

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032318.D
 Acq On : 27 Jul 2018 13:34
 Operator : SY/AP
 Sample : VL0727ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:05 AM

Quant Time: Jul 27 23:50:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1975655	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4210980	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5157130m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	4043109	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1978285	8.30	ppbv	98
3) Chlorodifluoromethane	3.06	51	1844264	9.34	ppbv	100
4) Chloromethane	3.22	50	1147144	9.59	ppbv	100
5) Vinyl Chloride	3.34	62	1043758	9.60	ppbv	95
6) Bromomethane	3.57	94	568358	9.52	ppbv	97
7) Chloroethane	3.66	64	368374	9.53	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	2150772	8.94	ppbv	99
9) Propene	3.08	41	895541	10.08	ppbv	100
10) Heptane	8.33	43	3162500	10.14	ppbv	99
11) Trichlorofluoromethane	4.06	101	2043764	8.98	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1418096	9.13	ppbv	100
13) Ethanol	3.70	45	227733	8.92	ppbv	98
14) Bromoethene	3.84	108	646398	9.48	ppbv	99
15) Acetone	3.96	43	1707510	9.17	ppbv	100
16) 1,3-Butadiene	3.41	39	911704	9.44	ppbv	99
17) tert-Butyl alcohol	4.42	59	535246	9.04	ppbv	100
18) 1,1-Dichloroethene	4.41	96	677466	9.40	ppbv	97
19) Isopropyl Alcohol	4.08	45	1269583	10.22	ppbv	99
20) Methylene Chloride	4.47	84	615548	8.22	ppbv	98
21) Allyl Chloride	4.54	41	1215133	9.57	ppbv	99
22) trans-1,2-Dichloroethene	5.03	96	689461	9.92	ppbv	97
23) Vinyl Acetate	5.22	43	3284064	9.83	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2229524	9.30	ppbv	100
25) Ethyl Acetate	5.84	43	3874471	9.27	ppbv	100
26) Hexane	5.85	57	1783669	9.43	ppbv	98
27) Carbon Disulfide	4.68	76	1764445	10.26	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2579971	10.09	ppbv	100
29) Chloroform	5.92	83	2553564	9.28	ppbv	100
30) Cyclohexane	7.32	84	1439014	9.75	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1791859	10.22	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	2462774	10.12	ppbv	99
34) 2-Butanone	5.40	43	2693034	9.88	ppbv	99
35) Carbon Tetrachloride	7.21	117	2476912	10.36	ppbv	100
36) Benzene	7.09	78	3738330	10.07	ppbv	98
37) 1,2-Dichloroethane	6.49	62	2016370	9.40	ppbv	99
38) Trichloroethene	8.04	130	1486248	10.36	ppbv	96
39) 1,2-Dichloropropane	7.82	63	1735914	9.30	ppbv	98
40) 1,4-Dioxane	8.04	88	569091	10.38	ppbv #	1
41) Tetrahydrofuran	6.22	42	1568059	10.17	ppbv	100
42) Bromodichloromethane	8.00	83	3404100	9.80	ppbv	98
43) Methyl Methacrylate	8.22	69	1904334	10.69	ppbv	99

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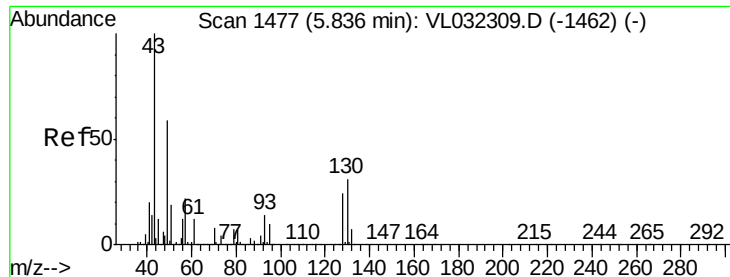
Manual Integrations
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MMDadoda
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Quant Time: Jul 27 23:50:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7829336	9.73	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2272918	11.01	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2728689	10.79	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1696936	9.35	ppbv	98
48) Dibromochloromethane	10.54	129	2659317	9.94	ppbv	99
49) Bromoform	13.29	173	2172208	9.86	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4882964	10.15	ppbv	100
51) 2-Hexanone	10.36	43	3968081	10.83	ppbv	100
52) Tetrachloroethene	11.47	164	1290193	10.31	ppbv	98
53) Toluene	10.03	91	4860593	10.95	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2564840	9.94	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1917944	9.02	ppbv #	54
57) Chlorobenzene	12.39	112	3512880	8.76	ppbv	98
58) Ethyl Benzene	12.95	91	6468805	10.01	ppbv	99
59) m/p-Xylene	13.24	91	10384050m	18.86	ppbv	
60) o-Xylene	13.94	91	5070343	9.40	ppbv	99
61) Styrene	13.77	104	4024471	10.13	ppbv	100
62) Isopropylbenzene	14.92	105	7153526	9.33	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3812720	8.68	ppbv	100
64) n-propylbenzene	15.81	120	1866492	9.35	ppbv	98
65) tert-Butylbenzene	17.00	119	5852254	9.03	ppbv	100
66) Benzyl Chloride	17.25	91	3709914	9.61	ppbv	100
67) sec-Butylbenzene	17.55	105	8783075	9.05	ppbv	100
69) p-Isopropyltoluene	17.90	119	6978327	9.29	ppbv	100
70) n-Butylbenzene	18.80	91	7708926	8.88	ppbv	99
71) 2-Chlorotoluene	15.71	91	5763121	9.58	ppbv	100
72) 4-Ethyltoluene	16.09	105	5933920	9.81	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5636637	9.47	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5516290	8.79	ppbv	92
75) 1,3-Dichlorobenzene	17.26	146	3068384	8.44	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3135605	8.99	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3054408	8.55	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	887126	7.06	ppbv	99
79) Naphthalene	22.52	128	5274234	9.68	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2266539	10.52	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2493394	9.16	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 49 Resp: 1975655

Ion Ratio Lower Upper

49 100

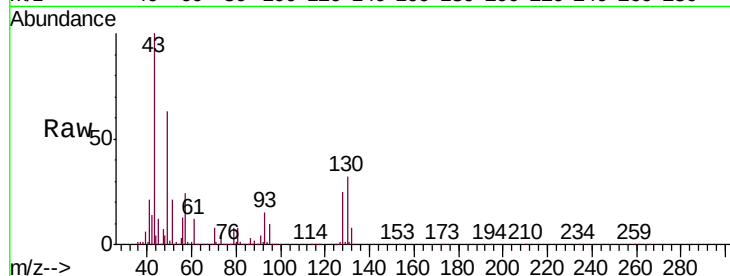
128 40.1 20.2 60.6

130 50.1 25.8 77.3

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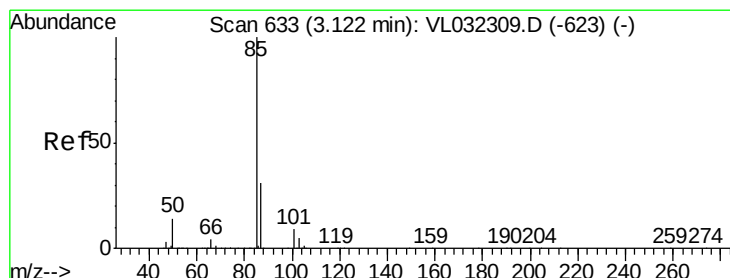
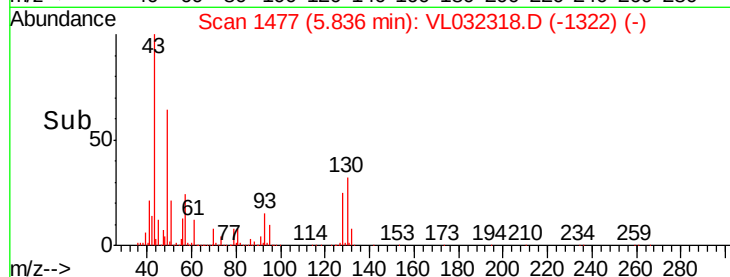
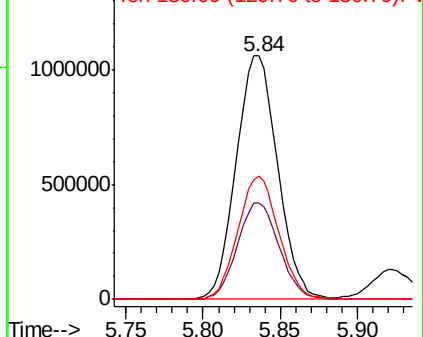
7/30/2018 11:43:05 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.30 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032318.D

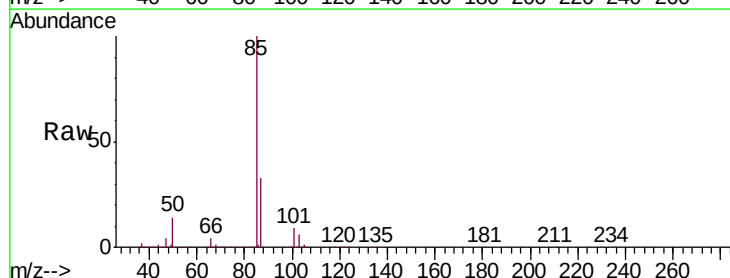
Acq: 27 Jul 2018 13:34

Tgt Ion: 85 Resp: 1978285

Ion Ratio Lower Upper

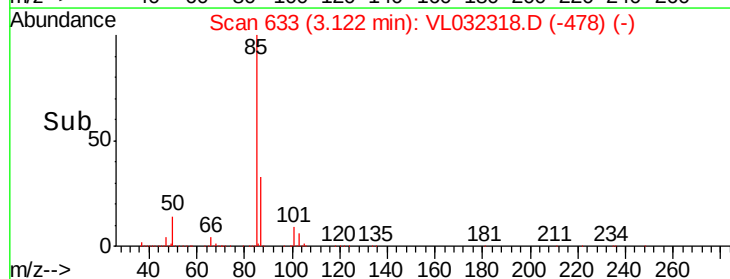
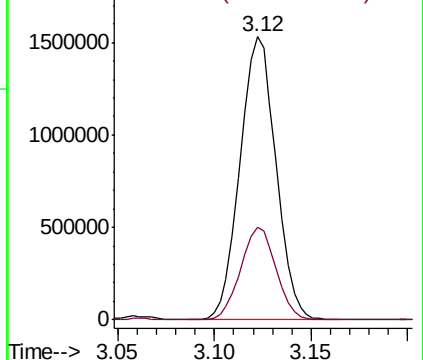
85 100

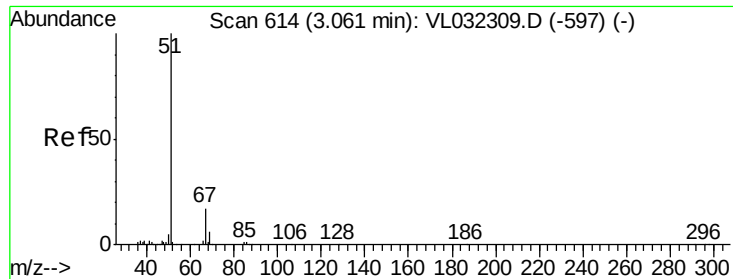
87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.34 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 51 Resp: 1844264

Ion Ratio Lower Upper

51 100

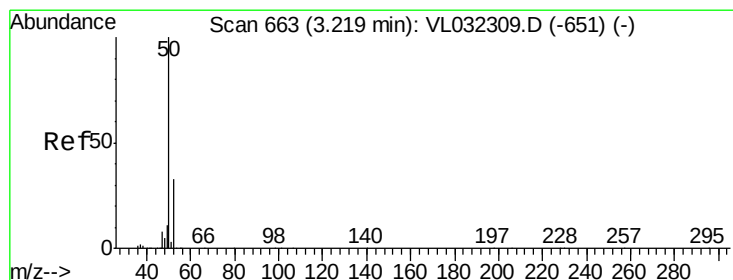
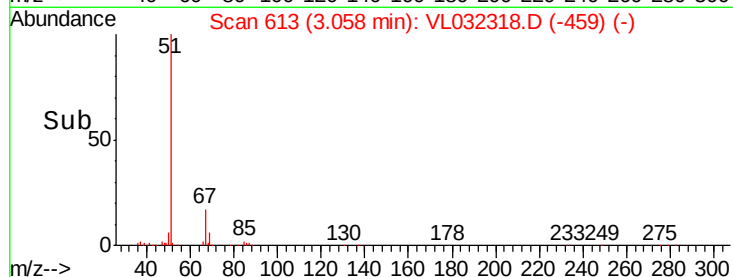
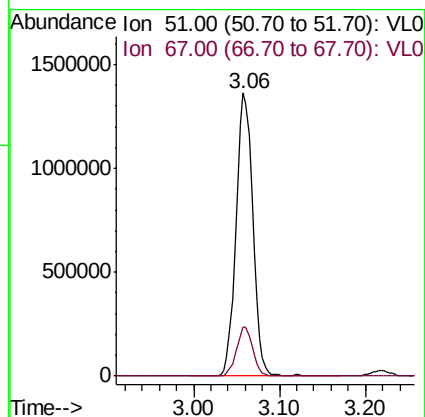
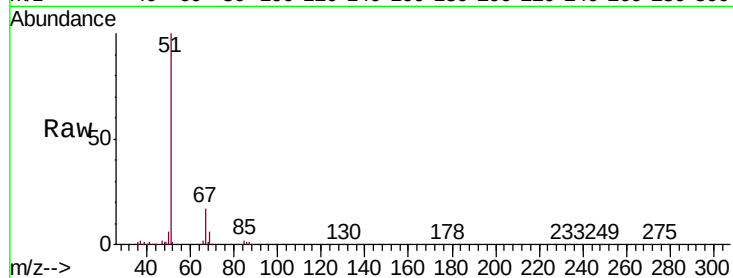
67 16.9 13.5 20.3

Manual Integrations

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7/30/2018 11:43:05 AM



#4

Chloromethane

Concen: 9.59 ppbv

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL032318.D

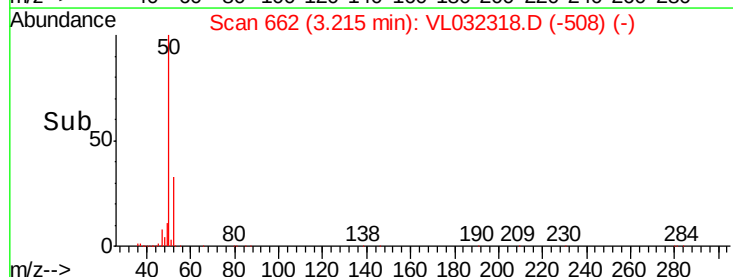
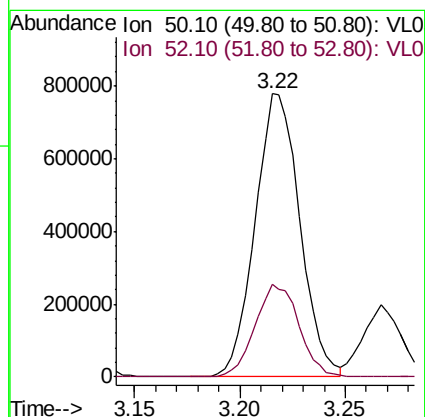
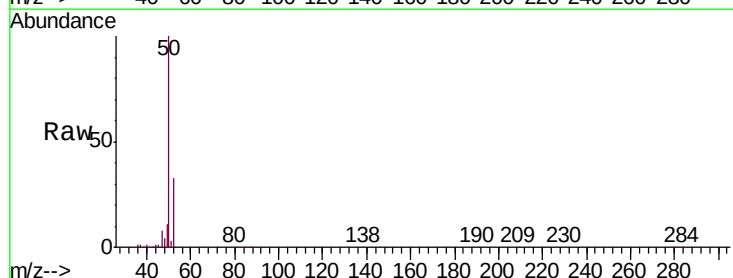
Acq: 27 Jul 2018 13:34

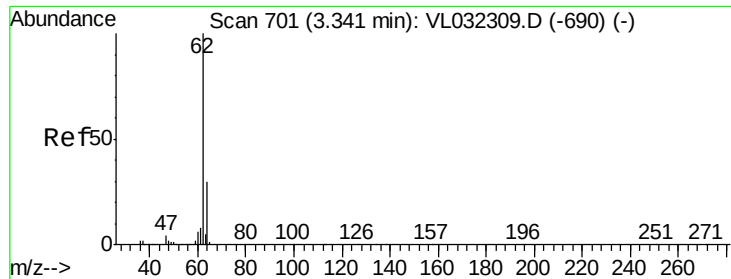
Tgt Ion: 50 Resp: 1147144

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4





#5

Vinyl Chloride

Concen: 9.60 ppbv

RT: 3.34 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 62 Resp: 1043758

Ion Ratio Lower Upper

62 100

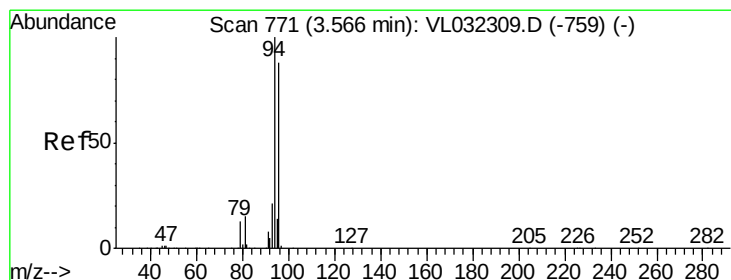
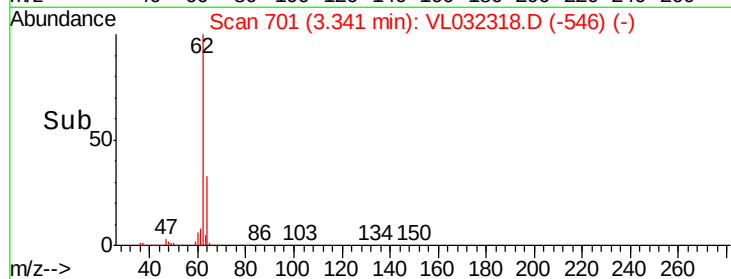
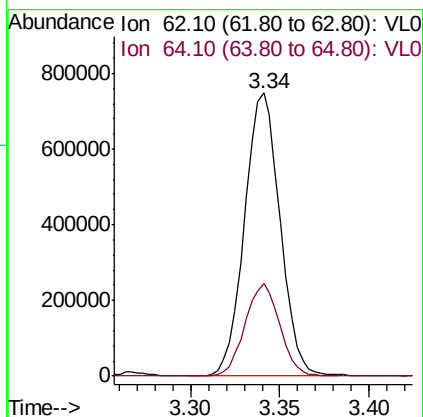
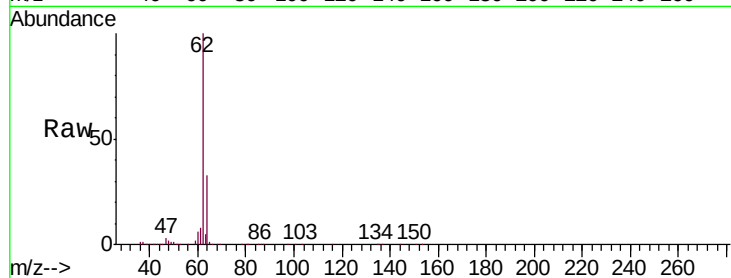
64 32.9 24.1 36.1

Manual Integrations

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7/30/2018 11:43:05 AM



#6

Bromomethane

Concen: 9.52 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL032318.D

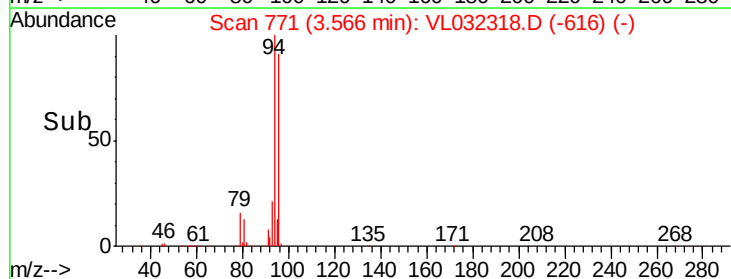
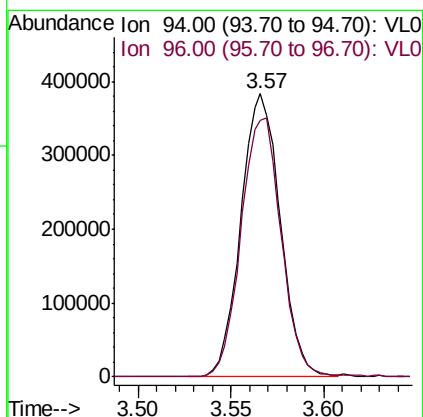
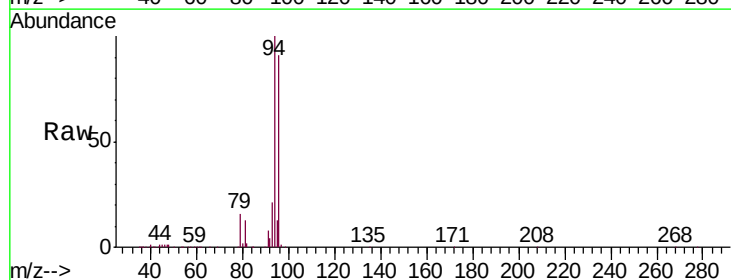
Acq: 27 Jul 2018 13:34

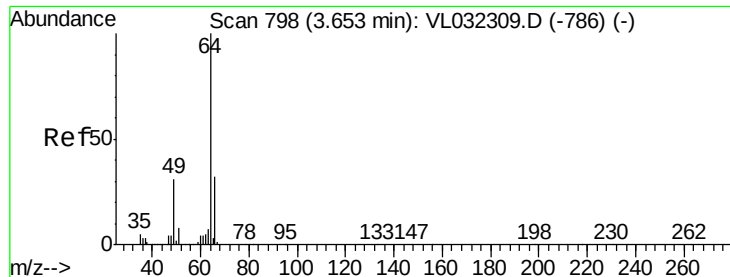
Tgt Ion: 94 Resp: 568358

Ion Ratio Lower Upper

94 100

96 90.6 70.2 105.4





#7

Chloroethane

Concen: 9.53 ppbv

RT: 3.66 min Scan# 799

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 64 Resp: 368374

Ion Ratio Lower Upper

64 100

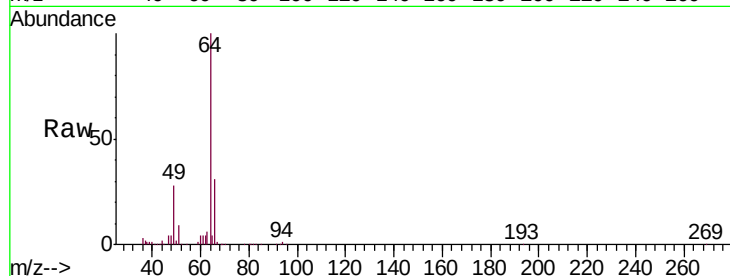
66 30.6 25.7 38.5

Manual Integrations

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7/30/2018 11:43:05 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

300000

250000

200000

150000

100000

50000

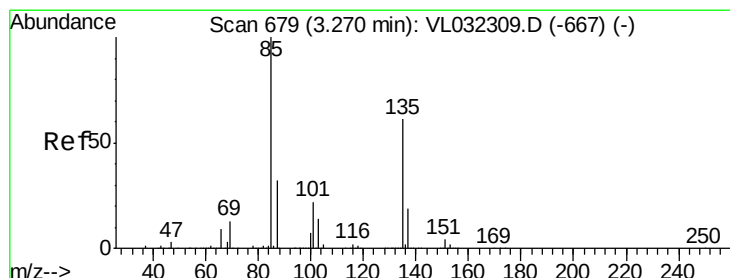
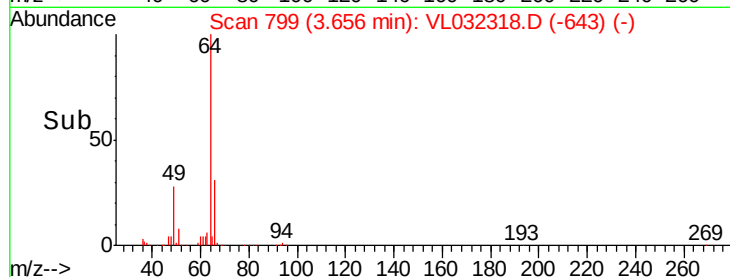
0

3.60

3.65

3.70

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.94 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032318.D

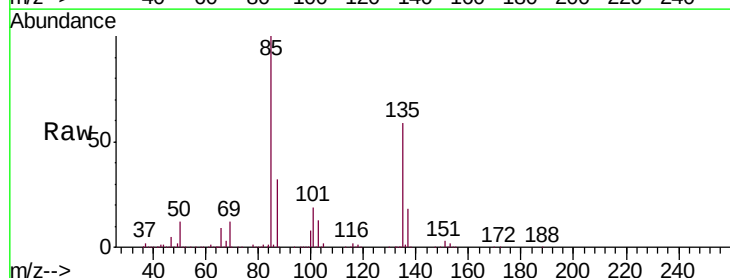
Acq: 27 Jul 2018 13:34

Tgt Ion: 85 Resp: 2150772

Ion Ratio Lower Upper

85 100

135 60.3 48.7 73.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

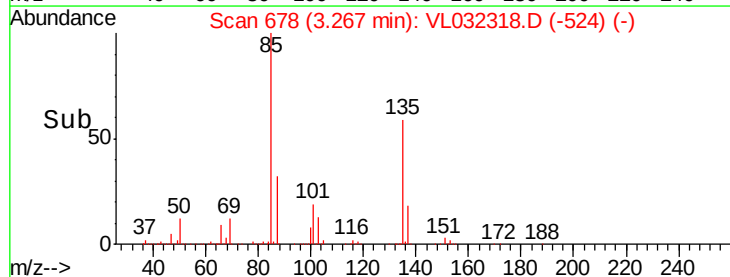
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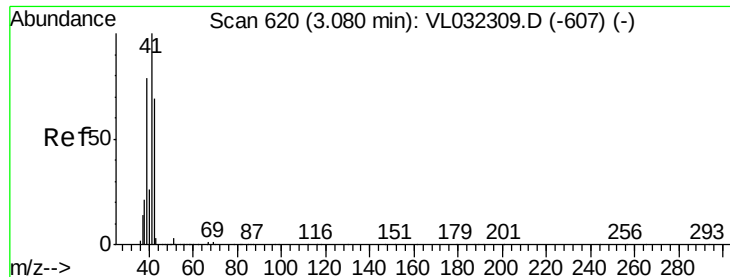
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 10.08 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 41 Resp: 895541

