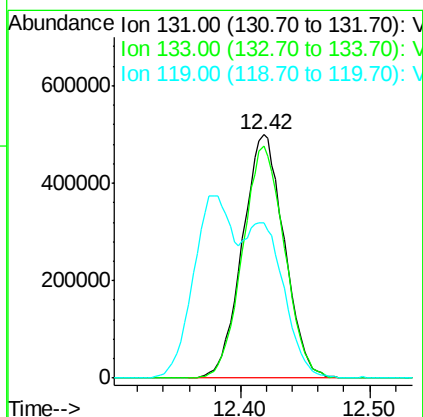
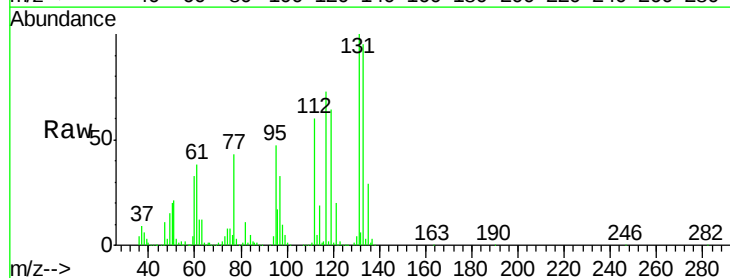
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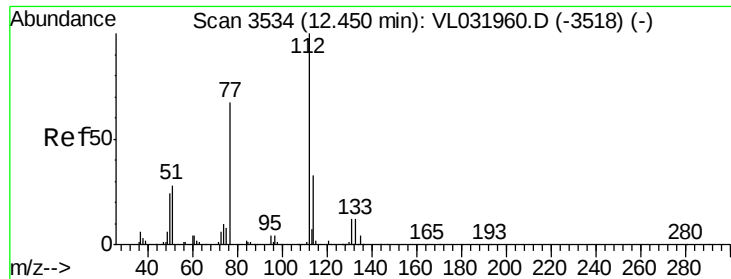
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.06 ppbv
RT: 12.42 min Scan# 3524
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.4
119	134.0	44.7	67.1#





#57

Chlorobenzene

Concen: 9.01 ppbv

RT: 12.44 min Scan# 3531

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion:112 Resp: 2122498

Ion Ratio Lower Upper

112 100

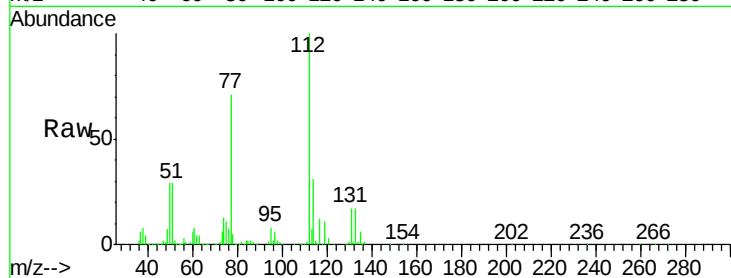
77 71.1 54.6 82.0

114 31.2 29.2 35.6

Manual Integrations
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MMDadoda

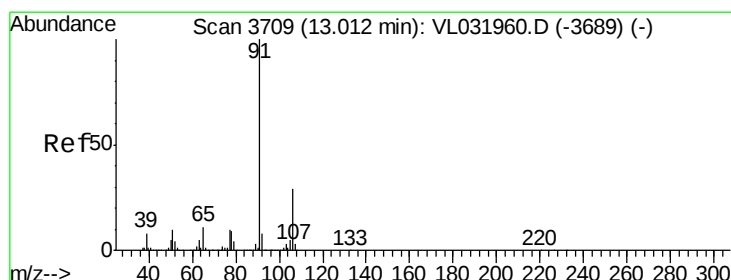
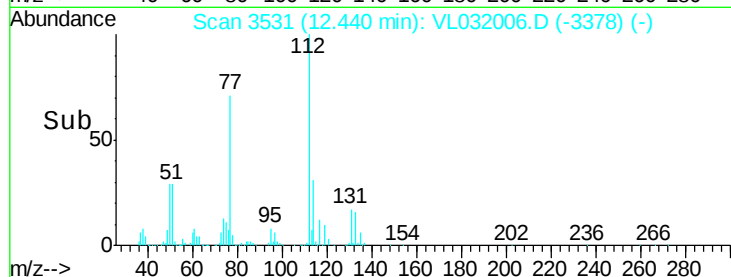
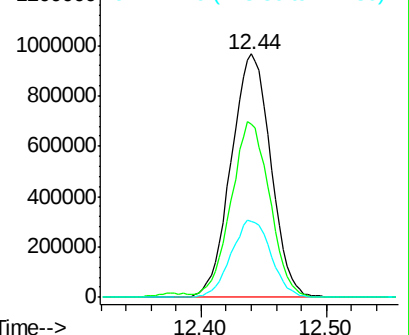
5/17/2018 3:34:12 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.67 ppbv

RT: 13.00 min Scan# 3705

Delta R.T. -0.01 min

Lab File: VL032006.D

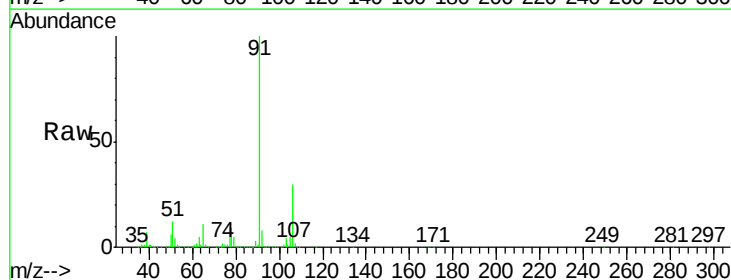
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 3782084

Ion Ratio Lower Upper

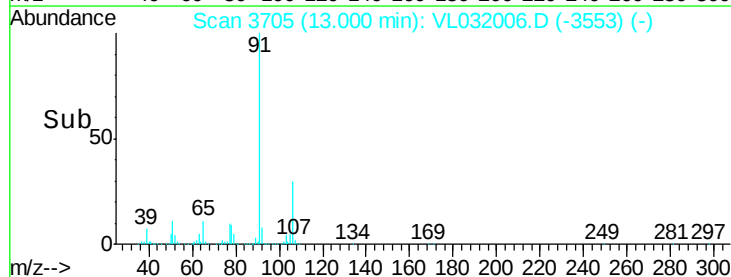
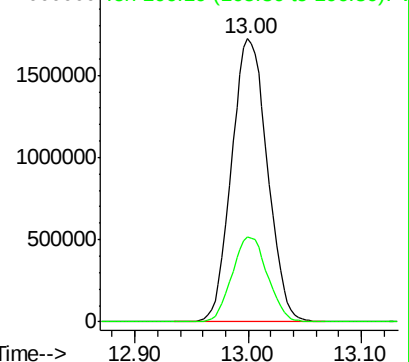
91 100

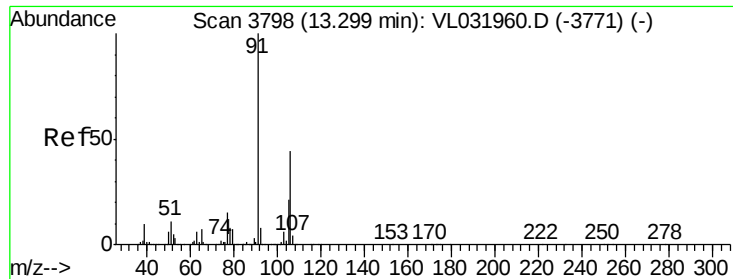
106 30.0 23.4 35.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





