

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032551.D
 Acq On : 27 Sep 2018 15:48
 Operator : SY/AP
 Sample : VL0927ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:36 AM

Quant Time: Sep 28 02:28:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28

QLast Update : Tue Sep 25 05:17:15 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1421126	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3345661	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3601463m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2602329	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1794188	13.650	ppbv	99
3) Chlorodifluoromethane	3.03	51	1106413	9.362	ppbv	97
4) Chloromethane	3.19	50	637516	9.251	ppbv	100
5) Vinyl Chloride	3.31	62	624927	8.975	ppbv	100
6) Bromomethane	3.53	94	362090	9.509	ppbv	99
7) Chloroethane	3.62	64	240054	9.676	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1409262	9.813	ppbv	99
9) Propene	3.05	41	490596	9.568	ppbv	100
10) Heptane	8.28	43	1942779	10.330	ppbv	98
11) Trichlorofluoromethane	4.02	101	1575718	10.084	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1276348	9.993	ppbv	99
13) Ethanol	3.67	45	115219	7.476	ppbv	100
14) Bromoethene	3.81	108	478032	10.547	ppbv	99
15) Acetone	3.92	43	1187383	9.519	ppbv	100
16) 1,3-Butadiene	3.38	39	477648	9.442	ppbv	96
17) tert-Butyl alcohol	4.38	59	153972	9.823	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	607747	10.160	ppbv	92
19) Isopropyl Alcohol	4.04	45	788974	9.080	ppbv	99
20) Methylene Chloride	4.43	84	541945	8.972	ppbv	95
21) Allyl Chloride	4.50	41	1054905	10.347	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	586324	10.400	ppbv	99
23) Vinyl Acetate	5.18	43	2202665	9.993	ppbv	98
24) 1,1-Dichloroethane	5.12	63	1772198	9.655	ppbv	99
25) Ethyl Acetate	5.80	43	2840589	9.385	ppbv	100
26) Hexane	5.81	57	1315053	9.618	ppbv	99
27) Carbon Disulfide	4.64	76	1589425	10.814	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1832753	10.761	ppbv	98
29) Chloroform	5.88	83	2035680	9.704	ppbv	98
30) Cyclohexane	7.28	84	1214969	10.914	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	1334501	10.248	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	2054952	9.192	ppbv	98
34) 2-Butanone	5.35	43	1925802	9.666	ppbv	99
35) Carbon Tetrachloride	7.16	117	2185676	9.401	ppbv	98
36) Benzene	7.04	78	2817699	10.421	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1633242	10.023	ppbv	98
38) Trichloroethene	7.99	130	1057907	10.222	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1175916	9.651	ppbv	98
40) 1,4-Dioxane	7.99	88	366659	9.814	ppbv	94
41) Tetrahydrofuran	6.18	42	1191979	11.012	ppbv	97
42) Bromodichloromethane	7.95	83	2418971	9.909	ppbv	99
43) Methyl Methacrylate	8.17	69	1222390	10.823	ppbv	99

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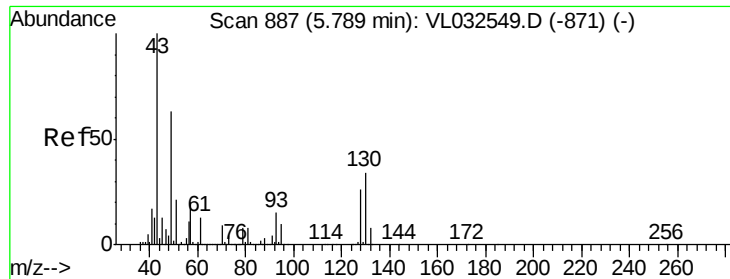
Manual Integrations
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Quant Time: Sep 28 02:28:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5168839	9.782	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1609958	11.459	ppbv	100
46) cis-1,3-Dichloropropene	8.87	75	1757931	10.667	ppbv	98
47) 1,1,2-Trichloroethane	9.65	97	1300621	9.611	ppbv	99
48) Dibromochloromethane	10.49	129	2166020	10.179	ppbv	100
49) Bromoform	13.24	173	1681495	10.341	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3001197	9.583	ppbv	99
51) 2-Hexanone	10.31	43	2720021	10.502	ppbv	100
52) Tetrachloroethene	11.41	164	915440	9.724	ppbv	99
53) Toluene	9.98	91	3622531	10.994	ppbv	100
54) 1,2-Dibromoethane	10.80	107	1936736	10.062	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.32	131	1453154	8.976	ppbv #	62
57) Chlorobenzene	12.34	112	2531810	8.727	ppbv	98
58) Ethyl Benzene	12.90	91	4515567	10.336	ppbv	99
59) m/p-Xylene	13.19	91	7468974m	19.216	ppbv	
60) o-Xylene	13.88	91	3681314	9.728	ppbv	100
61) Styrene	13.72	104	2675937	10.810	ppbv	99
62) Isopropylbenzene	14.86	105	5171486	9.663	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2796930	8.319	ppbv	99
64) n-propylbenzene	15.76	120	1334058	9.703	ppbv	98
65) tert-Butylbenzene	16.95	119	4326752	9.433	ppbv	99
66) Benzyl Chloride	17.19	91	2558108	9.676	ppbv	100
67) sec-Butylbenzene	17.50	105	6421157	9.415	ppbv	99
69) p-Isopropyltoluene	17.85	119	5075297	9.635	ppbv	100
70) n-Butylbenzene	18.75	91	5529092	9.610	ppbv	99
71) 2-Chlorotoluene	15.66	91	4024828	9.874	ppbv	99
72) 4-Ethyltoluene	16.04	105	4191370	10.204	ppbv	100
73) 1,3,5-Trimethylbenzene	16.19	105	4030705	10.098	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	4044177	9.409	ppbv	99
75) 1,3-Dichlorobenzene	17.20	146	2235666	8.430	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2226692	9.169	ppbv	100
77) 1,2-Dichlorobenzene	18.03	146	2205107	8.841	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	726487	7.761	ppbv	100
79) Naphthalene	22.46	128	3500428	11.292	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	1044150	14.347	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	1643358	10.343	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL032551.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 49 Resp: 1421126

Ion Ratio Lower Upper

49 100

128 42.6 20.7 62.1

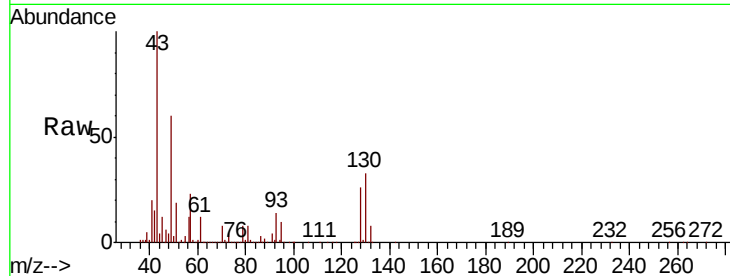
130 54.3 26.6 79.7

Manual Integrations

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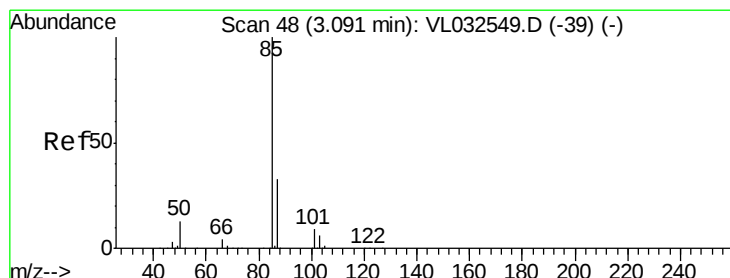
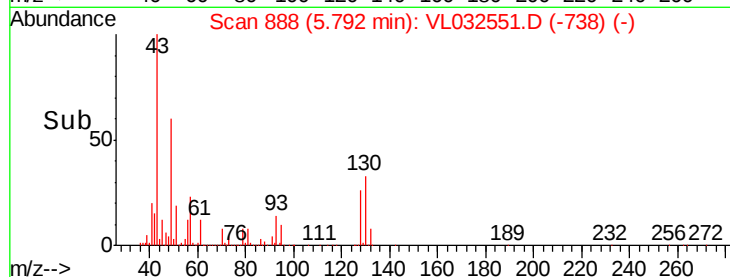
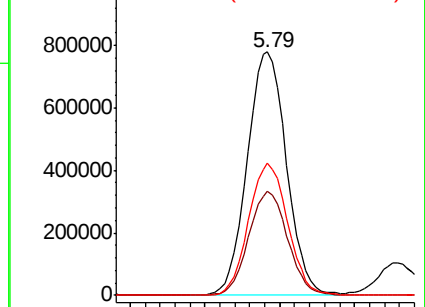
10/1/2018 11:57:36 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 13.650 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032551.D

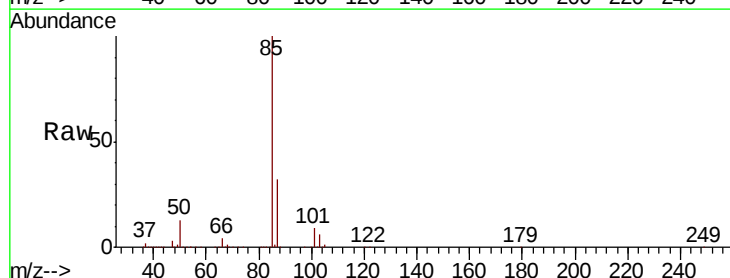
Acq: 27 Sep 2018 15:48

Tgt Ion: 85 Resp: 1794188

Ion Ratio Lower Upper

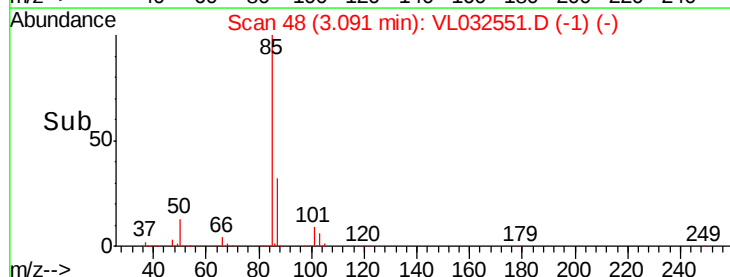
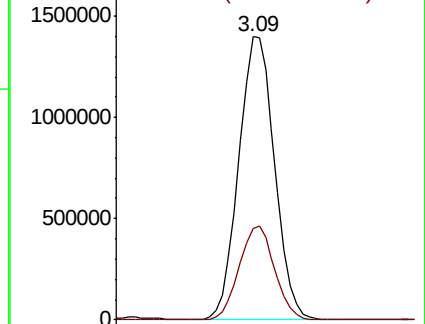
85 100

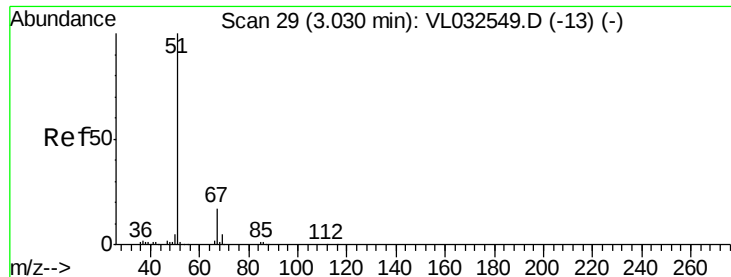
87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.362 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 51 Resp: 1106413

Ion Ratio Lower Upper

51 100

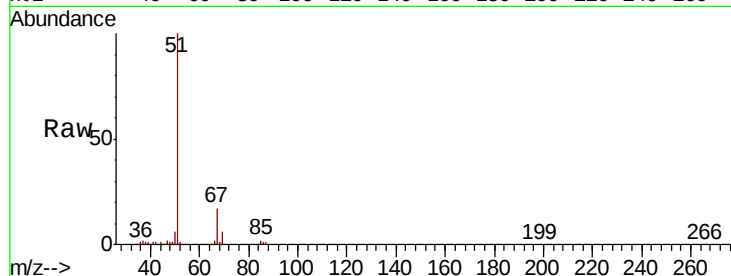
67 18.4 13.8 20.8

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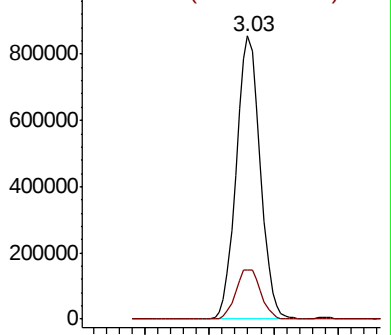
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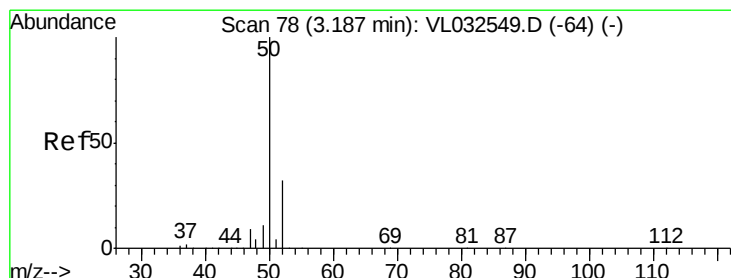
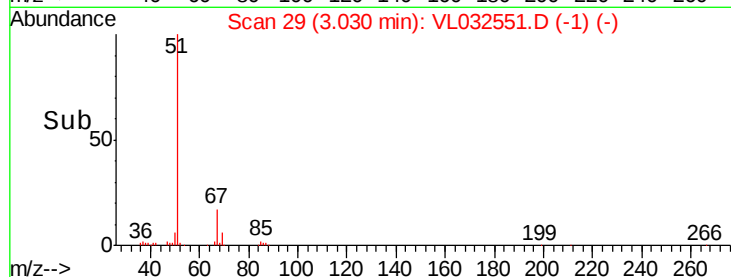


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.251 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032551.D

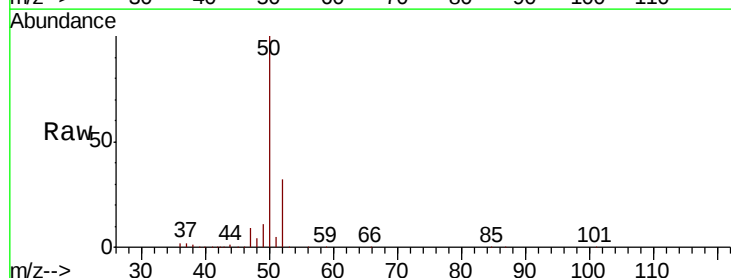
Acq: 27 Sep 2018 15:48

Tgt Ion: 50 Resp: 637516

Ion Ratio Lower Upper

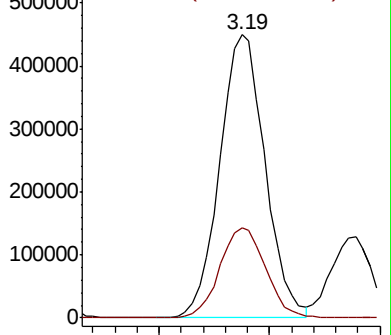
50 100

52 31.7 25.6 38.4

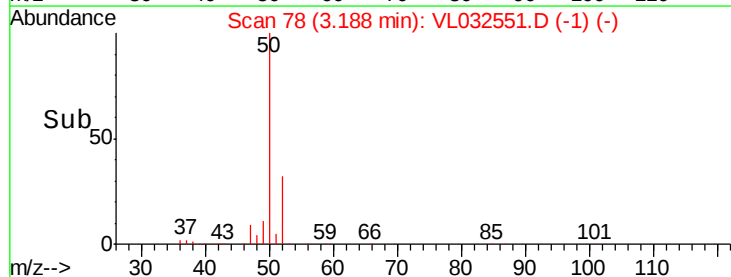


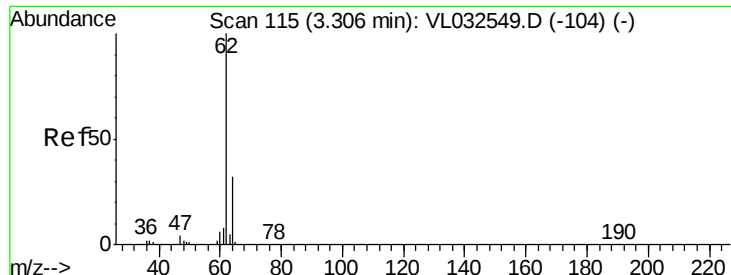
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 8.975 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 62 Resp: 624927

Ion Ratio Lower Upper

62 100

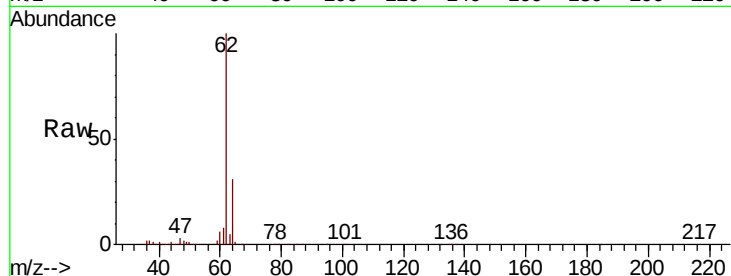
64 31.2 25.0 37.6

Manual Integrations

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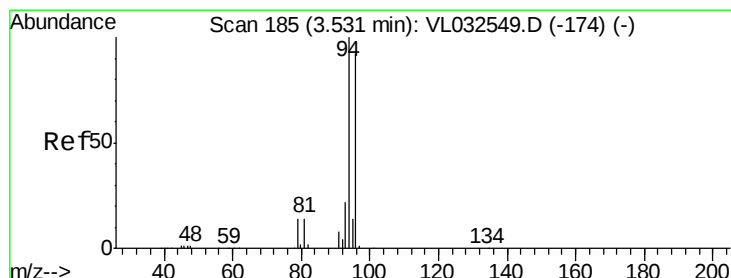
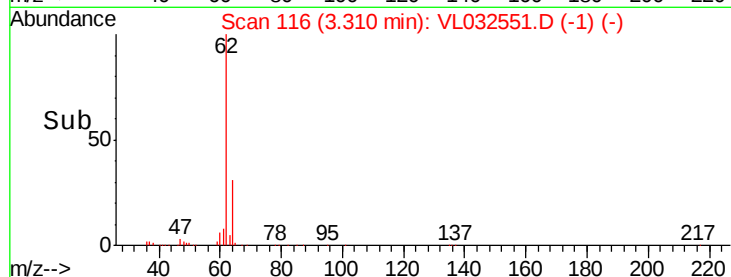
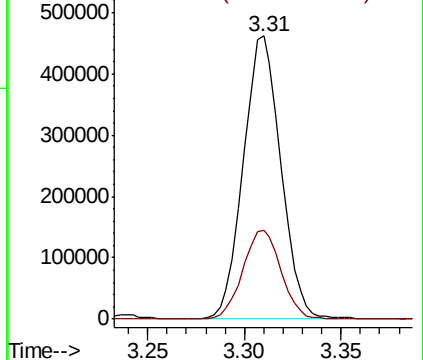
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.509 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032551.D