Ion Ratio Lower Upper

41 100

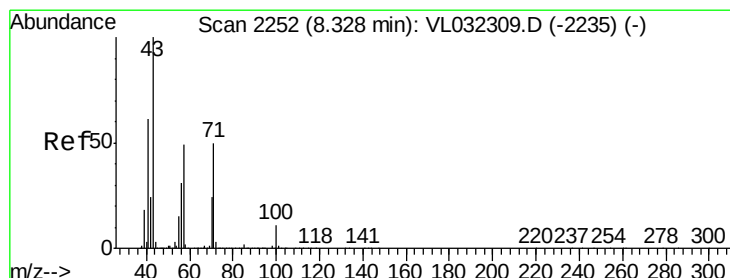
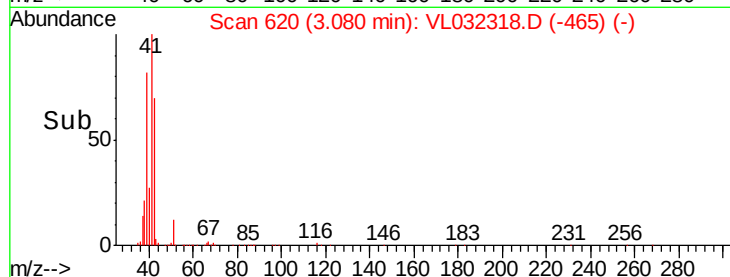
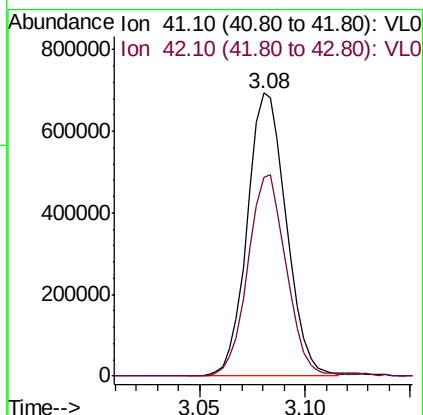
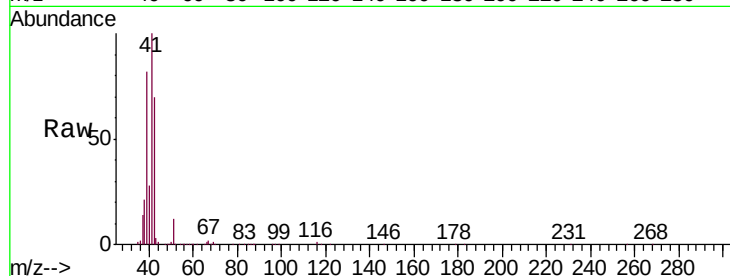
42 70.8 56.8 85.2

Manual Integrations

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7/30/2018 11:43:05 AM



#10

Heptane

Concen: 10.14 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032318.D

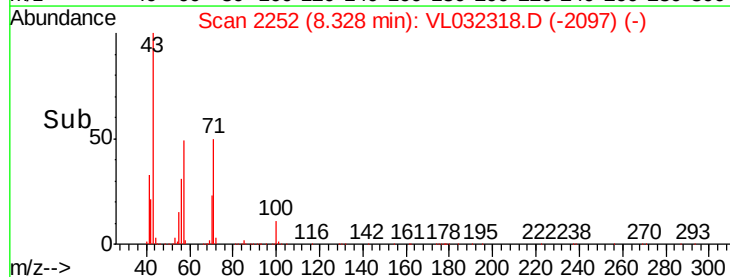
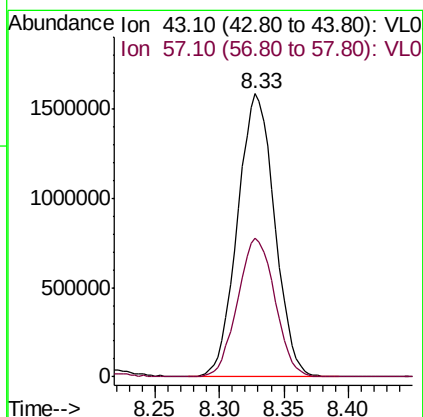
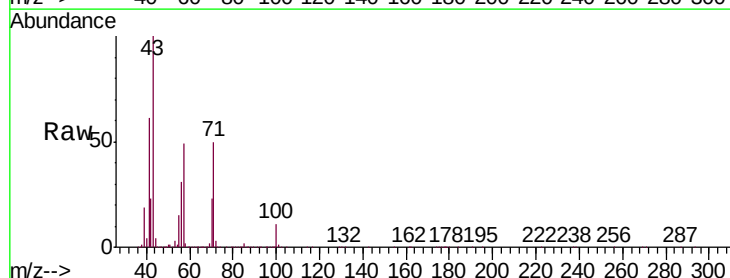
Acq: 27 Jul 2018 13:34

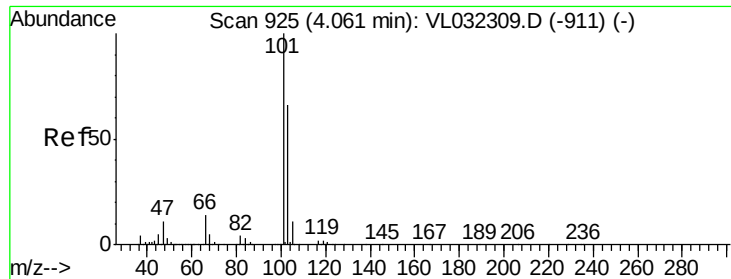
Tgt Ion: 43 Resp: 3162500

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.4





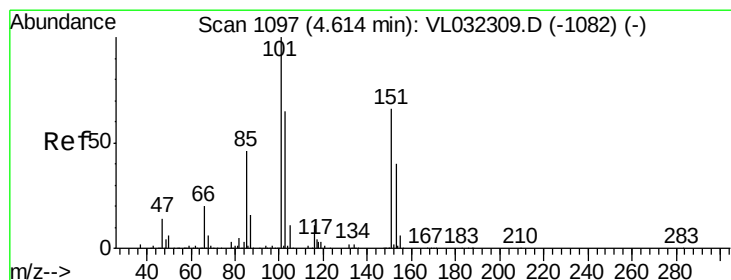
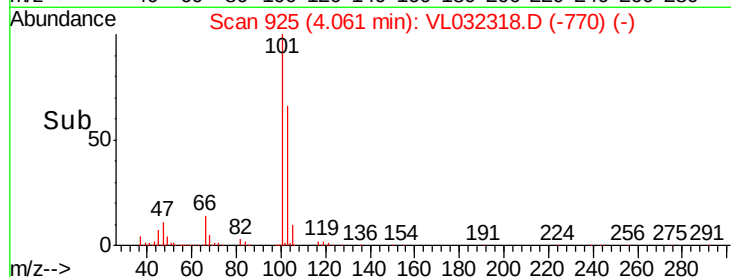
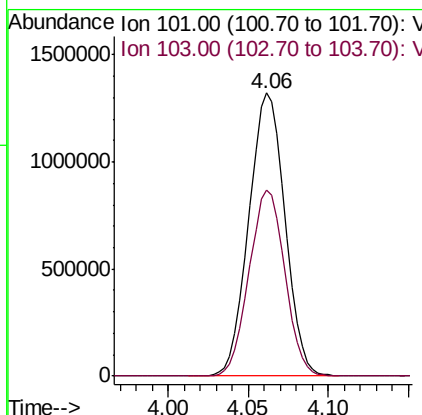
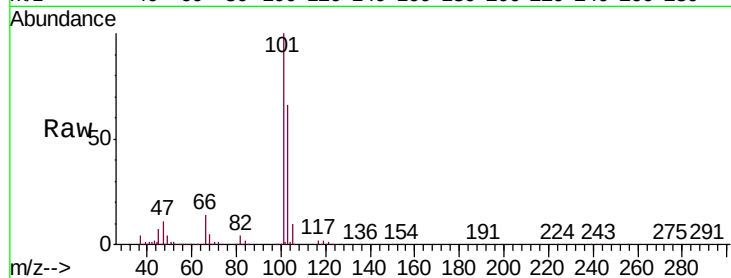
#11
 Trichlorofluoromethane
 Concen: 8.98 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion:101 Resp: 2043764
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

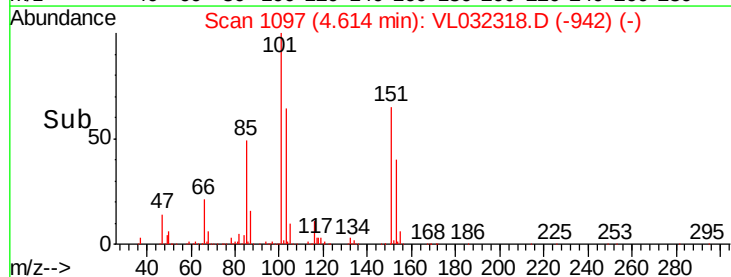
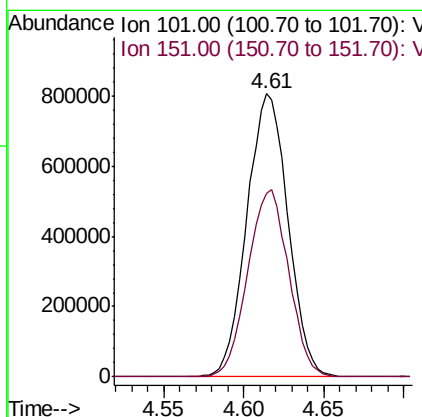
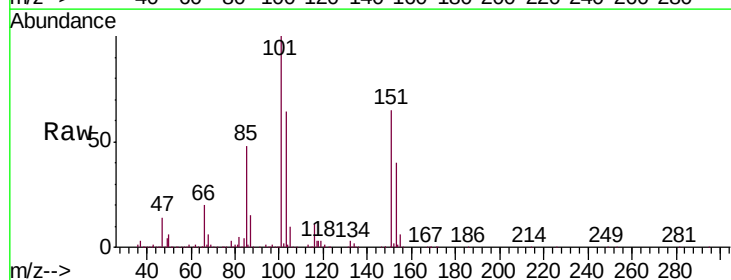
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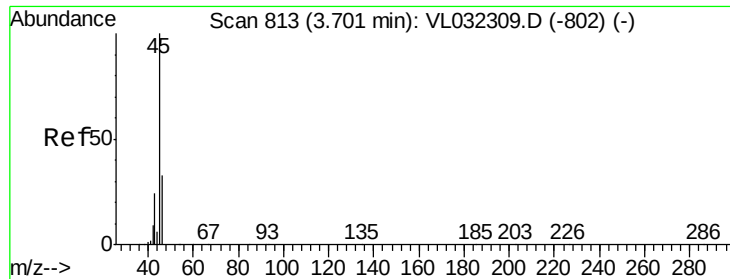
MMDadoda
 7/30/2018 11:43:05 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.13 ppbv
 RT: 4.61 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion:101 Resp: 1418096
 Ion Ratio Lower Upper
 101 100
 151 65.9 52.4 78.6





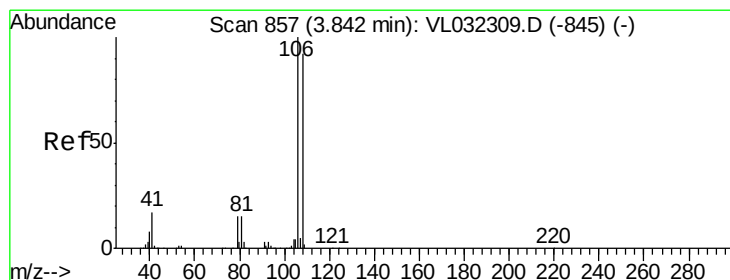
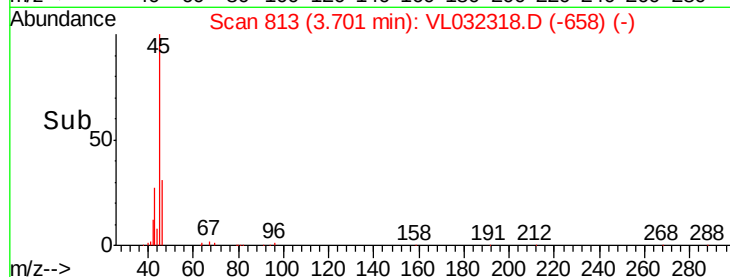
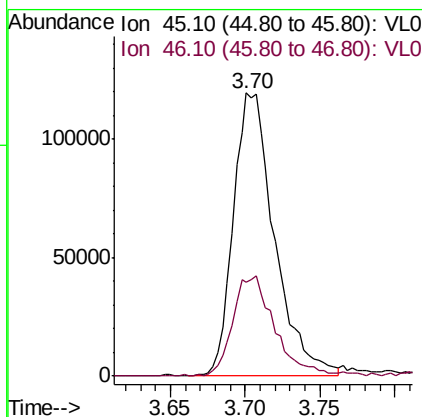
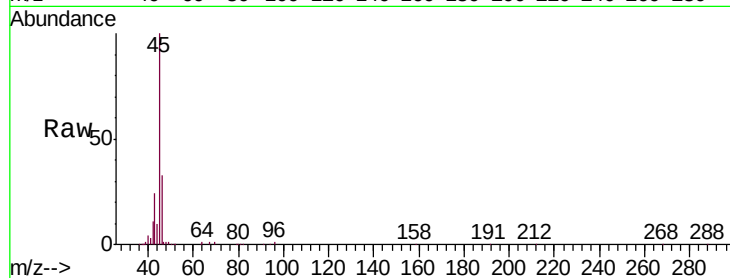
#13
Ethanol
Concen: 8.92 ppbv
RT: 3.70 min Scan# 813
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	45	46	Ratio	Lower	Upper
227733	100	36.9		15.2	60.6

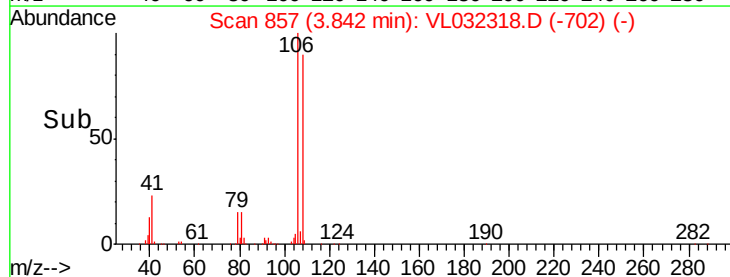
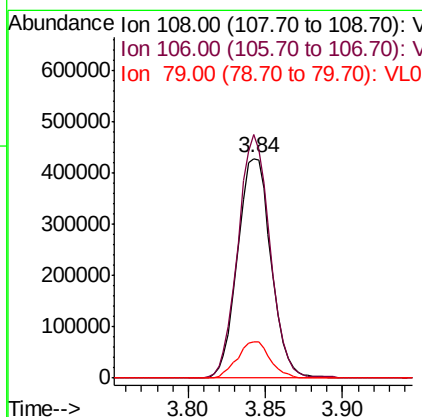
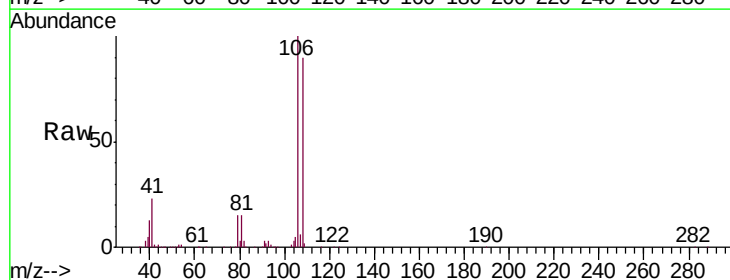
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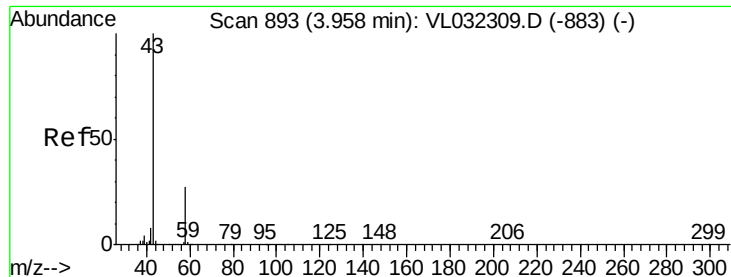
MMDadoda
7/30/2018 11:43:05 AM



#14
Bromoethene
Concen: 9.48 ppbv
RT: 3.84 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	108	106	79	Ratio	Lower	Upper
646398	100	106.5	16.6		86.0	129.0
					12.8	19.2





#15

Acetone

Concen: 9.17 ppbv

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 43 Resp: 1707510

Ion Ratio Lower Upper

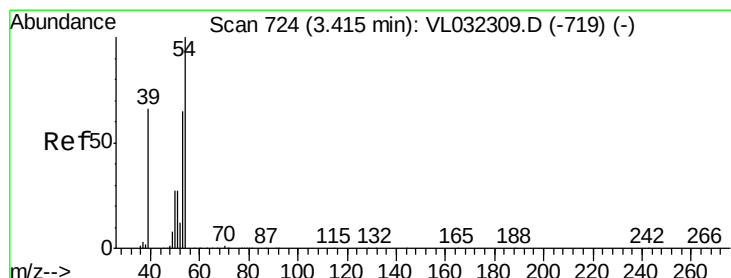
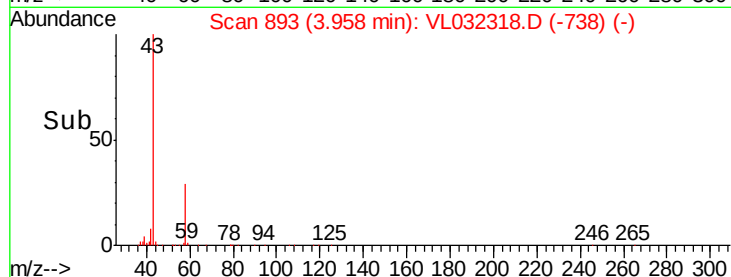
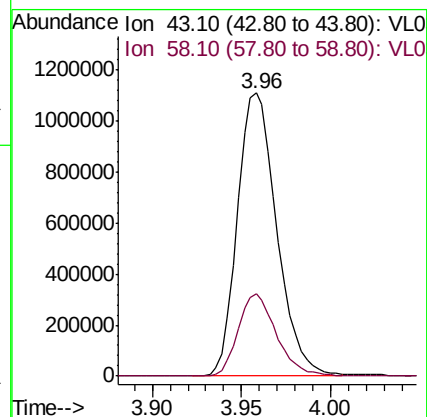
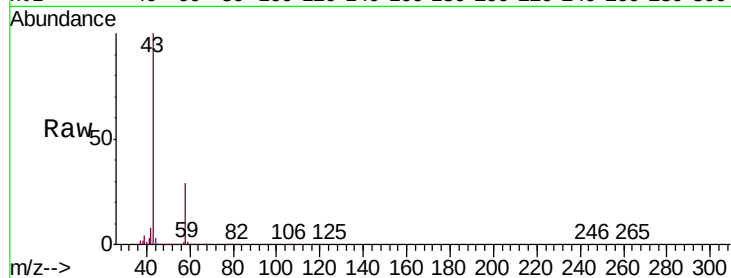
43 100

58 28.3 22.5 33.7

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7/30/2018 11:43:05 AM



#16

1,3-Butadiene

Concen: 9.44 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032318.D

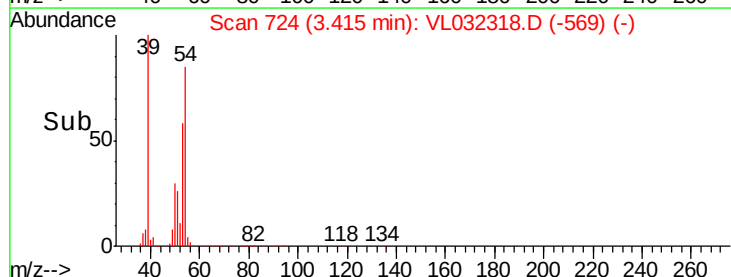
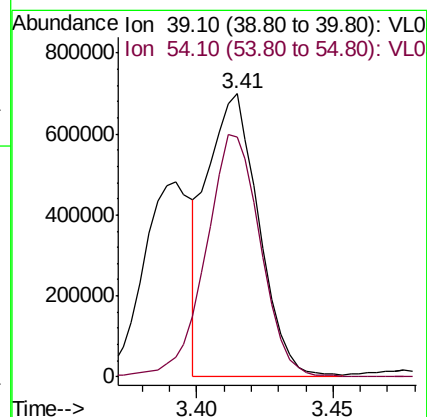
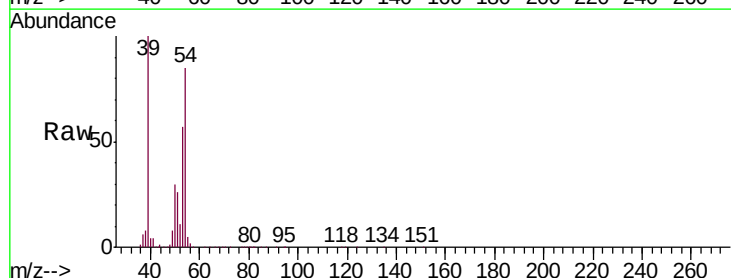
Acq: 27 Jul 2018 13:34

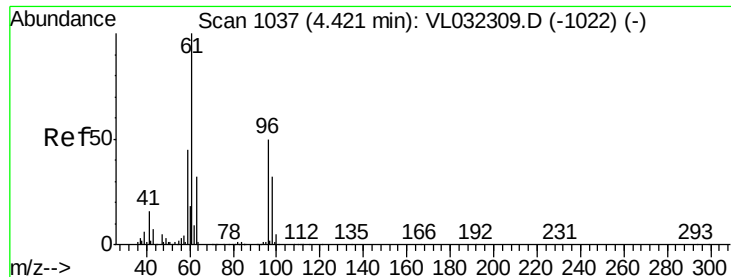
Tgt Ion: 39 Resp: 911704

Ion Ratio Lower Upper

39 100

54 91.5 74.3 111.5





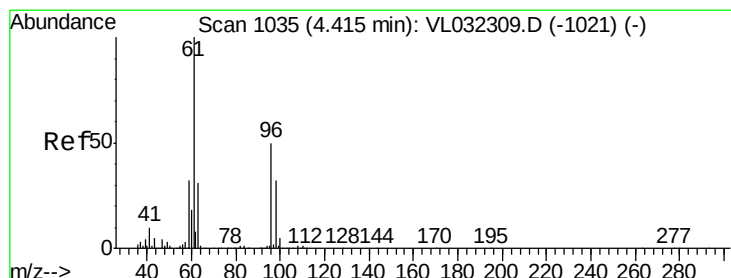
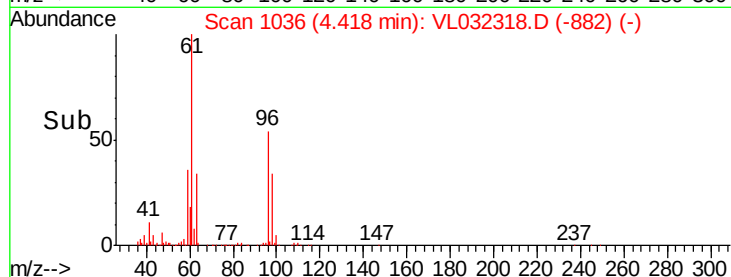
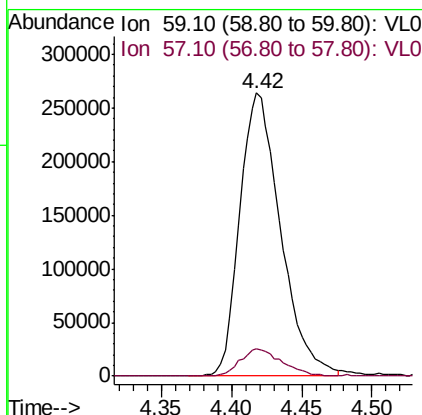
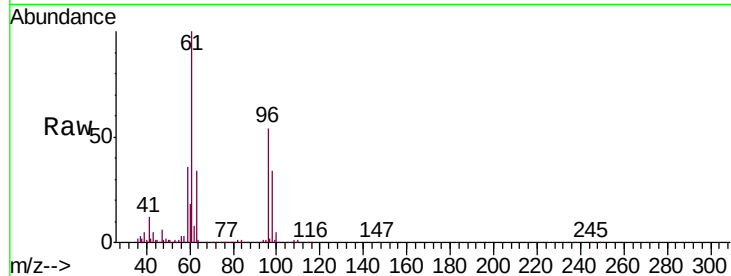
#17
 tert-Butyl alcohol
 Concen: 9.04 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

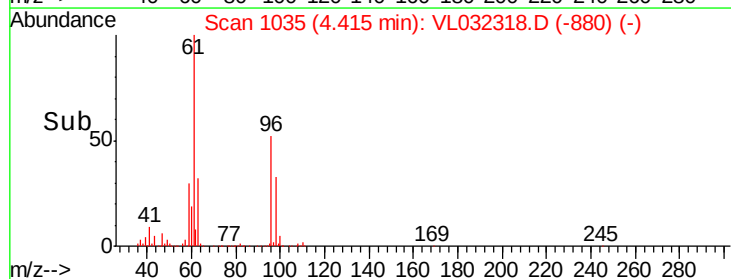
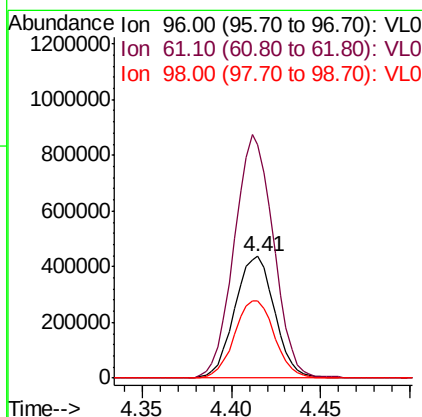
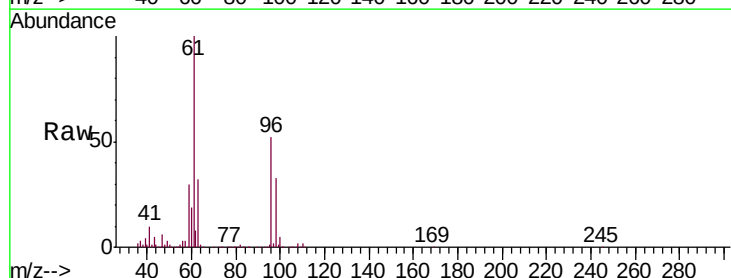
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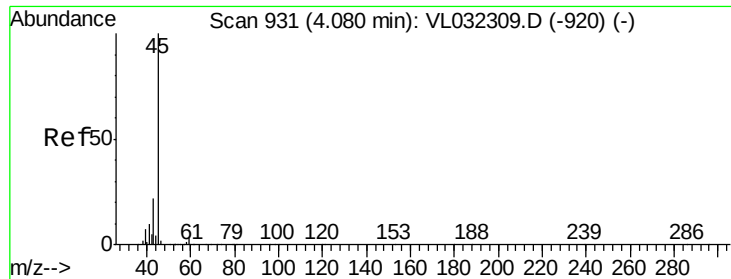
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#18
 1,1-Dichloroethene
 Concen: 9.40 ppbv
 RT: 4.41 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.2	159.0	238.4
98	63.8	51.1	76.7





#19

Isopropyl Alcohol

Concen: 10.22 ppbv

RT: 4.08 min Scan# 931

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 45 Resp: 1269583

Ion Ratio Lower Upper

45 100

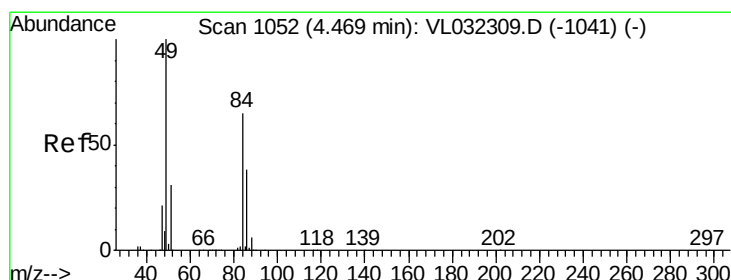
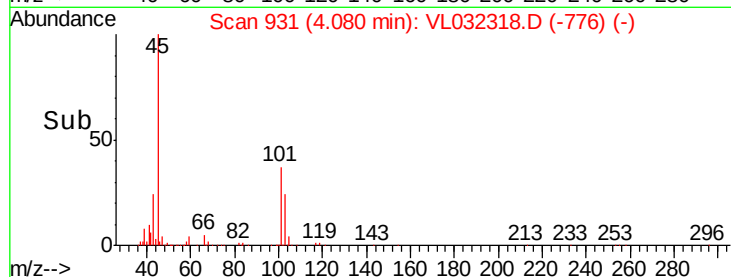
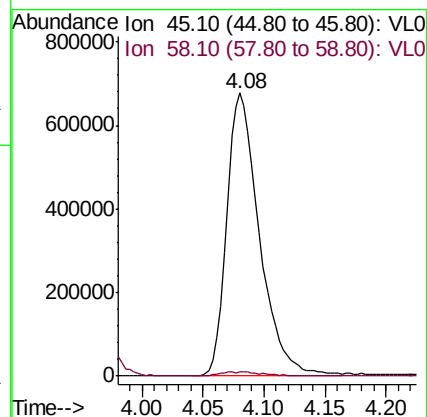
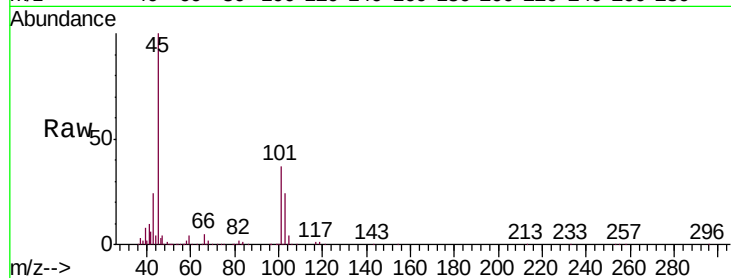
58 2.2 1.5 2.3