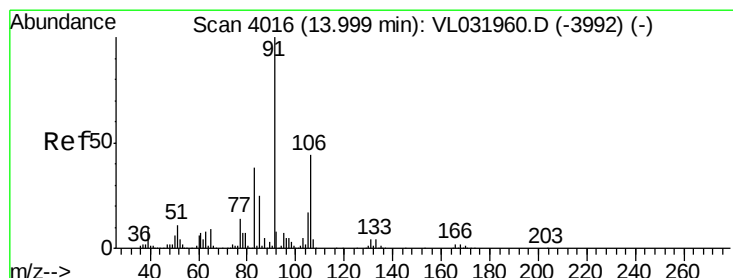
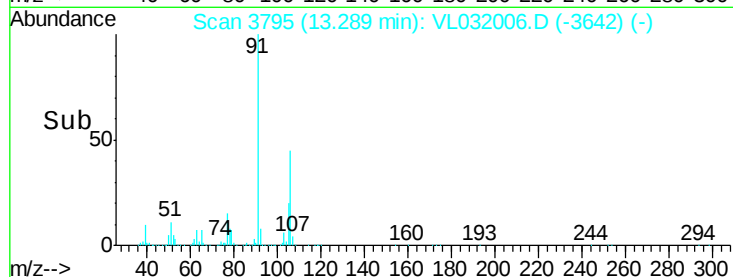
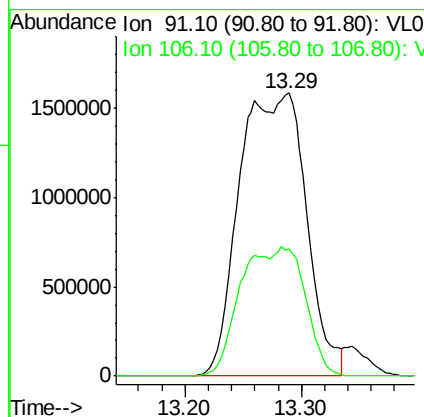
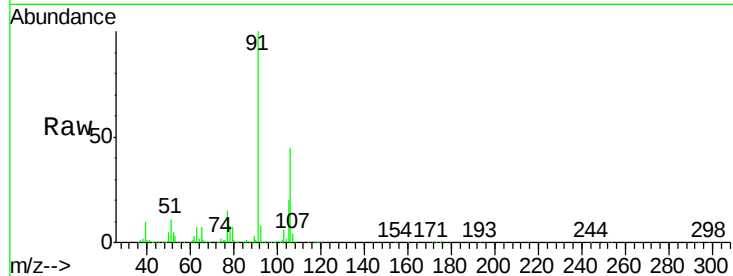
#59
m/p-Xylene
Concen: 19.11 ppbv m
RT: 13.29 min Scan# 3795
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion: 91 Resp: 6336851
Ion Ratio Lower Upper
91 100
106 44.2 35.9 53.9

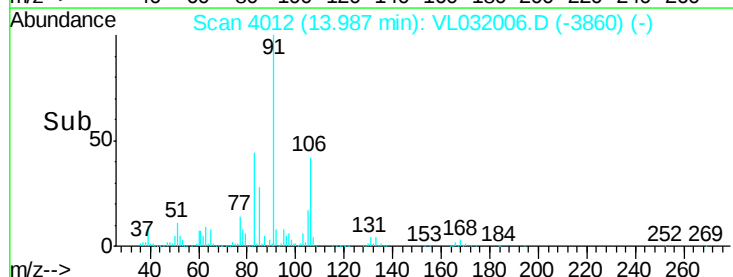
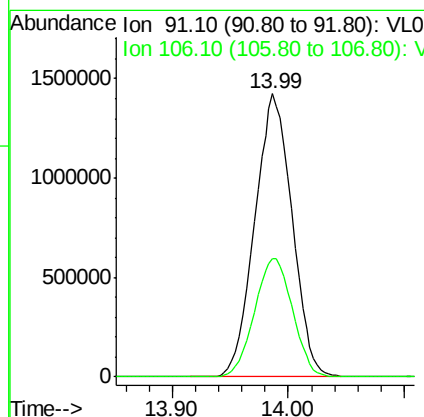
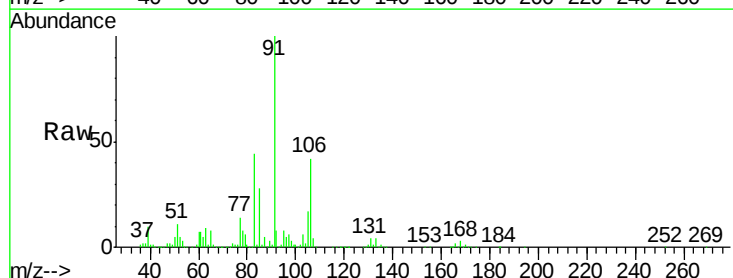
Manual Integrations
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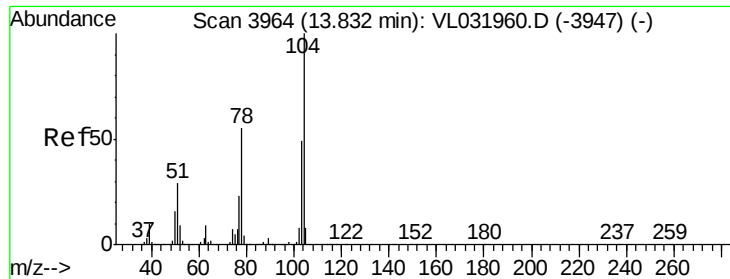
MMDadoda
5/17/2018 3:34:12 PM



#60
o-Xylene
Concen: 9.55 ppbv
RT: 13.99 min Scan# 4012
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 3179018
Ion Ratio Lower Upper
91 100
106 42.9 21.5 64.5





#61

Stvrene

Concen: 10.94 ppbv

RT: 13.82 min Scan# 3961

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

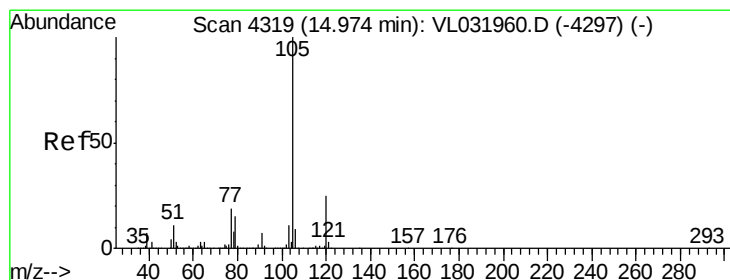
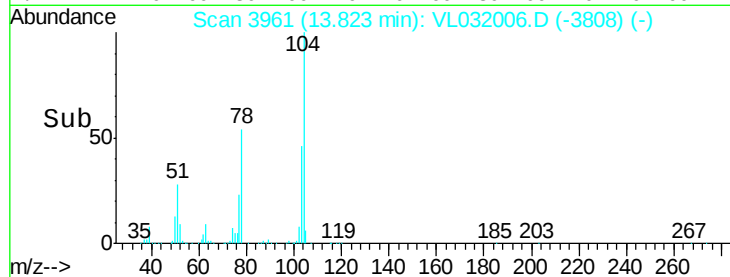
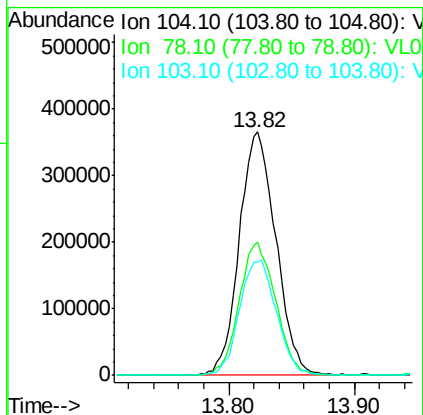
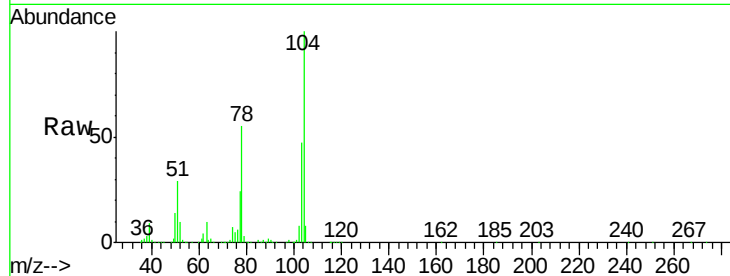
ClientSampleId :

VL0516ABS01

Tot Ion:	104	Resp:	738668
Ion Ratio	Lower	Upper	
104	100		
78	54.9	43.8	65.8
103	48.0	38.4	57.6

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#62

Isopropylbenzene

Concen: 9.26 ppbv

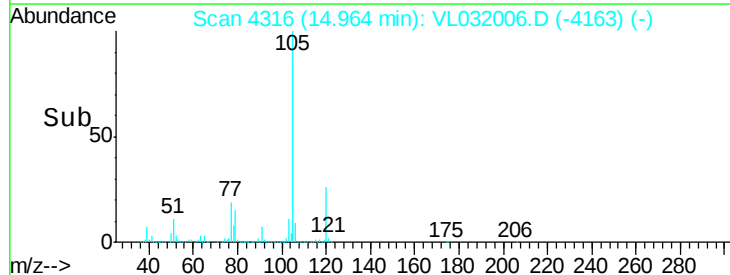
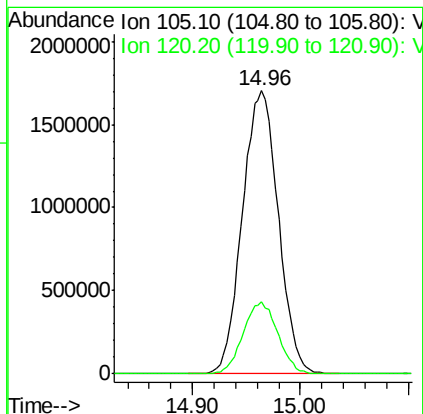
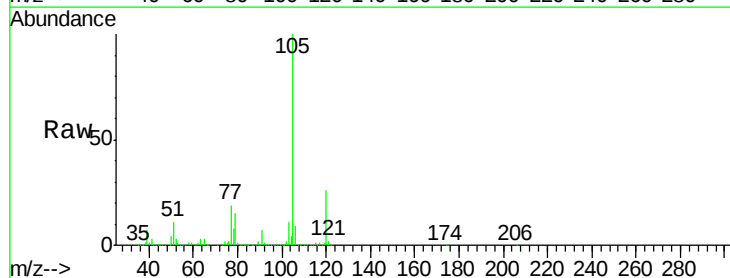
RT: 14.96 min Scan# 4316