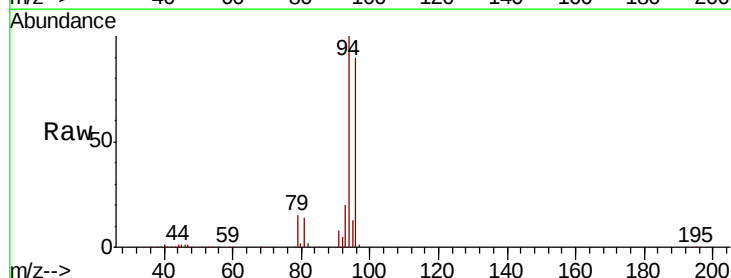
Acq: 27 Sep 2018 15:48

Tgt Ion: 94 Resp: 362090

Ion Ratio Lower Upper

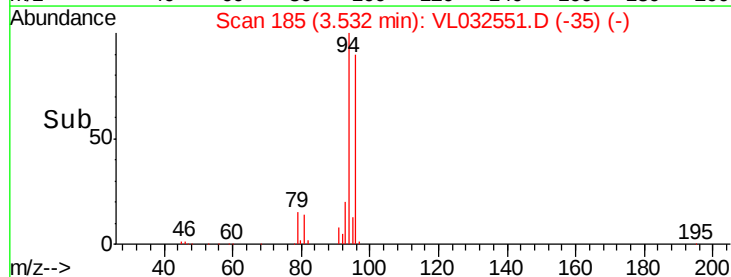
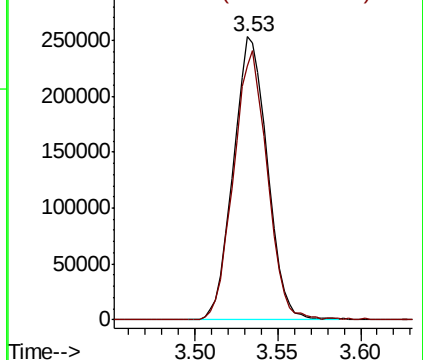
94 100

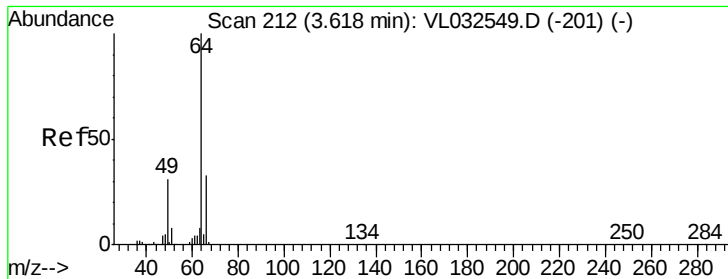
96 89.8 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.676 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

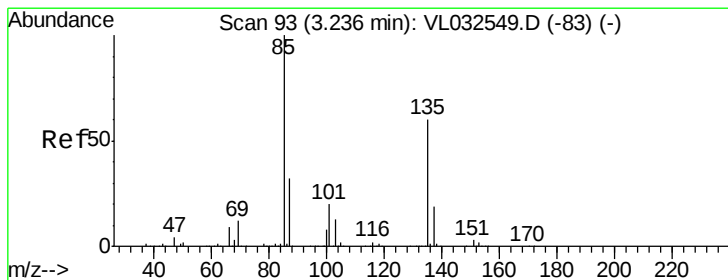
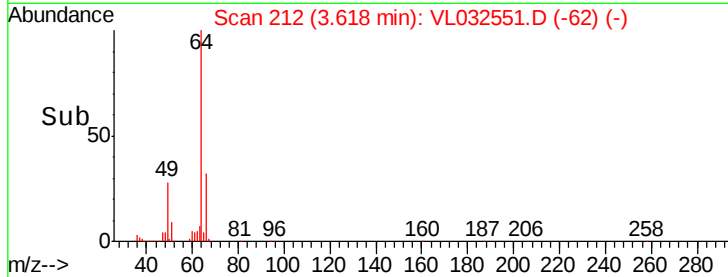
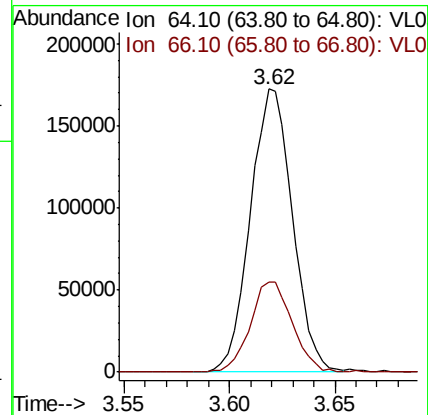
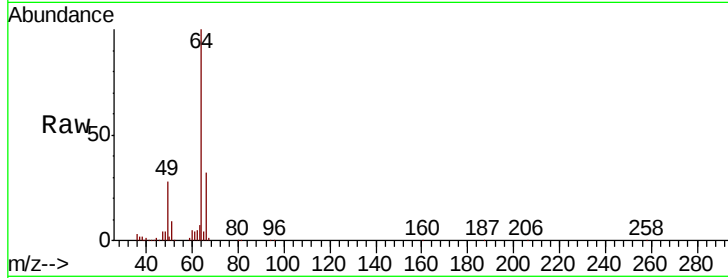
ClientSampleId :

VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.8	38.6

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#8

Dichlorotetrafluoroethane

Concen: 9.813 ppbv

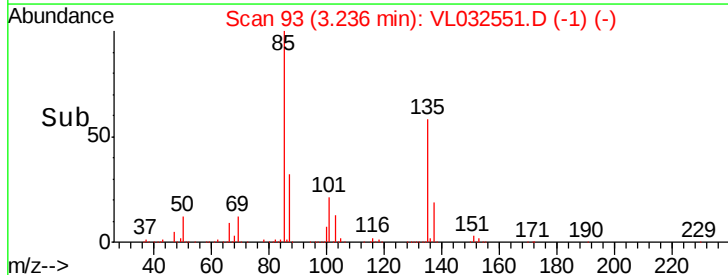
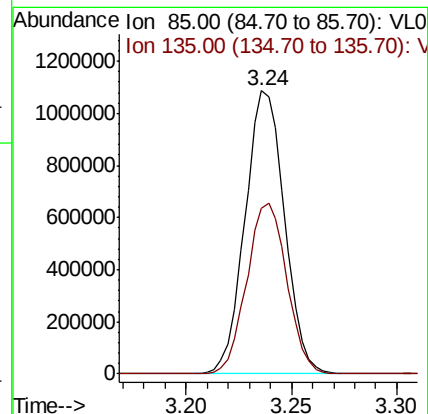
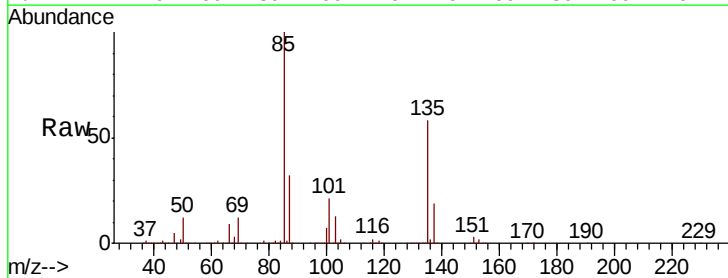
RT: 3.24 min Scan# 93

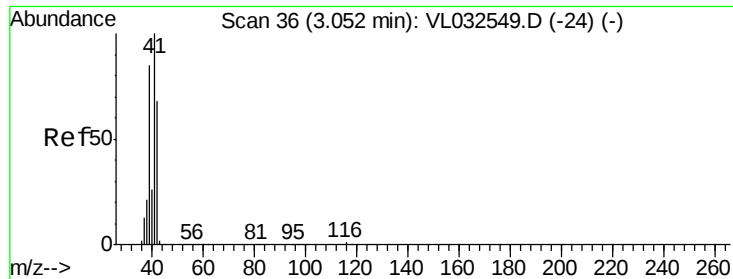
Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
85	100		
135	61.7	48.6	72.8





#9

Propene

Concen: 9.568 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 41 Resp: 490596

Ion Ratio Lower Upper

41 100

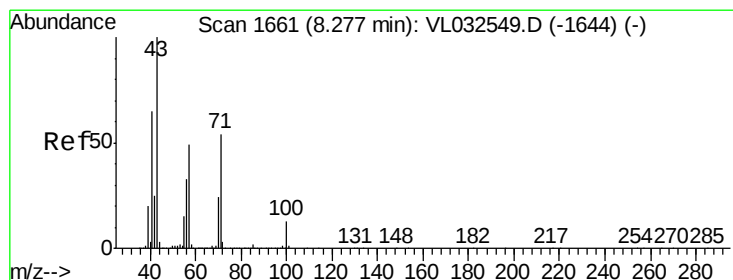
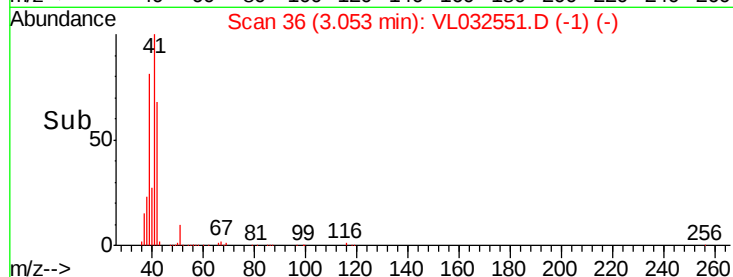
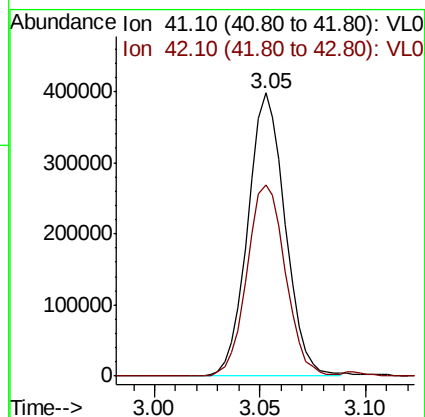
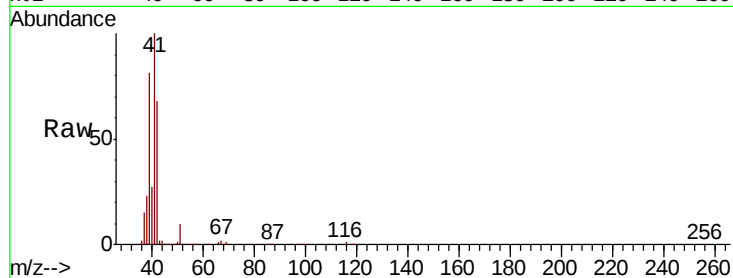
42 71.0 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 10.330 ppbv

RT: 8.28 min Scan# 1662

Delta R.T. -0.02 min

Lab File: VL032551.D

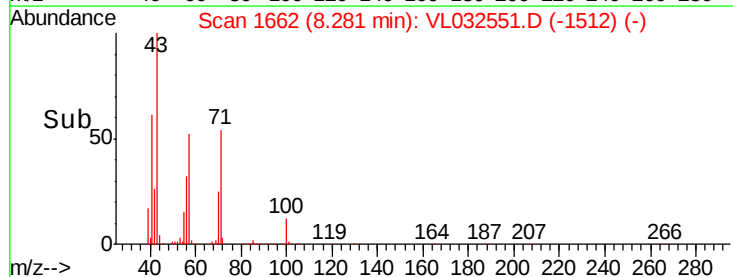
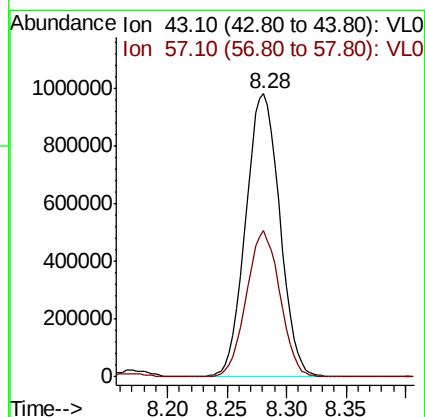
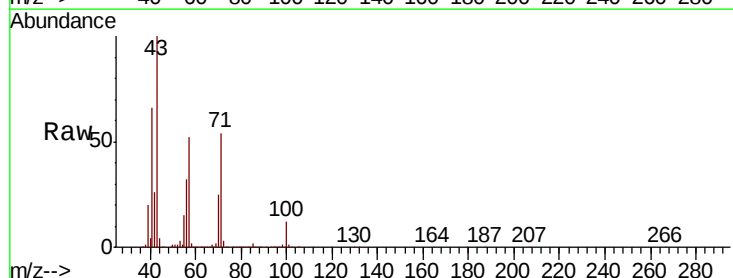
Acq: 27 Sep 2018 15:48

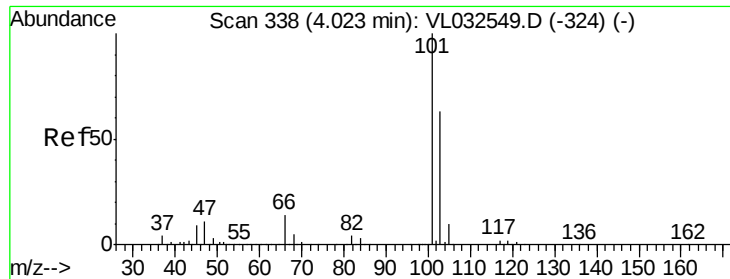
Tgt Ion: 43 Resp: 1942779

Ion Ratio Lower Upper

43 100

57 50.9 39.6 59.4





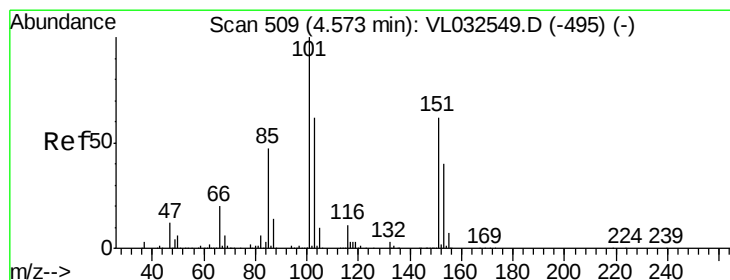
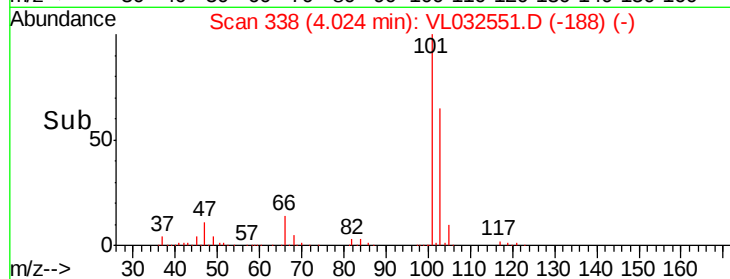
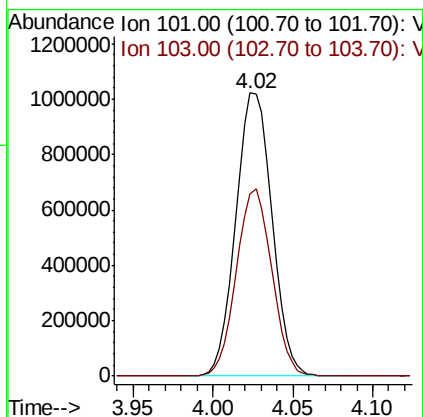
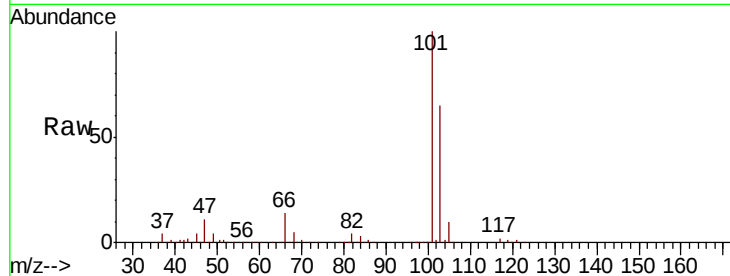
#11
 Trichlorofluoromethane
 Concen: 10.084 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:101 Resp: 1575718
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2