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7/30/2018 11:43:05 AM



#20

Methylene Chloride

Concen: 8.22 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion: 84 Resp: 615548

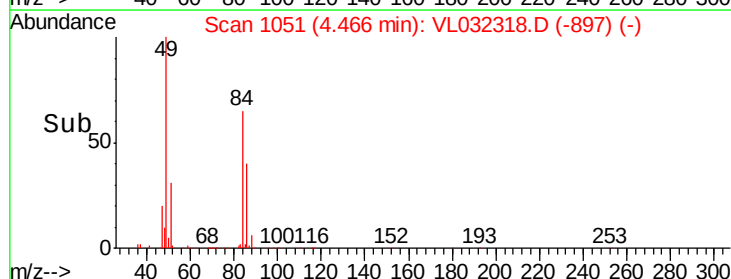
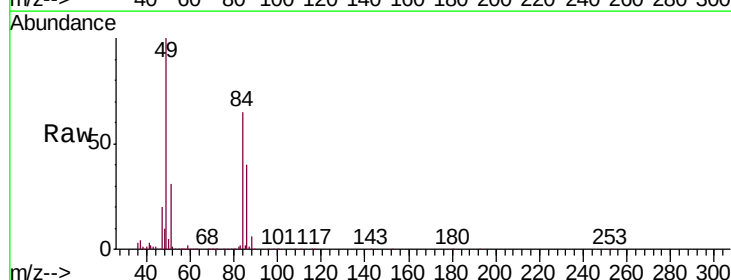
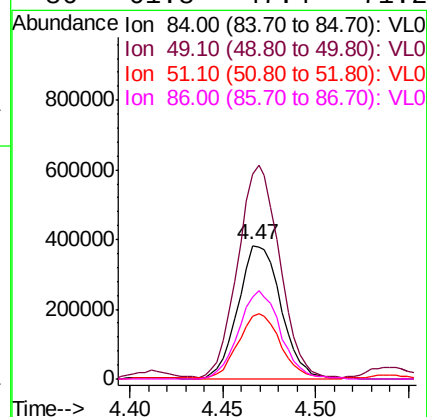
Ion Ratio Lower Upper

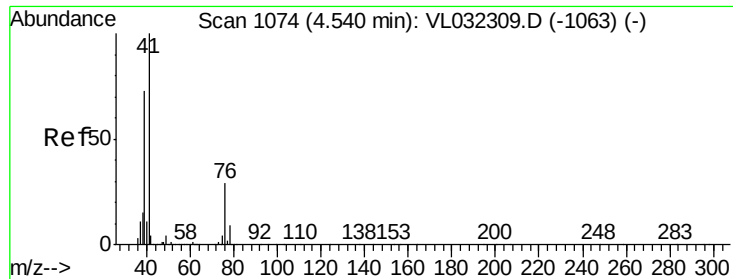
84 100

49 152.4 123.4 185.0

51 46.4 38.2 57.2

86 61.8 47.4 71.2





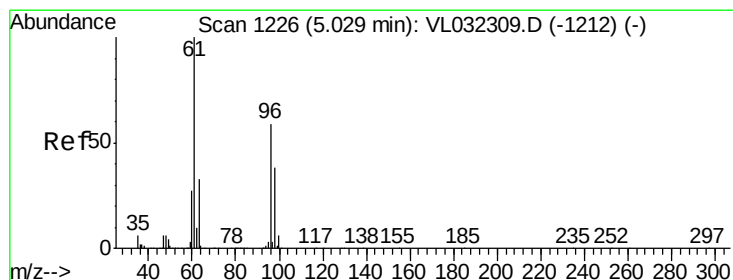
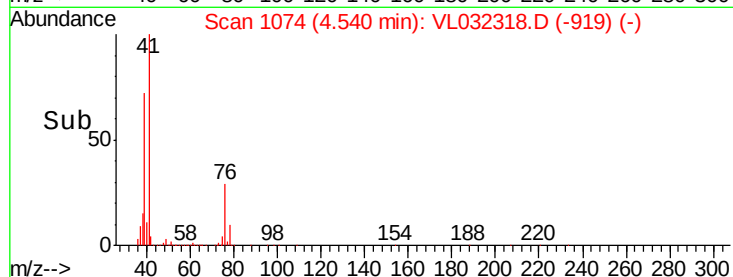
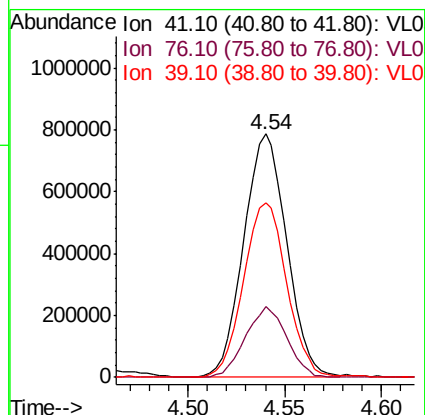
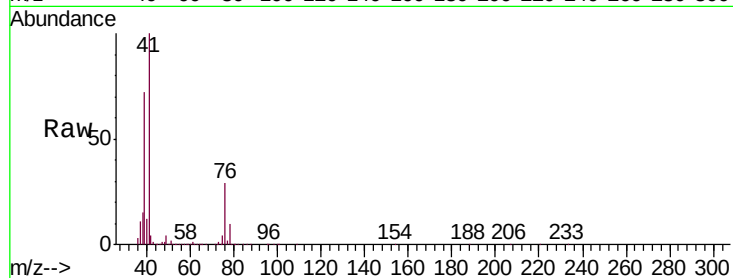
#21
Allvl Chloride
Concen: 9.57 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion: 41 Resp: 1215133
Ion Ratio Lower Upper
41 100
76 28.2 23.1 34.7
39 72.2 58.2 87.2

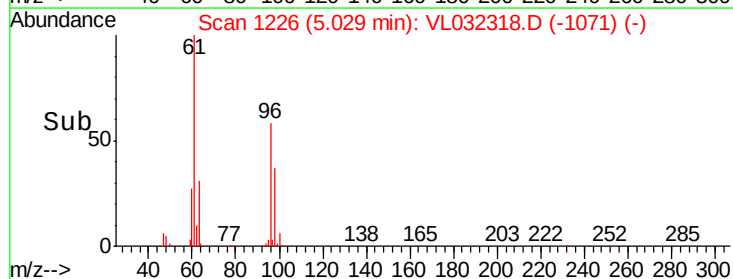
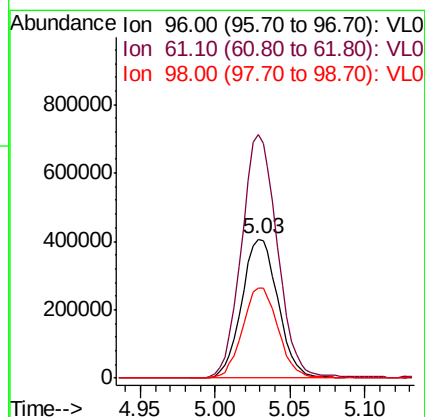
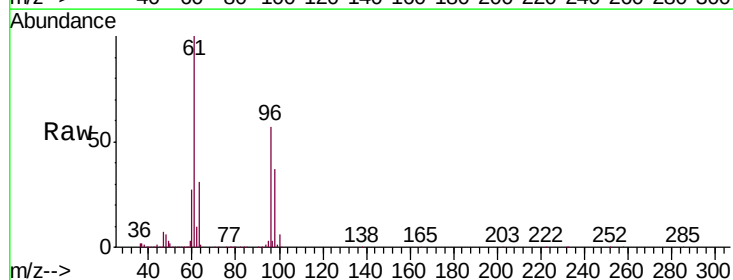
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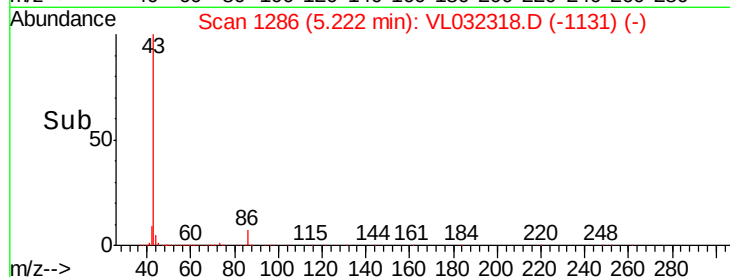
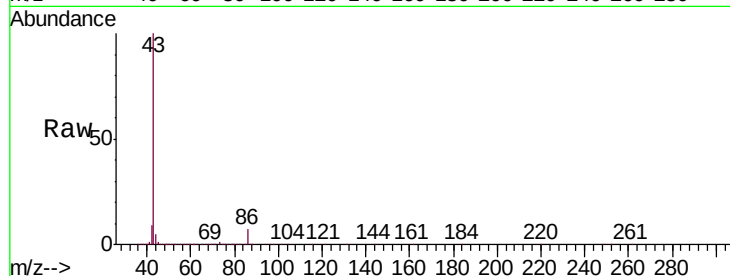
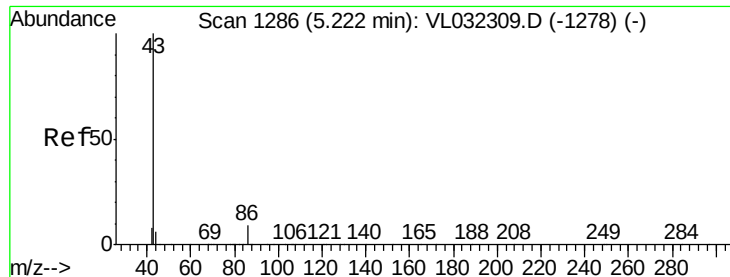
MMDadoda
7/30/2018 11:43:05 AM



#22
trans-1,2-Dichloroethene
Concen: 9.92 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

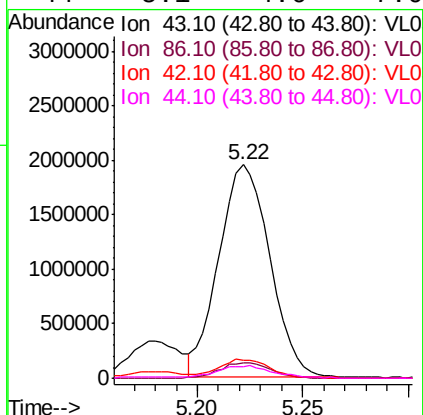
Tgt Ion: 96 Resp: 689461
Ion Ratio Lower Upper
96 100
61 174.9 136.5 204.7
98 64.9 51.3 76.9





#23
 Vinyl Acetate
 Concen: 9.83 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

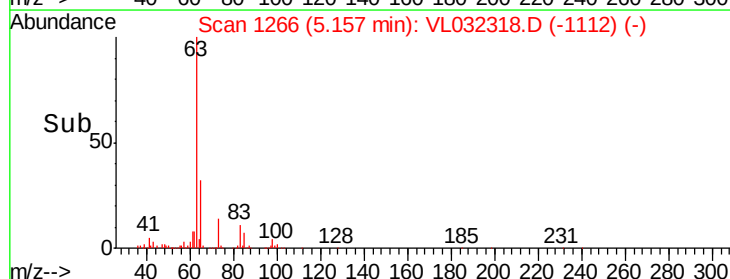
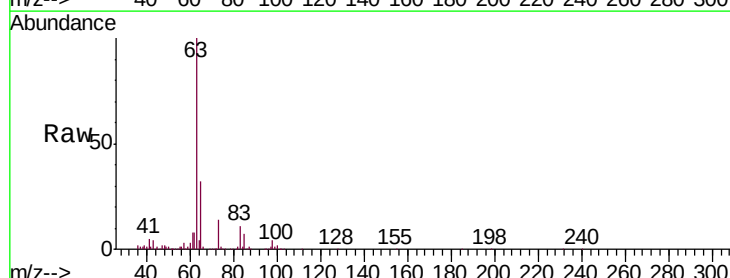
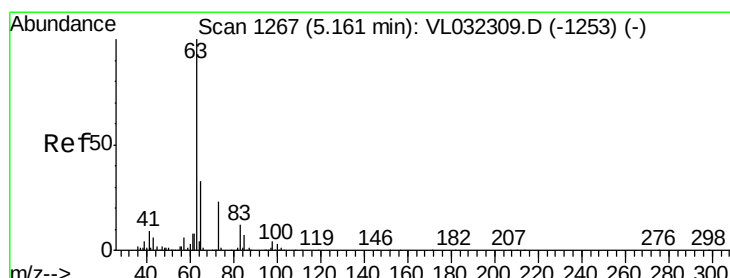
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.2	6.3	9.5	
42	8.5	7.0	10.4	
44	5.1	4.6	7.0	



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

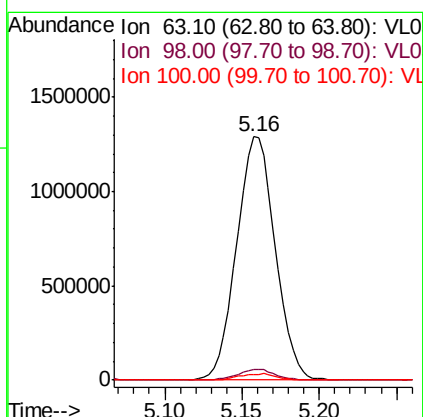
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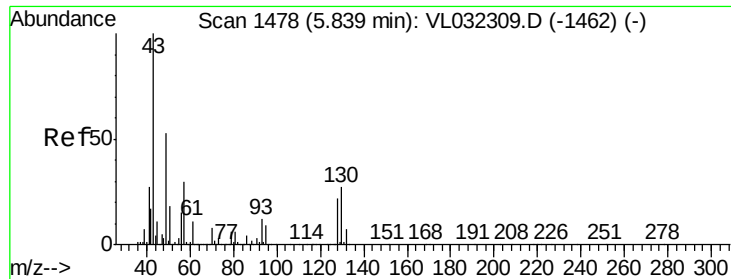
MMDadoda
 7/30/2018 11:43:05 AM



#24
 1,1-Dichloroethane
 Concen: 9.30 ppbv
 RT: 5.16 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.2	1.3	3.8	





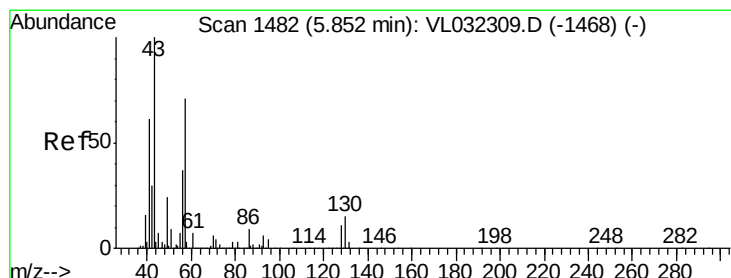
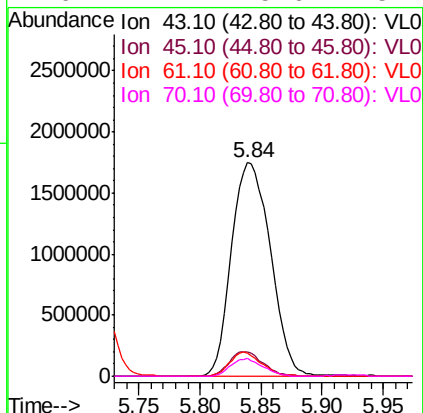
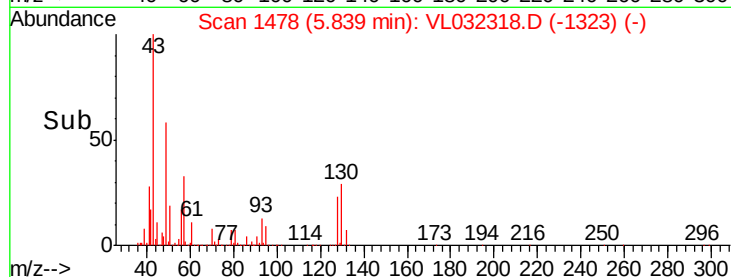
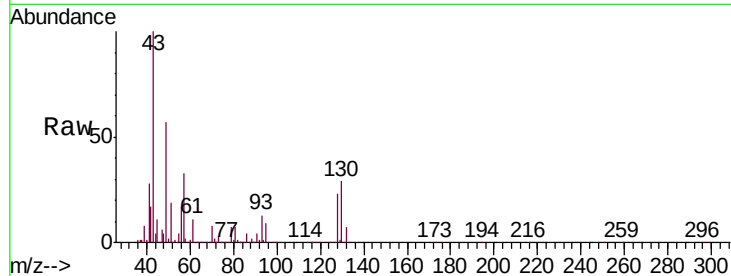
#25
Ethyl Acetate
Concen: 9.27 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleID :
VL0727ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.1	12.1	
61	9.3	7.4	11.0	
70	7.1	5.6	8.4	

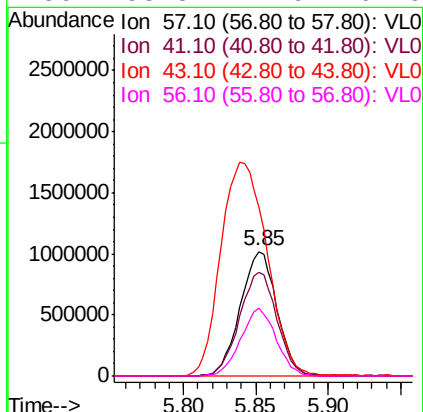
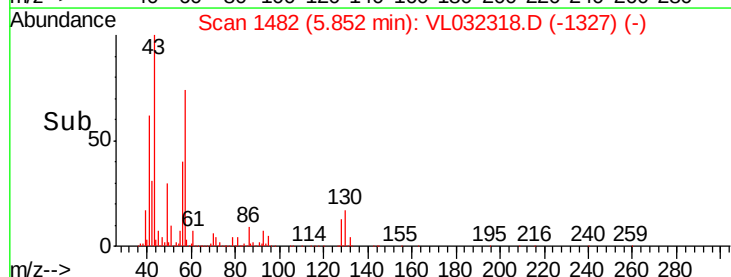
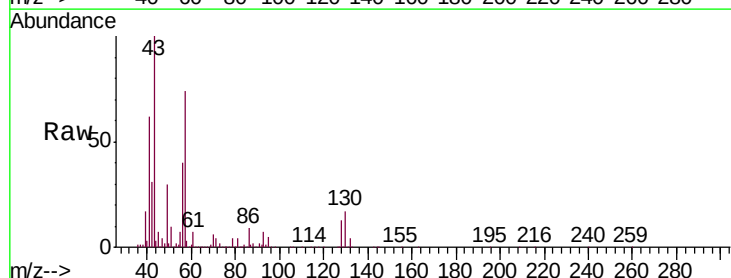
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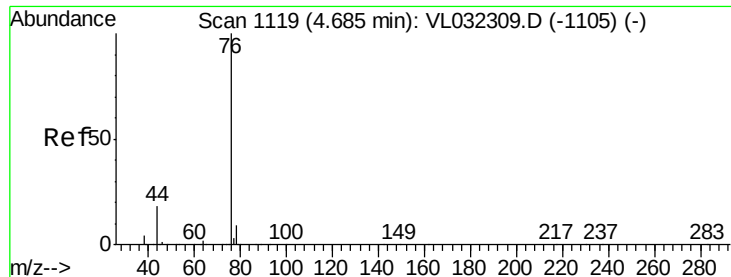
MMDadoda
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#26
Hexane
Concen: 9.43 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.8	68.1	102.1	
43	217.9	177.4	266.2	
56	53.3	41.9	62.9	





#27

Carbon Disulfide

Concen: 10.26 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

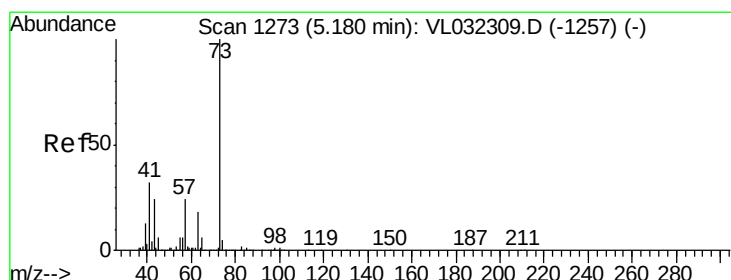
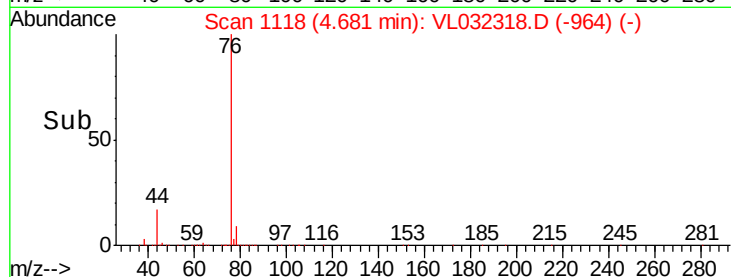
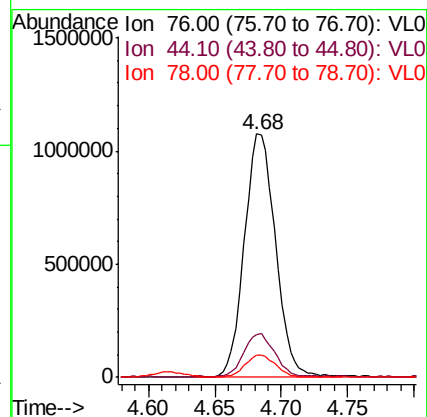
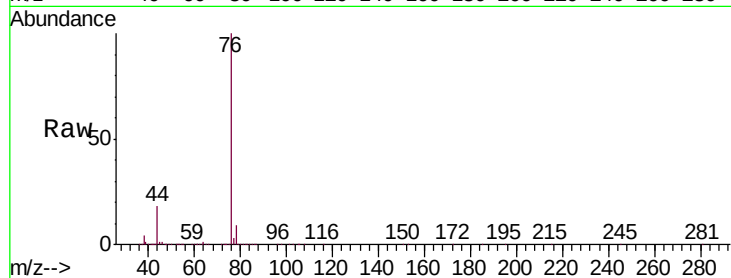
ClientSampleId :

VL0727ABS01

Tot Ion:	76	Resp:	1764445
Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.0	21.0
78	9.1	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 10.09 ppbv

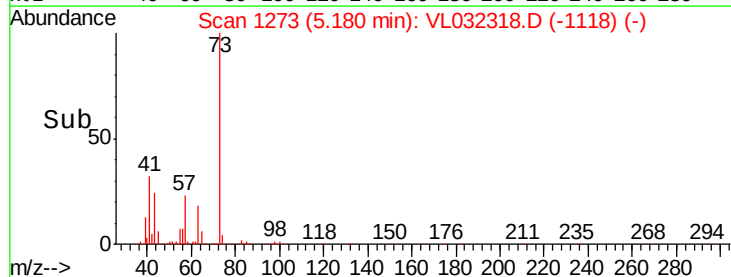
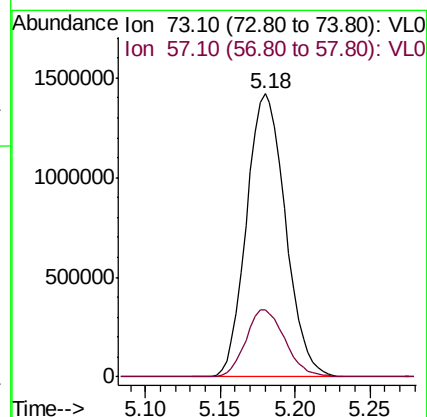
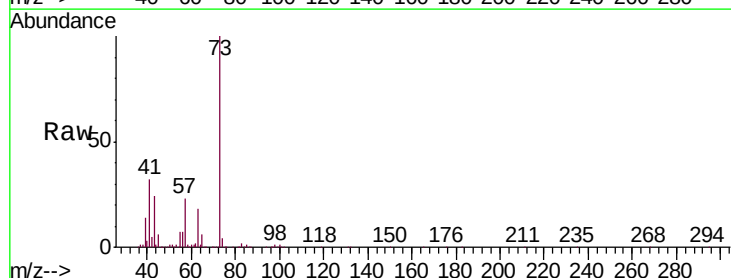
RT: 5.18 min Scan# 1273

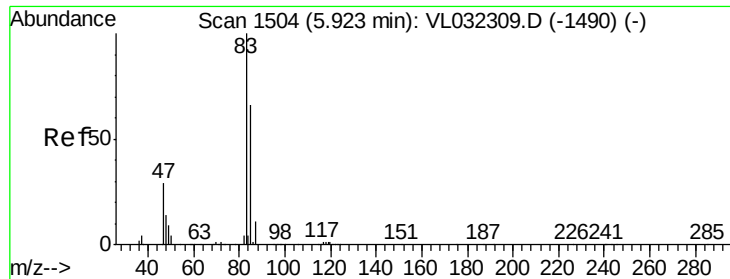
Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion:	73	Resp:	2579971
Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.4	29.0





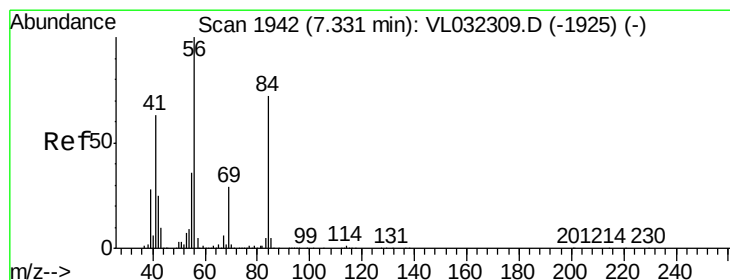
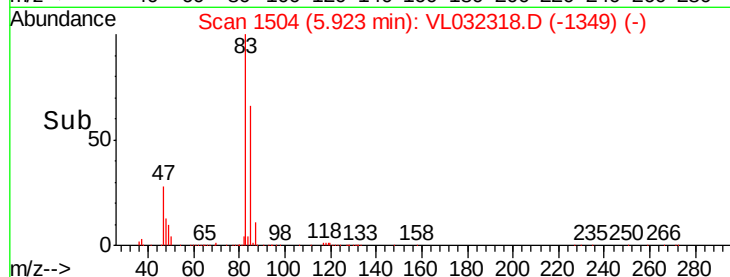
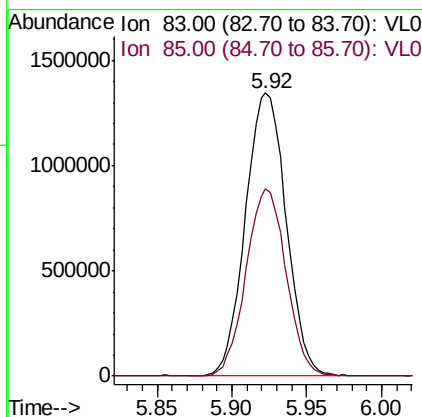
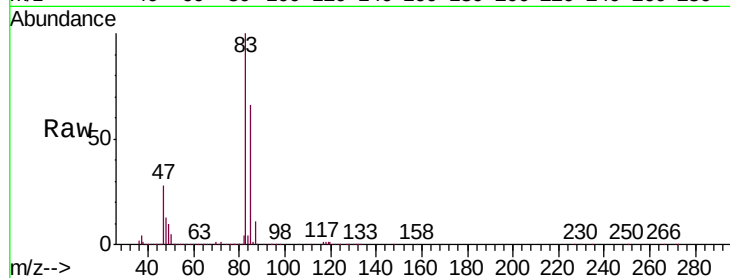
#29
Chloroform
Concen: 9.28 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion: 83 Resp: 2553564
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3