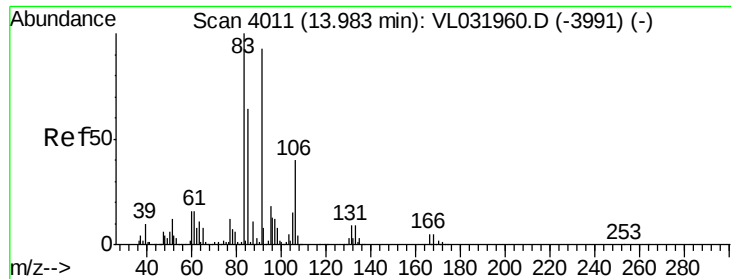
Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion:	105	Resp:	3937929
Ion Ratio	Lower	Upper	
105	100		
120	24.7	19.9	29.9





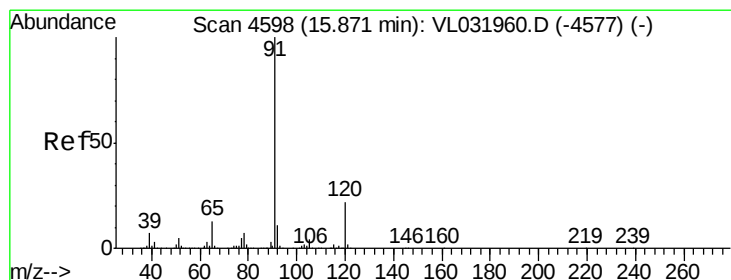
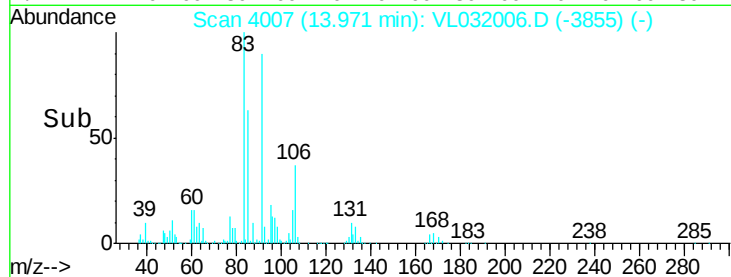
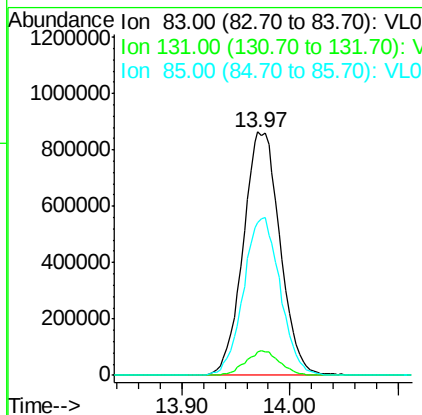
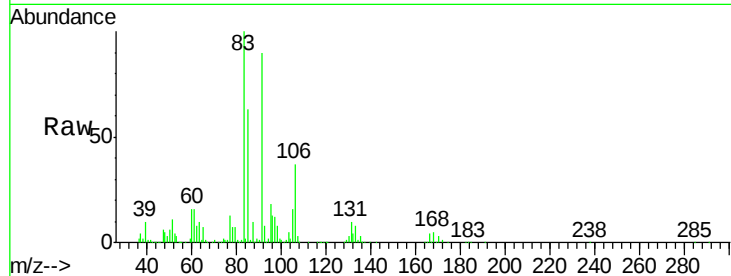
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.66 ppbv
 RT: 13.97 min Scan# 4007
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion	83	Resp	2047786
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.7	32.7	98.1

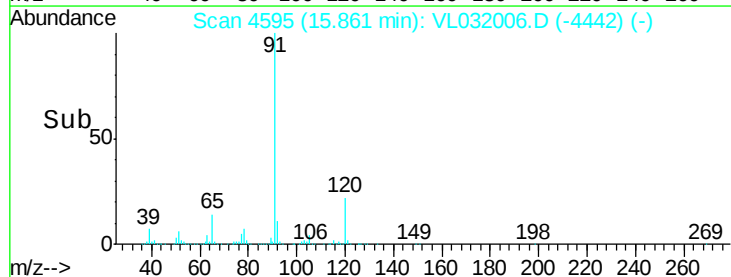
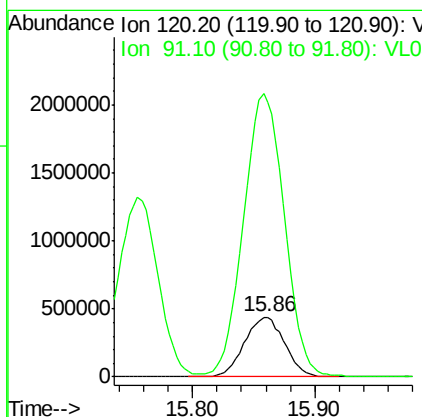
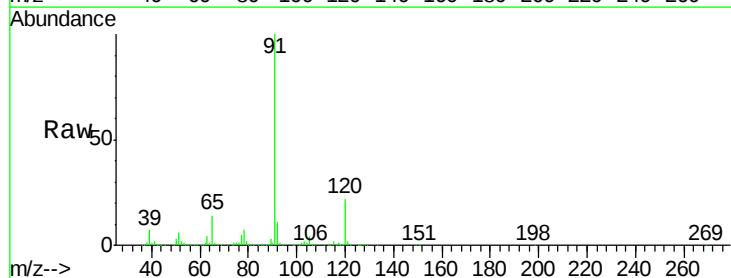
Manual Integrations
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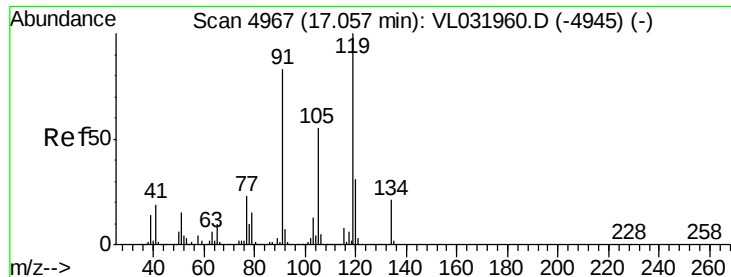
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.33 ppbv
 RT: 15.86 min Scan# 4595
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion	120	Resp	995593
Ion Ratio	100	Lower	Upper
120	100		
91	485.5	388.6	583.0