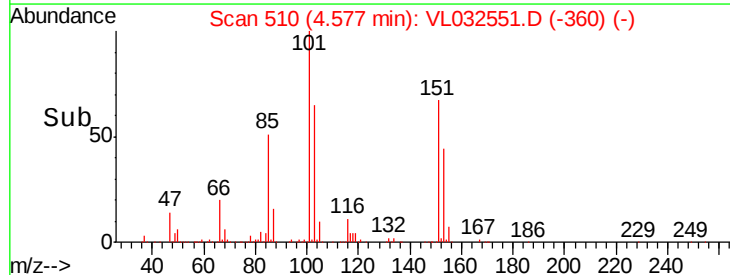
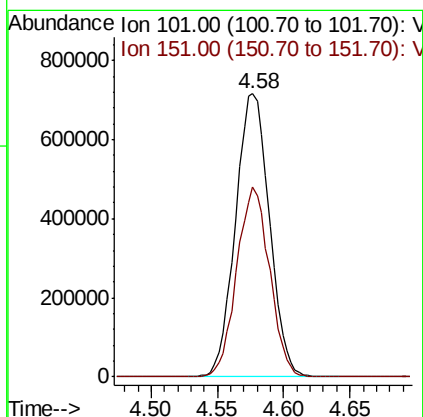
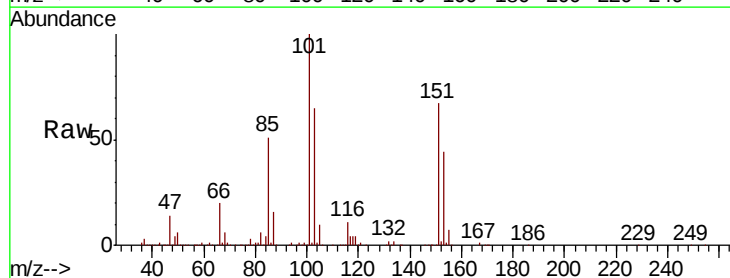
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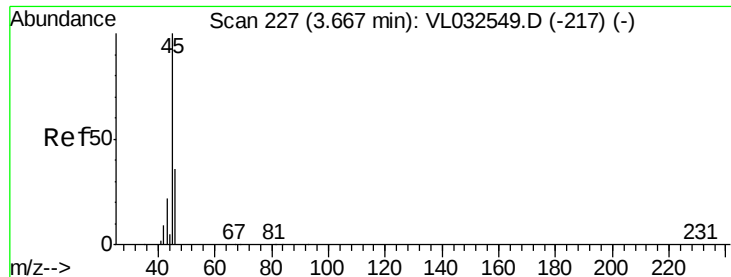
MMDadoda
 10/1/2018 11:57:36 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.993 ppbv
 RT: 4.58 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion:101 Resp: 1276348
 Ion Ratio Lower Upper
 101 100
 151 65.0 52.6 78.8





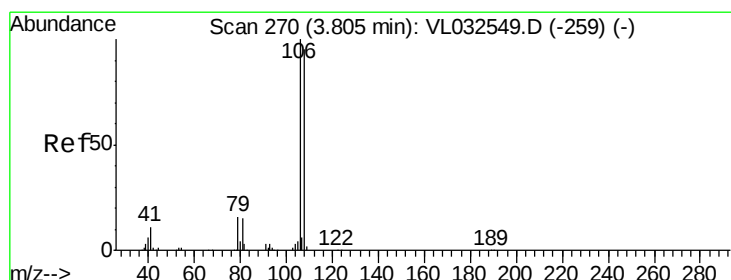
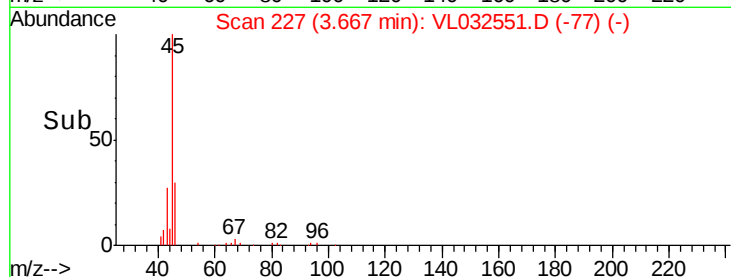
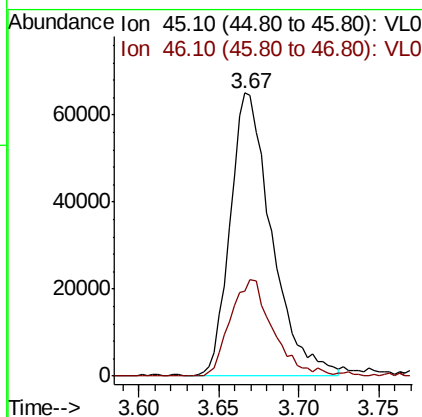
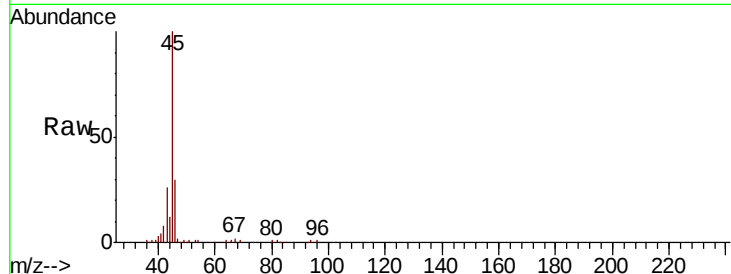
#13
Ethanol
Concen: 7.476 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 45 Resp: 115219
Ion Ratio Lower Upper
45 100
46 35.5 14.2 56.8

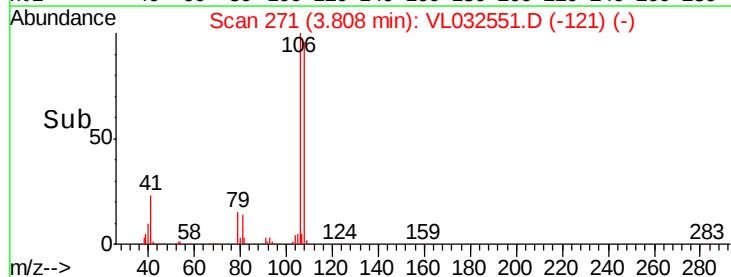
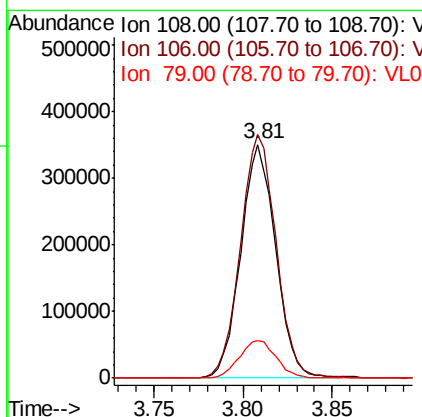
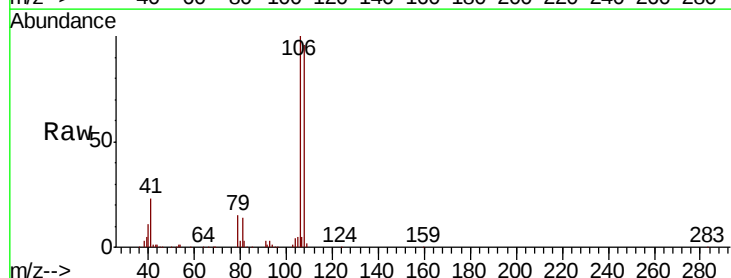
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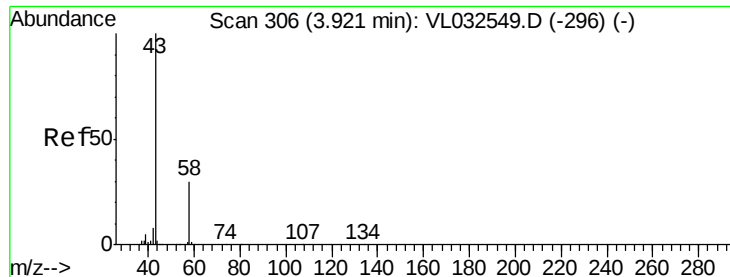
MMDadoda
10/1/2018 11:57:36 AM



#14
Bromoethene
Concen: 10.547 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 108 Resp: 478032
Ion Ratio Lower Upper
108 100
106 106.6 85.5 128.3
79 17.2 13.0 19.6





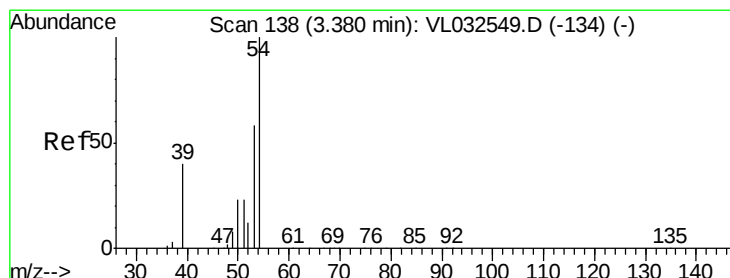
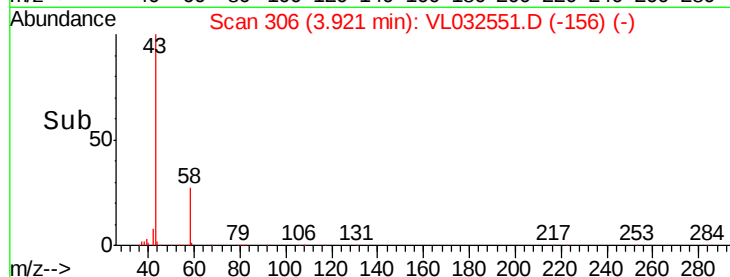
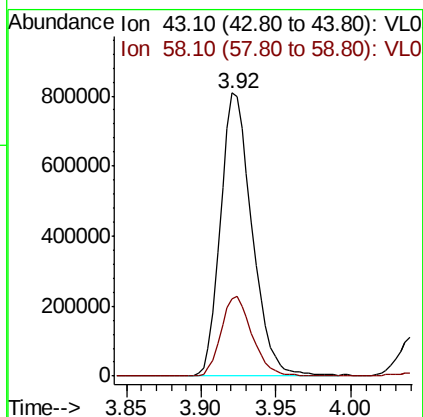
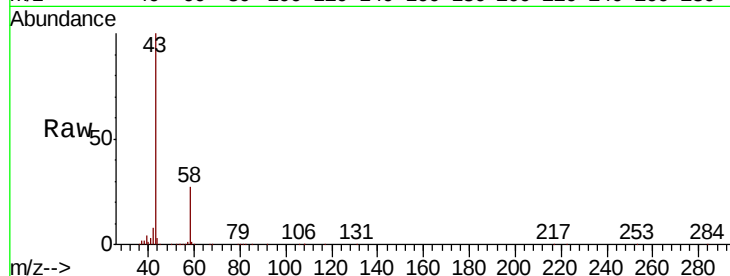
#15
Acetone
Concen: 9.519 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 43 Resp: 1187383
Ion Ratio Lower Upper
43 100
58 28.0 22.6 33.8

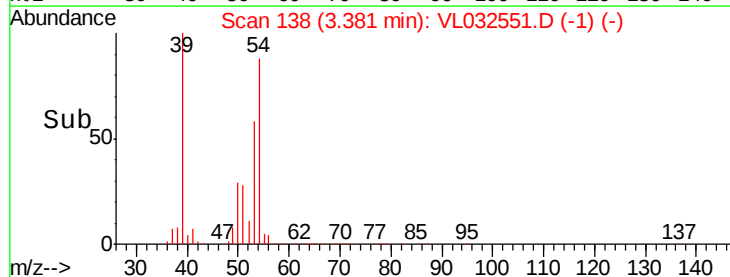
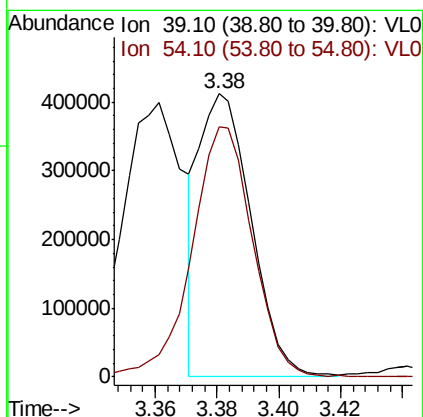
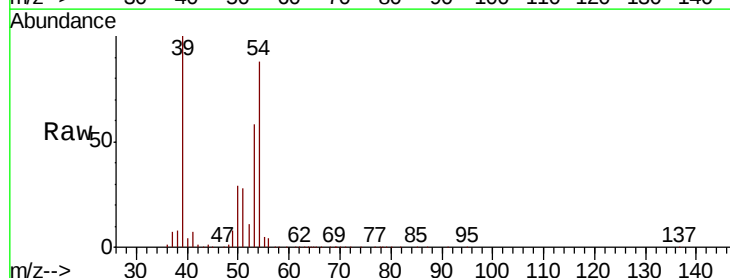
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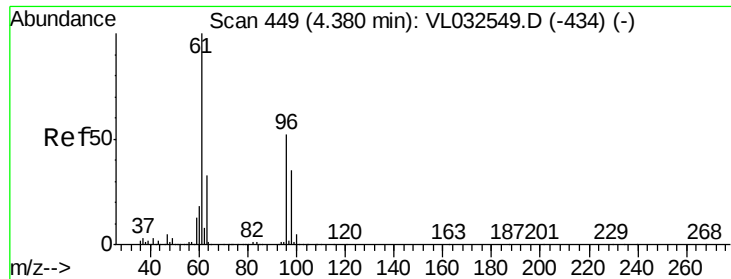
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#16
1,3-Butadiene
Concen: 9.442 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 39 Resp: 477648
Ion Ratio Lower Upper
39 100
54 104.9 80.8 121.2





#17

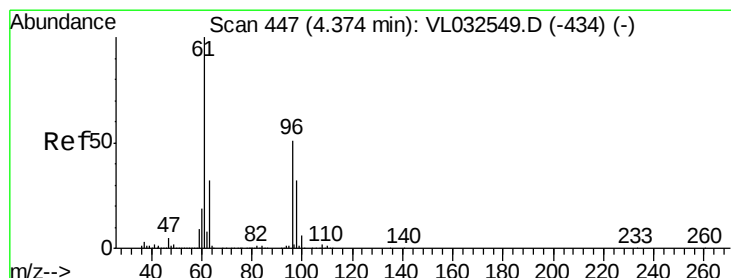
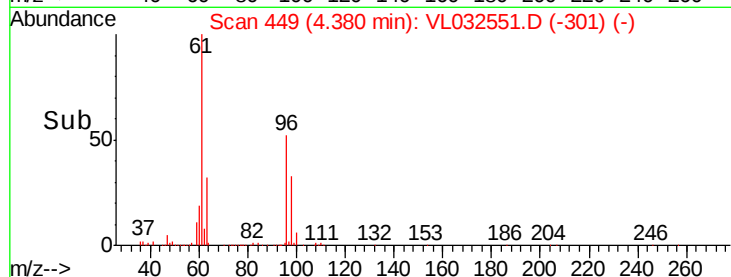
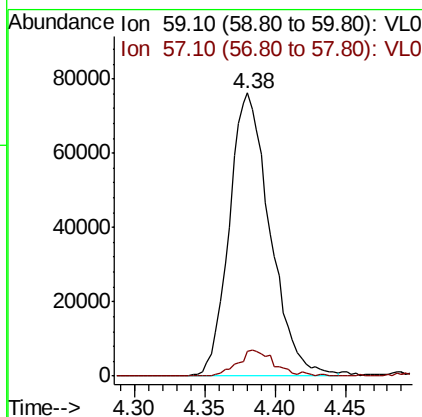
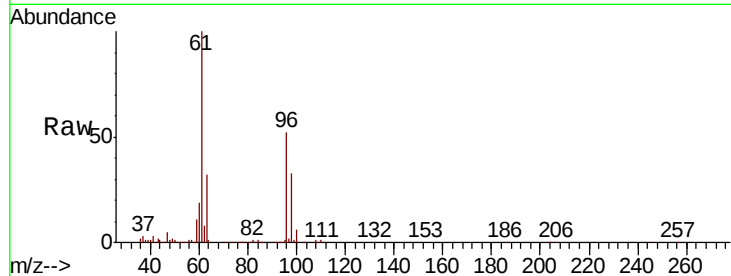
tert-Butyl alcohol
Concen: 9.823 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 59 Resp: 153972
Ion Ratio Lower Upper
59 100
57 8.3 0.0 0.0#

Manual Integrations
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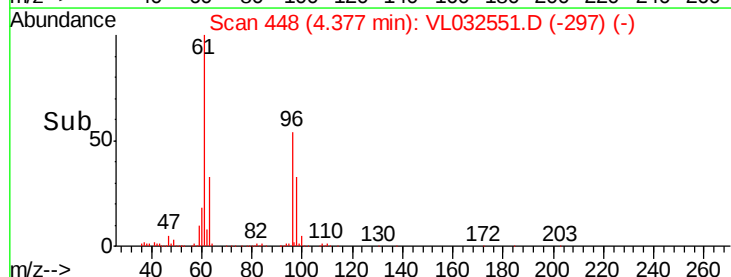
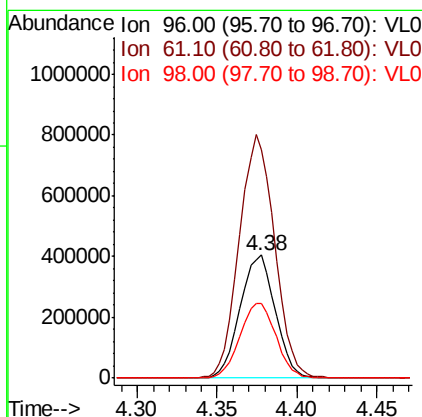
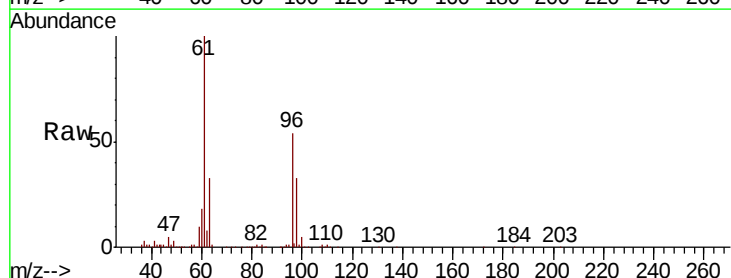
MMDadoda
10/1/2018 11:57:36 AM