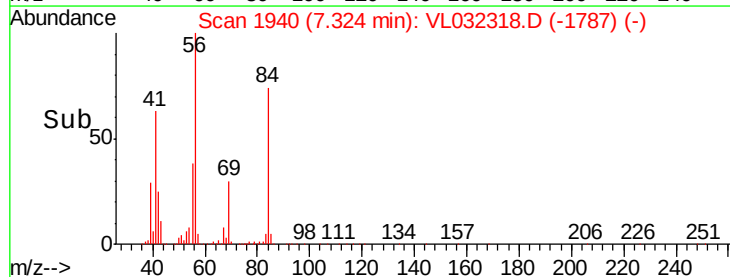
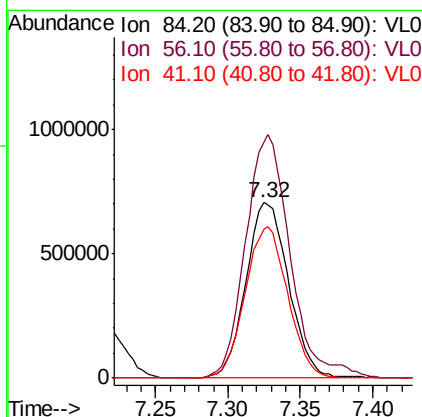
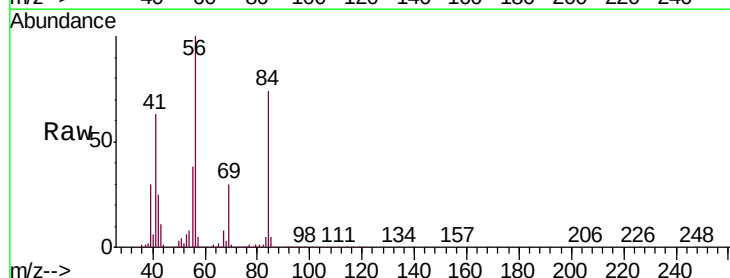
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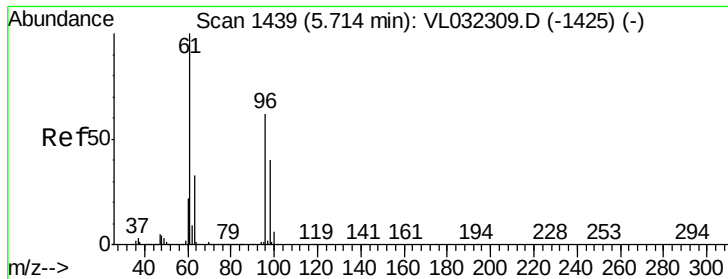
MMDadoda
7/30/2018 11:43:05 AM



#30
Cyclohexane
Concen: 9.75 ppbv
RT: 7.32 min Scan# 1940
Delta R.T. -0.01 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 84 Resp: 1439014
Ion Ratio Lower Upper
84 100
56 146.2 116.8 175.2
41 86.7 70.0 105.0





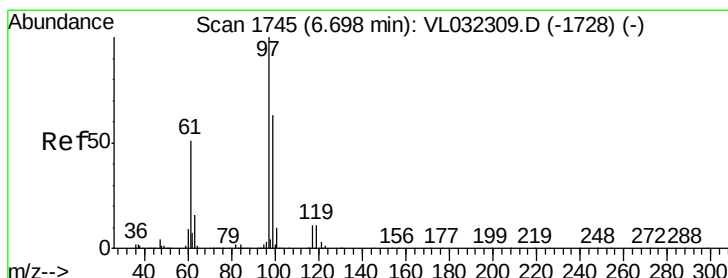
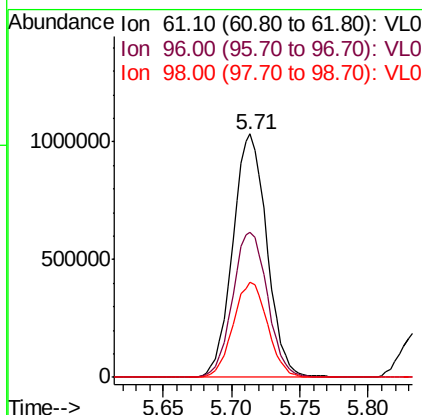
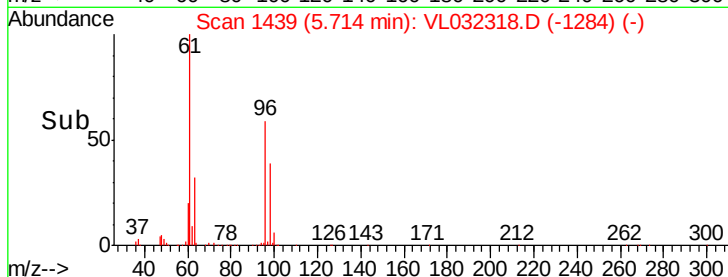
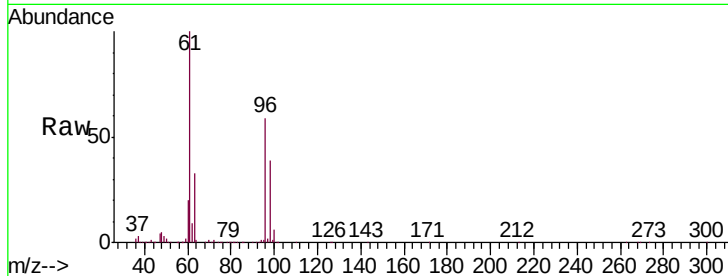
#31
 cis-1,2-Dichloroethene
 Concen: 10.22 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	49.8	74.6
98	38.9	31.8	47.6

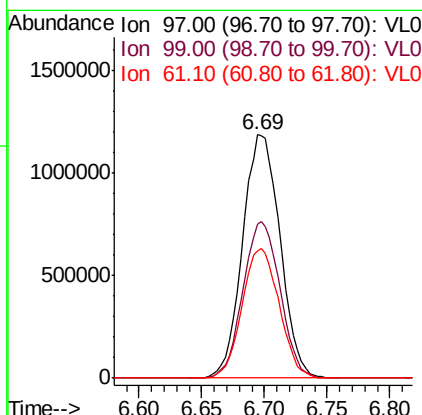
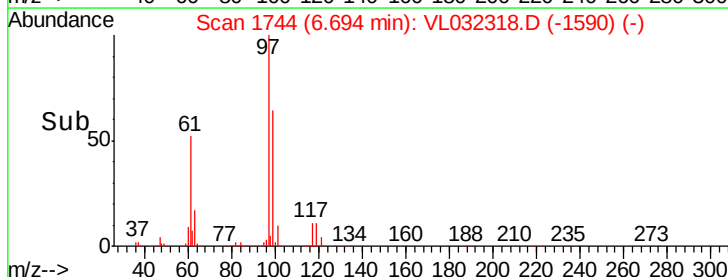
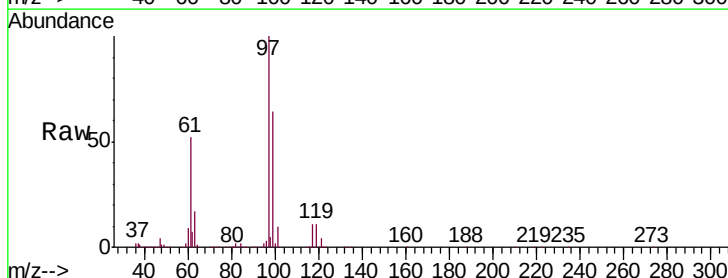
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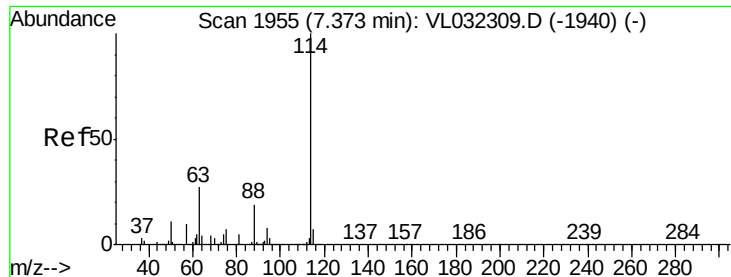
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#32
 1,1,1-Trichloroethane
 Concen: 10.12 ppbv
 RT: 6.69 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	53.0	41.8	62.6





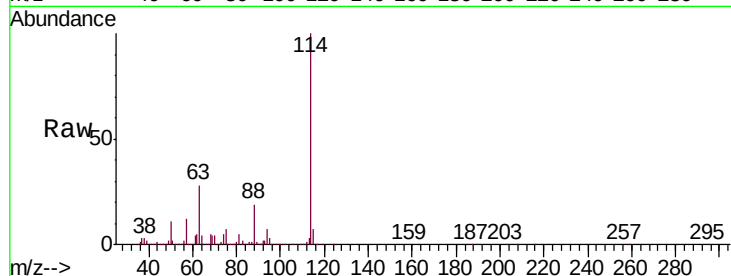
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

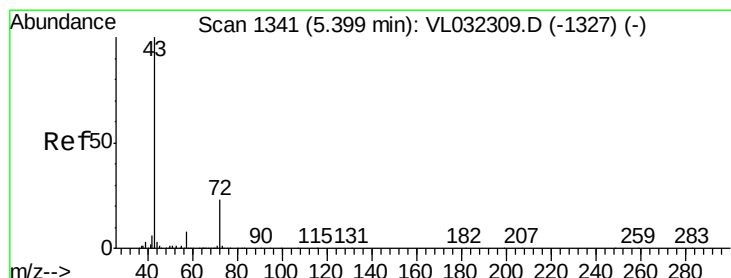
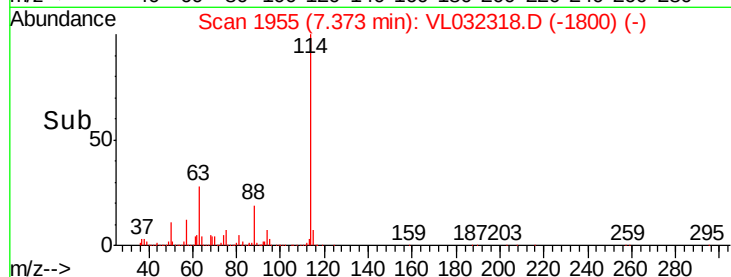
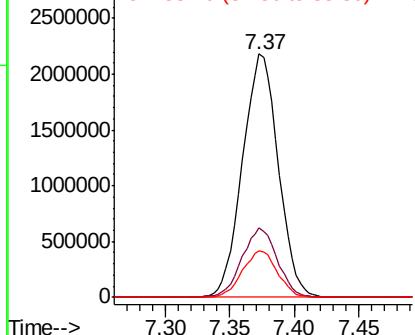
Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	18.9	15.3	22.9

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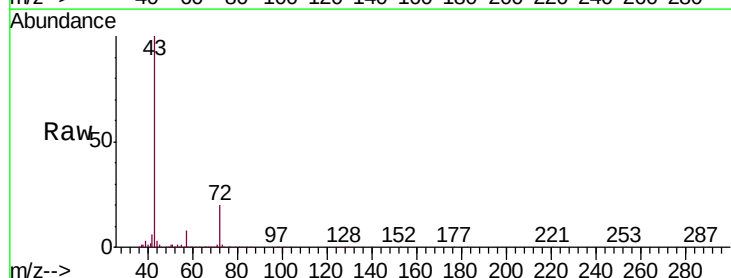


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

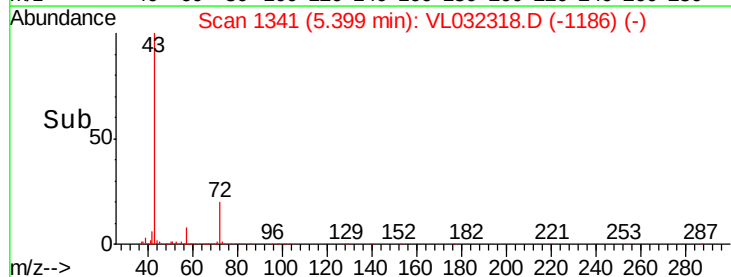
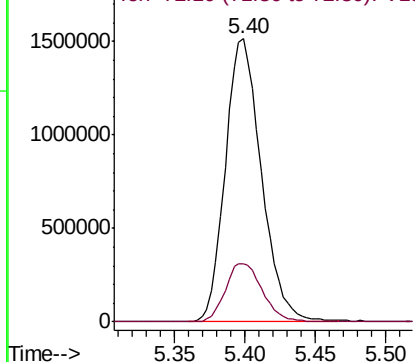


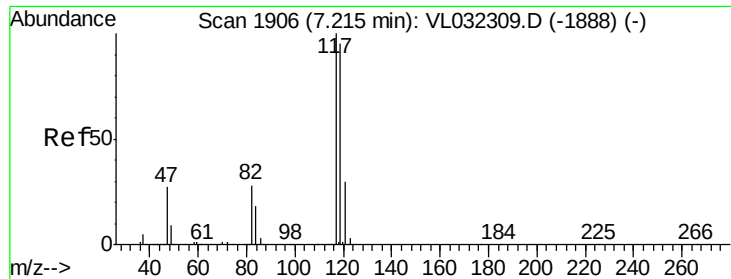
#34
 2-Butanone
 Concen: 9.88 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.2



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





#35

Carbon Tetrachloride

Concen: 10.36 ppbv

RT: 7.21 min Scan# 1905

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion:117 Resp: 2476912

Ion Ratio Lower Upper

117 100

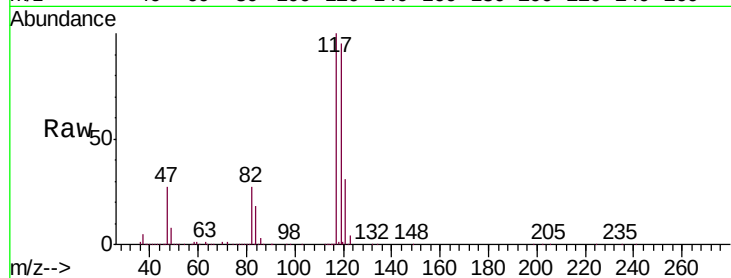
119 94.9 76.1 114.1

121 30.9 24.4 36.6

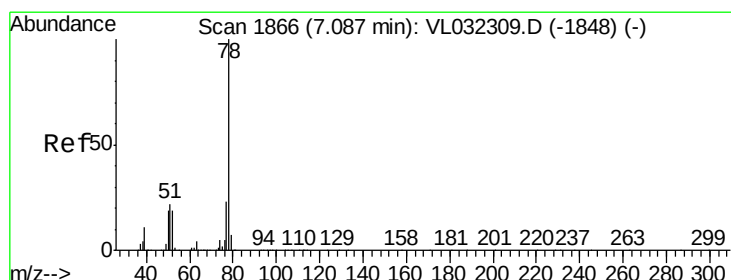
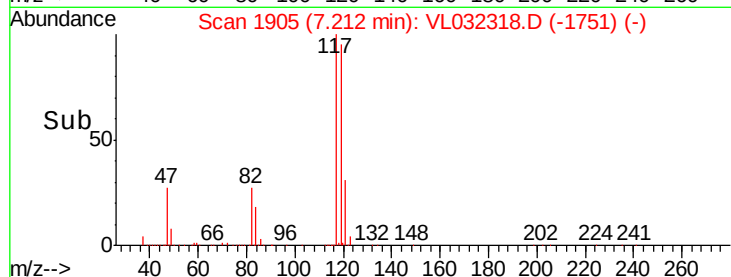
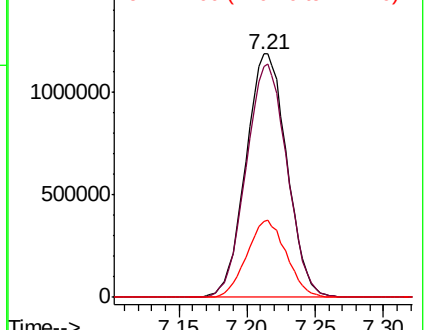
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.07 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

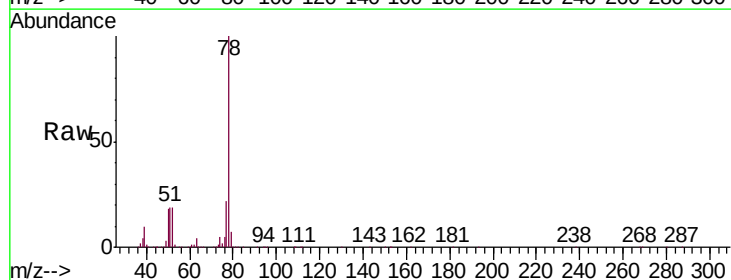
Tgt Ion: 78 Resp: 3738330

Ion Ratio Lower Upper

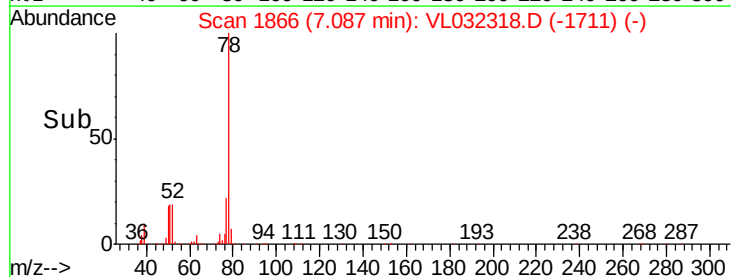
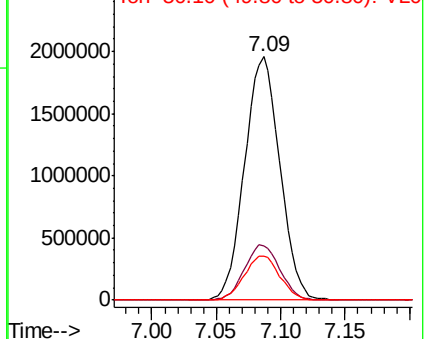
78 100

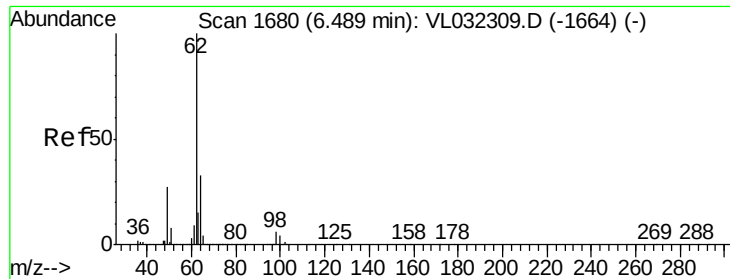
77 22.3 18.4 27.6

50 18.0 15.3 22.9



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: 9.40 ppbv

RT: 6.49 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 62 Resp: 2016370

Ion Ratio Lower Upper

62 100

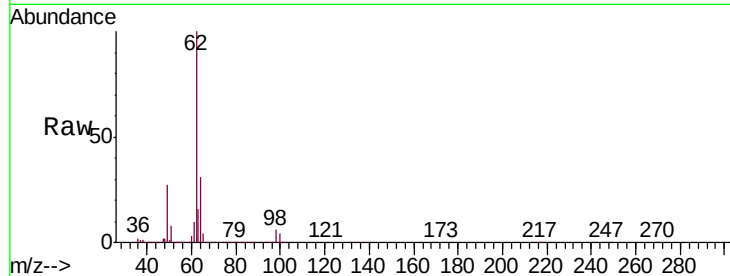
98 6.0 5.1 7.7

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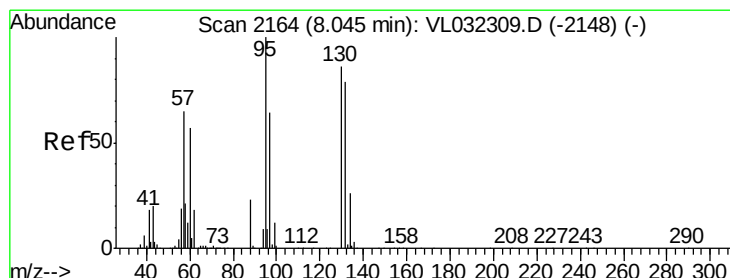
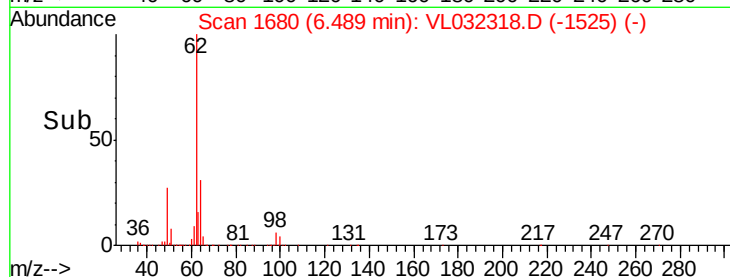
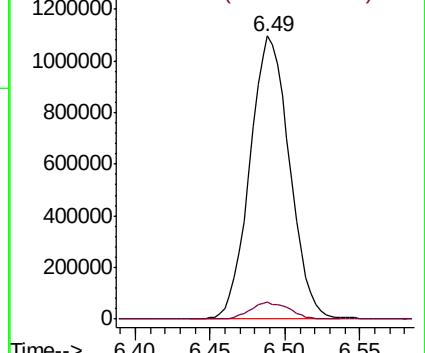
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.36 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion: 130 Resp: 1486248

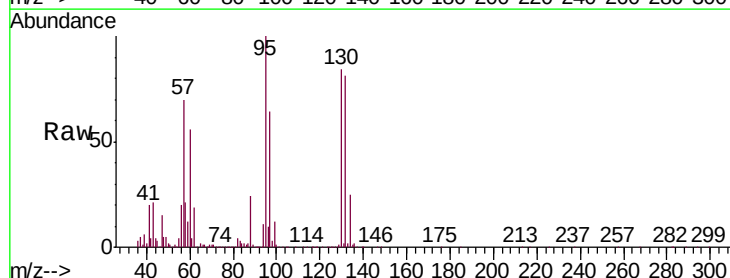
Ion Ratio Lower Upper

130 100

95 119.7 92.9 139.3

132 96.5 73.0 109.4

97 77.1 59.6 89.4

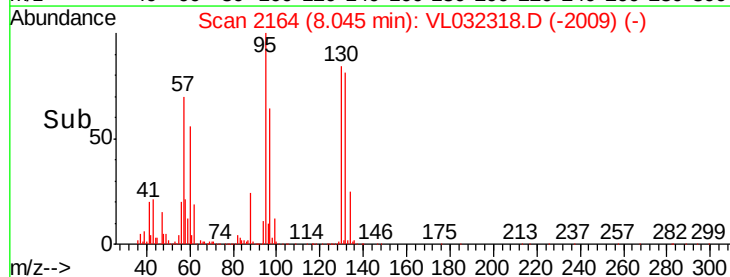
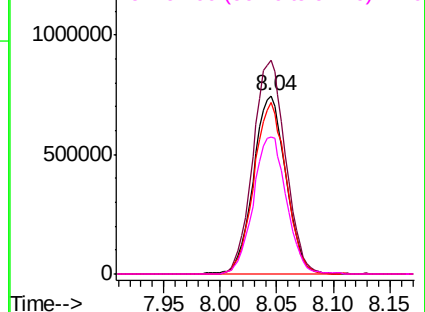


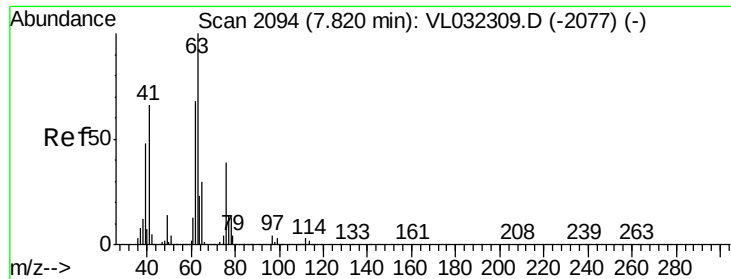
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.30 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 63 Resp: 1735914

Ion Ratio Lower Upper

63 100

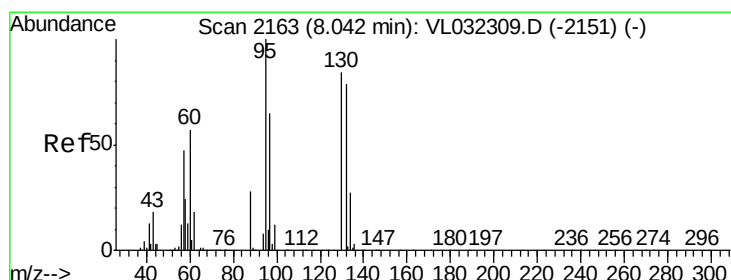
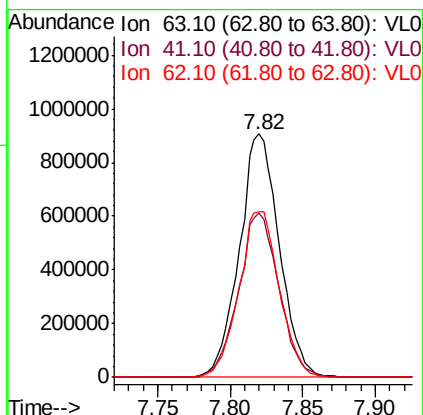
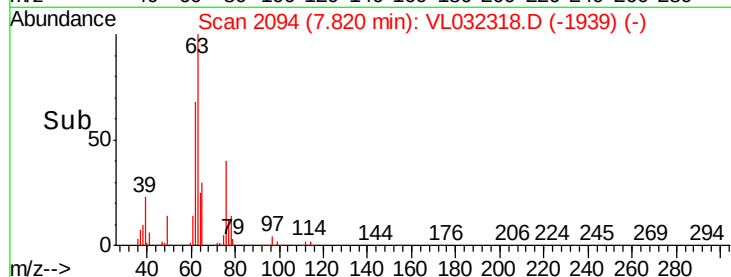
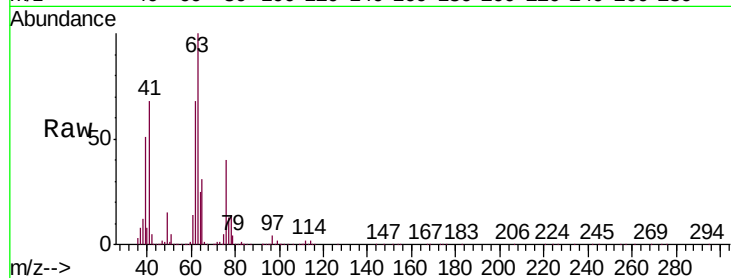
41 67.7 52.5 78.7

62 67.7 54.6 81.8

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#40

1,4-Dioxane

Concen: 10.38 ppbv

RT: 8.04 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion: 88 Resp: 569091