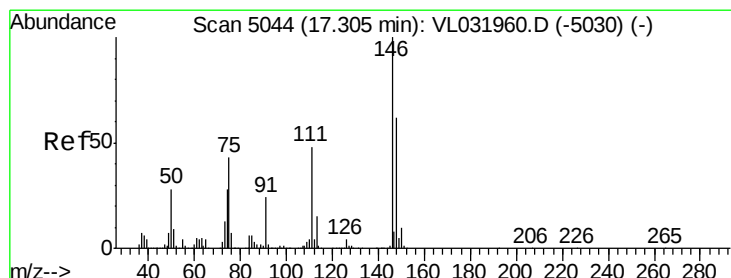
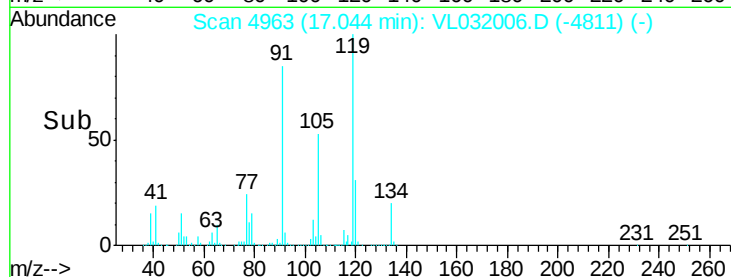
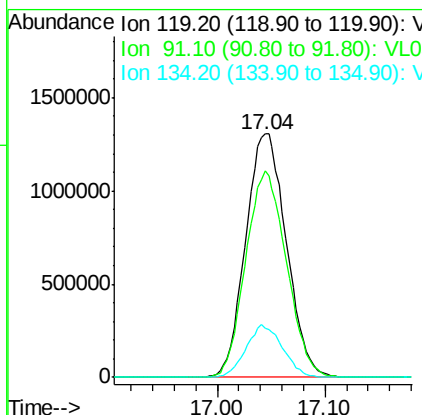
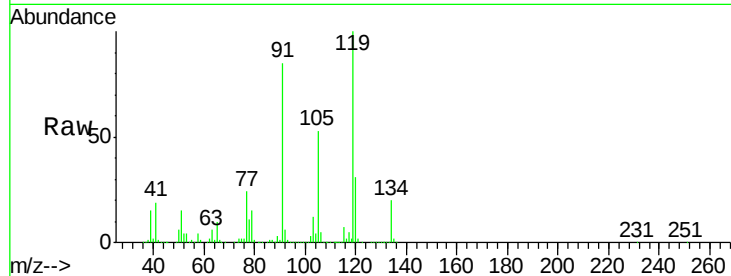
#65
 tert-Butylbenzene
 Concen: 9.02 ppbv
 RT: 17.04 min Scan# 4963
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion:119 Resp: 3424999
 Ion Ratio Lower Upper
 119 100
 91 84.9 68.1 102.1
 134 19.5 15.4 23.0

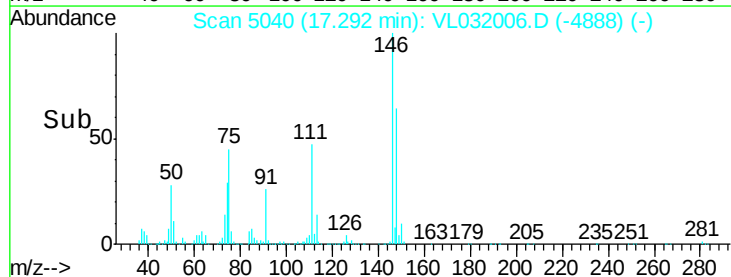
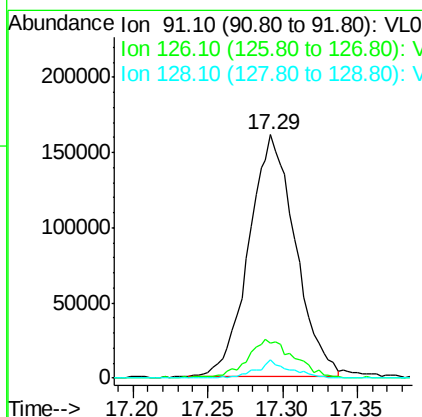
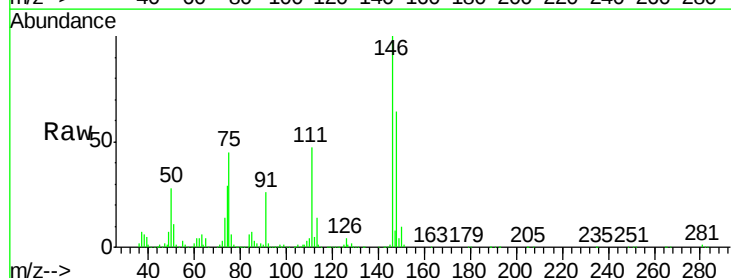
Manual Integrations
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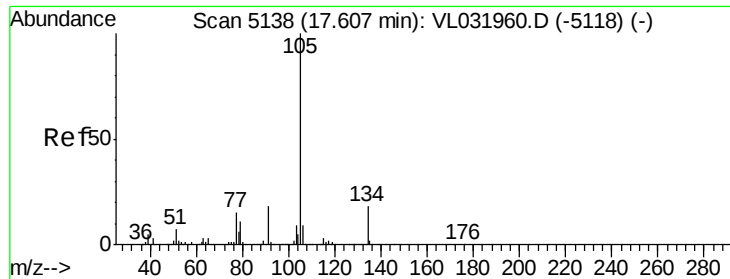
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#66
 Benzyl Chloride
 Concen: 10.07 ppbv
 RT: 17.29 min Scan# 5040
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 347077
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.4 20.0
 128 5.6 4.6 6.8





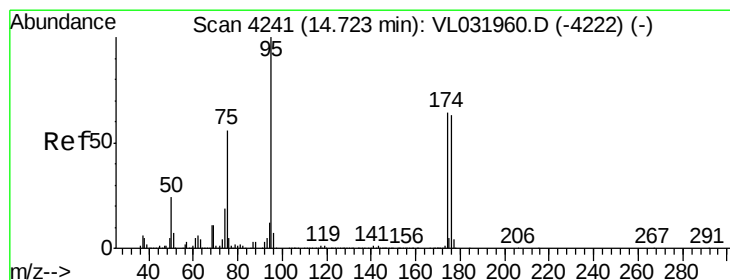
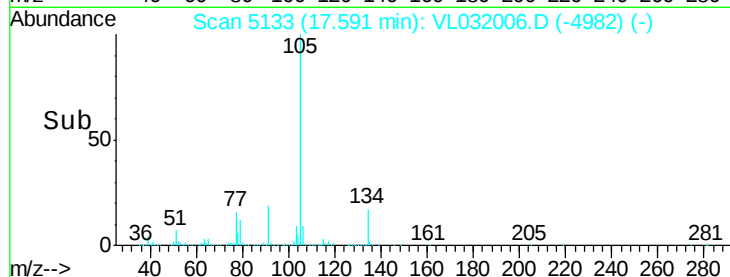
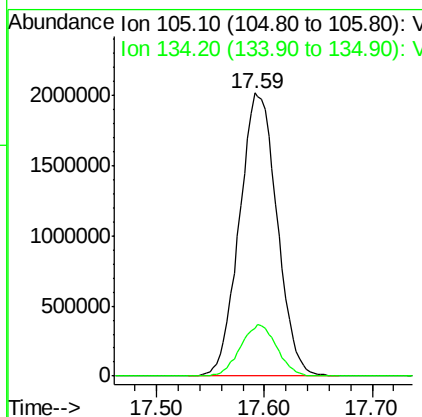
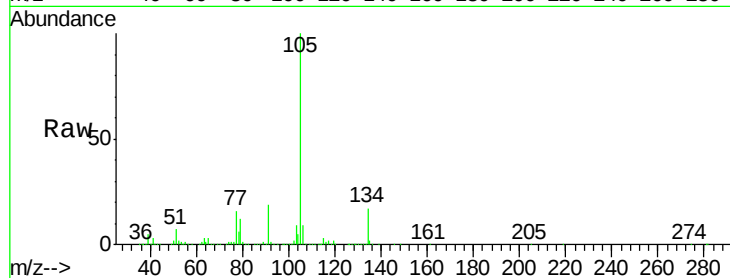
#67
 sec-Butylbenzene
 Concen: 9.27 ppbv
 RT: 17.59 min Scan# 5133
 Delta R.T. -0.02 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion: 105 Resp: 4885184
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.4

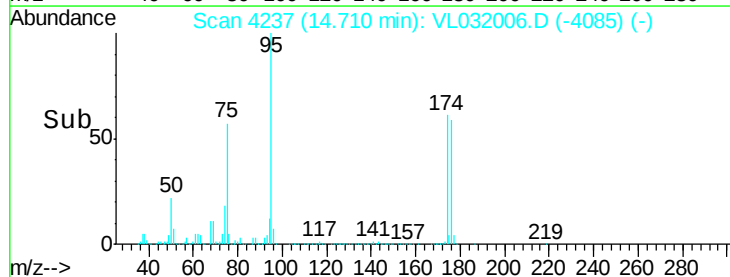
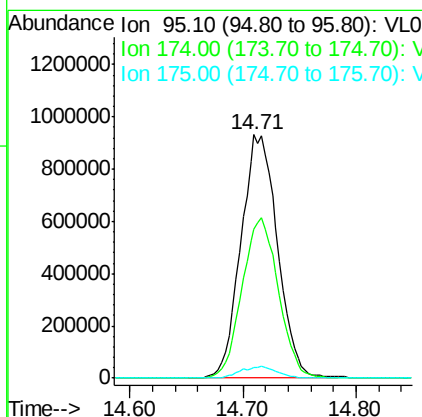
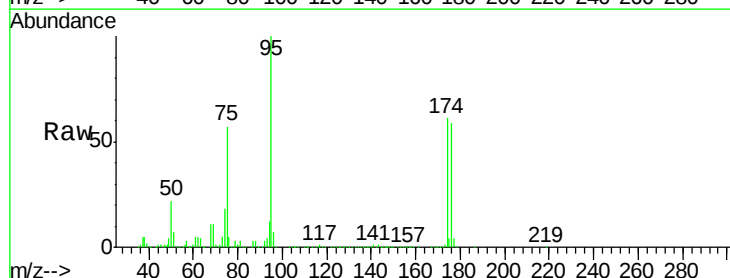
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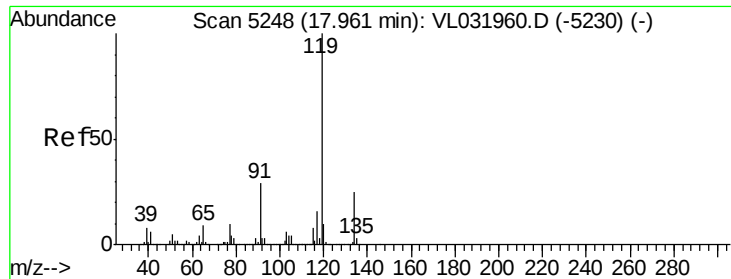
MMDadoda
 5/17/2018 3:34:12 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.91 ppbv
 RT: 14.71 min Scan# 4237
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion: 95 Resp: 2096935
 Ion Ratio Lower Upper
 95 100
 174 65.6 53.0 79.6
 175 4.8 3.9 5.9