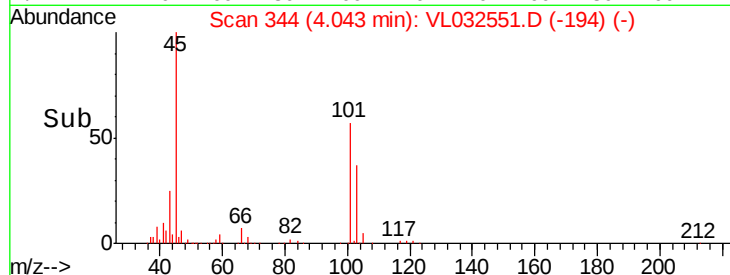
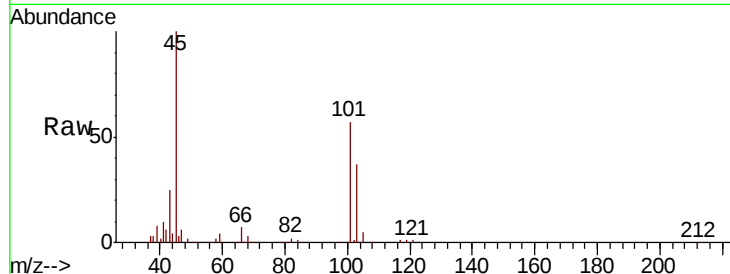
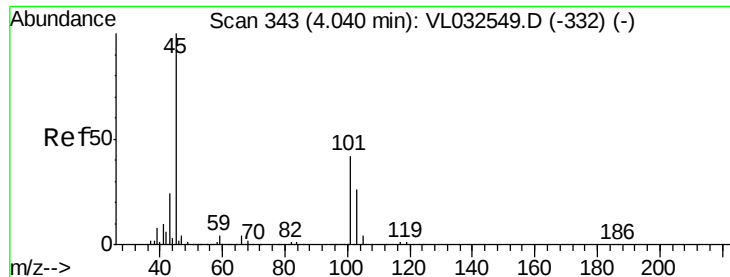


#18

1,1-Dichloroethene
Concen: 10.160 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 96 Resp: 607747
Ion Ratio Lower Upper
96 100
61 185.0 159.2 238.8
98 60.6 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.080 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 45 Resp: 788974

Ion Ratio Lower Upper

45 100

58 2.2 2.0 3.0

Instrument :

MSVOA_L

ClientSampleId :

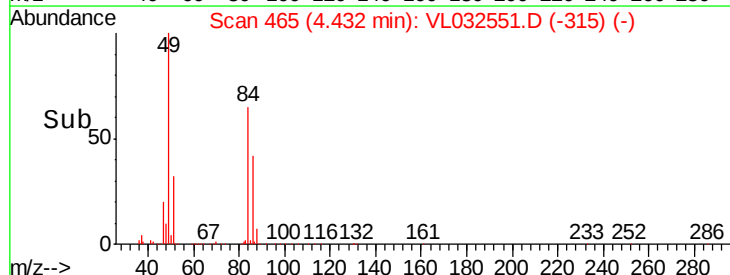
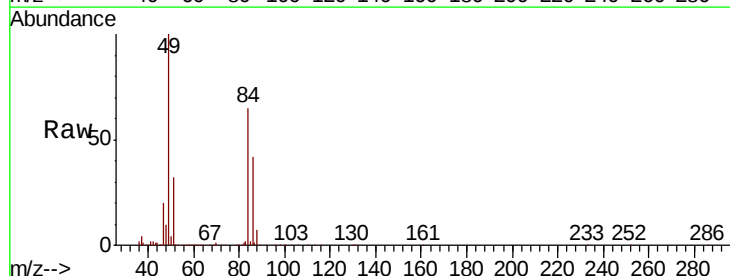
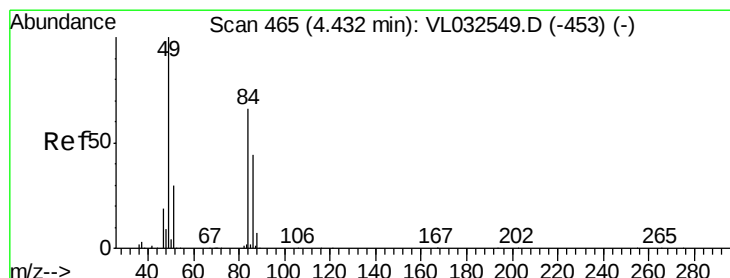
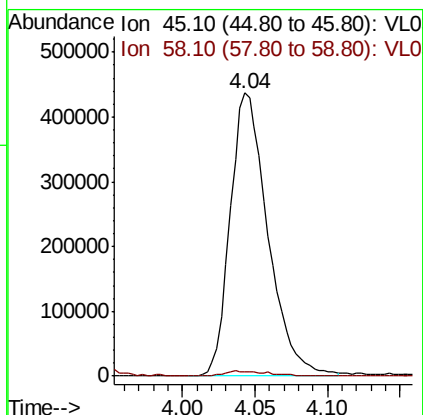
VL0927ABS01

Manual Integrations

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#20

Methylene Chloride

Concen: 8.972 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 84 Resp: 541945

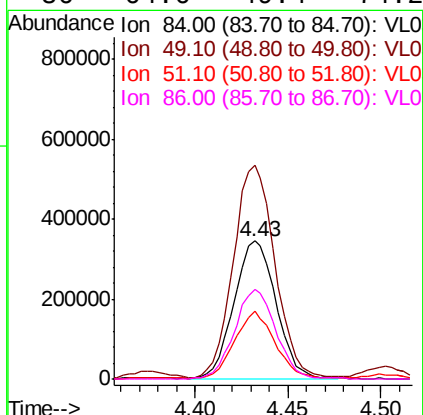
Ion Ratio Lower Upper

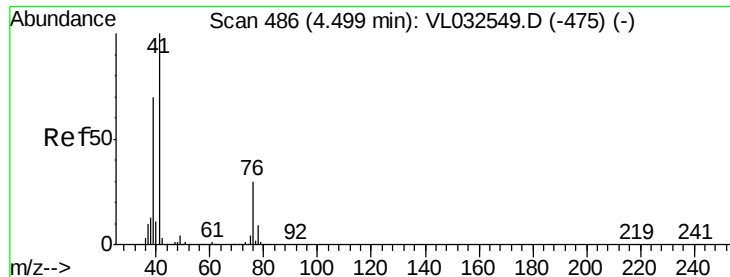
84 100

49 154.4 119.1 178.7

51 49.2 35.2 52.8

86 64.6 49.4 74.2





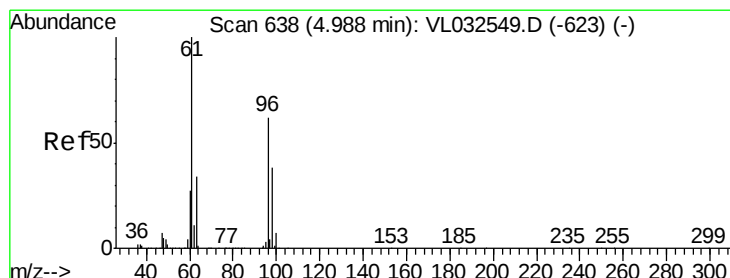
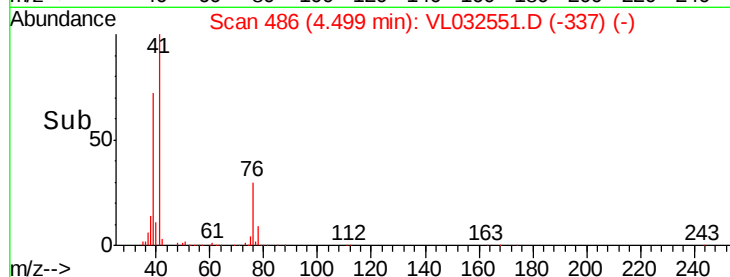
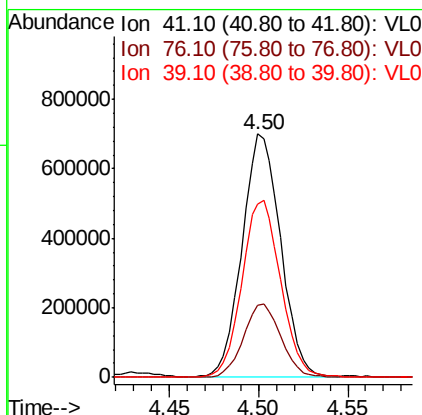
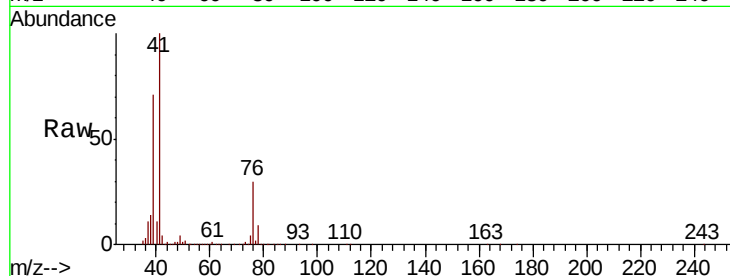
#21
 Allyl Chloride
 Concen: 10.347 ppbv
 RT: 4.50 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 41 Resp: 1054905
 Ion Ratio Lower Upper
 41 100
 76 29.6 23.6 35.4
 39 73.5 57.7 86.5

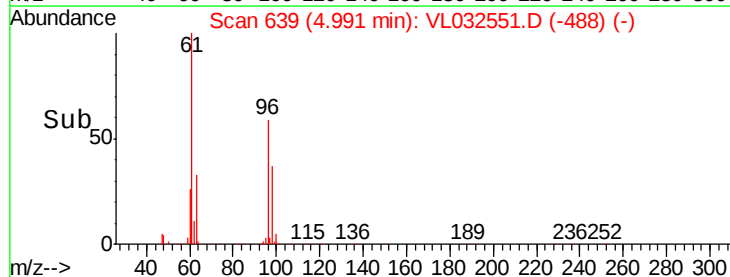
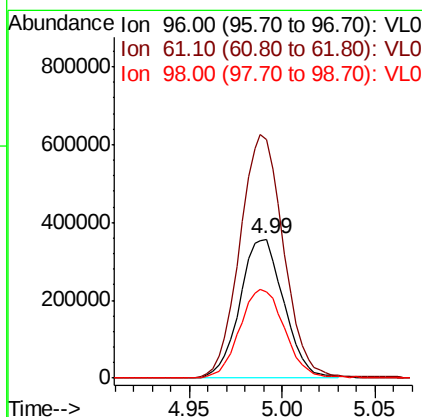
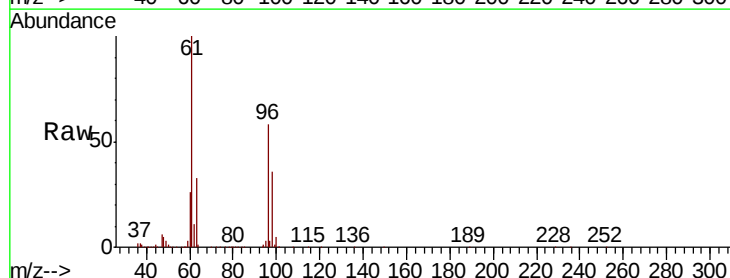
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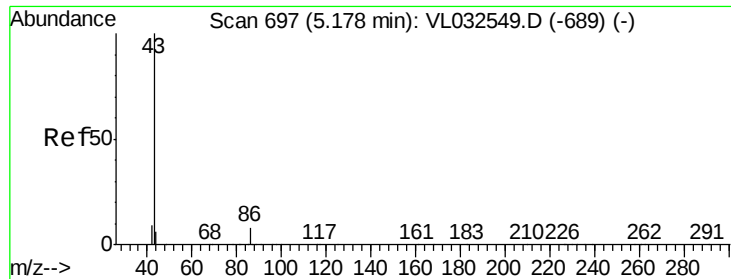
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 10.400 ppbv
 RT: 4.99 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 96 Resp: 586324
 Ion Ratio Lower Upper
 96 100
 61 172.2 136.2 204.4
 98 62.3 50.4 75.6





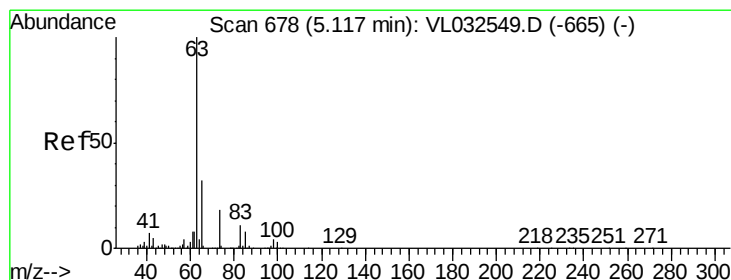
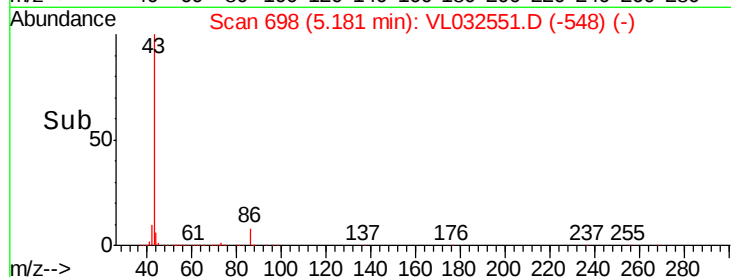
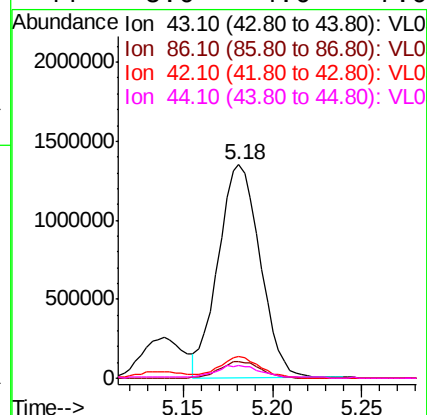
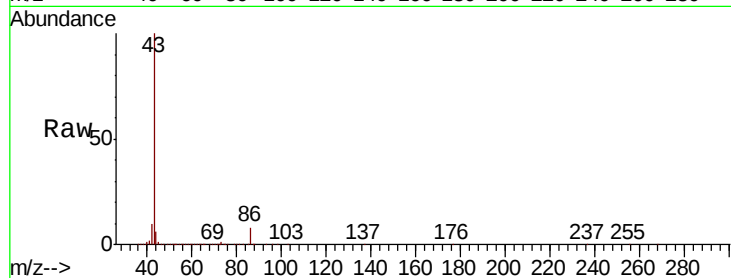
#23
 Vinyl Acetate
 Concen: 9.993 ppbv
 RT: 5.18 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	10.2	6.9	10.3
44	5.6	4.6	7.0

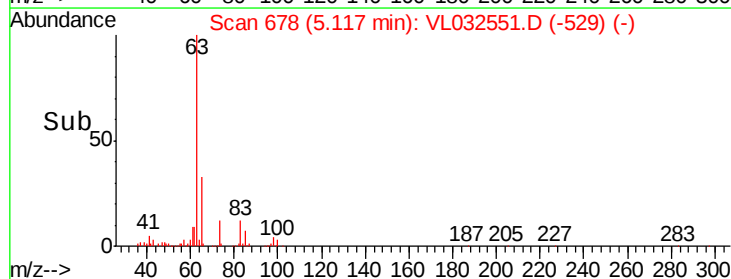
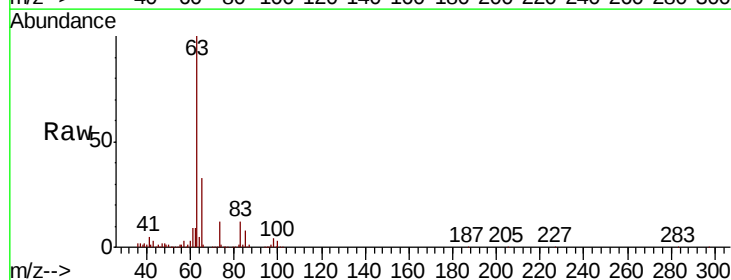
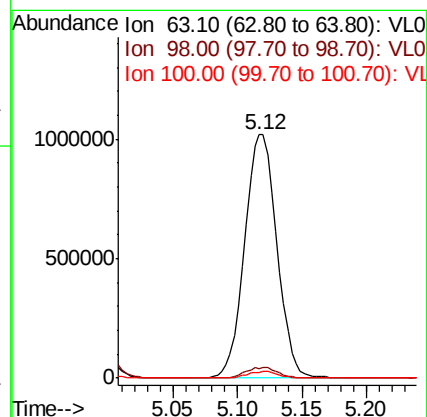
Manual Integrations
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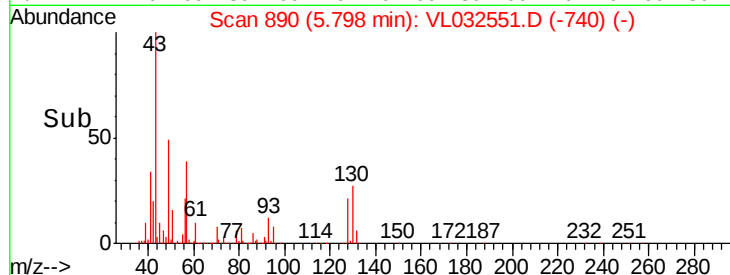
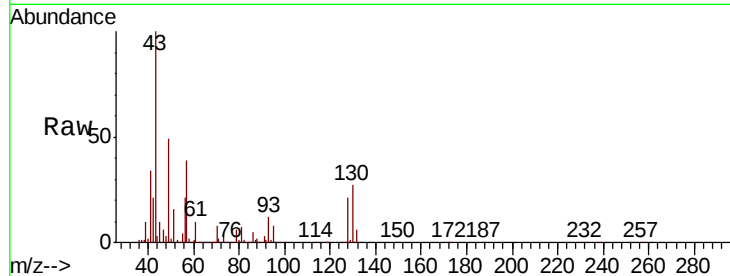
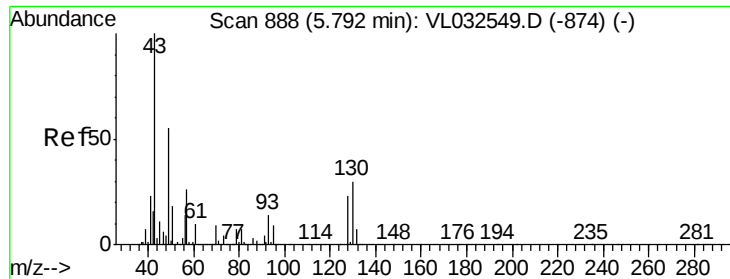
MMDadoda
 10/1/2018 11:57:36 AM