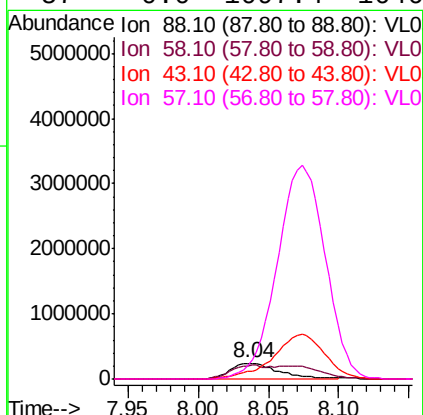
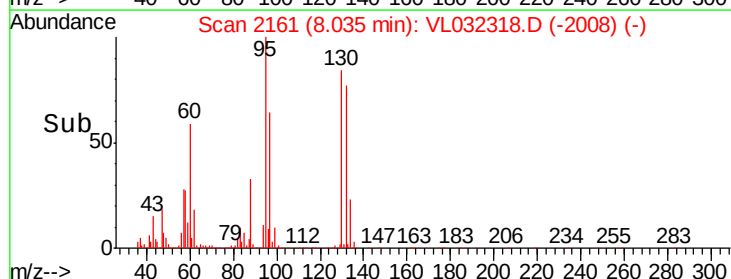
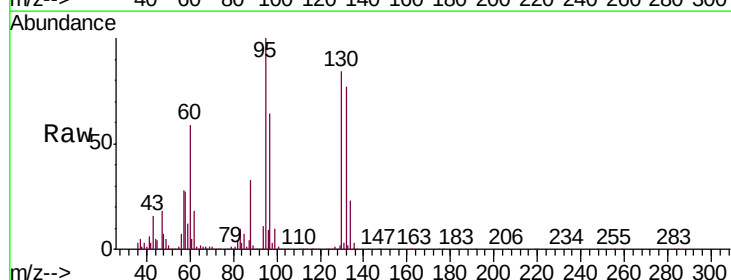
Ion Ratio Lower Upper

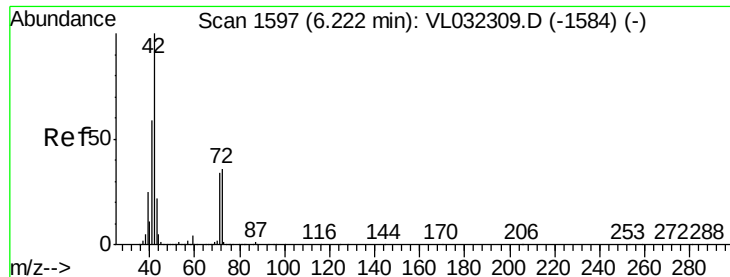
88 100

58 150.1 120.5 180.7

43 0.0 246.2 369.2#

57 0.0 1097.4 1646.2#





#41

Tetrahydrofuran

Concen: 10.17 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

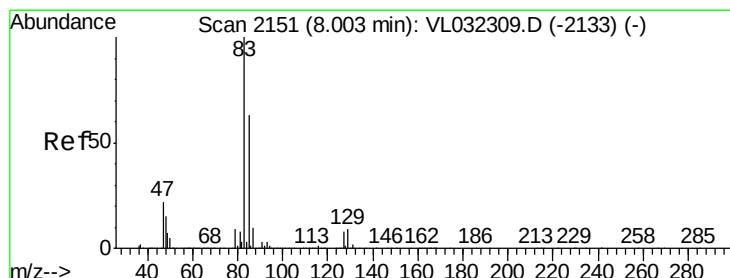
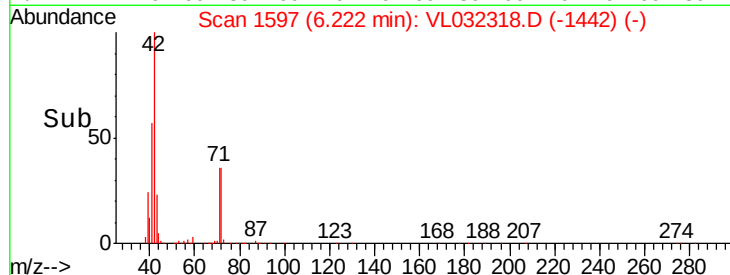
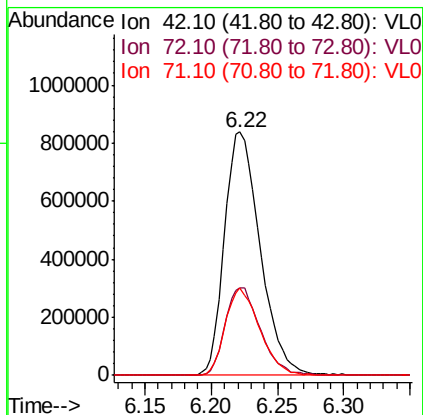
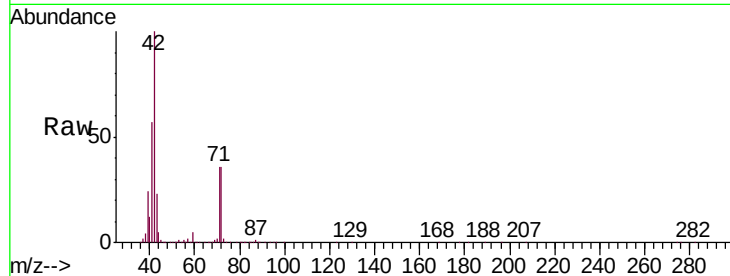
ClientSampleId :

VL0727ABS01

Tot Ion:	42	Resp:	1568059
Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.6	42.8
71	34.7	27.8	41.6

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#42

Bromodichloromethane

Concen: 9.80 ppbv

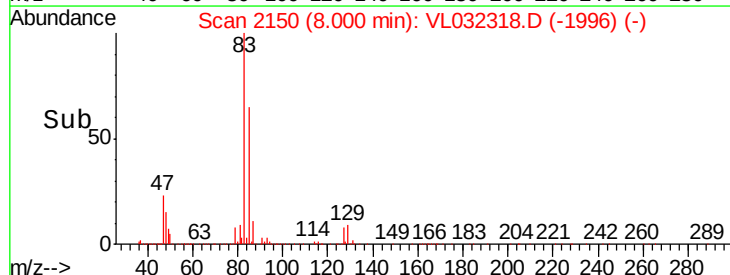
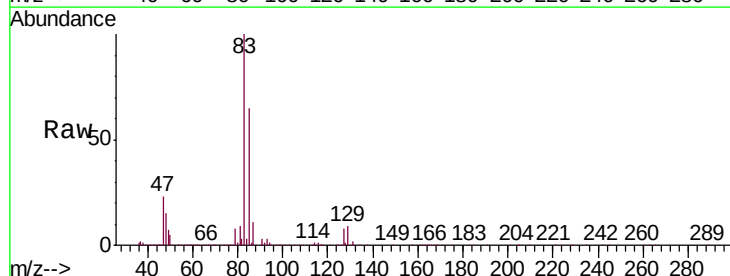
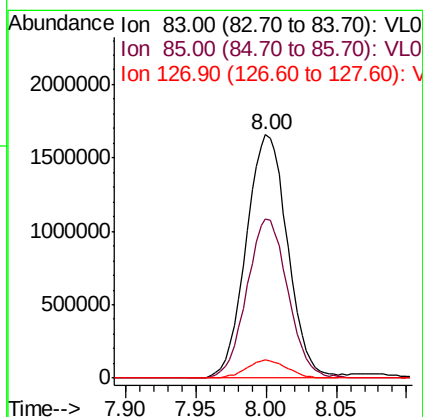
RT: 8.00 min Scan# 2150

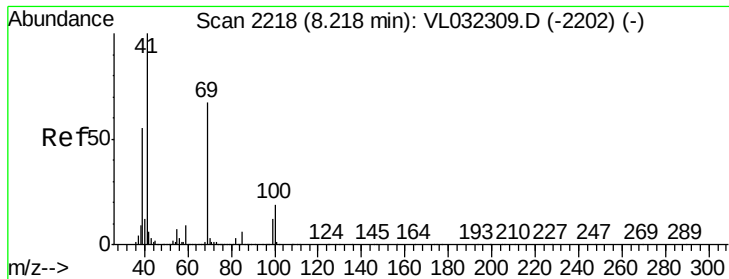
Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion:	83	Resp:	3404100
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1
127	7.5	6.0	9.0





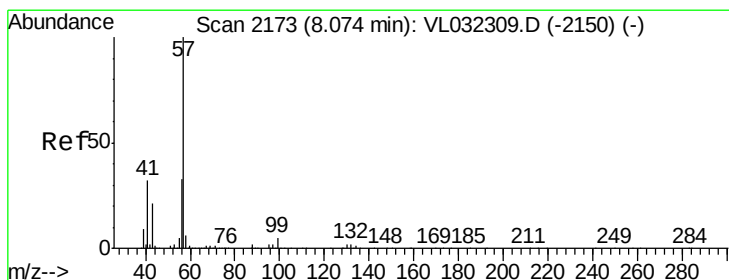
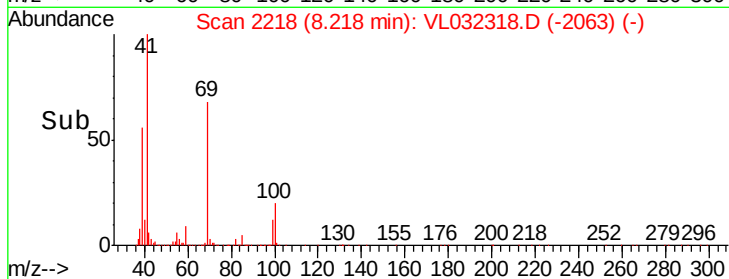
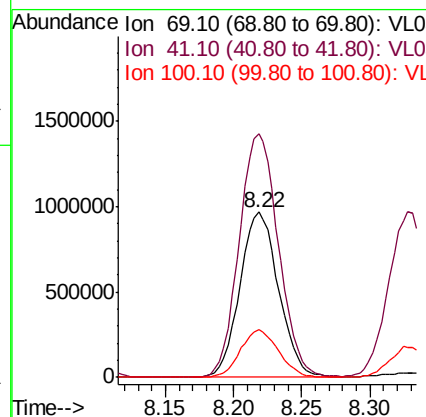
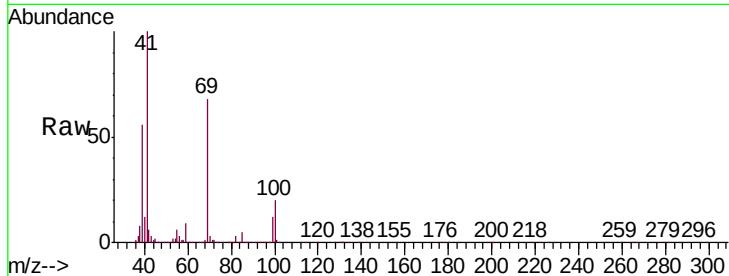
#43
Methyl Methacrylate
Concen: 10.69 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.6	120.6	180.8	
100	28.5	23.2	34.8	

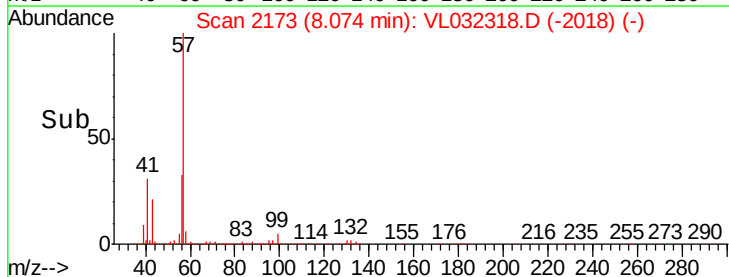
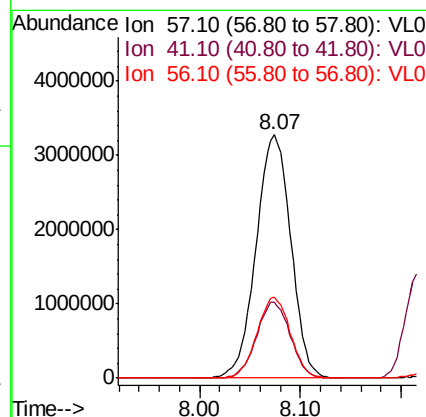
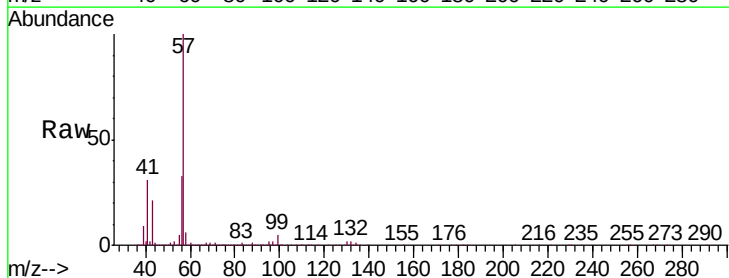
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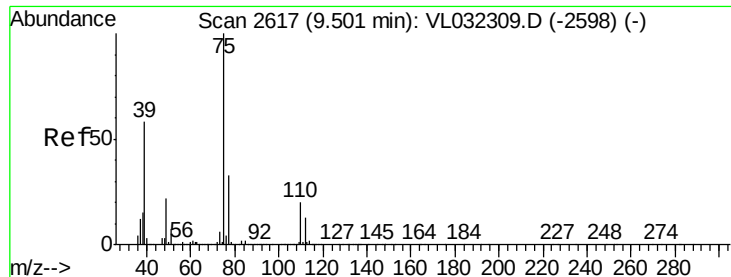
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.73 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	30.4	24.3	36.5	
56	32.0	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 11.01 ppbv

RT: 9.50 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 75 Resp: 2272918

Ion Ratio Lower Upper

75 100

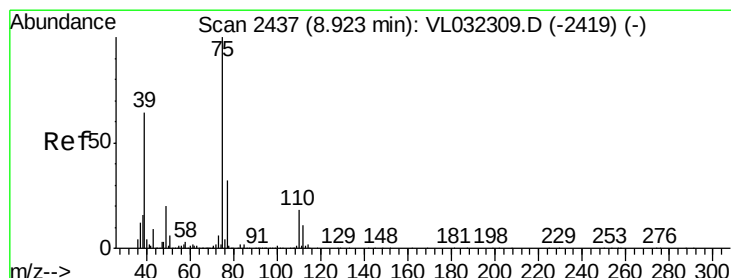
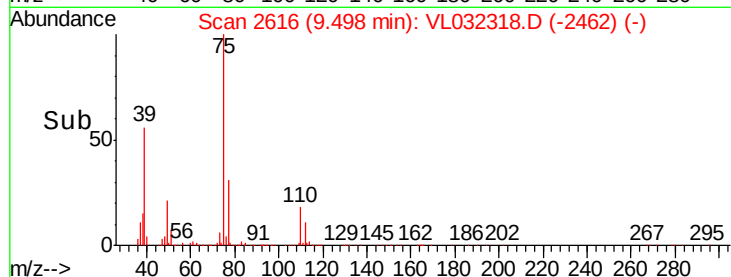
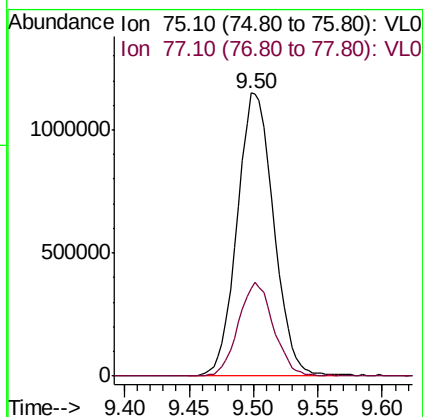
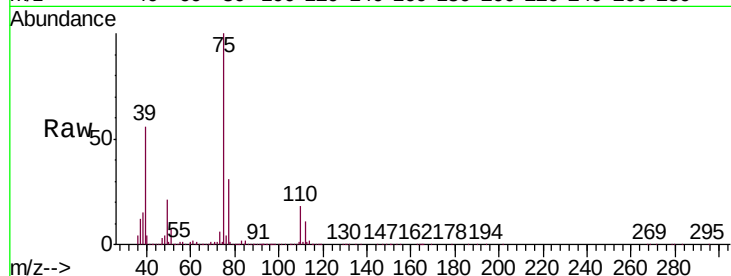
77 30.8 26.2 39.4

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#46

cis-1,3-Dichloropropene

Concen: 10.79 ppbv

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

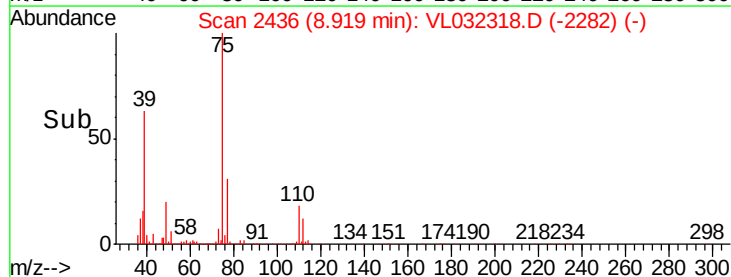
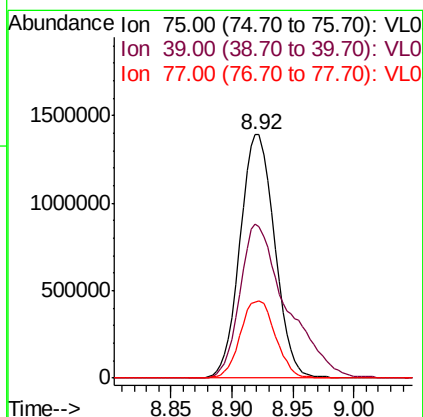
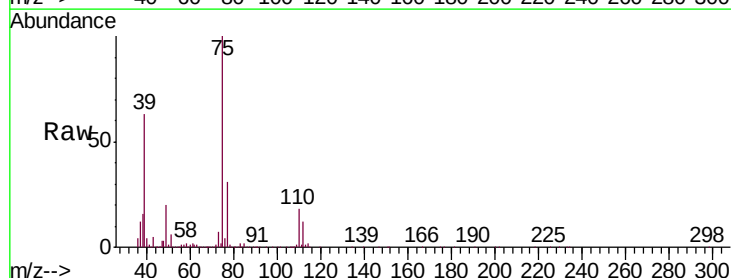
Tgt Ion: 75 Resp: 2728689

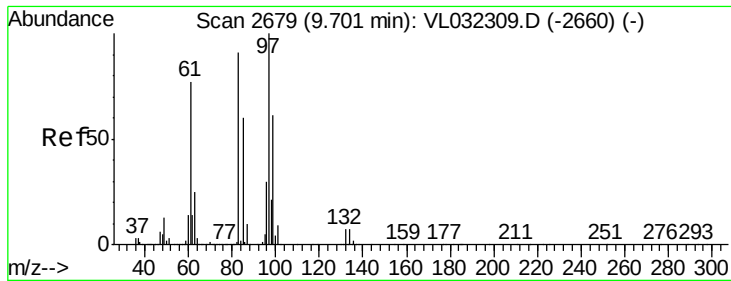
Ion Ratio Lower Upper

75 100

39 63.3 50.9 76.3

77 31.3 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.35 ppbv

RT: 9.70 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 97 Resp: 1696936

Ion Ratio Lower Upper

97 100

83 94.8 73.0 109.6

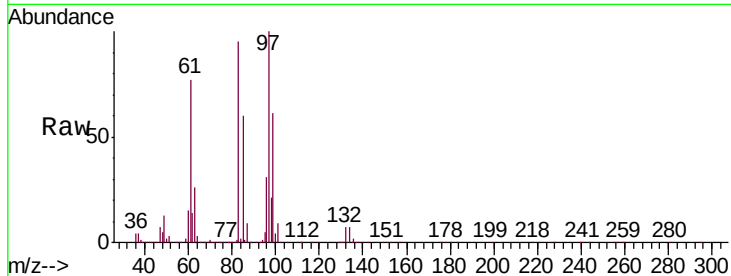
85 60.0 48.1 72.1

99 61.4 48.5 72.7

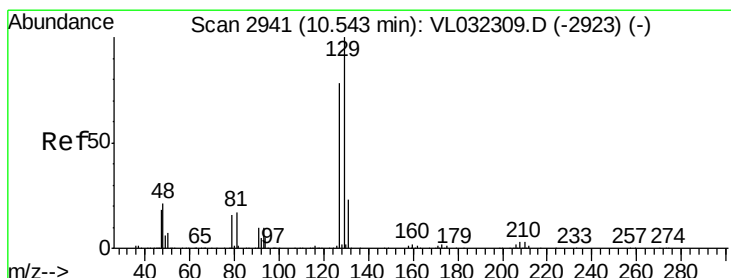
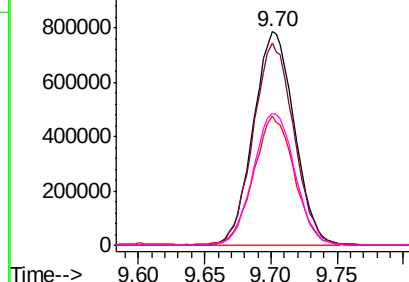
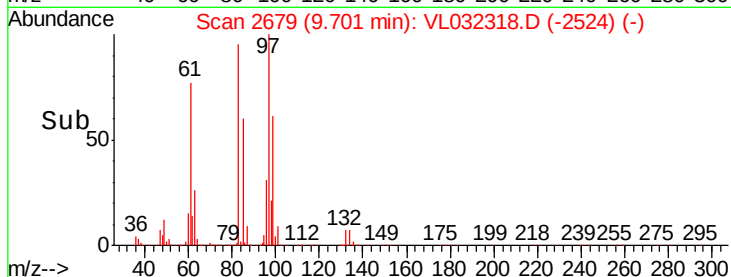
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Abundance Ion 97.00 (96.70 to 97.70): VL0
1200000 Ion 83.00 (82.70 to 83.70): VL0
1000000 Ion 85.00 (84.70 to 85.70): VL0
800000 Ion 99.00 (98.70 to 99.70): VL0
600000
400000
200000
0



#48

Dibromochloromethane

Concen: 9.94 ppbv

RT: 10.54 min Scan# 2940

Delta R.T. -0.00 min

Lab File: VL032318.D

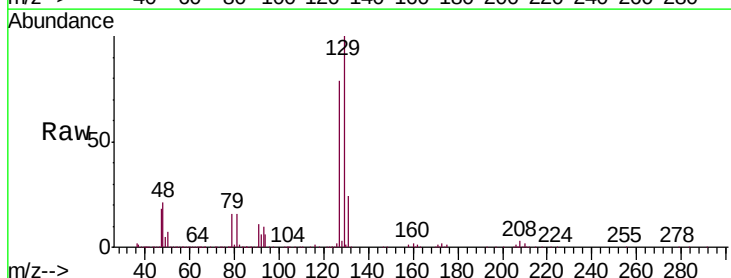
Acq: 27 Jul 2018 13:34

Tgt Ion: 129 Resp: 2659317

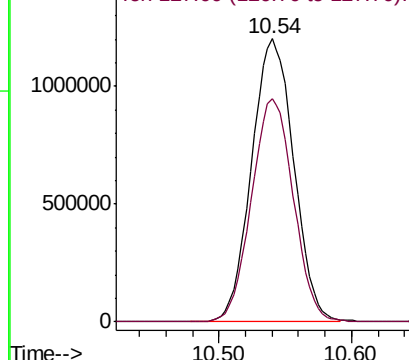
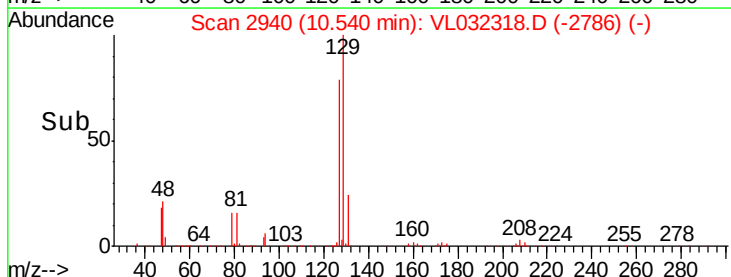
Ion Ratio Lower Upper

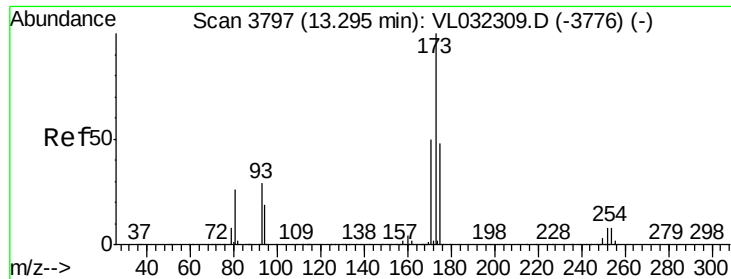
129 100

127 78.4 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V
1000000 Ion 127.00 (126.70 to 127.70): V
500000
0





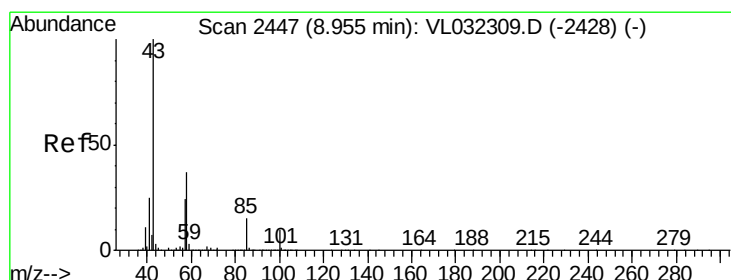
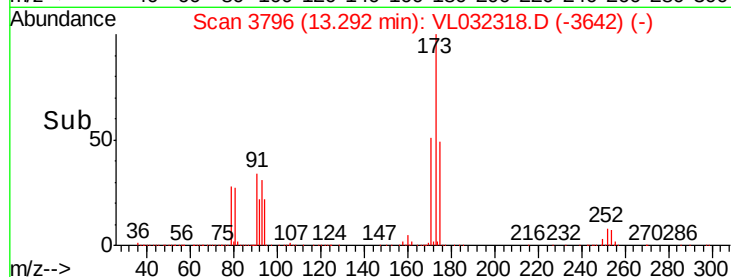
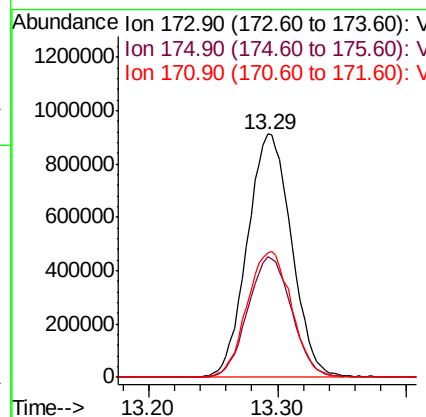
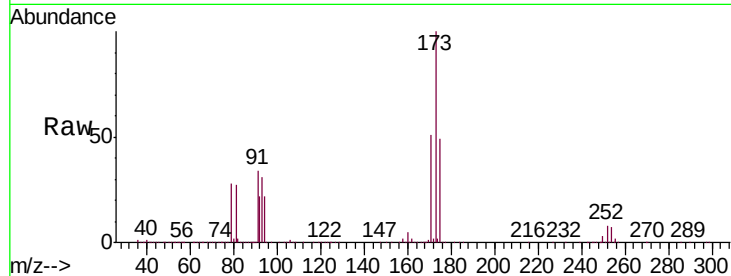
#49
Bromoform
Concen: 9.86 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.9	58.3
171	52.4	42.2	63.2