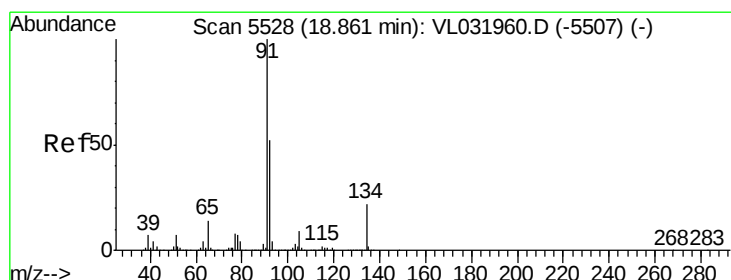
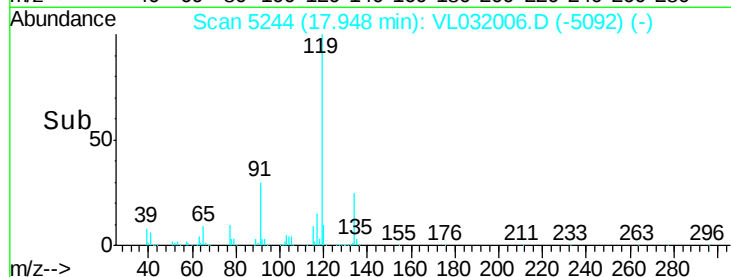
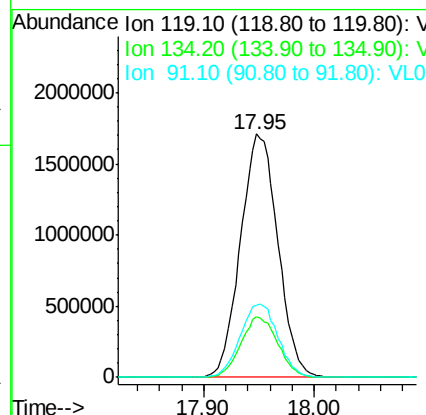
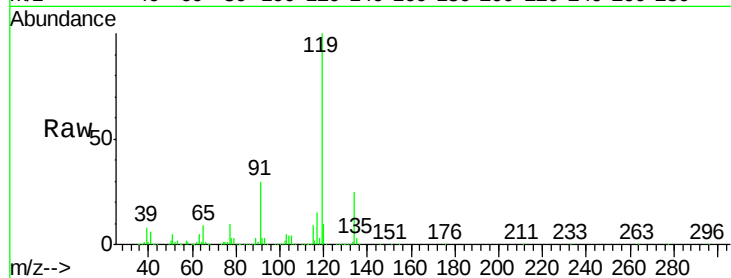
#69
 p-Isopropyltoluene
 Concen: 9.44 ppbv
 RT: 17.95 min Scan# 5244
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.8
91	30.6	23.8	35.6

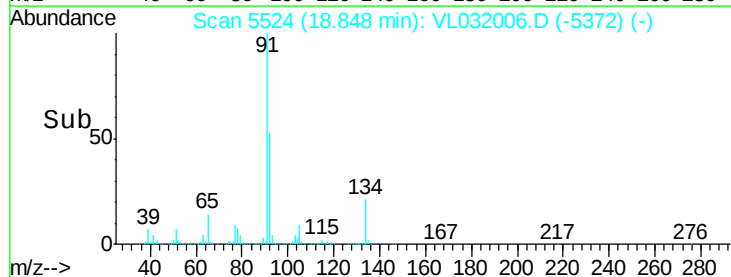
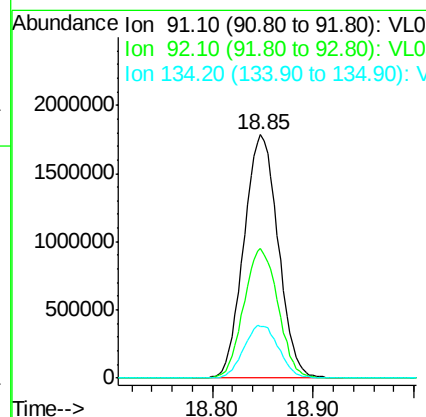
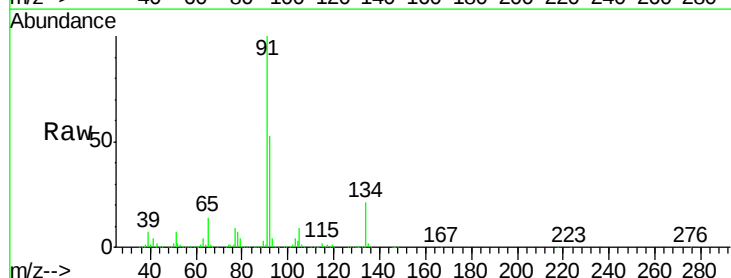
Manual Integrations
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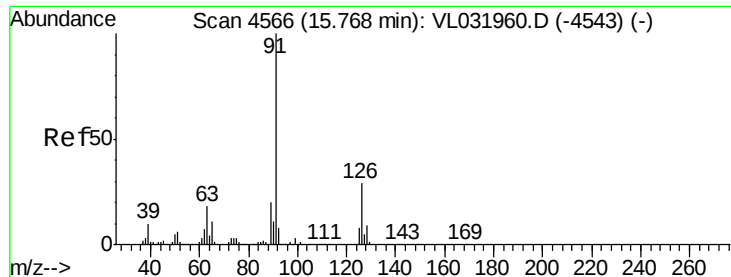
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.59 ppbv
 RT: 18.85 min Scan# 5524
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	41.8	62.8
134	22.0	17.6	26.4





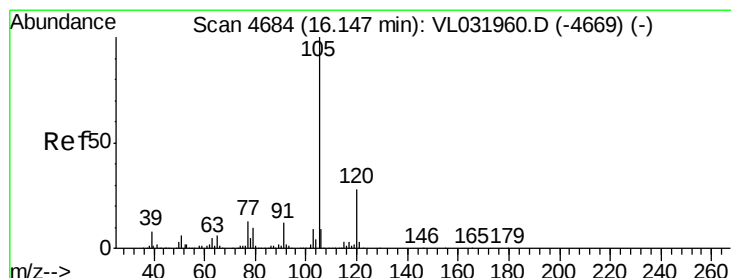
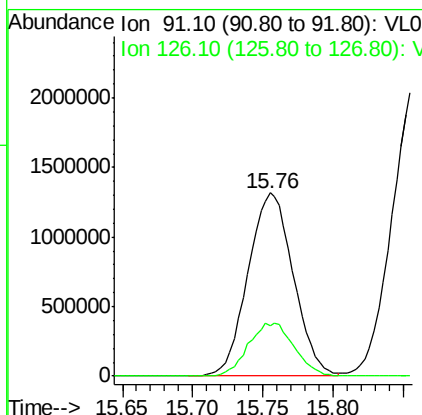
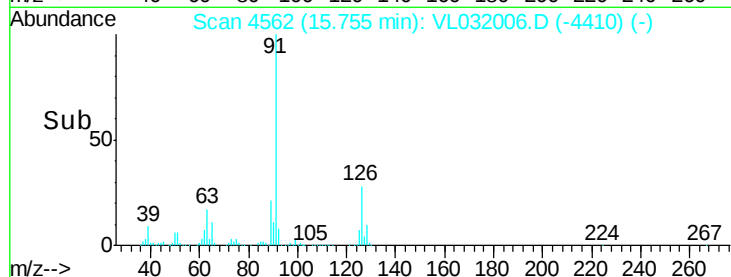
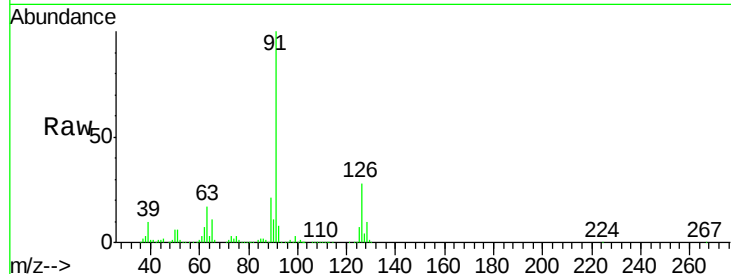
#71
 2-Chlorotoluene
 Concen: 9.48 ppbv
 RT: 15.76 min Scan# 4562
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion: 91 Resp: 2952313
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.8 47.2