#24
 1,1-Dichloroethane
 Concen: 9.655 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.5
100	2.5	1.5	4.4





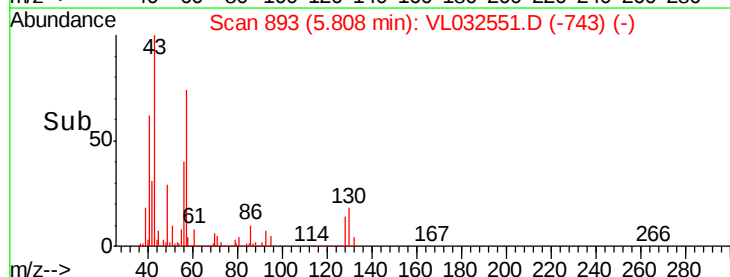
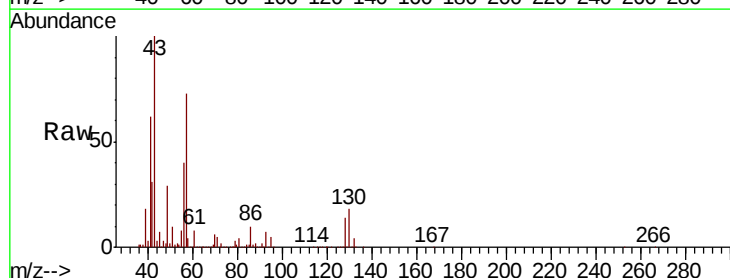
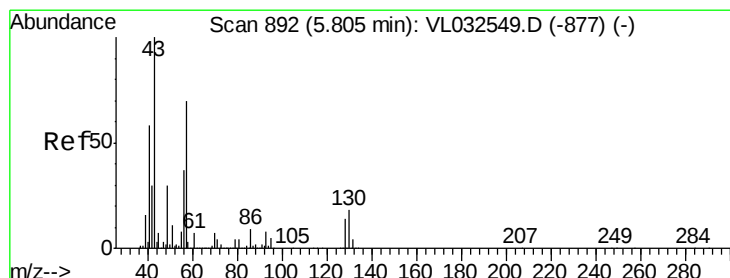
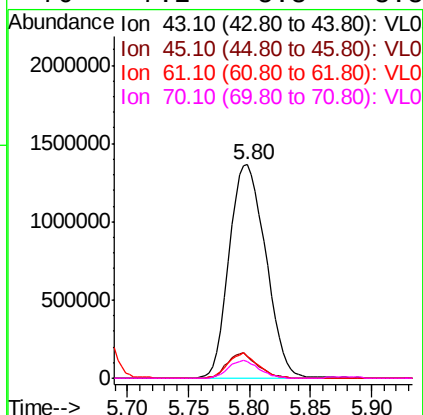
#25
Ethyl Acetate
Concen: 9.385 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.8	7.6	11.4
70	7.2	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

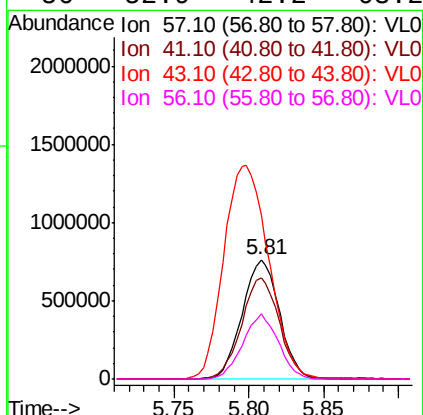
Manual Integrations
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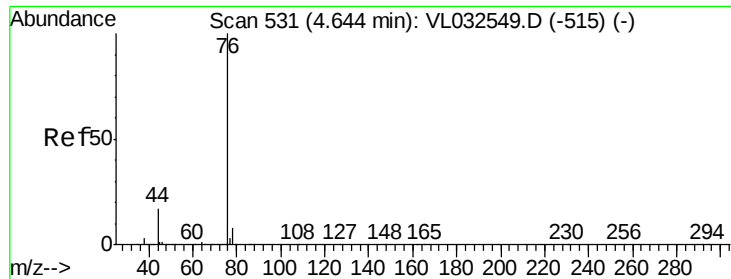
MMDadoda
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#26
Hexane
Concen: 9.618 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.6	69.0	103.4
43	217.1	172.1	258.1
56	52.9	42.2	63.2





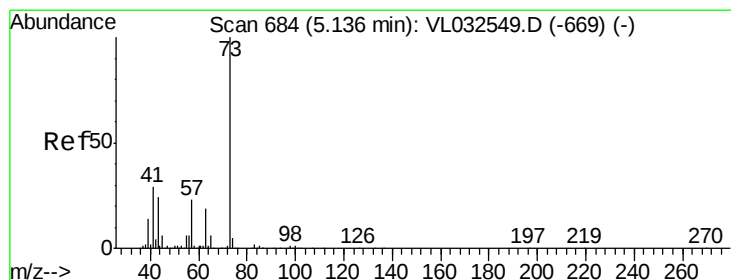
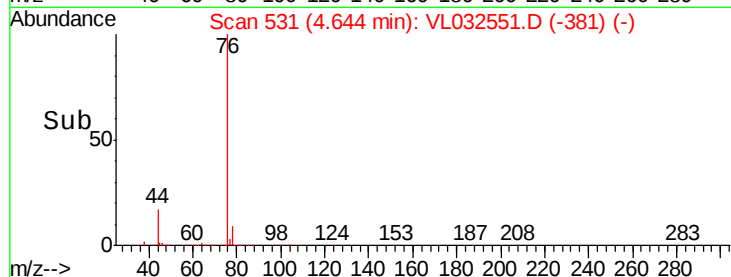
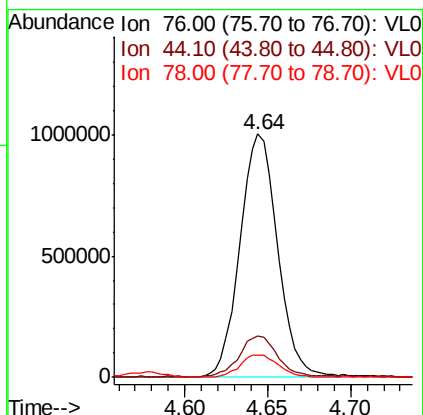
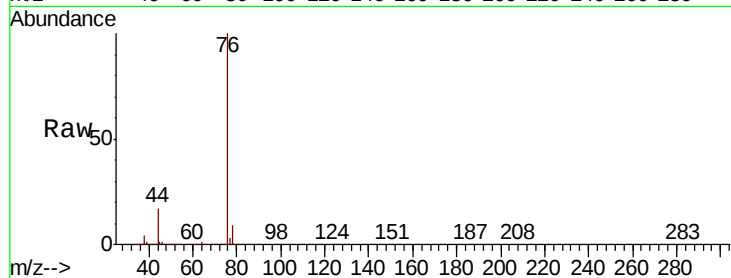
#27
Carbon Disulfide
Concen: 10.814 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
76	100		
44	16.9	14.0	21.0
78	9.3	7.5	11.3

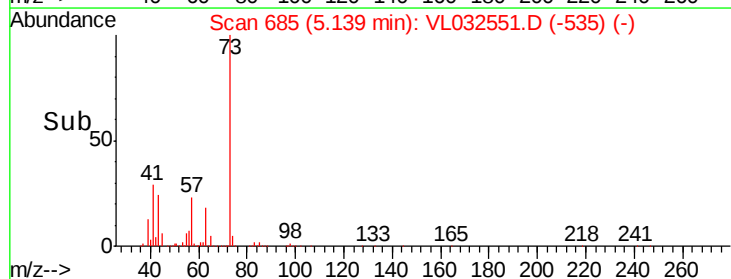
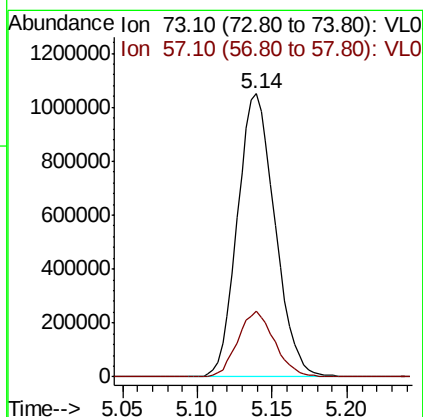
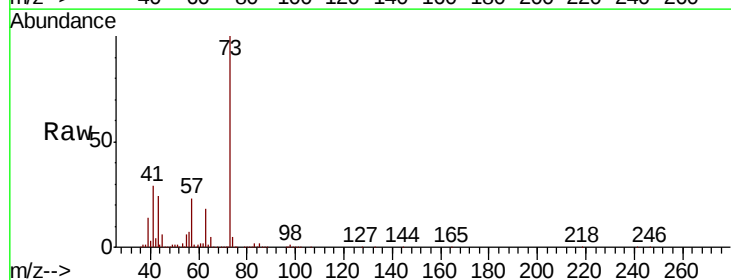
Manual Integrations
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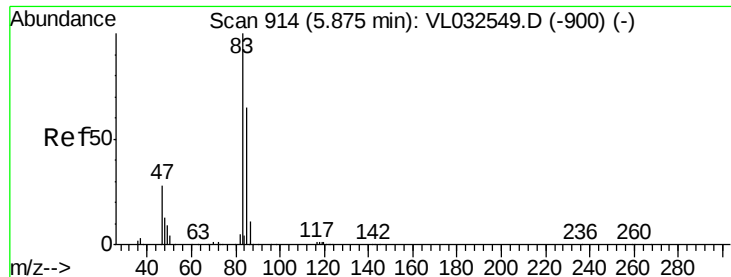
MMDadoda
10/1/2018 11:57:36 AM



#28
Methyl tert-Butyl Ether
Concen: 10.761 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.3	28.9





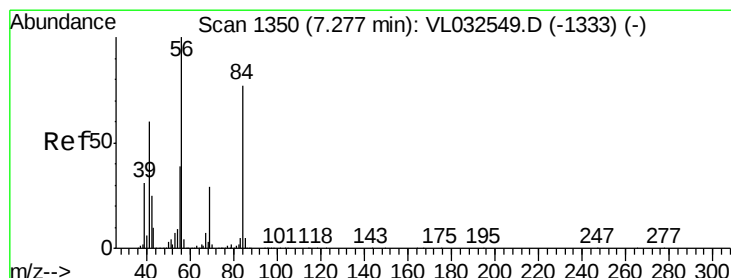
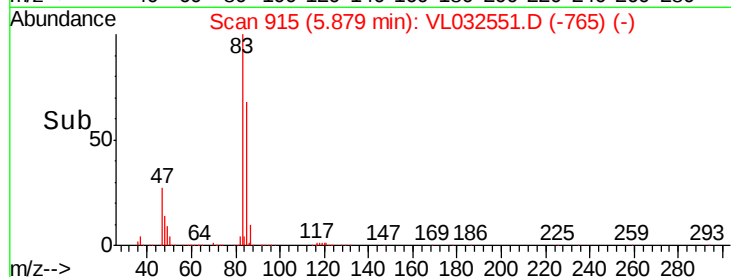
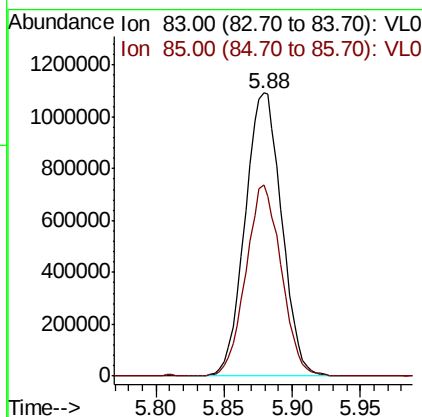
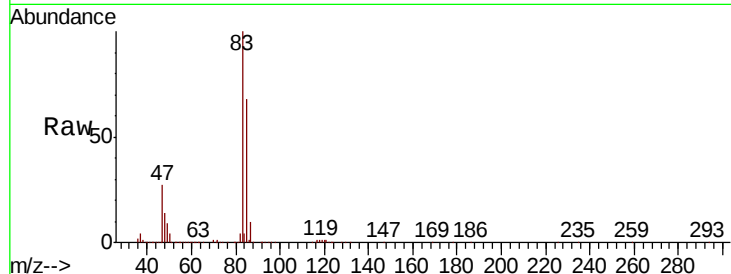
#29
Chloroform
Concen: 9.704 ppbv
RT: 5.88 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 83 Resp: 2035680
Ion Ratio Lower Upper
83 100
85 67.3 52.5 78.7

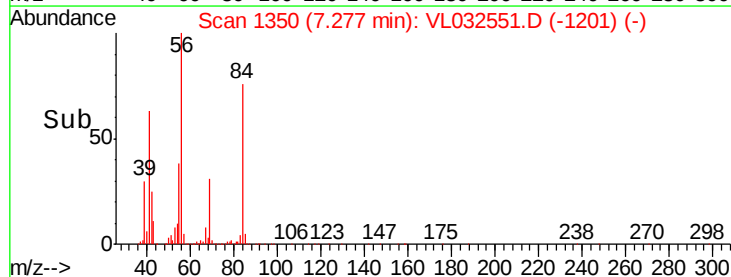
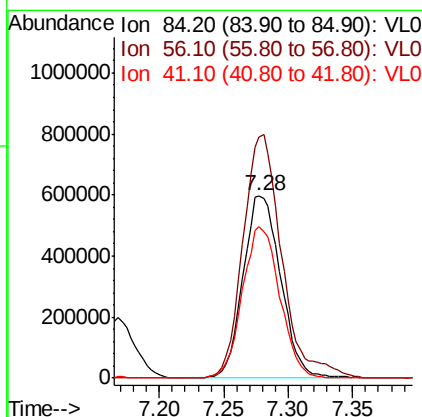
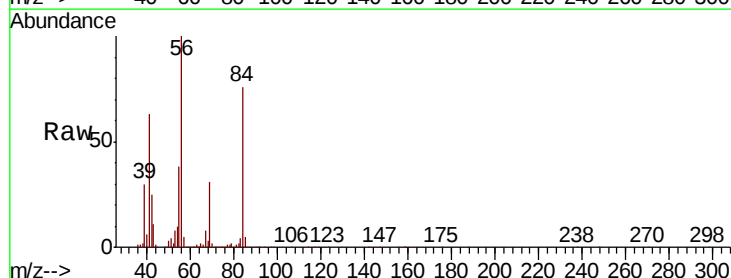
Manual Integrations
APPROVED

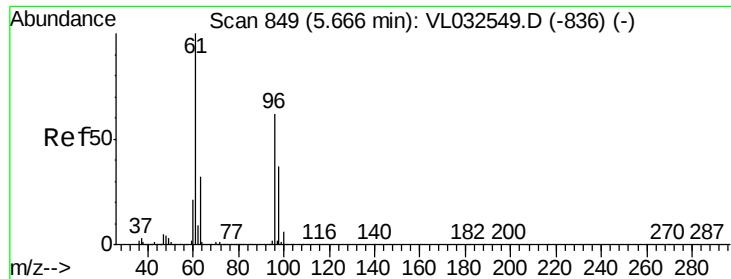
MMDadoda
10/1/2018 11:57:36 AM



#30
Cyclohexane
Concen: 10.914 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 84 Resp: 1214969
Ion Ratio Lower Upper
84 100
56 137.8 113.5 170.3
41 82.3 68.1 102.1





#31

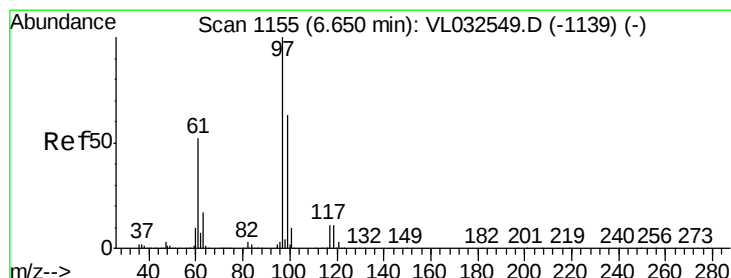
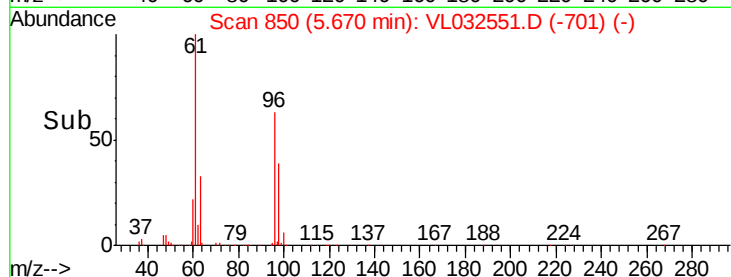
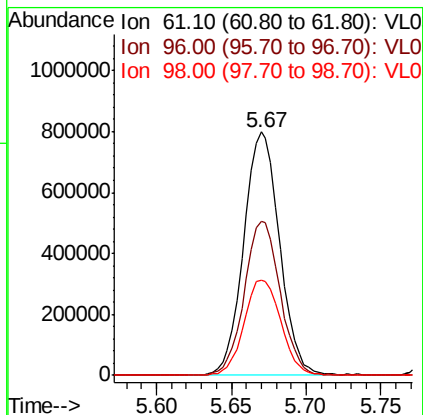
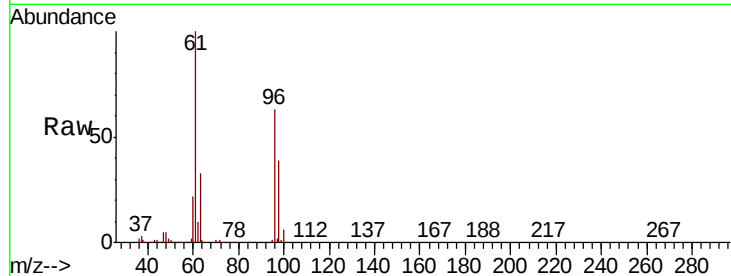
cis-1,2-Dichloroethene
 Concen: 10.248 ppbv
 RT: 5.67 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.2	73.8
98	39.2	30.7	46.1