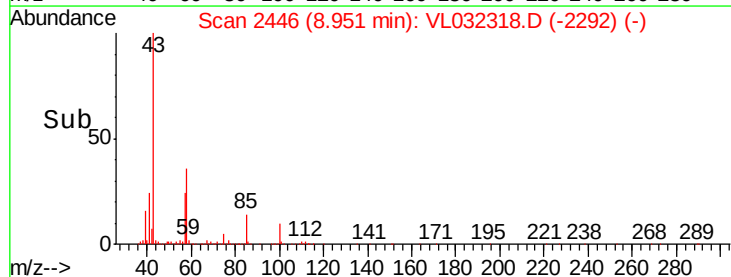
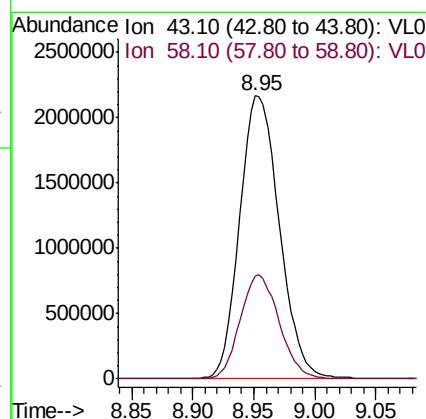
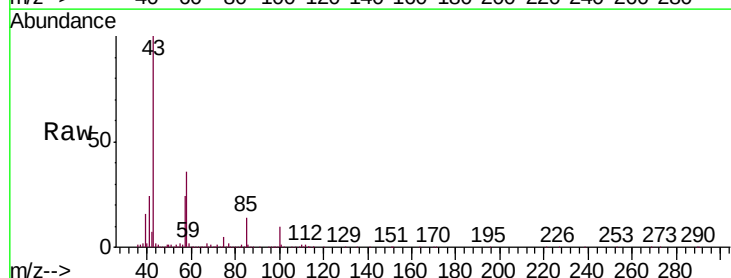
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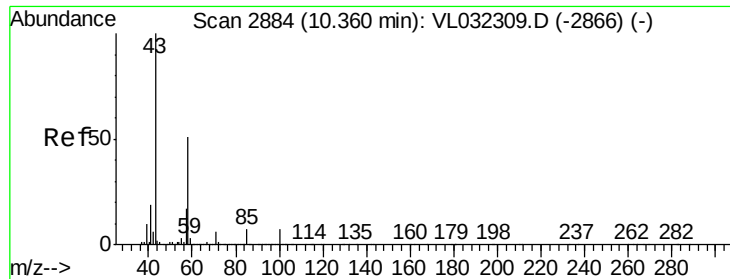
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#50
4-Methyl-2-Pentanone
Concen: 10.15 ppbv
RT: 8.95 min Scan# 2446
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3





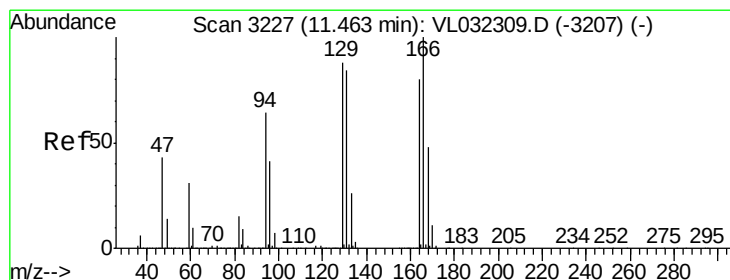
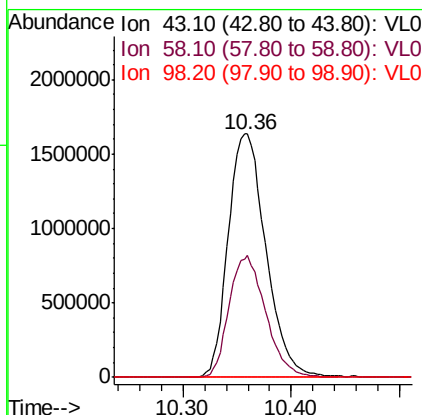
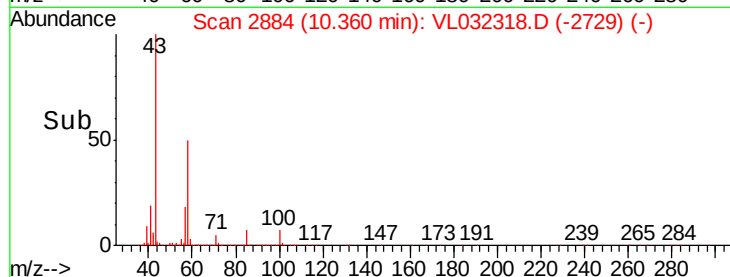
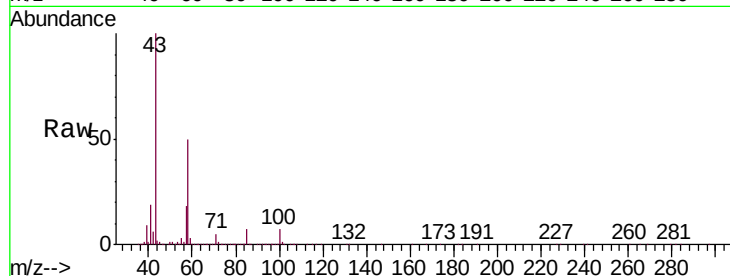
#51
2-Hexanone
Concen: 10.83 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion: 43 Resp: 3968081
Ion Ratio Lower Upper
43 100
58 48.7 39.1 58.7
98 0.4 0.3 0.5

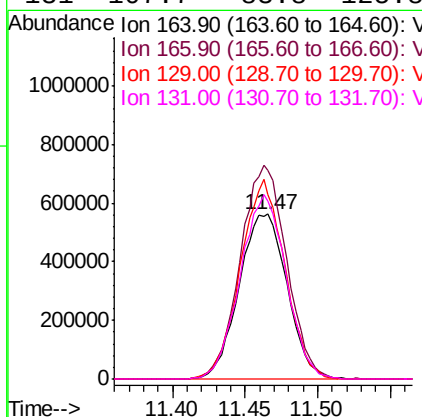
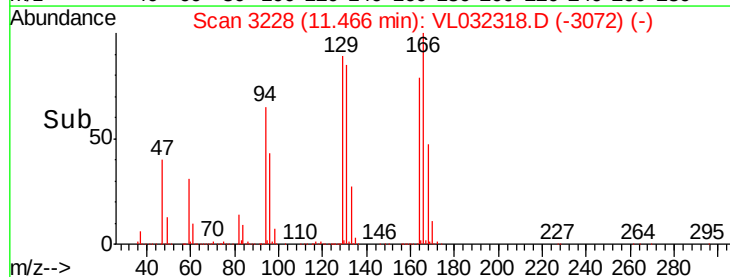
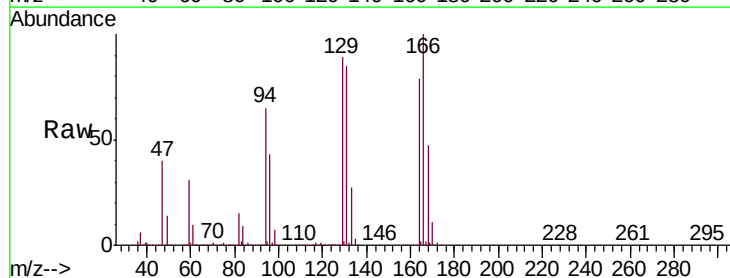
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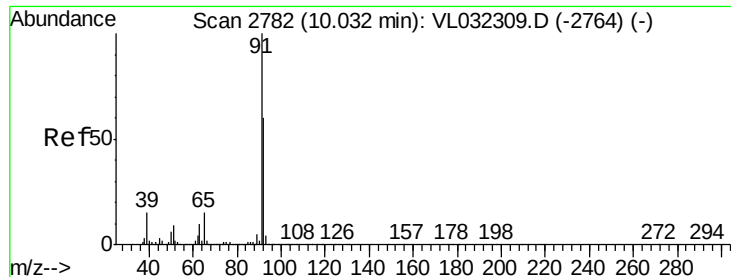
MMDadoda
7/30/2018 11:43:05 AM



#52
Tetrachloroethene
Concen: 10.31 ppbv
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 164 Resp: 1290193
Ion Ratio Lower Upper
164 100
166 126.2 100.0 150.0
129 111.9 87.9 131.9
131 107.7 83.8 125.8





#53

Toluene

Concen: 10.95 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 91 Resp: 4860593

Ion Ratio Lower Upper

91 100

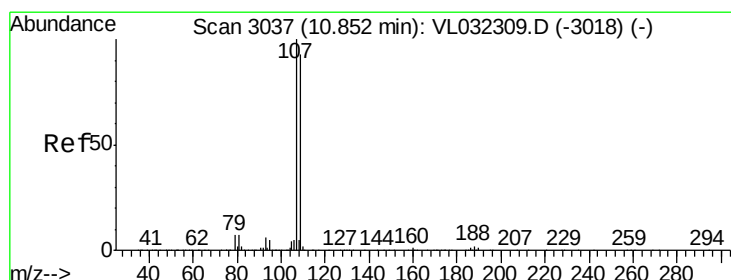
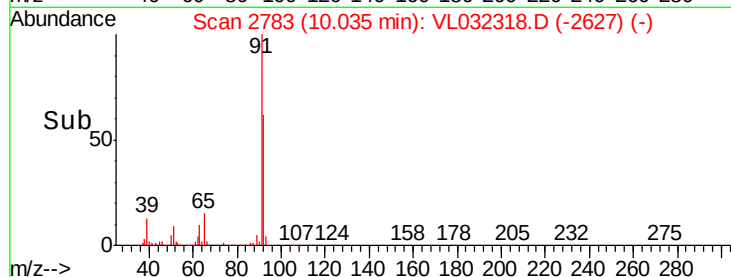
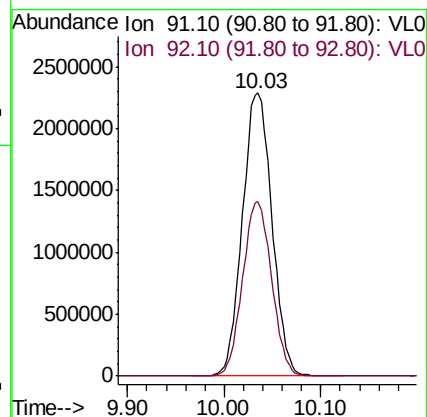
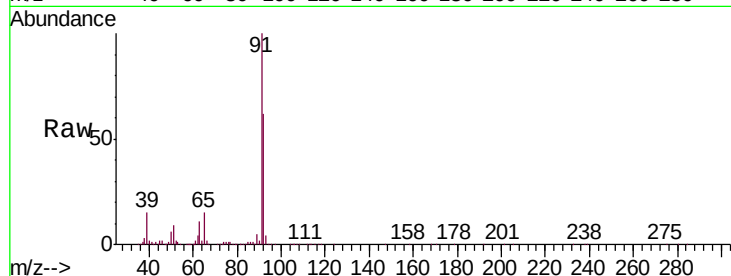
92 60.7 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 9.94 ppbv

RT: 10.85 min Scan# 3036

Delta R.T. -0.00 min

Lab File: VL032318.D

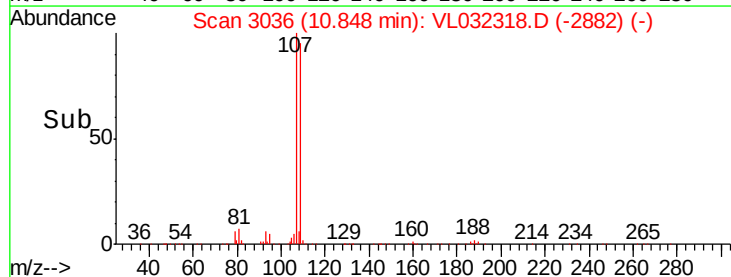
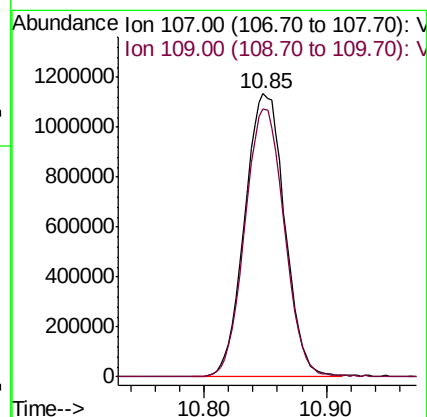
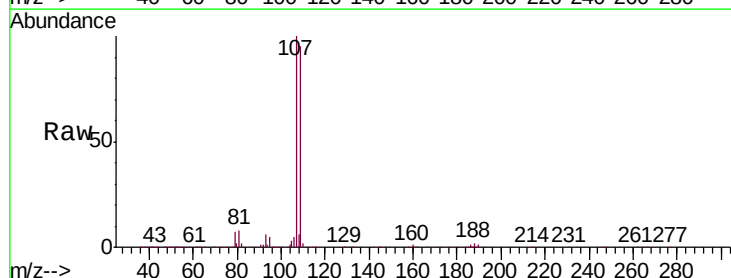
Acq: 27 Jul 2018 13:34

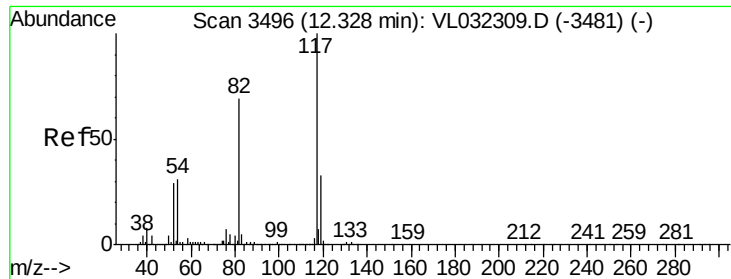
Tgt Ion: 107 Resp: 2564840

Ion Ratio Lower Upper

107 100

109 94.7 74.1 111.1





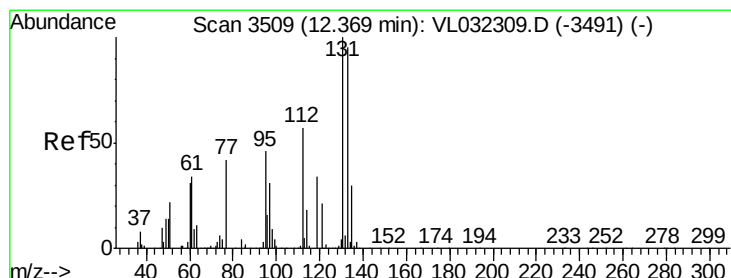
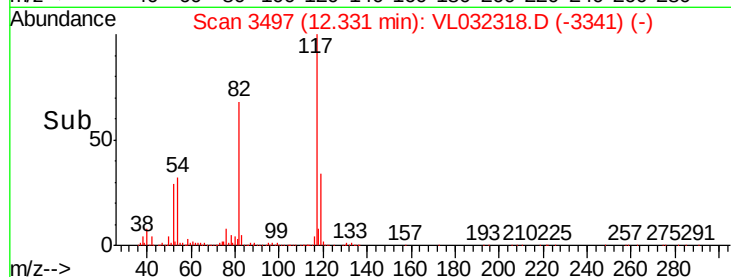
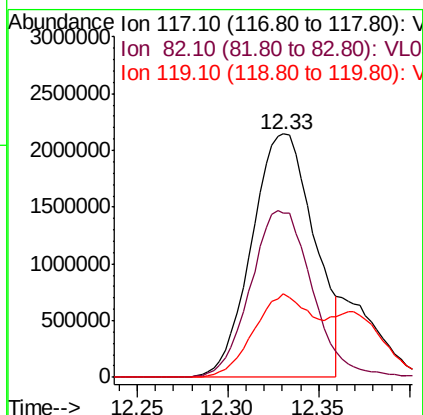
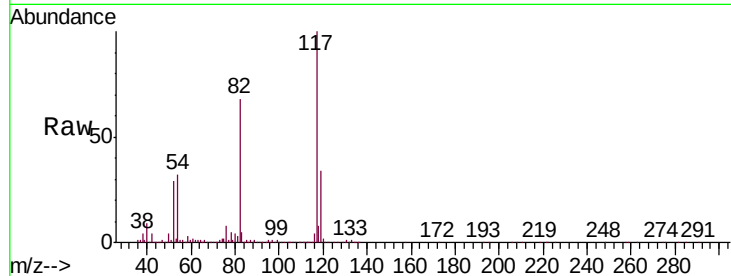
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.33 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.0	52.6	78.8
119	55.1	25.7	38.5#

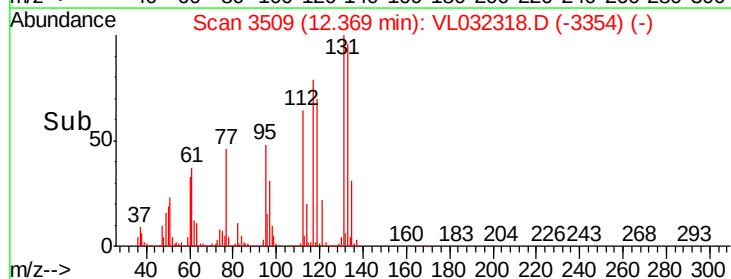
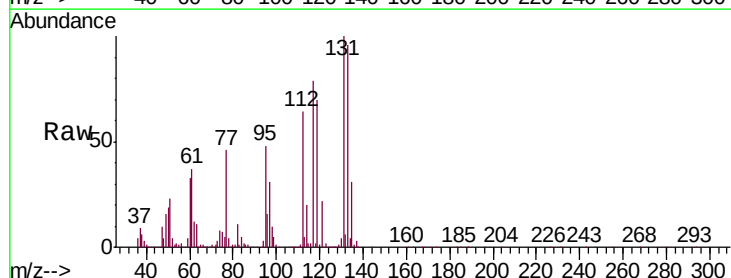
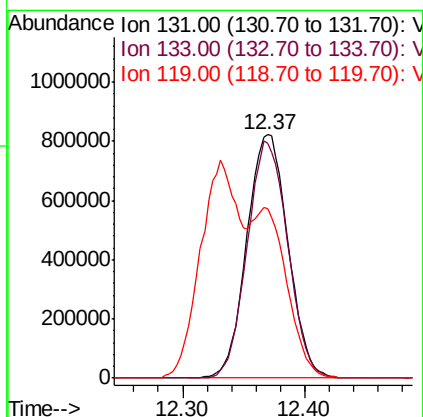
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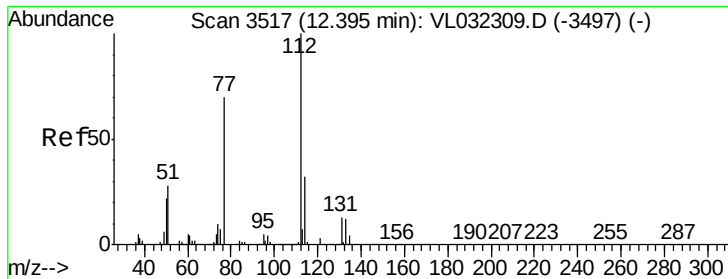
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.02 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	75.8	113.6
119	148.1	48.1	72.1#





#57

Chlorobenzene

Concen: 8.76 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 112 Resp: 3512880

Ion Ratio Lower Upper

112 100

77 72.4 56.5 84.7

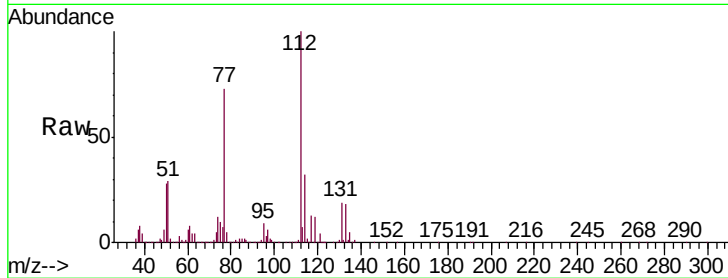
114 32.1 28.4 34.7

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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

12.39

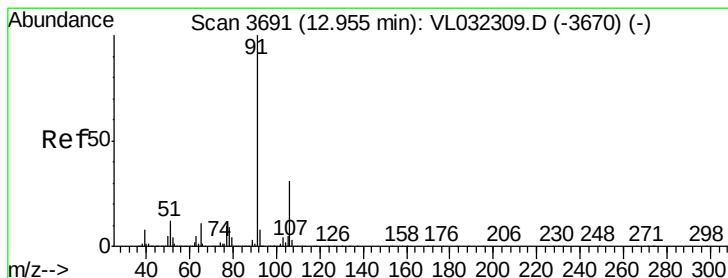
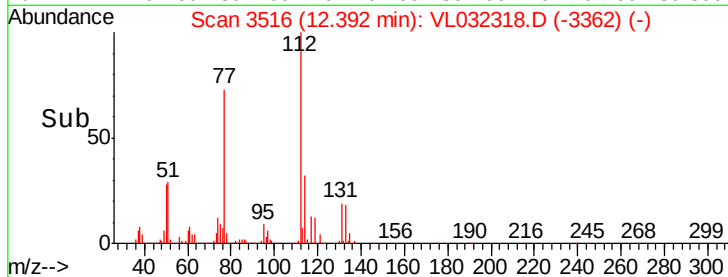
1500000

1000000

500000

0

12.30 12.40 12.50



#58

Ethyl Benzene

Concen: 10.01 ppbv

RT: 12.95 min Scan# 3690

Delta R.T. -0.00 min

Lab File: VL032318.D

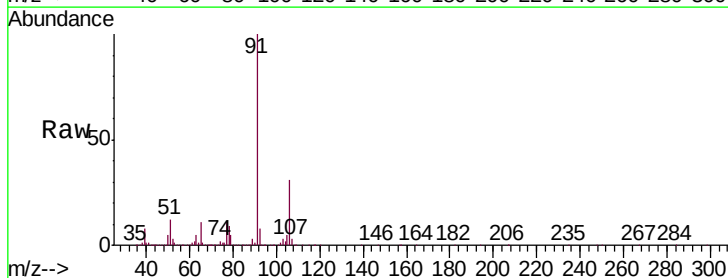
Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 6468805

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.95

3000000

2500000

2000000

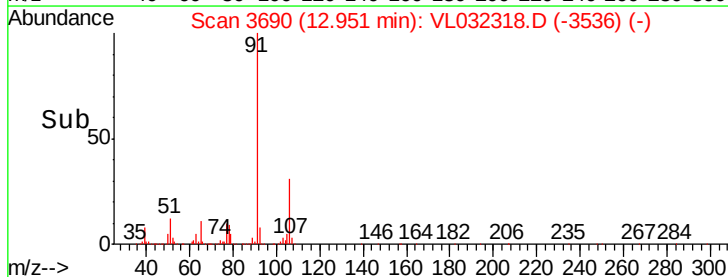
1500000

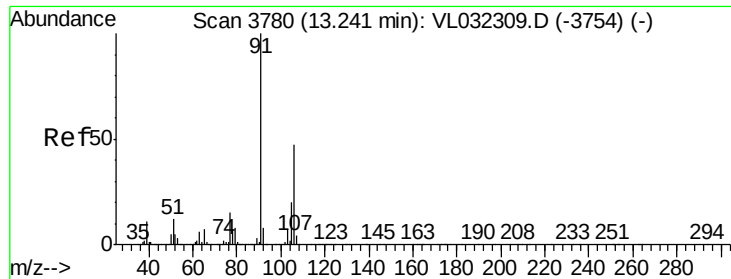
1000000

500000

0

12.90 13.00





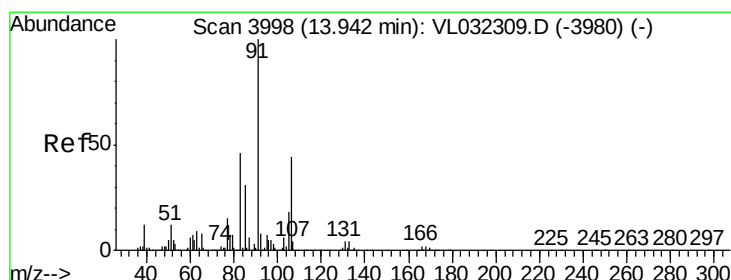
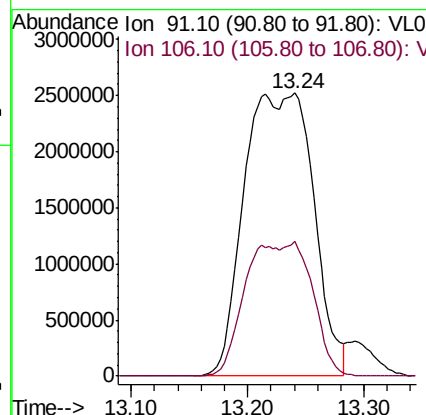
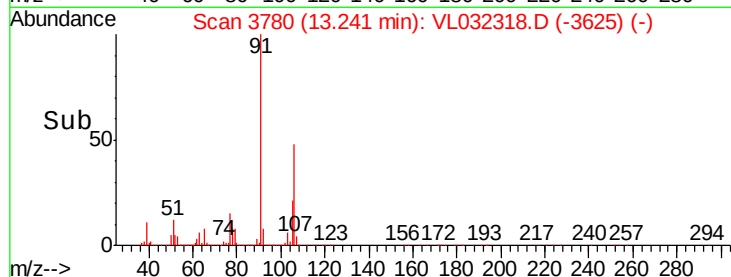
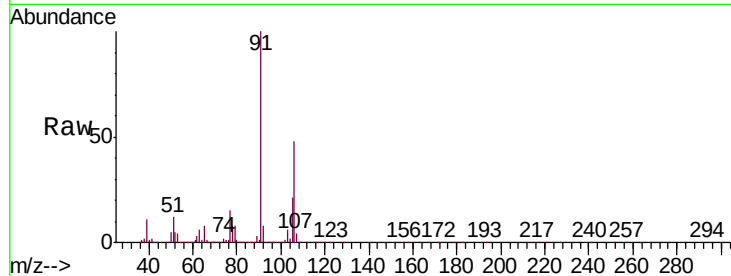
#59
m/p-Xylene
Concen: 18.86 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion: 91 Resp:10384050
Ion Ratio Lower Upper
91 100
106 45.8 36.4 54.6

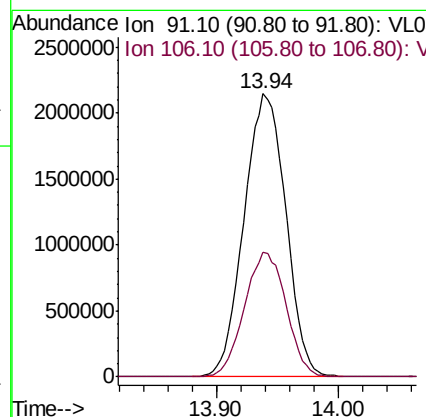
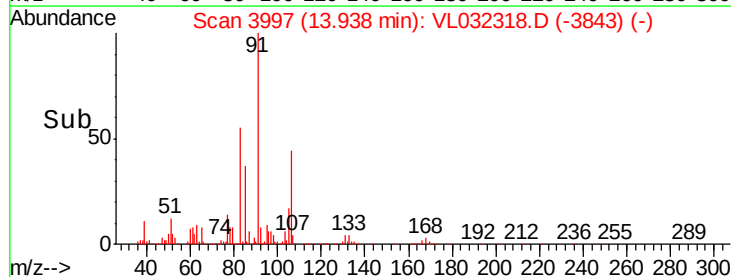
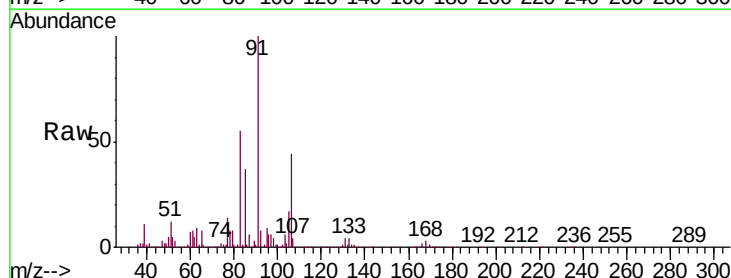
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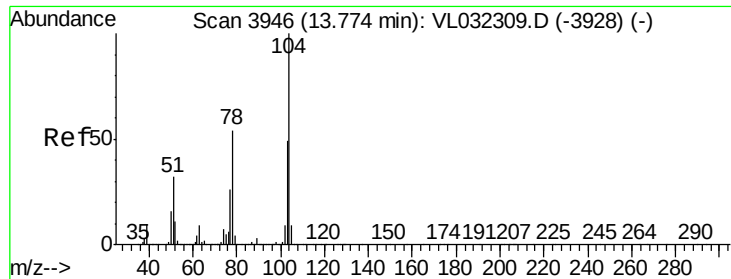
MMDadoda
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#60
o-Xylene
Concen: 9.40 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 5070343
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.0