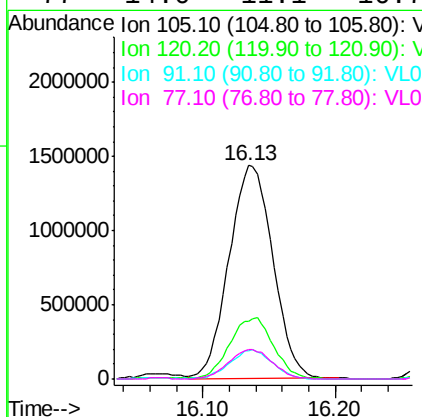
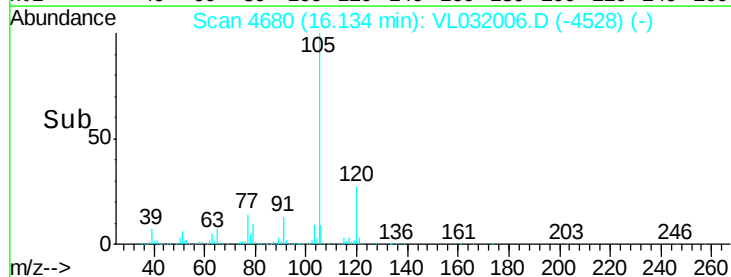
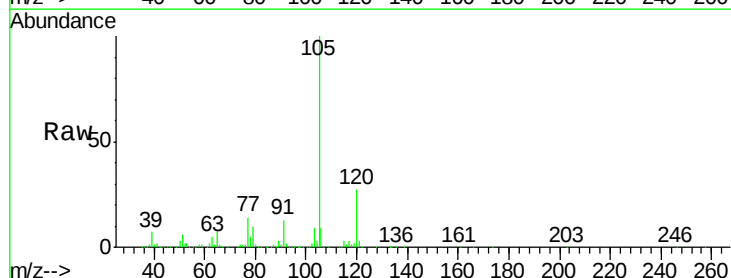
Manual Integrations
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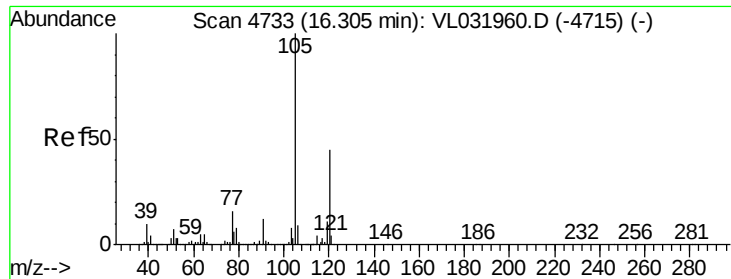
MMDadoda
 5/17/2018 3:34:12 PM



#72
 4-Ethyltoluene
 Concen: 9.77 ppbv
 RT: 16.13 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion:105 Resp: 3301079
 Ion Ratio Lower Upper
 105 100
 120 29.4 22.6 33.8
 91 13.5 10.5 15.7
 77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.45 ppbv

RT: 16.29 min Scan# 4729

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion:105 Resp: 2951979

Ion Ratio Lower Upper

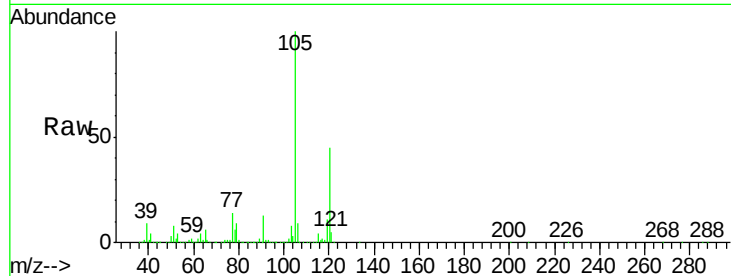
105 100

120 44.7 36.0 54.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.29

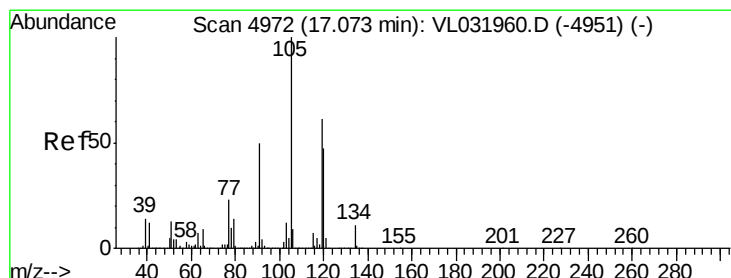
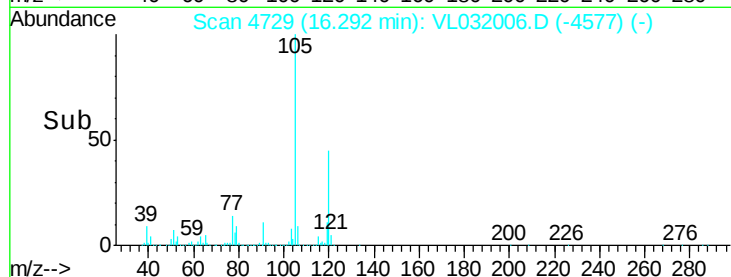
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.21 ppbv

RT: 17.06 min Scan# 4968

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Tgt Ion:105 Resp: 3185070

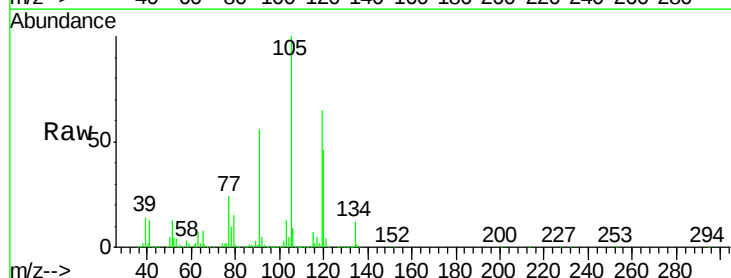
Ion Ratio Lower Upper

105 100

120 46.1 37.8 56.6

91 55.7 40.5 60.7

77 23.5 18.2 27.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

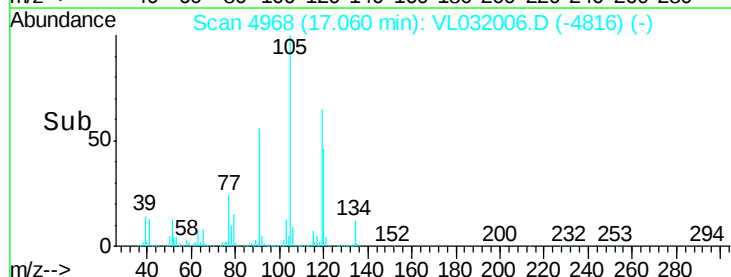
1500000

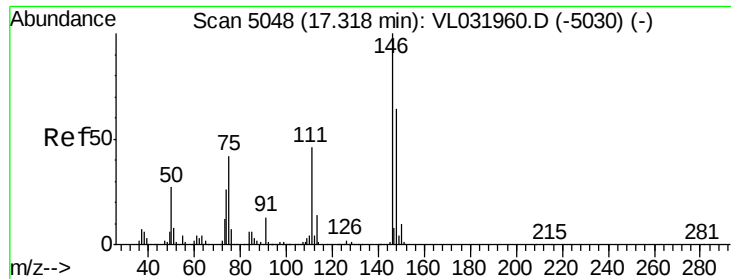
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.28 ppbv

RT: 17.30 min Scan# 5043

Delta R.T. -0.02 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tot Ion:146 Resp: 1979338