Manual Integrations
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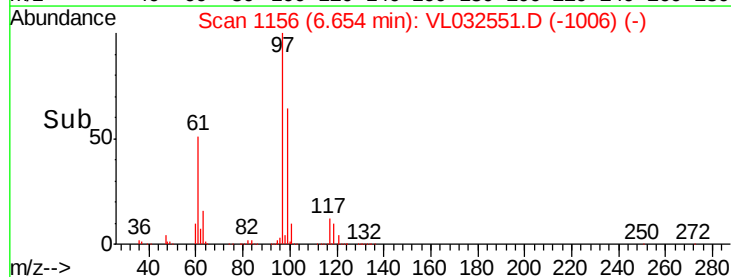
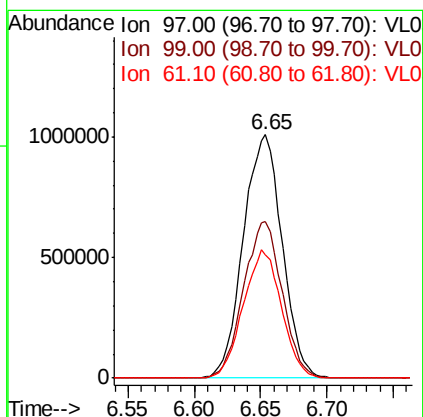
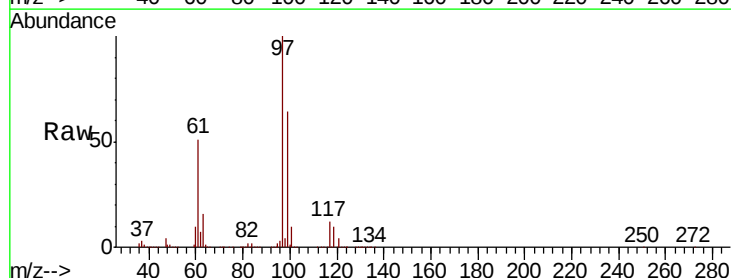
MMDadoda
 10/1/2018 11:57:36 AM

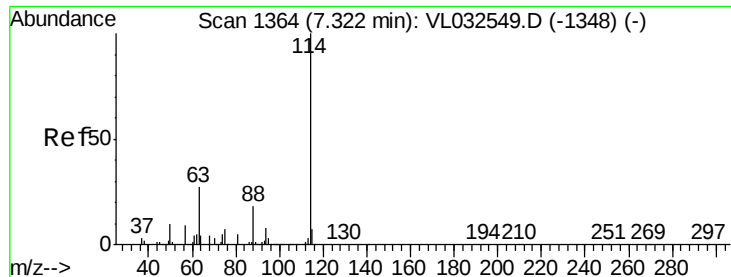


#32

1,1,1-Trichloroethane
 Concen: 9.192 ppbv
 RT: 6.65 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.1	78.1
61	51.9	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 114 Resp: 3345661

Ion Ratio Lower Upper

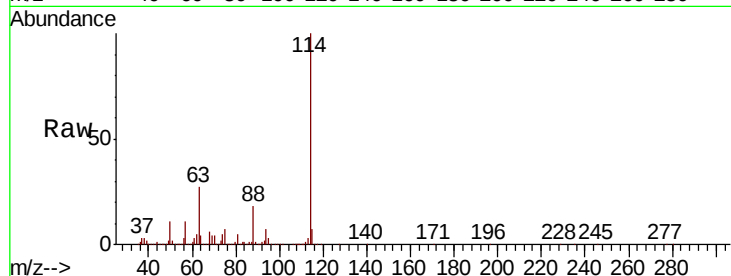
114 100

63 27.7 22.2 33.4

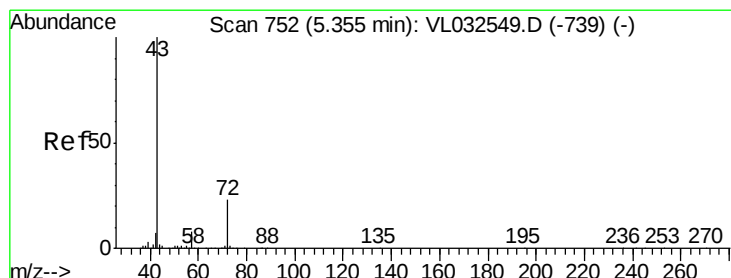
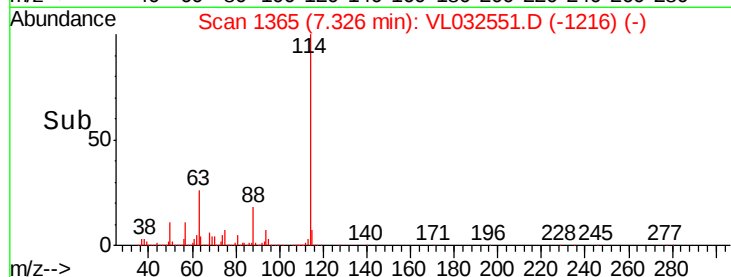
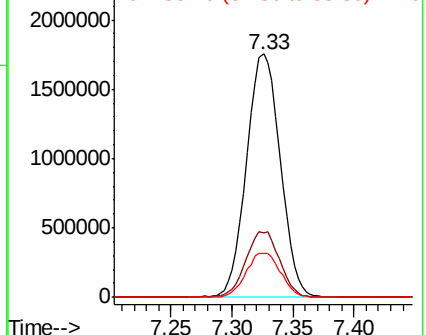
88 18.7 15.0 22.4

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



#34

2-Butanone

Concen: 9.666 ppbv

RT: 5.35 min Scan# 752

Delta R.T. -0.02 min

Lab File: VL032551.D

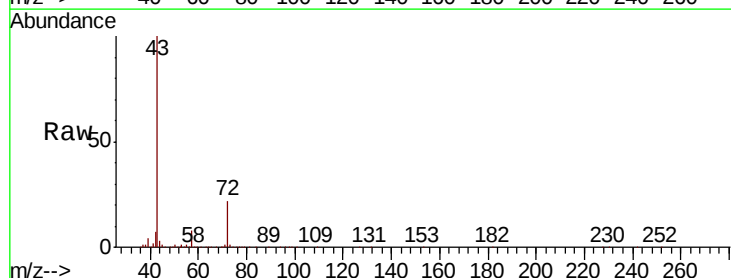
Acq: 27 Sep 2018 15:48

Tgt Ion: 43 Resp: 1925802

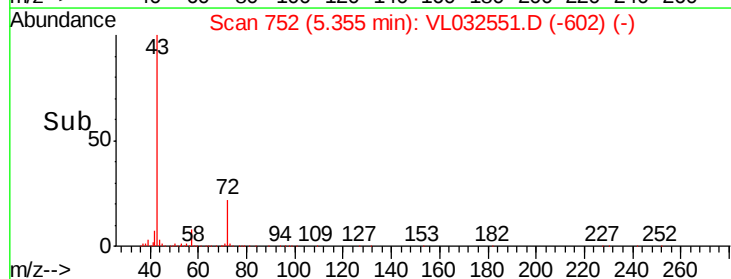
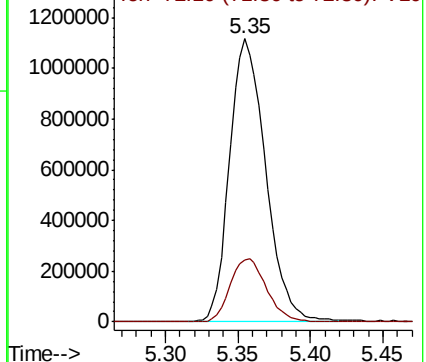
Ion Ratio Lower Upper

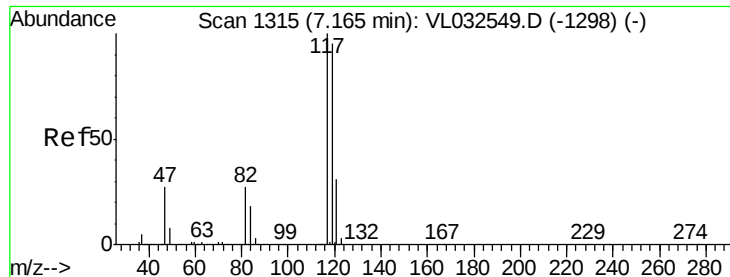
43 100

72 22.6 17.8 26.6



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





#35

Carbon Tetrachloride

Concen: 9.401 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion:117 Resp: 2185676

Ion Ratio Lower Upper

117 100

119 93.8 76.6 115.0

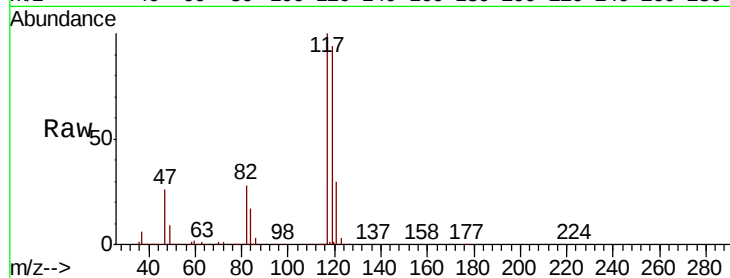
121 29.9 24.6 36.8

Manual Integrations

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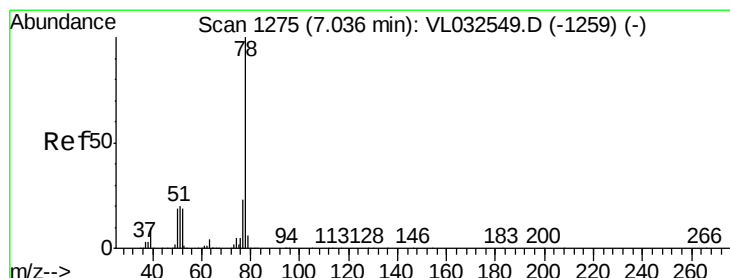
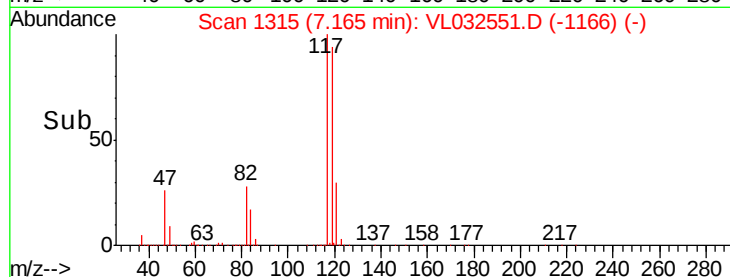
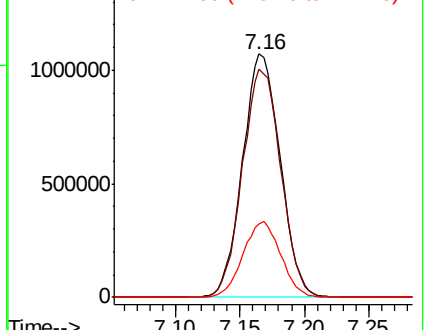
10/1/2018 11:57:36 AM



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: 10.421 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

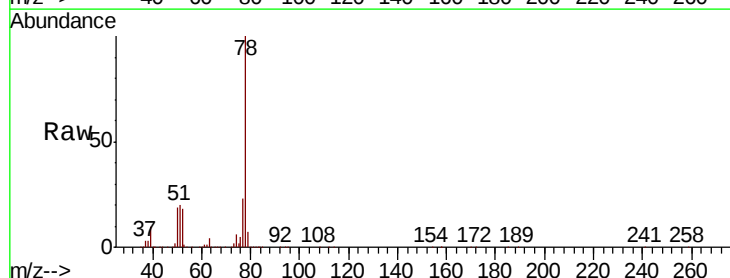
Tgt Ion: 78 Resp: 2817699

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

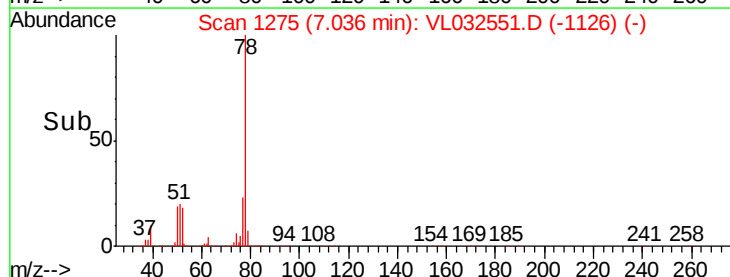
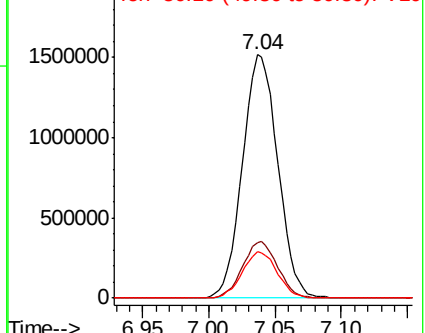
50 19.0 14.4 21.6

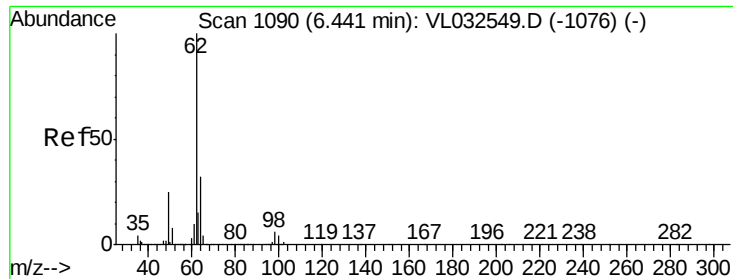


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





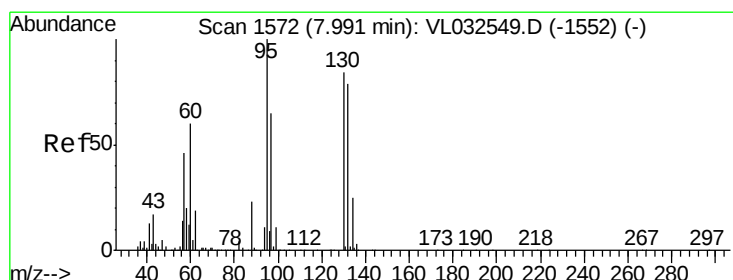
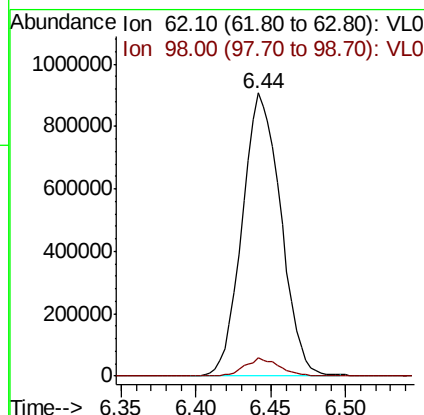
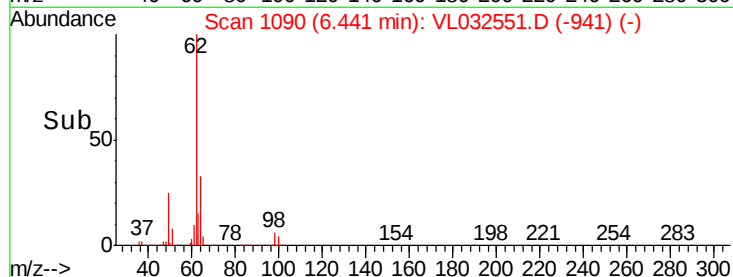
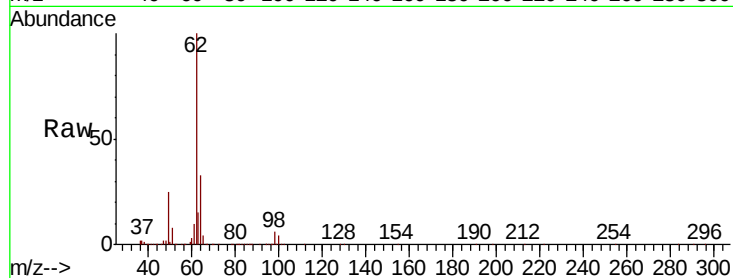
#37
 1,2-Dichloroethane
 Concen: 10.023 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 62 Resp: 1633242
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.0 7.6

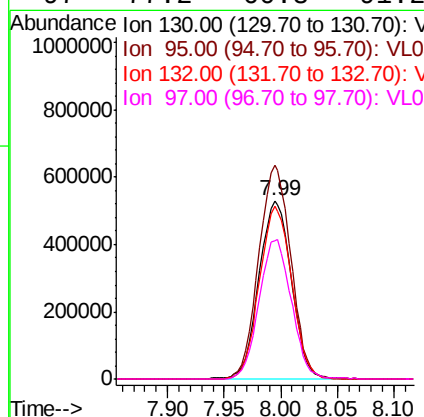
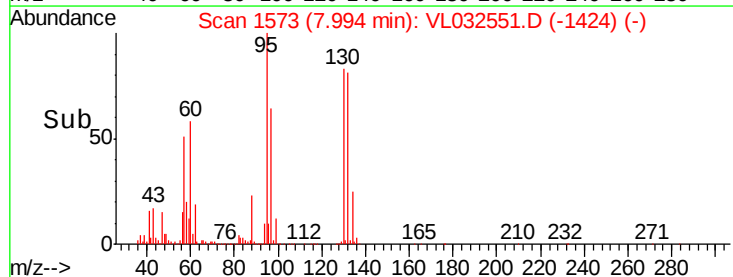
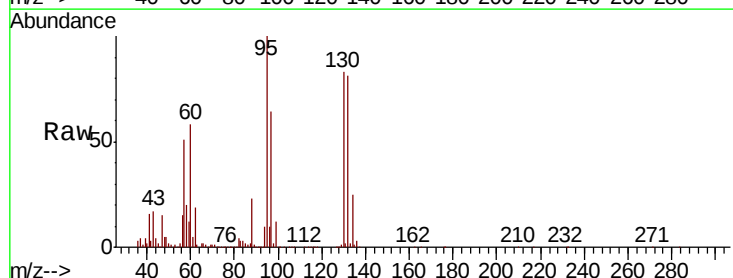
Manual Integrations
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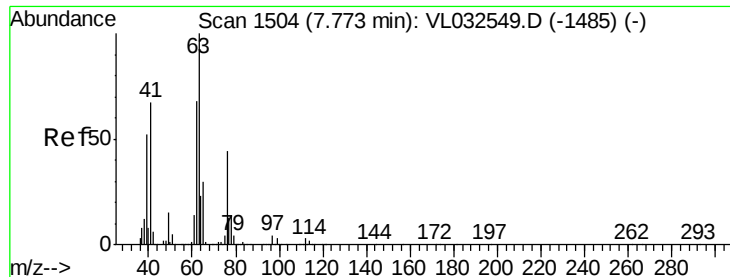
MMDadoda
 10/1/2018 11:57:36 AM