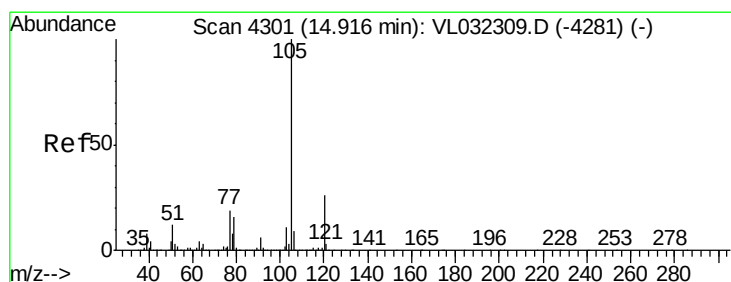
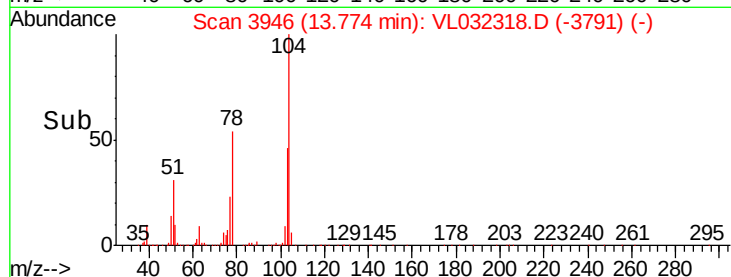
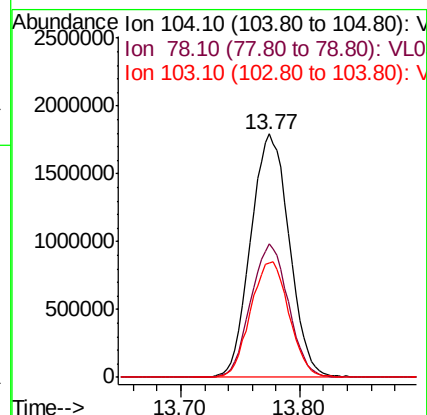
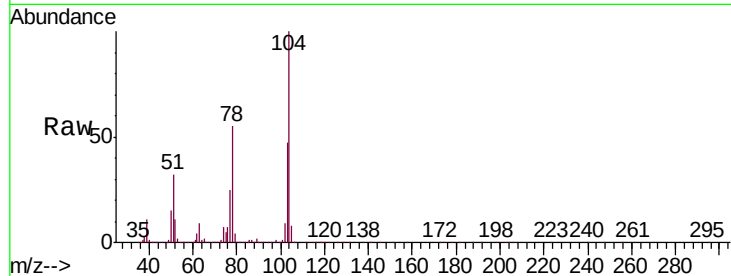
#61
Stvrene
Concen: 10.13 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.6	63.8
103	47.4	38.0	57.0

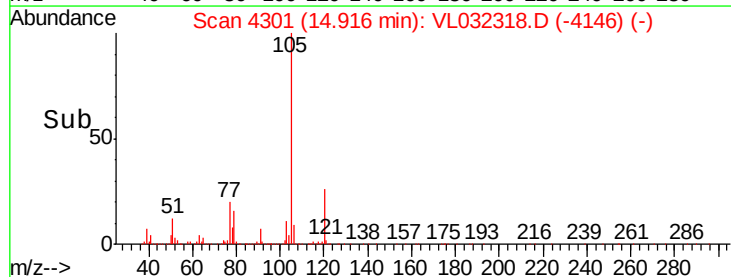
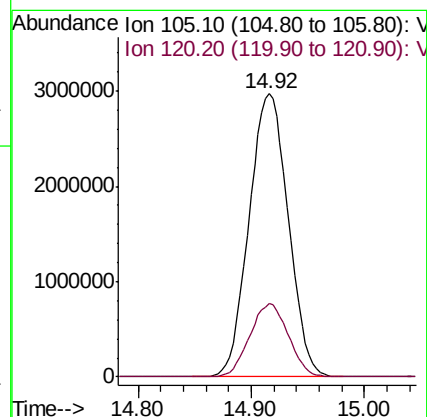
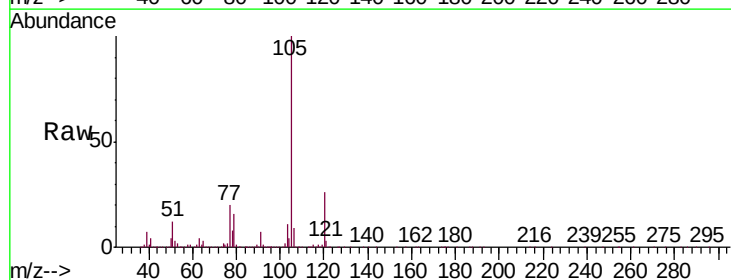
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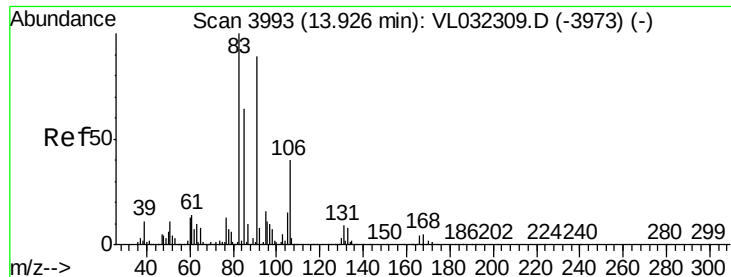
MMDadoda
7/30/2018 11:43:05 AM



#62
Isopropylbenzene
Concen: 9.33 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.68 ppbv

RT: 13.93 min Scan# 3993

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 83 Resp: 3812720

Ion Ratio Lower Upper

83 100

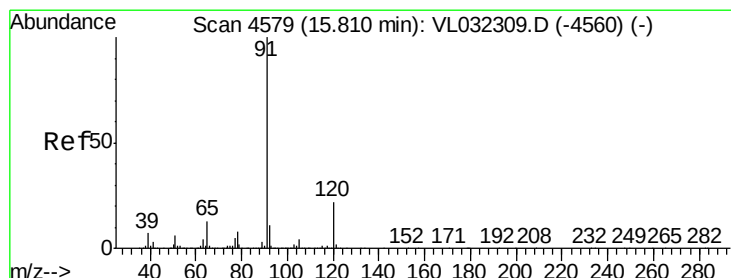
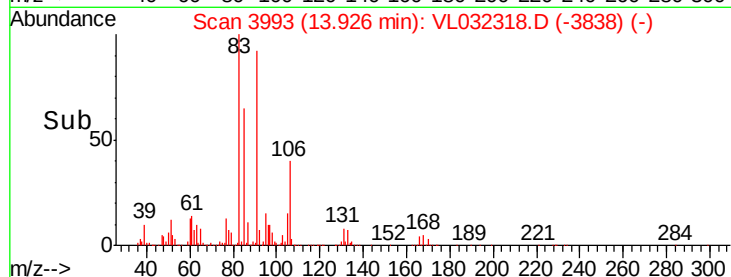
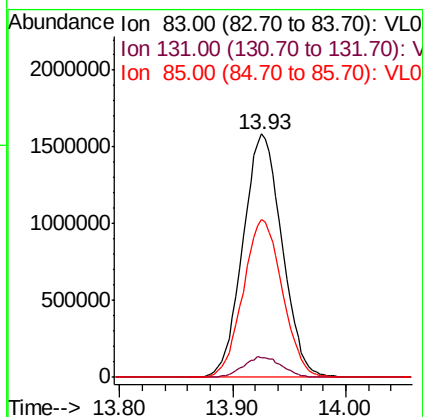
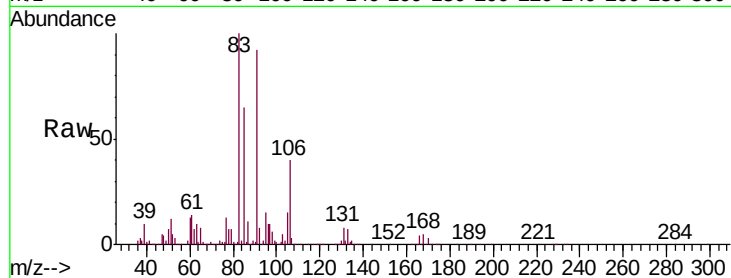
131 8.3 4.3 12.8

85 65.1 32.6 97.7

Manual Integrations
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7/30/2018 11:43:05 AM



#64

n-propylbenzene

Concen: 9.35 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. -0.00 min

Lab File: VL032318.D

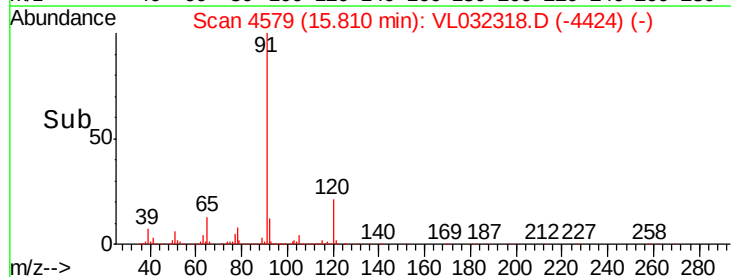
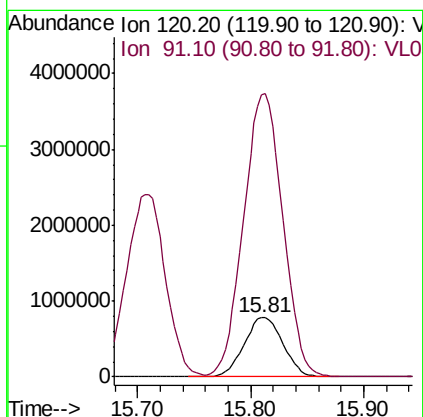
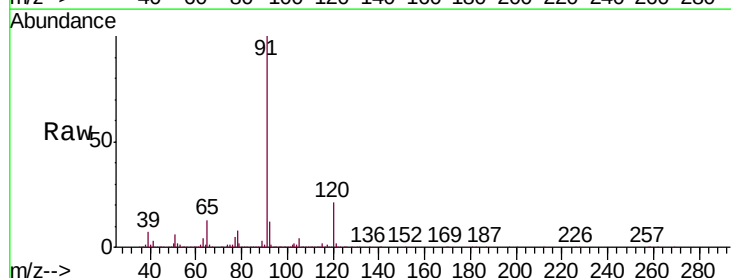
Acq: 27 Jul 2018 13:34

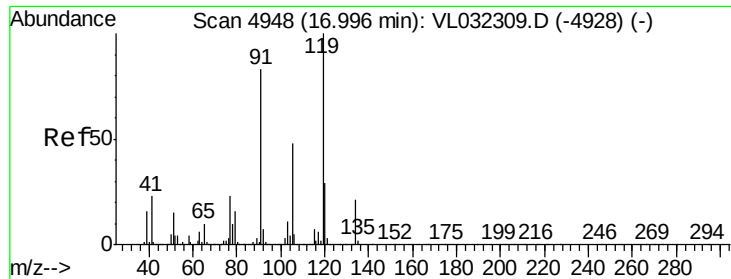
Tgt Ion: 120 Resp: 1866492

Ion Ratio Lower Upper

120 100

91 483.7 381.8 572.8





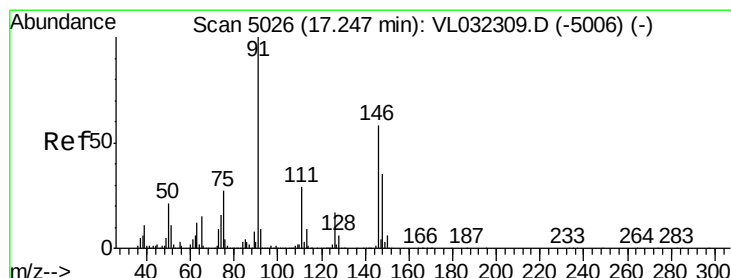
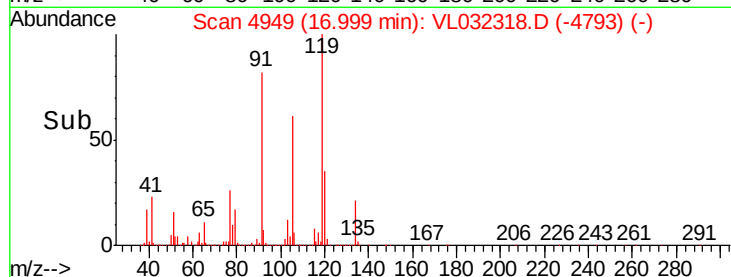
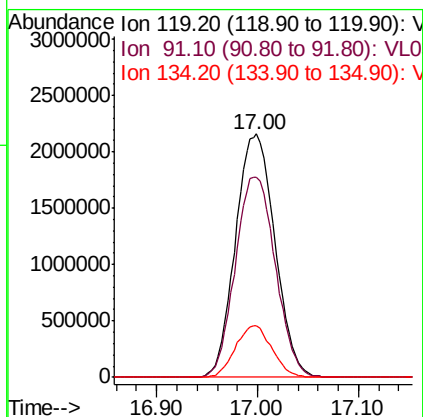
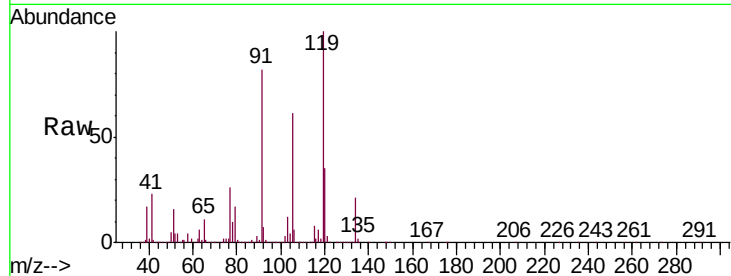
#65
tert-Butylbenzene
Concen: 9.03 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.0	67.5	101.3
134	19.6	15.8	23.6

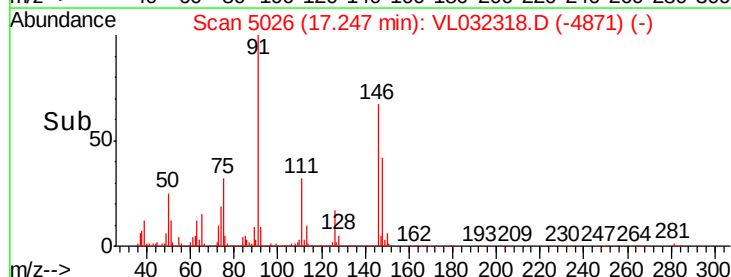
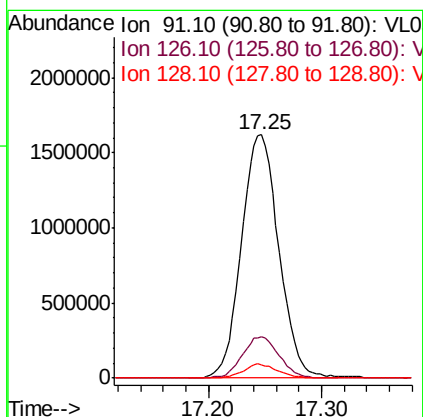
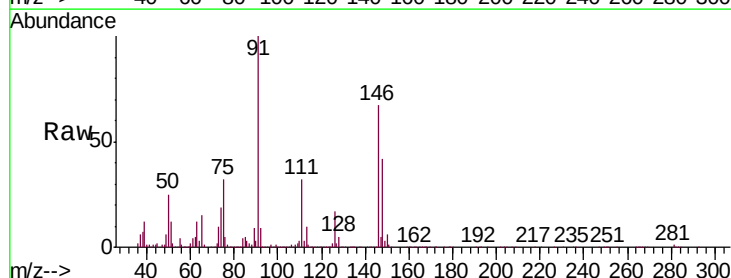
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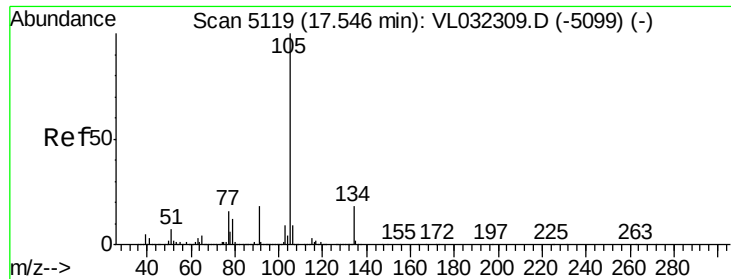
MMDadoda
7/30/2018 11:43:05 AM



#66
Benzyl Chloride
Concen: 9.61 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.7	20.5
128	5.4	4.3	6.5





#67

sec-Butylbenzene

Concen: 9.05 ppbv

RT: 17.55 min Scan# 5119

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

VL0727ABS01

Tot Ion: 105 Resp: 8783075

Ion Ratio Lower Upper

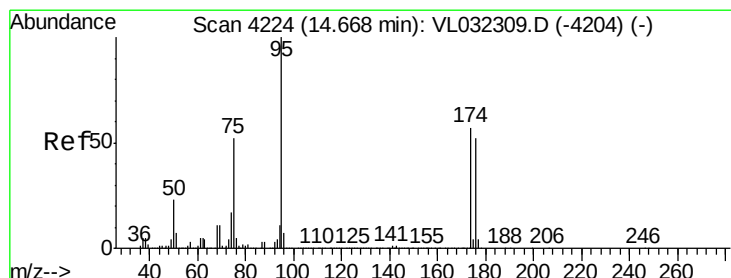
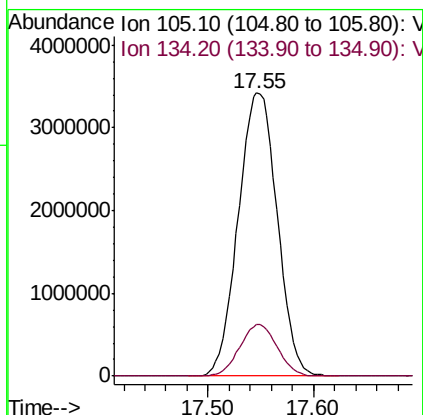
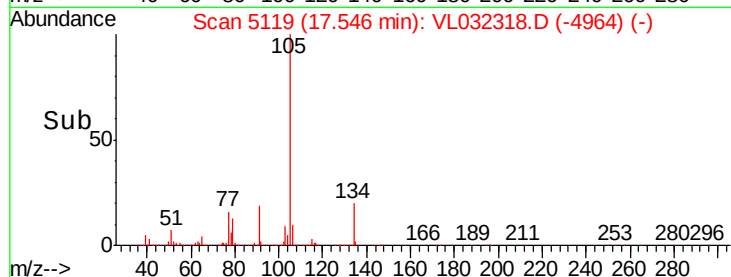
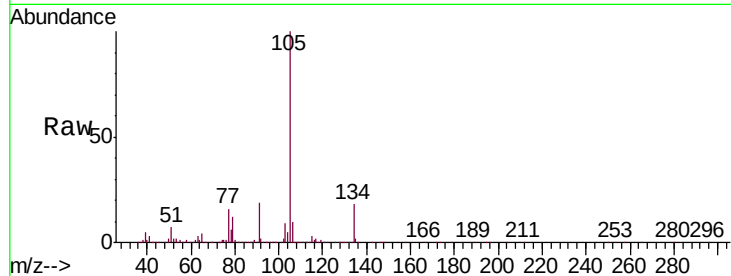
105 100

134 17.7 14.2 21.4

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7/30/2018 11:43:05 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.10 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

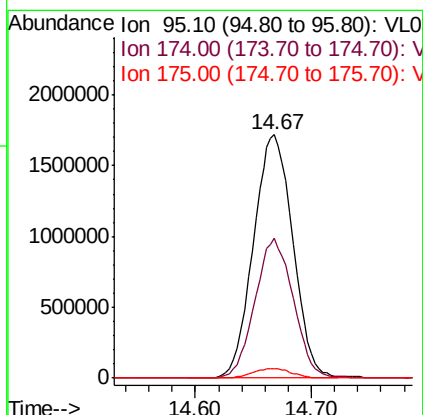
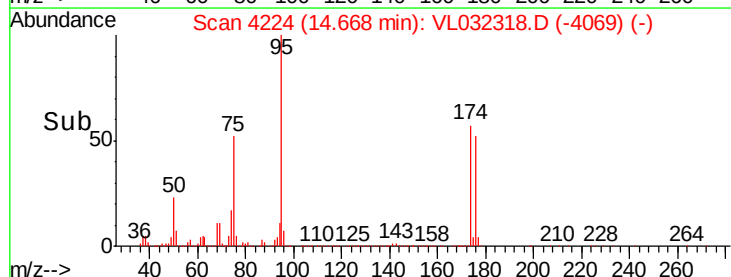
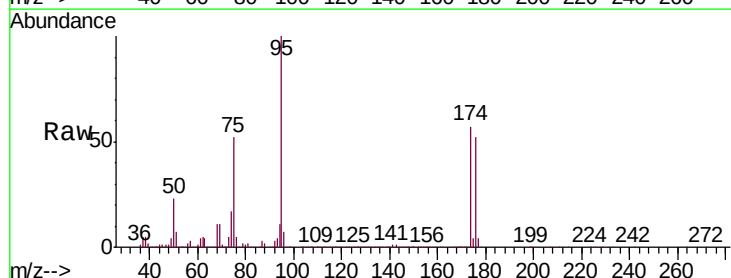
Tgt Ion: 95 Resp: 4043109

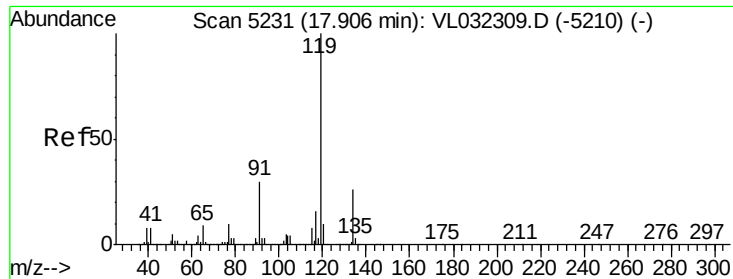
Ion Ratio Lower Upper

95 100

174 56.5 45.5 68.3

175 4.0 3.3 4.9





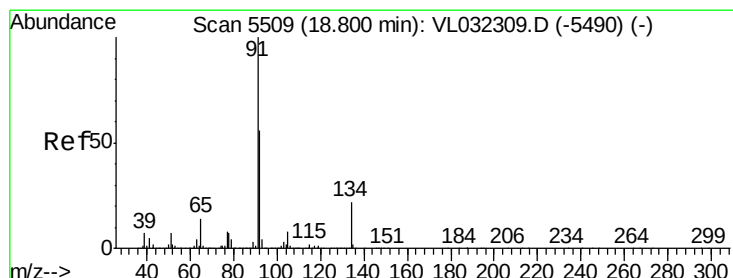
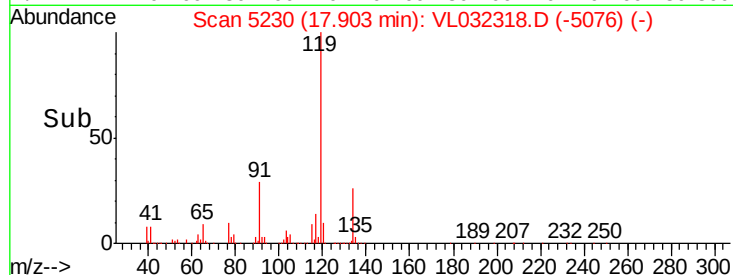
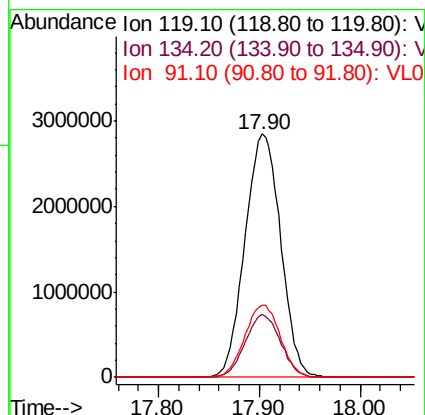
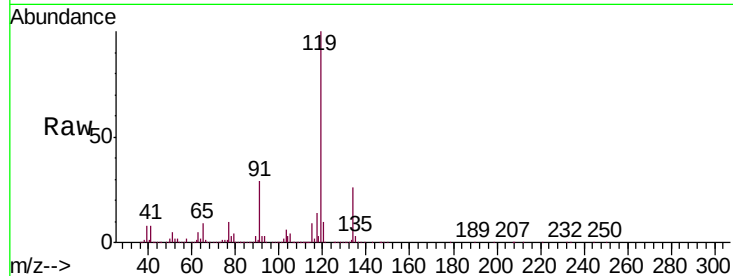
#69
 p-Isopropyltoluene
 Concen: 9.29 ppbv
 RT: 17.90 min Scan# 5230
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	29.6	23.8	35.6

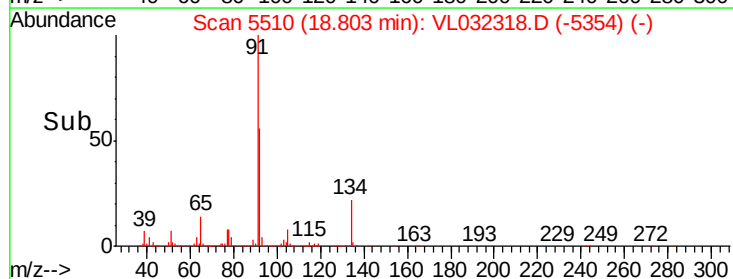
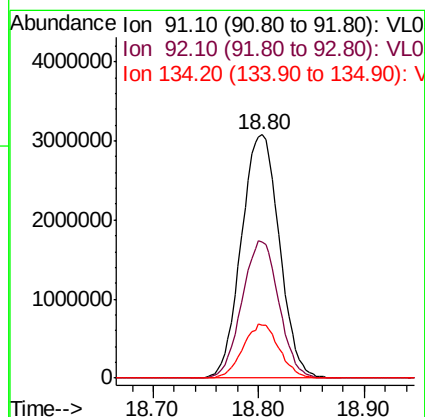
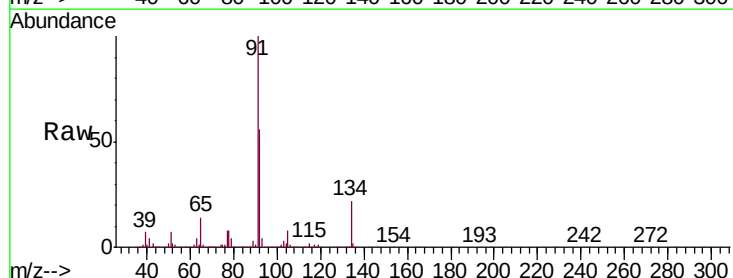
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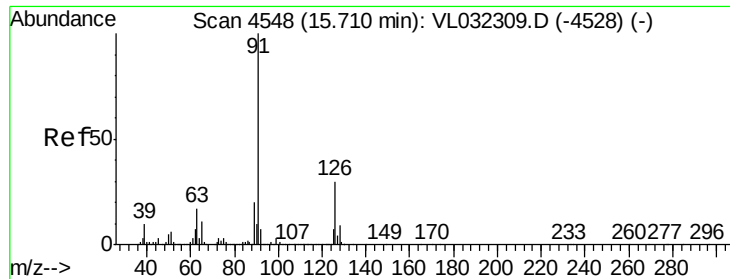
MMDadoda
 7/30/2018 11:43:05 AM



#70
 n-Butylbenzene
 Concen: 8.88 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. 0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.2	66.4
134	21.2	17.4	26.2