Ion Ratio Lower Upper

146 100

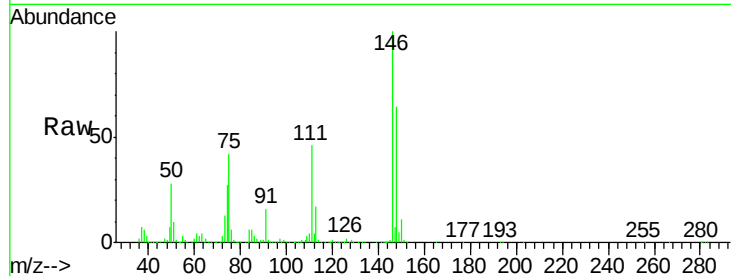
111 47.1 23.5 70.5

148 64.1 32.3 96.8

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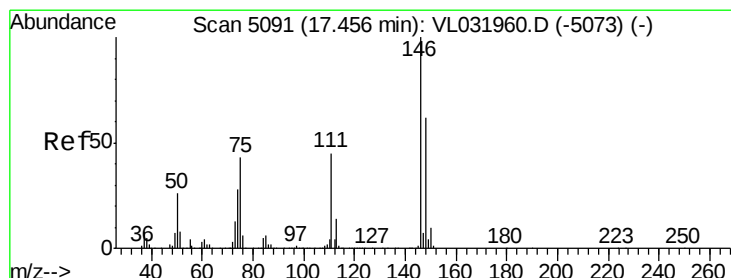
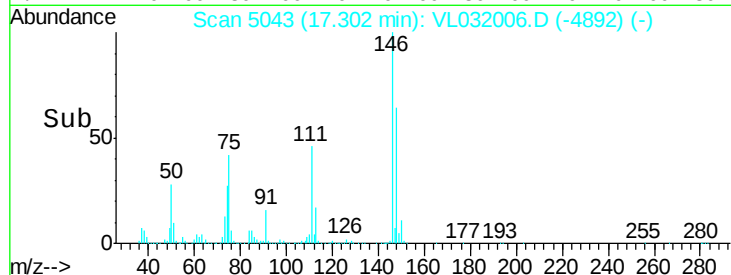
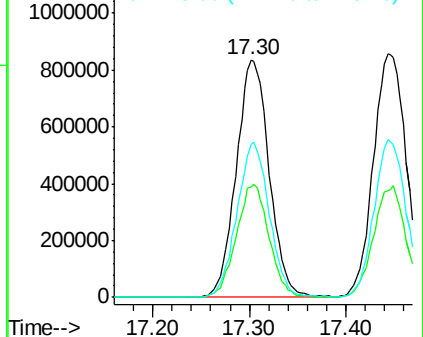
5/17/2018 3:34:12 PM



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: 9.60 ppbv

RT: 17.44 min Scan# 5087

Delta R.T. -0.01 min

Lab File: VL032006.D

Acq: 16 May 2018 18:20

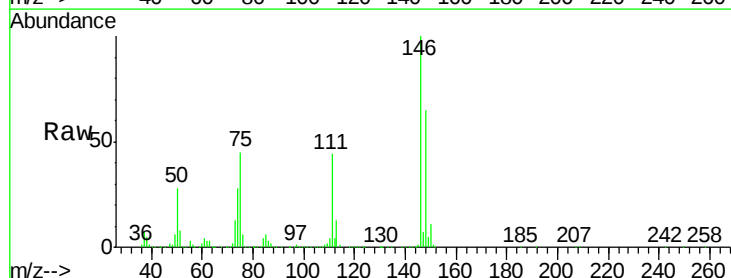
Tgt Ion:146 Resp: 2026424

Ion Ratio Lower Upper

146 100

111 45.0 23.0 69.0

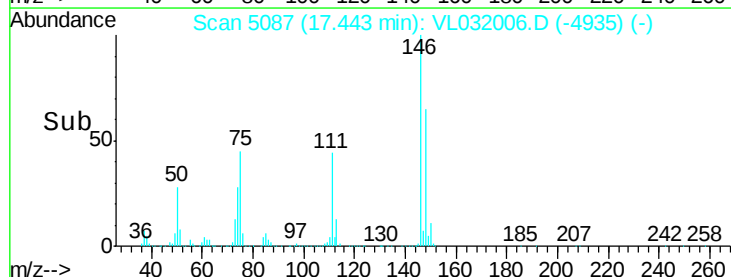
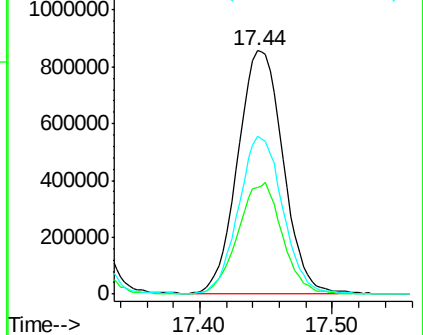
148 63.6 32.4 97.2

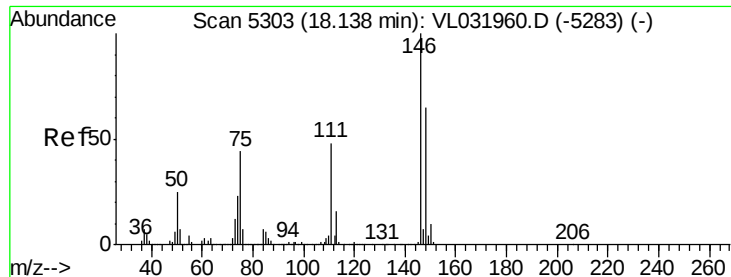


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





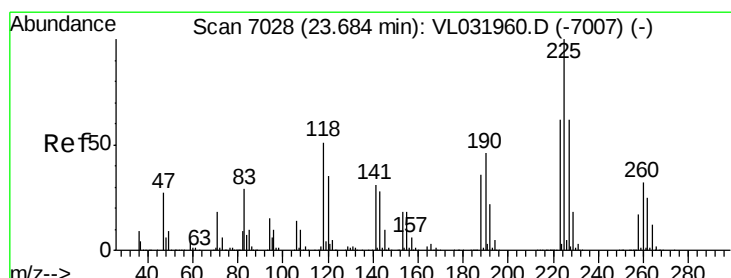
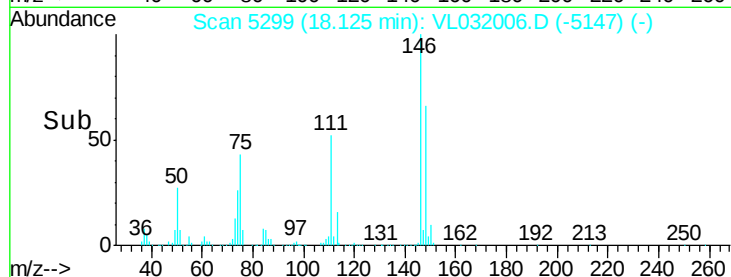
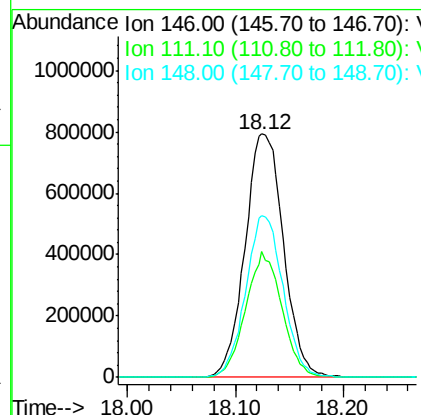
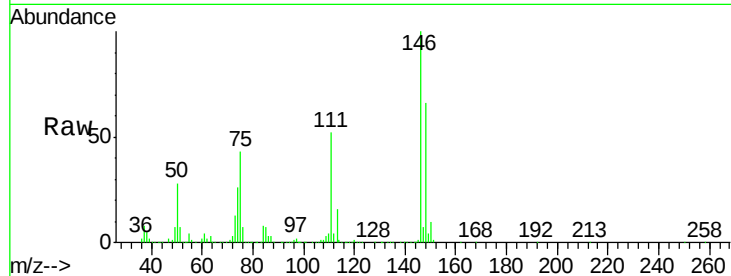
#77
 1,2-Dichlorobenzene
 Concen: 9.17 ppbv
 RT: 18.12 min Scan# 5299
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion:146 Resp: 1968514
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.2 72.6
 148 64.5 32.0 96.2