#38
 Trichloroethene
 Concen: 10.222 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 130 Resp: 1057907
 Ion Ratio Lower Upper
 130 100
 95 119.6 94.2 141.4
 132 96.7 76.2 114.4
 97 77.2 60.8 91.2





#39

1,2-Dichloropropane

Concen: 9.651 ppbv

RT: 7.77 min Scan# 1503

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 63 Resp: 1175916

Ion Ratio Lower Upper

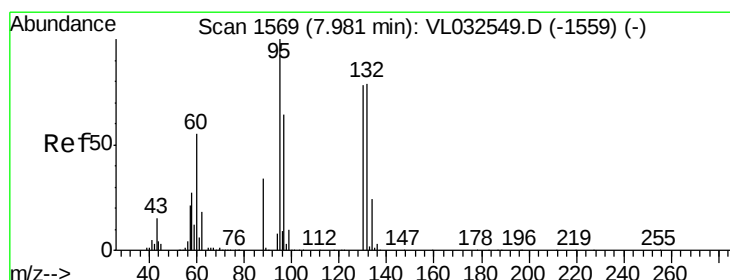
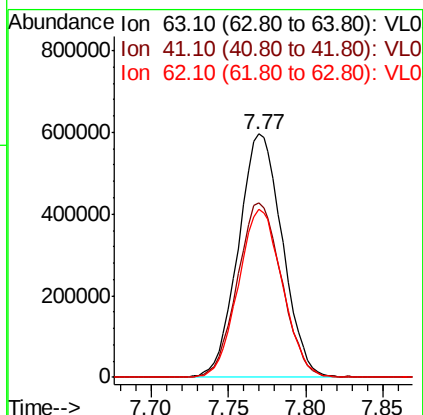
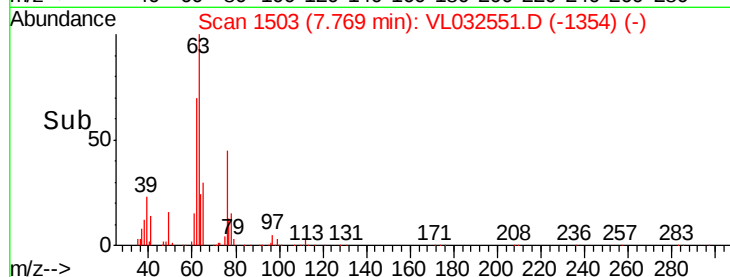
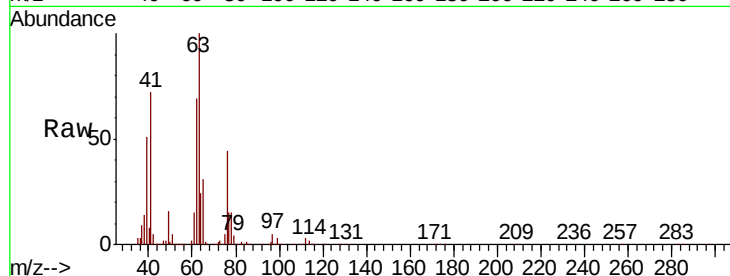
63 100

41 71.5 55.4 83.0

62 68.9 55.4 83.0

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#40

1,4-Dioxane

Concen: 9.814 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 88 Resp: 366659

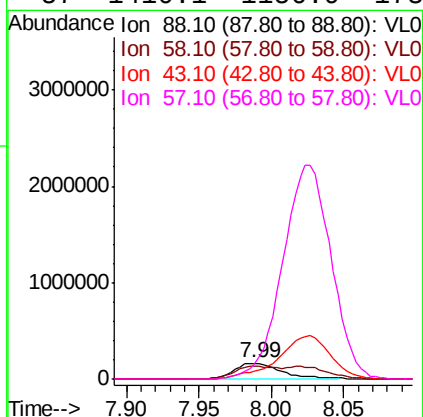
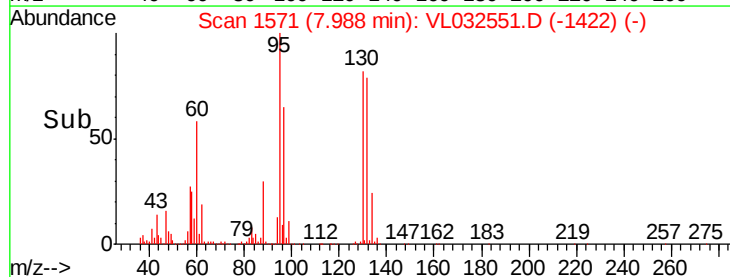
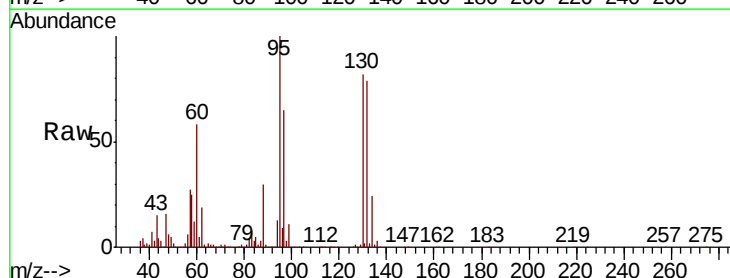
Ion Ratio Lower Upper

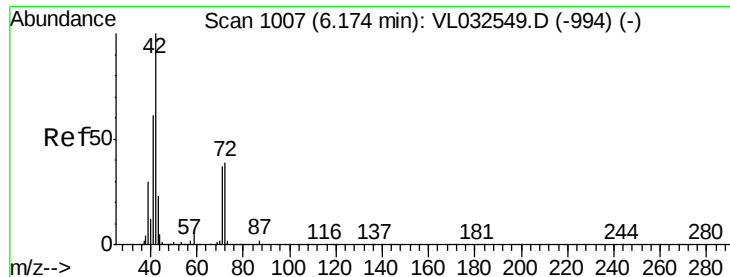
88 100

58 145.8 119.7 179.5

43 306.9 253.0 379.4

57 1410.1 1156.9 1735.3





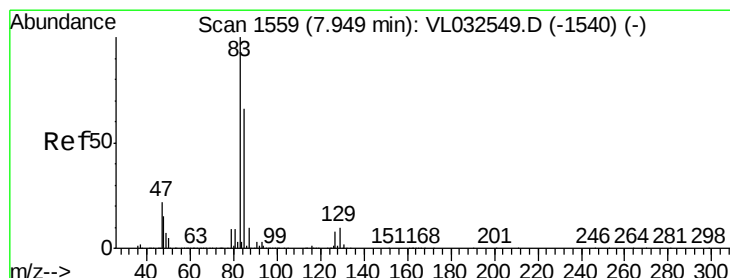
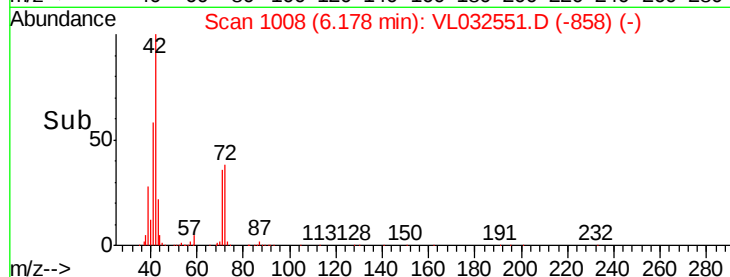
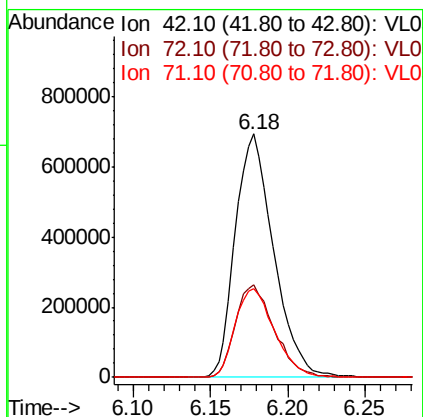
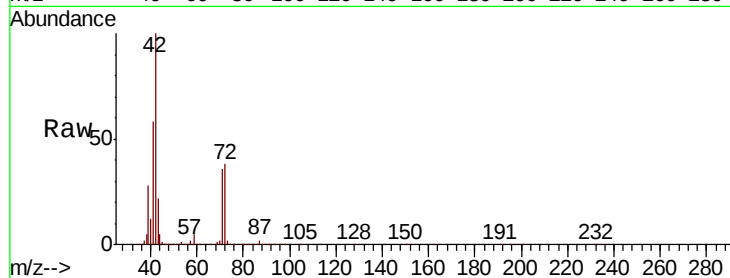
#41
Tetrahydrofuran
Concen: 11.012 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 42 Resp: 1191979
Ion Ratio Lower Upper
42 100
72 38.7 29.5 44.3
71 37.6 28.3 42.5

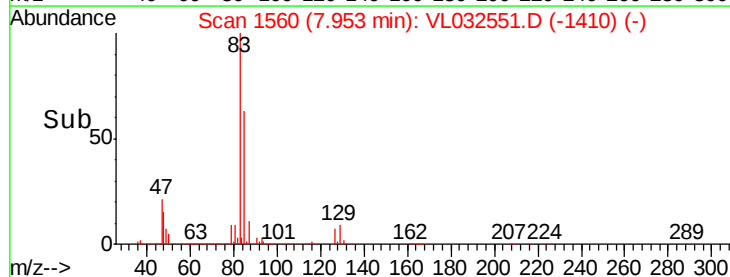
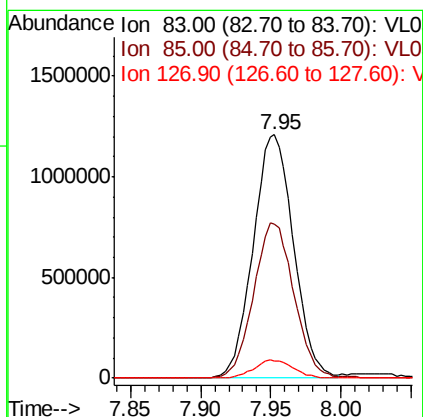
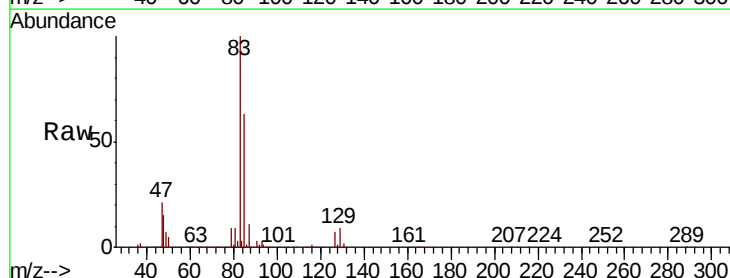
Manual Integrations
APPROVED

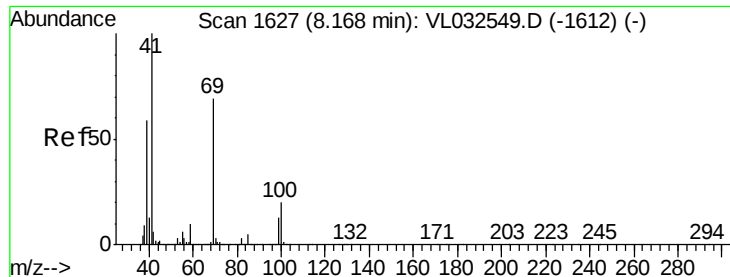
MMDadoda
10/1/2018 11:57:36 AM



#42
Bromodichloromethane
Concen: 9.909 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 83 Resp: 2418971
Ion Ratio Lower Upper
83 100
85 63.3 51.1 76.7
127 7.1 5.8 8.8





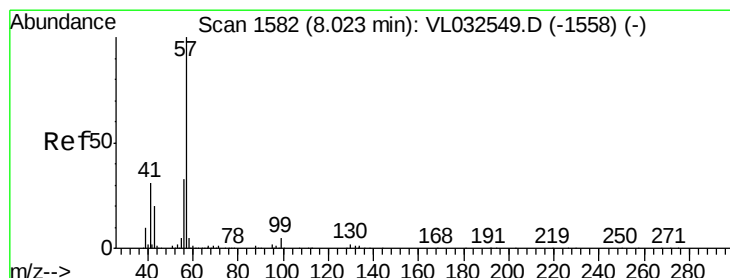
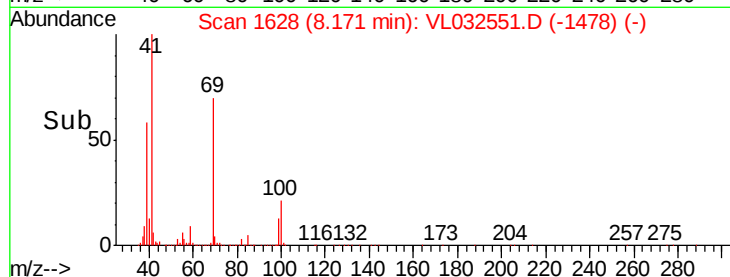
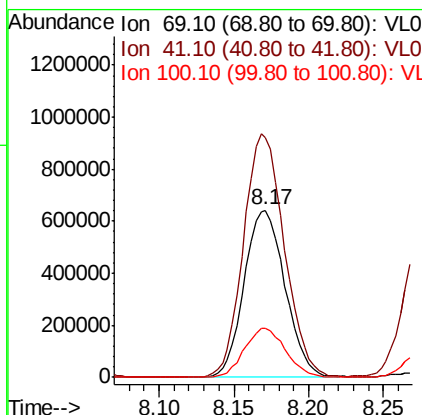
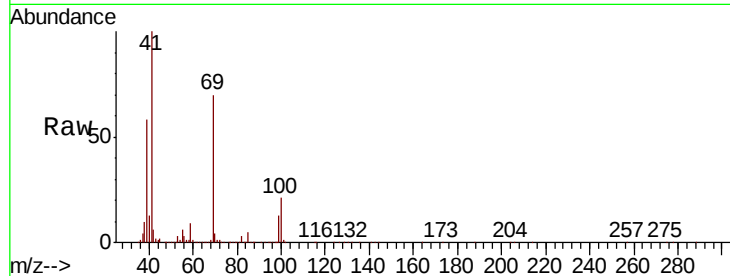
#43
Methyl Methacrylate
Concen: 10.823 ppbv
RT: 8.17 min Scan# 1628
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 69 Resp: 1222390
Ion Ratio Lower Upper
69 100
41 145.0 117.1 175.7
100 29.7 23.4 35.2

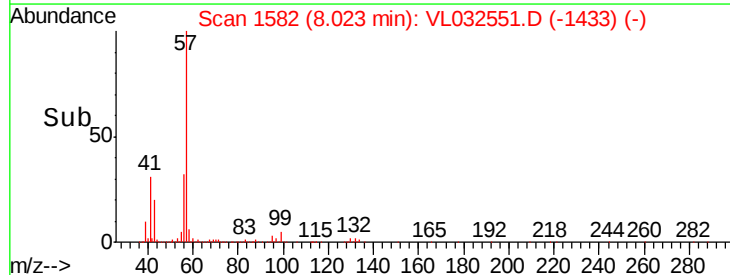
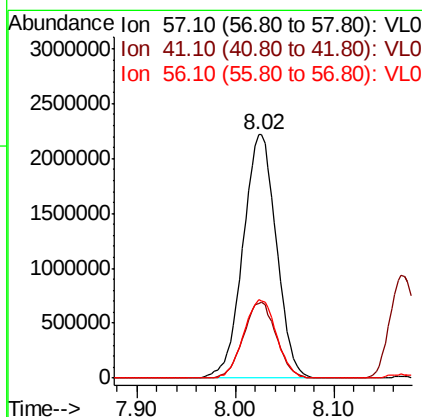
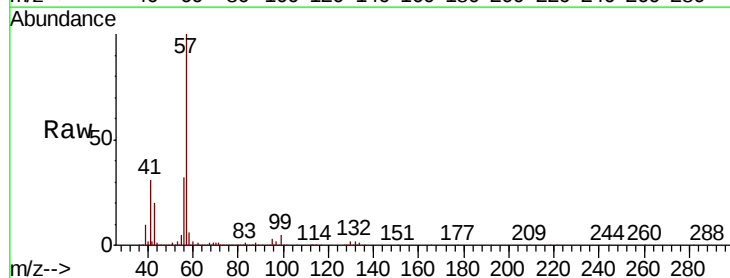
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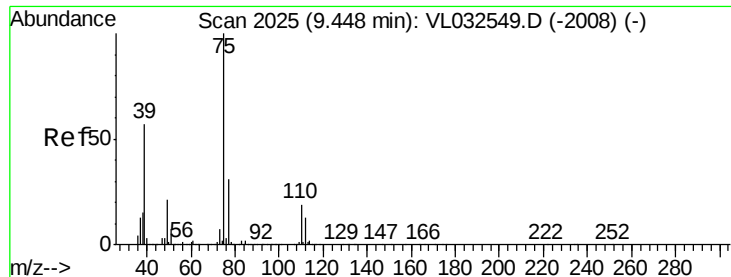
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.782 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 57 Resp: 5168839
Ion Ratio Lower Upper
57 100
41 30.7 24.4 36.6
56 31.8 25.7 38.5