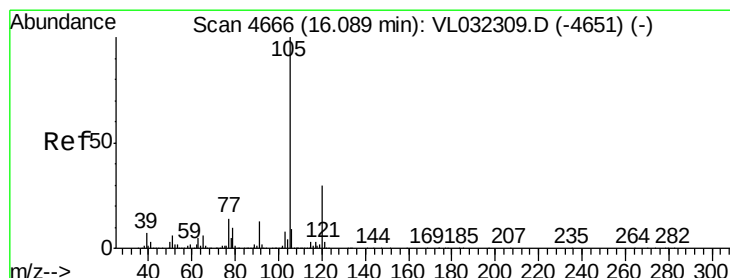
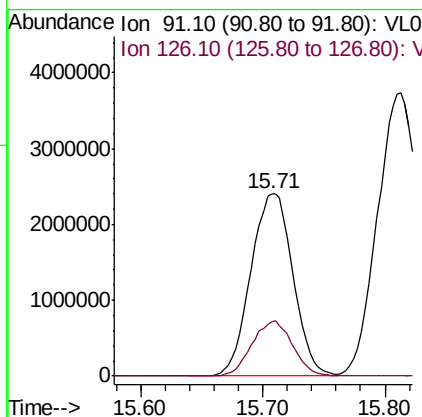
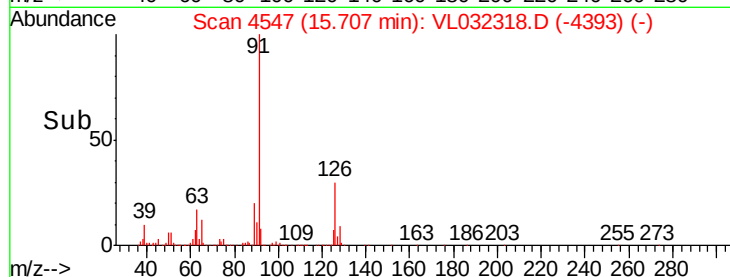
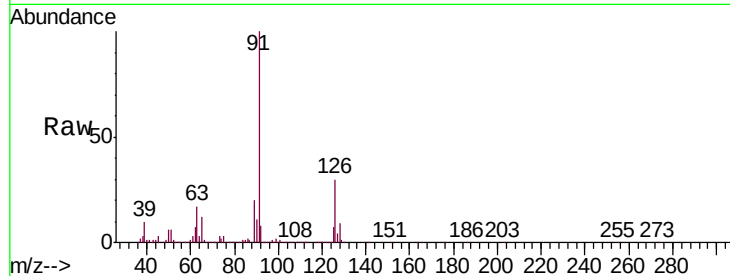
#71
 2-Chlorotoluene
 Concen: 9.58 ppbv
 RT: 15.71 min Scan# 4547
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion: 91 Resp: 5763121
 Ion Ratio Lower Upper
 91 100
 126 29.3 11.8 47.0

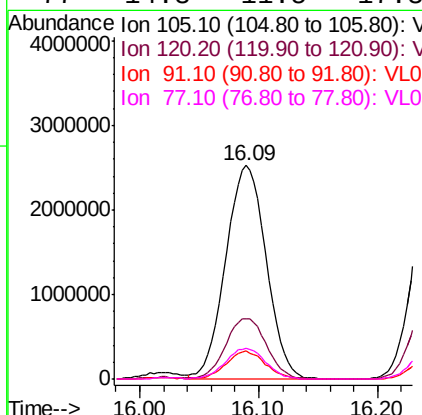
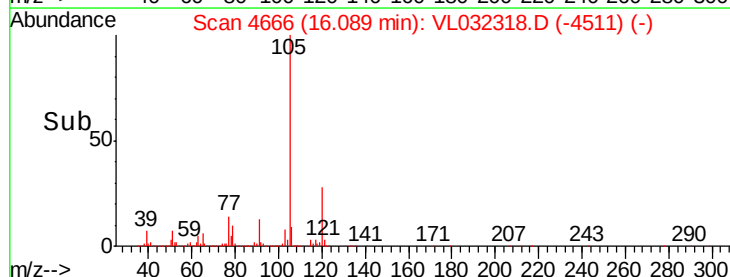
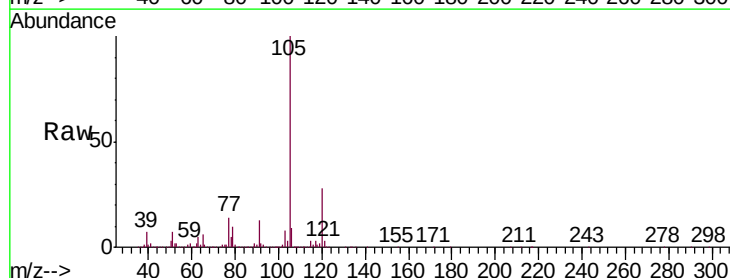
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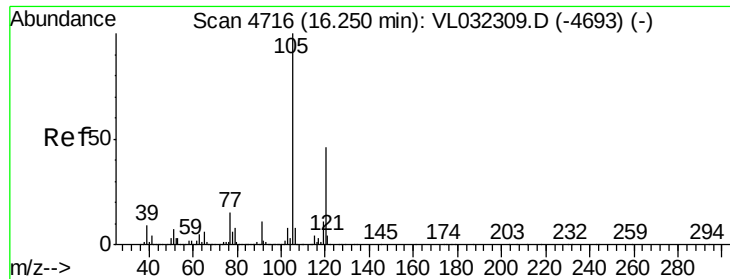
MMDadoda
 7/30/2018 11:43:05 AM



#72
 4-Ethyltoluene
 Concen: 9.81 ppbv
 RT: 16.09 min Scan# 4666
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 105 Resp: 5933920
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.1 34.7
 91 12.6 10.0 15.0
 77 14.3 11.5 17.3





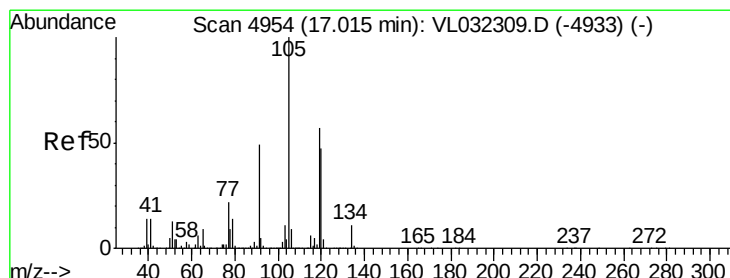
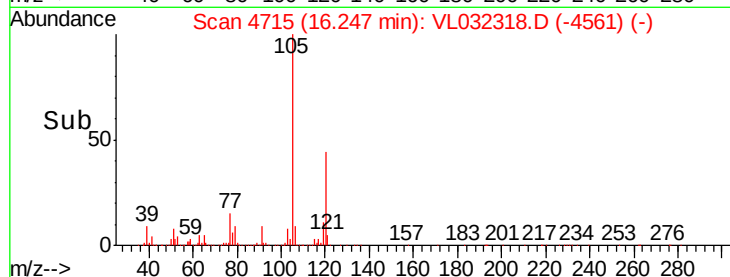
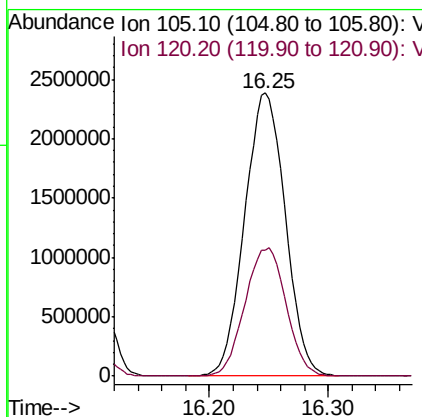
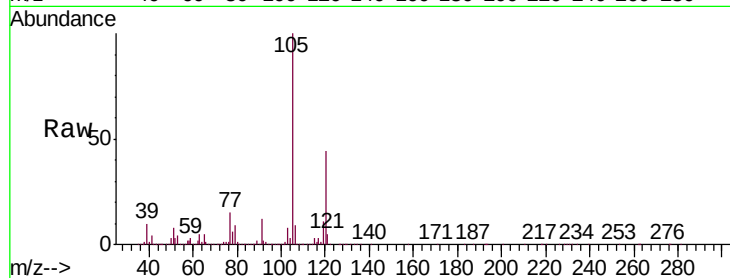
#73
 1,3,5-Trimethylbenzene
 Concen: 9.47 ppbv
 RT: 16.25 min Scan# 4715
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion:105 Resp: 5636637
 Ion Ratio Lower Upper
 105 100
 120 44.3 36.5 54.7

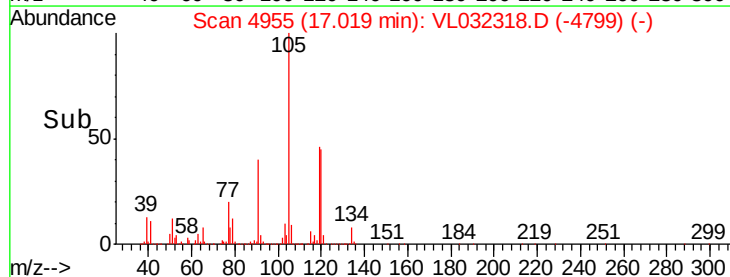
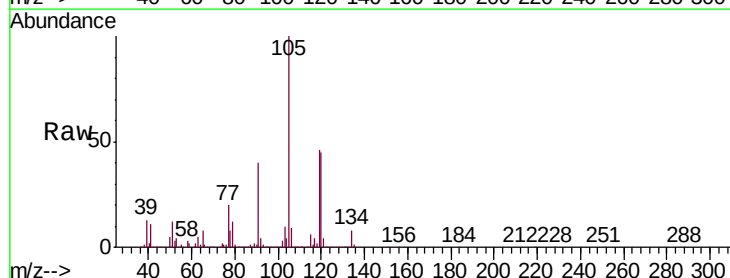
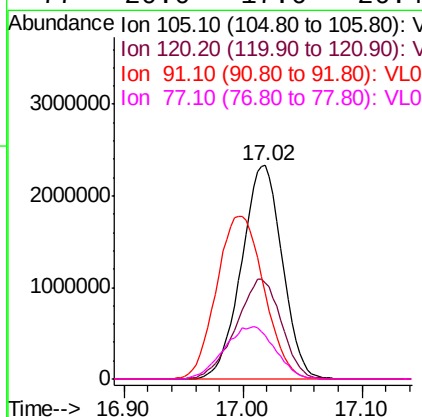
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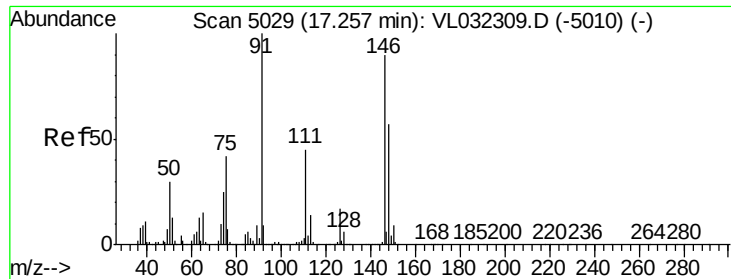
MMDadoda
 7/30/2018 11:43:05 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.79 ppbv
 RT: 17.02 min Scan# 4955
 Delta R.T. 0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion:105 Resp: 5516290
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.8 56.6
 91 39.9 39.4 59.0
 77 20.0 17.6 26.4





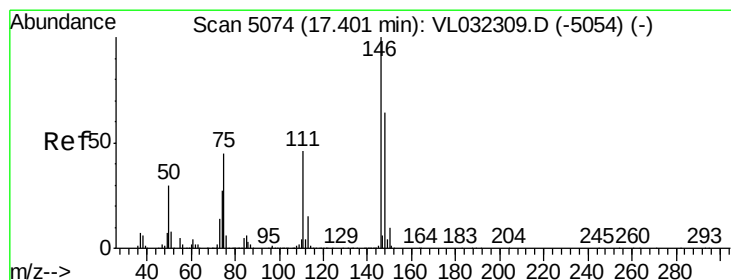
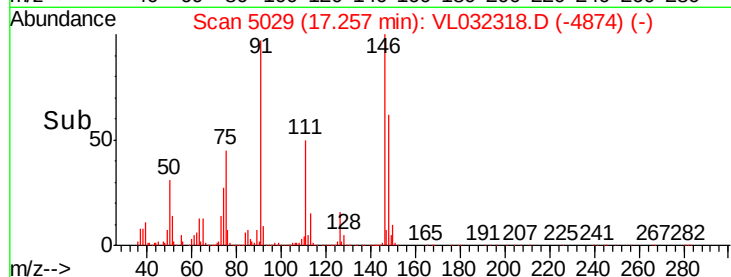
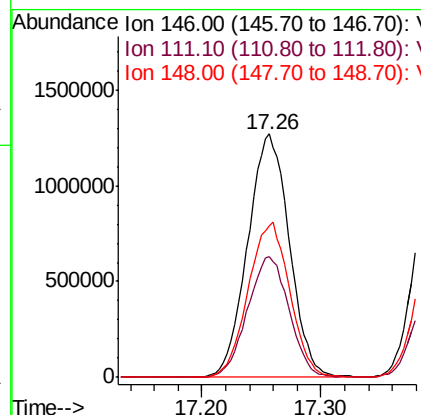
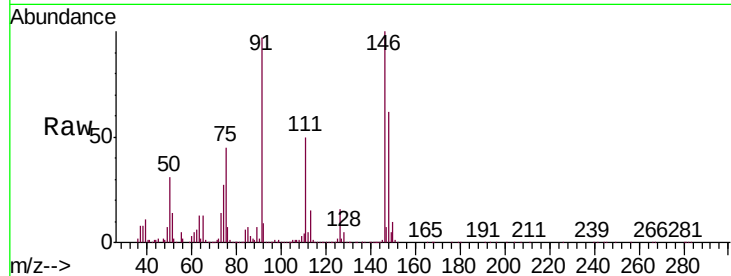
#75
 1,3-Dichlorobenzene
 Concen: 8.44 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion:146 Resp: 3068384
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.6 73.8
 148 63.9 31.6 95.0

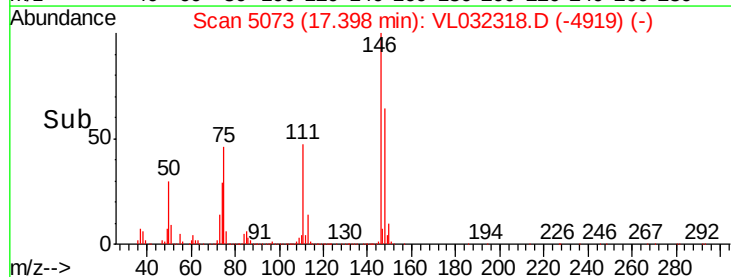
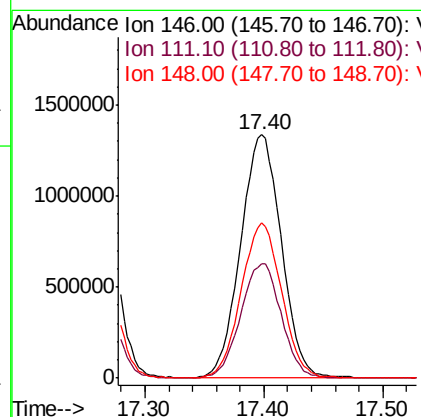
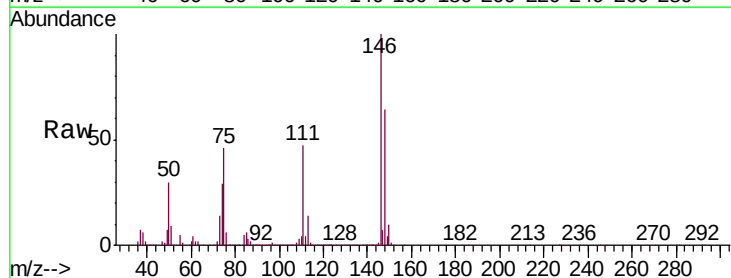
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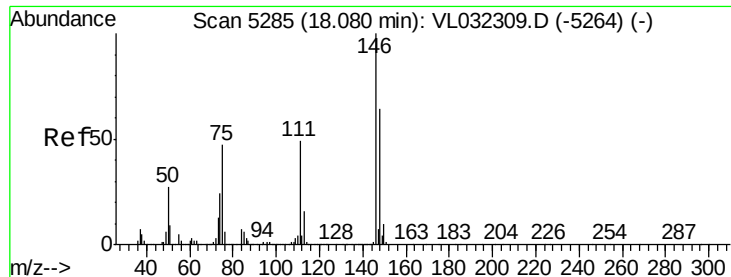
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#76
 1,4-Dichlorobenzene
 Concen: 8.99 ppbv
 RT: 17.40 min Scan# 5073
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion:146 Resp: 3135605
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.6 70.8
 148 64.3 32.1 96.3





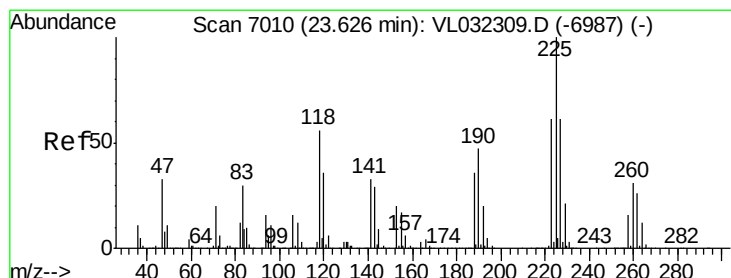
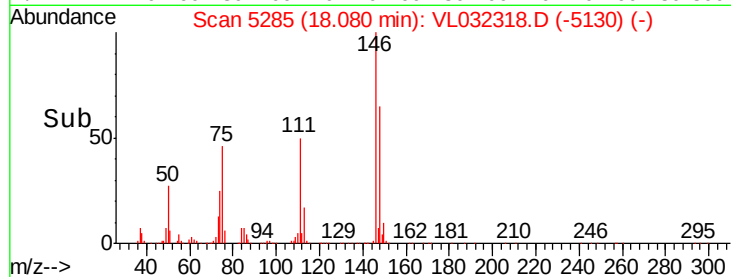
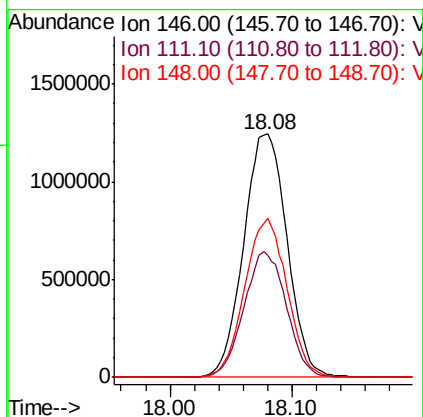
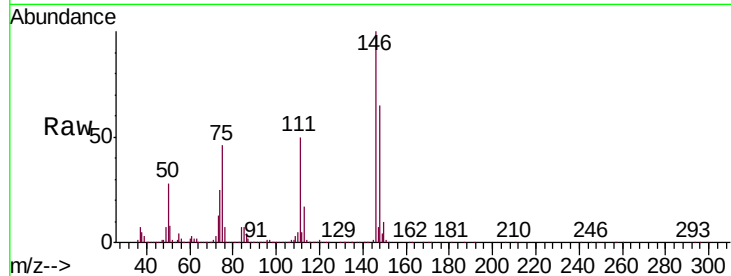
#77
 1,2-Dichlorobenzene
 Concen: 8.55 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.1	75.3
148	63.7	31.9	95.7

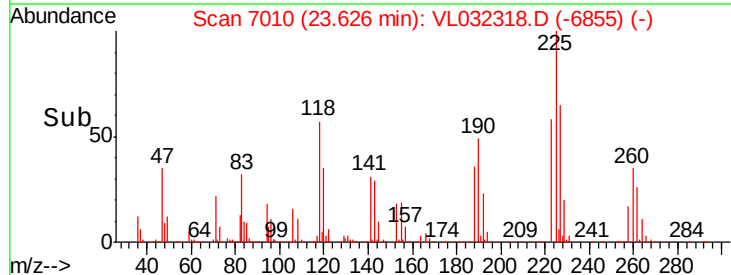
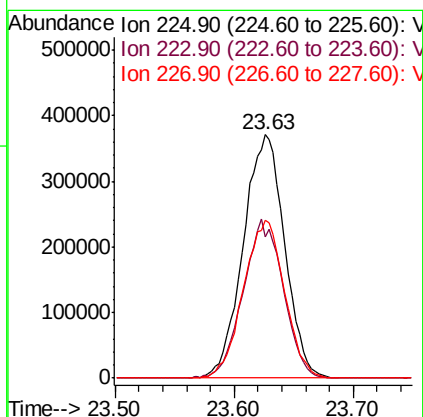
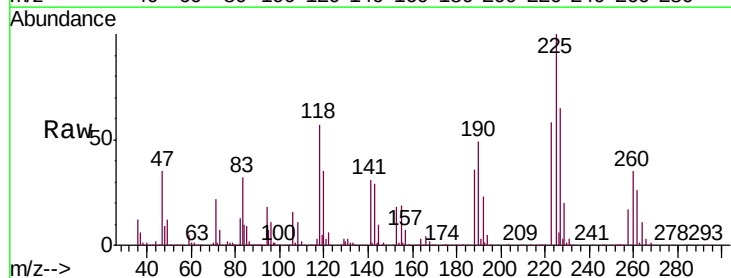
Manual Integrations
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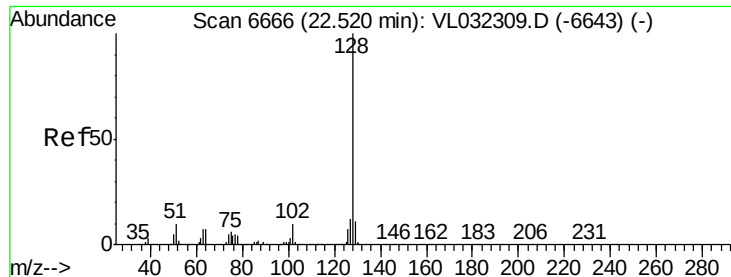
MMDadoda
 7/30/2018 11:43:05 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.06 ppbv
 RT: 23.63 min Scan# 7010
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.5	75.7
227	65.0	51.3	76.9





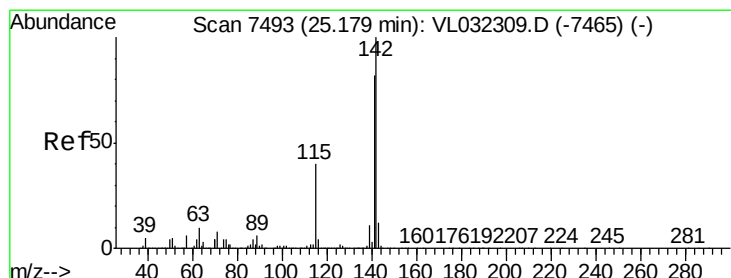
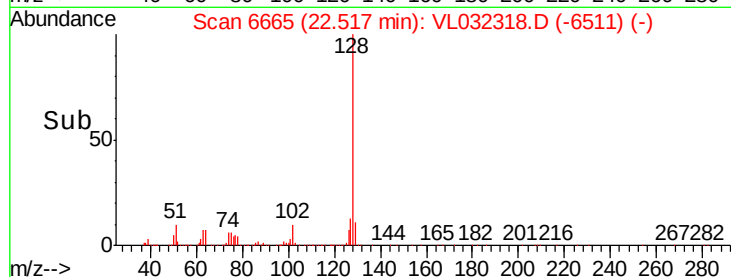
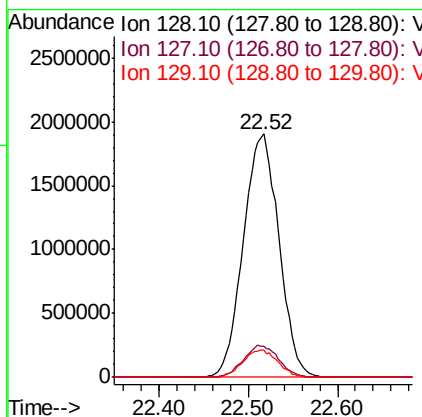
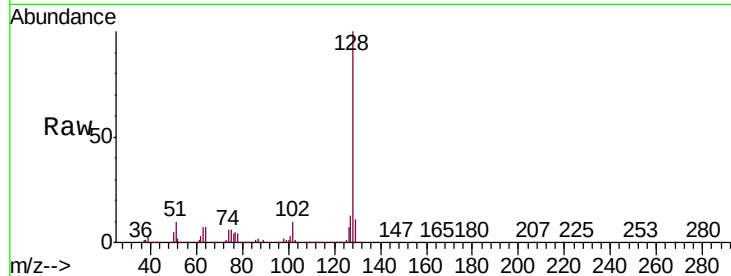
#79
Naphthalene
Concen: 9.68 ppbv
RT: 22.52 min Scan# 6665
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :
VL0727ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.2	8.8	13.2

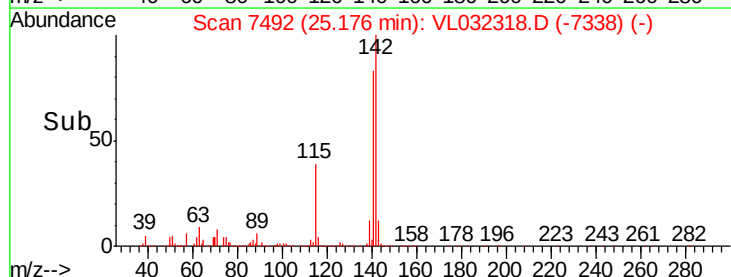
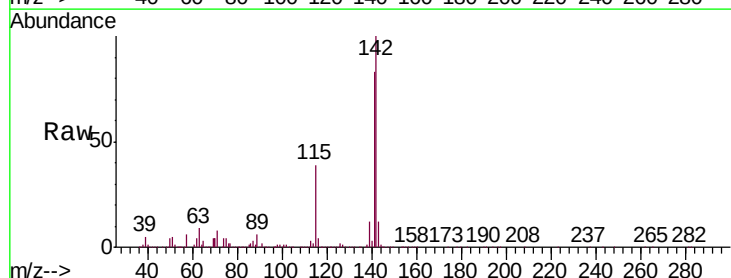
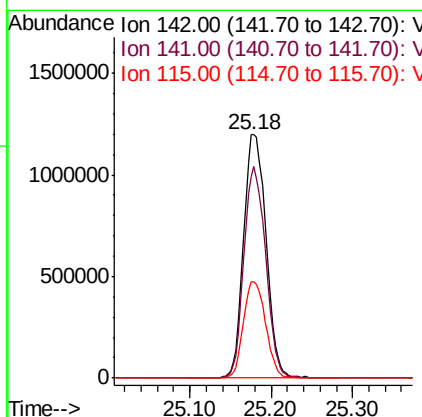
Manual Integrations
APPROVED

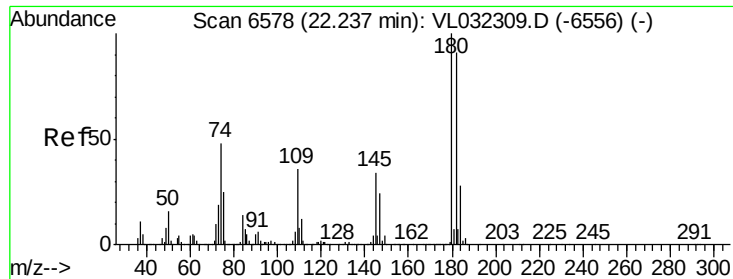
MMDadoda
7/30/2018 11:43:05 AM



#80
Naphthalene, 2-methyl-
Concen: 10.52 ppbv
RT: 25.18 min Scan# 7492
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	66.7	100.1
115	39.3	31.1	46.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.16 ppbv
 RT: 22.24 min Scan# 6578
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0727ABS01

Tot Ion:180 Resp: 2493394
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 184 30.3 24.3 36.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:05 AM