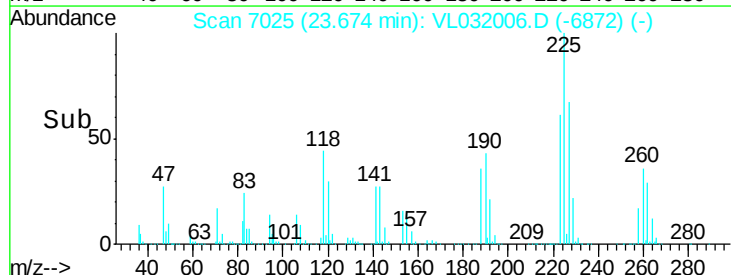
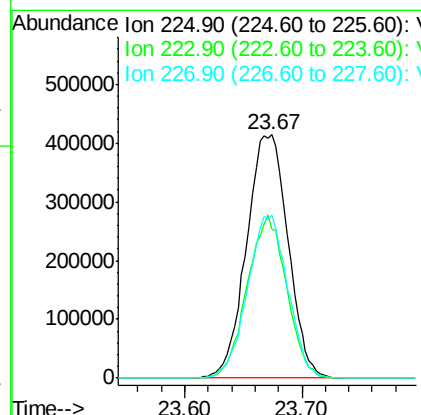
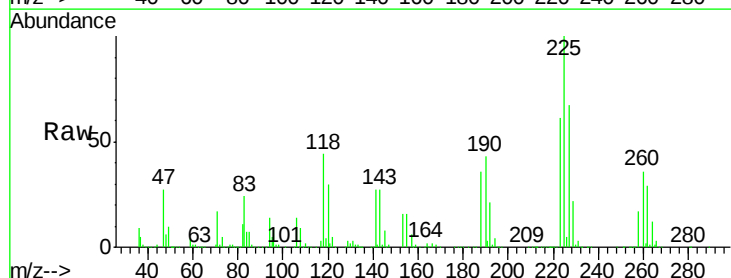
Manual Integrations
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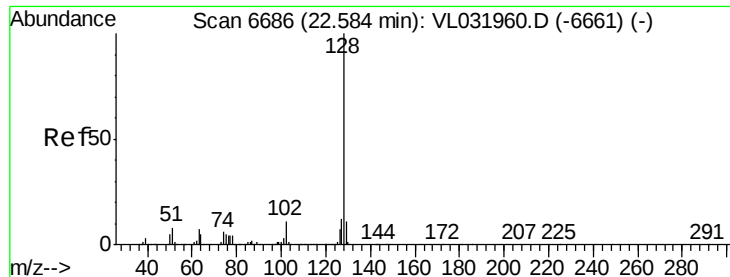
MMDadoda
 5/17/2018 3:34:12 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.39 ppbv m
 RT: 23.67 min Scan# 7025
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Tgt Ion:225 Resp: 1014245
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.8 76.2#
 227 0.0 50.9 76.3#





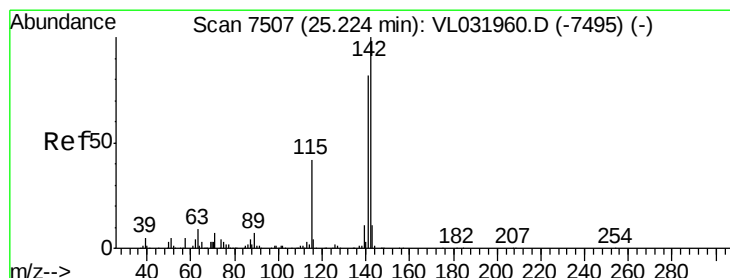
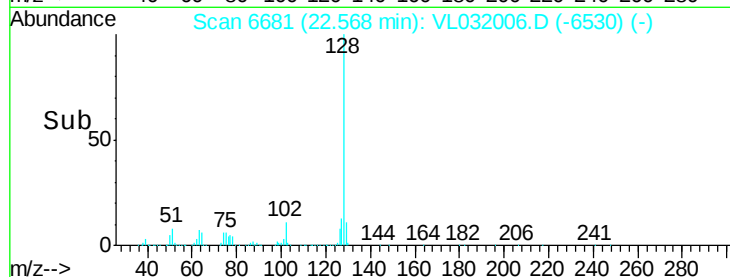
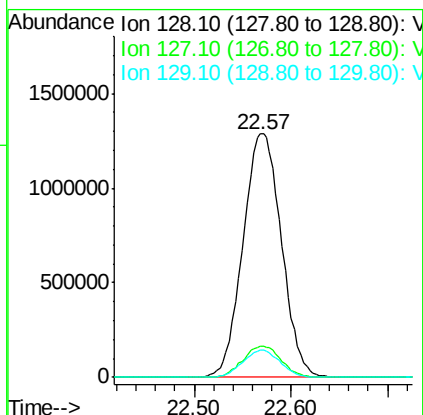
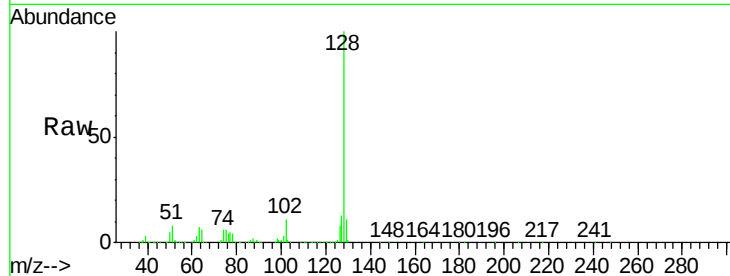
#79
Naphthalene
Concen: 14.75 ppbv
RT: 22.57 min Scan# 6681
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tot Ion:128	Resp: 3549301
Ion Ratio	Lower Upper
128 100	
127 12.8	10.0 15.0
129 11.2	9.0 13.4

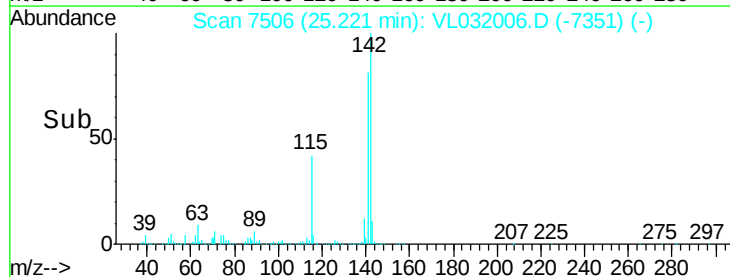
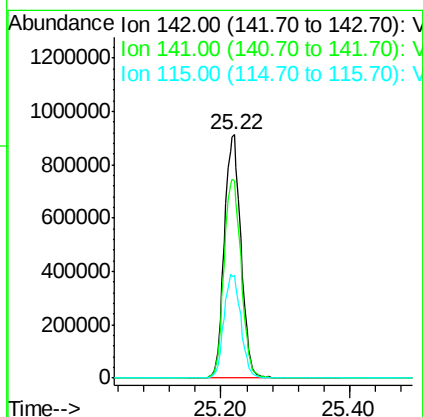
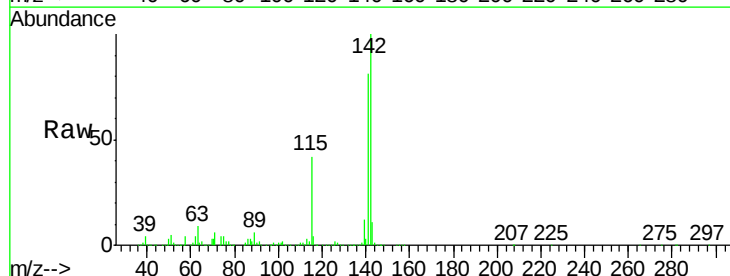
Manual Integrations
APPROVED

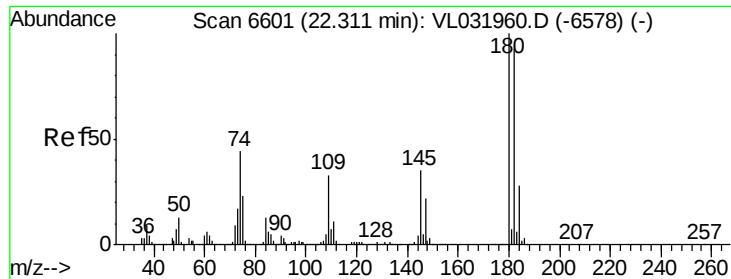
MMDadoda
5/17/2018 3:34:12 PM



#80
Naphthalene, 2-methyl-
Concen: 28.69 ppbv
RT: 25.22 min Scan# 7506
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:142	Resp: 1646547
Ion Ratio	Lower Upper
142 100	
141 84.0	67.9 101.9
115 43.5	33.8 50.8





#81
 1,2,4-Trichlorobenzene
 Concen: 13.25 ppbv m
 RT: 22.30 min Scan# 6598
 Delta R.T. -0.01 min
 Lab File: VL032006.D
 Acq: 16 May 2018 18:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
184	0.0	24.0	36.0

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:12 PM