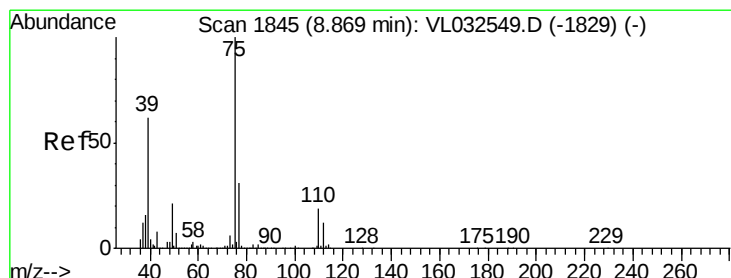
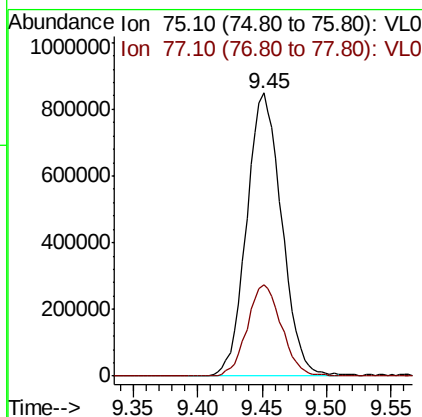
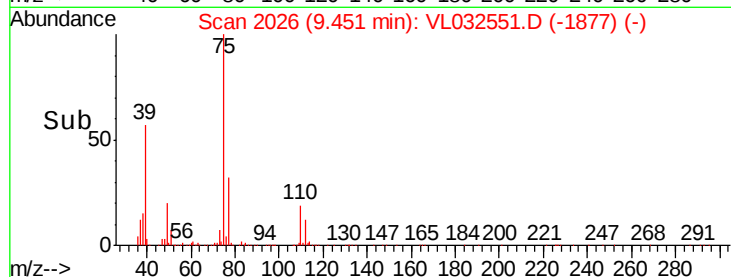
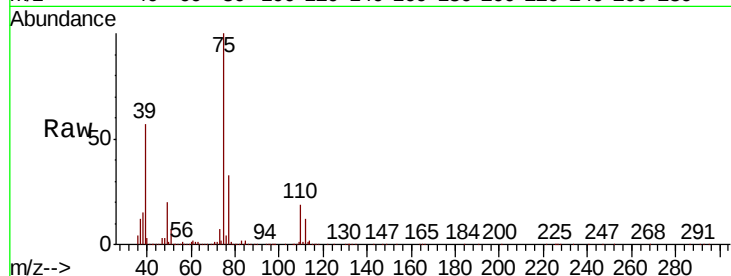
#45
 t-1,3-Dichloropropene
 Concen: 11.459 ppbv
 RT: 9.45 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 75 Resp: 1609958
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2

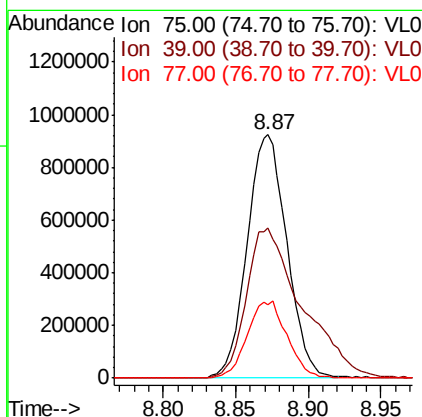
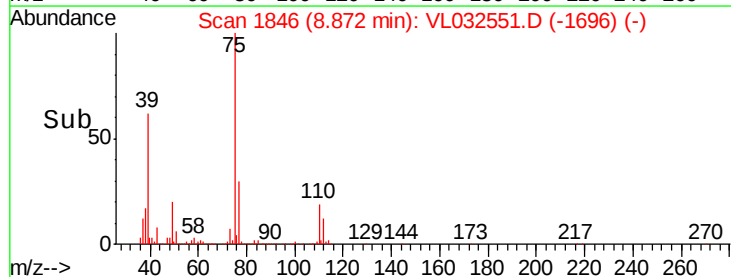
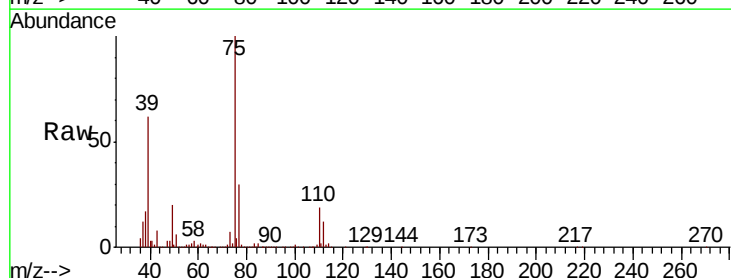
Manual Integrations
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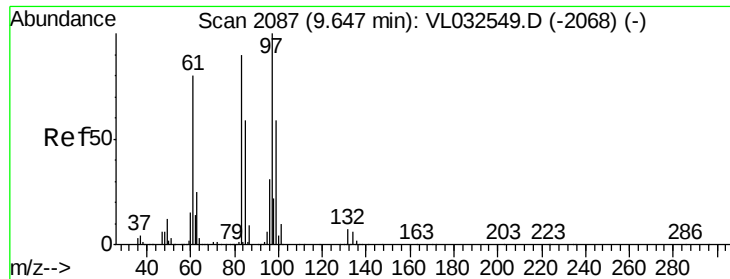
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 10.667 ppbv
 RT: 8.87 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 75 Resp: 1757931
 Ion Ratio Lower Upper
 75 100
 39 61.8 48.9 73.3
 77 30.1 25.4 38.0





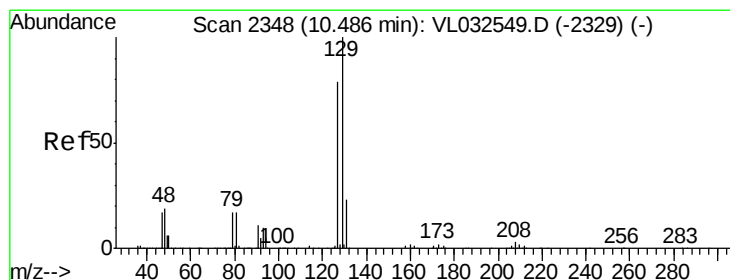
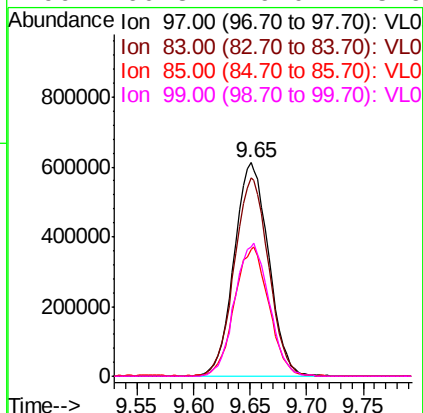
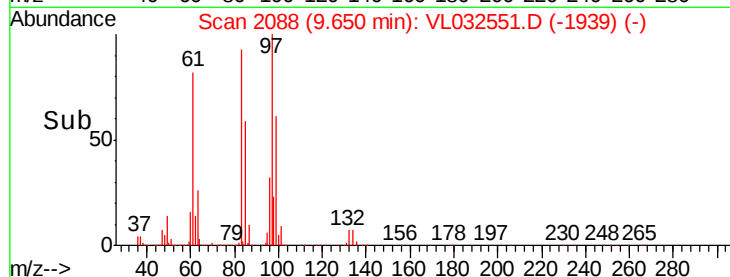
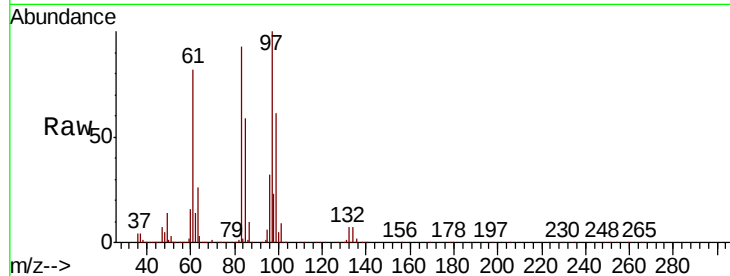
#47
 1,1,2-Trichloroethane
 Concen: 9.611 ppbv
 RT: 9.65 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.0	75.0	112.4
85	58.9	47.5	71.3
99	60.8	49.0	73.6

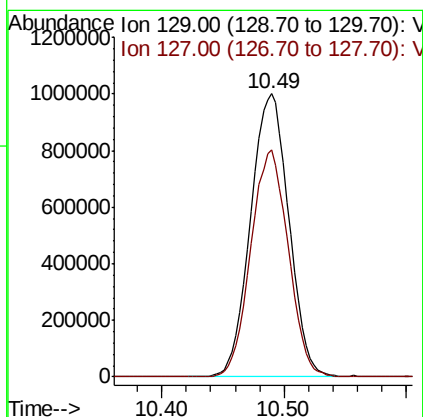
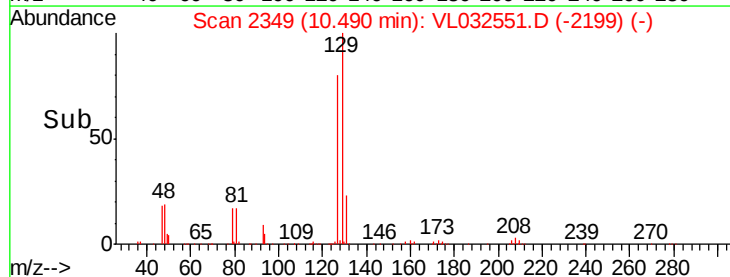
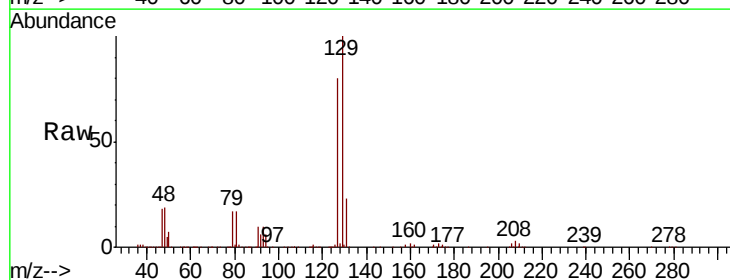
Manual Integrations
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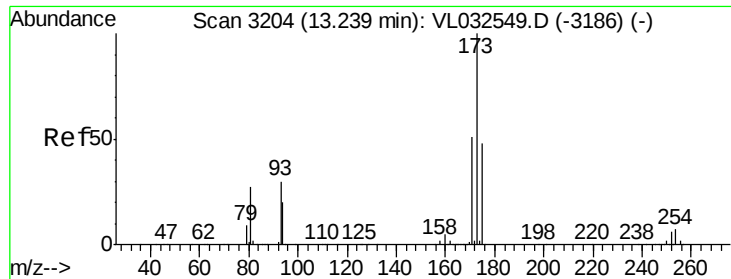
MMDadoda
 10/1/2018 11:57:36 AM



#48
 Dibromochloromethane
 Concen: 10.179 ppbv
 RT: 10.49 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.5	118.3





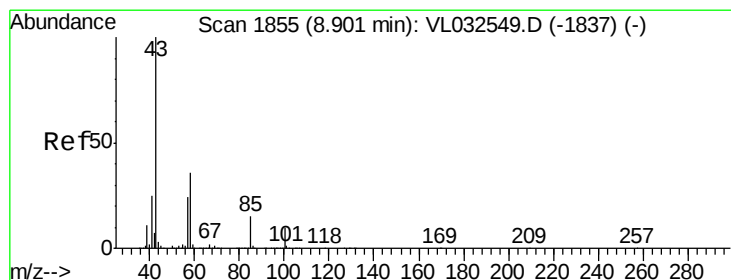
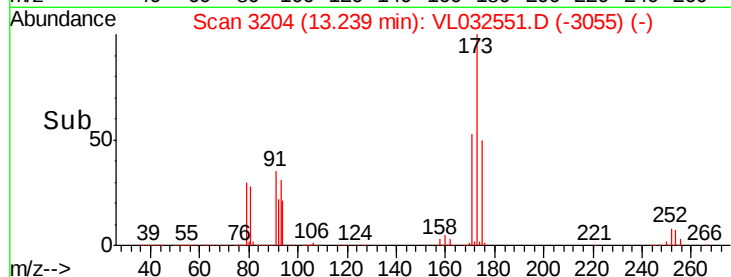
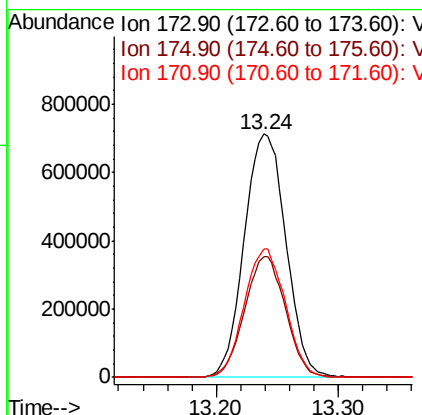
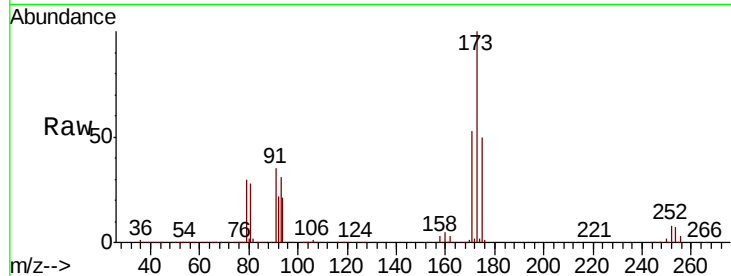
#49
Bromoform
Concen: 10.341 ppbv
RT: 13.24 min Scan# 3204
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 173 Resp: 1681495
Ion Ratio Lower Upper
173 100
175 48.7 38.9 58.3
171 52.2 41.6 62.4

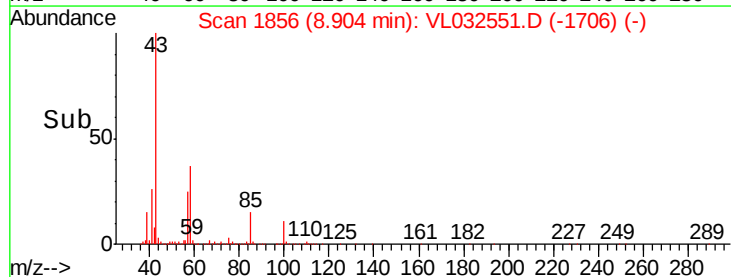
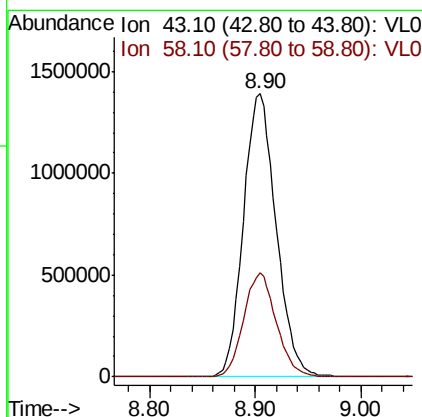
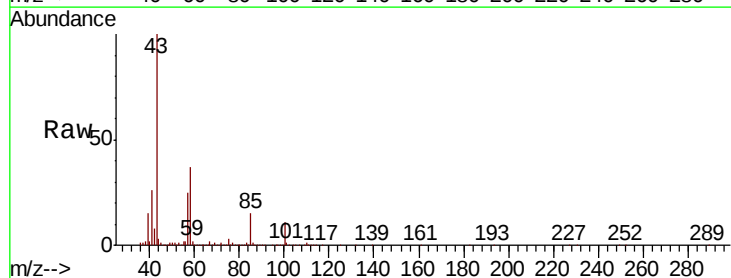
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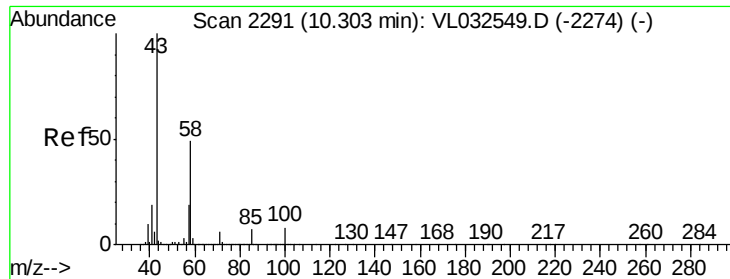
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#50
4-Methyl-2-Pentanone
Concen: 9.583 ppbv
RT: 8.90 min Scan# 1856
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 43 Resp: 3001197
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.4





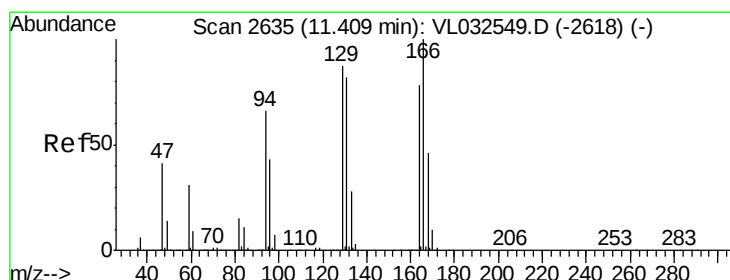
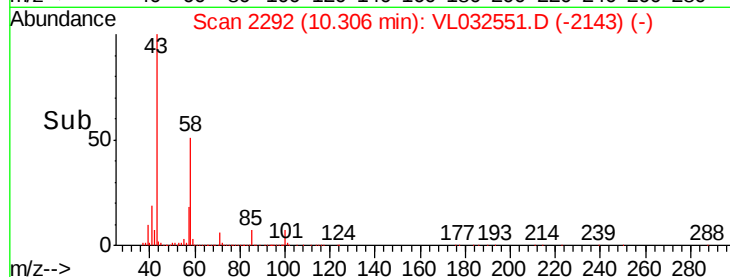
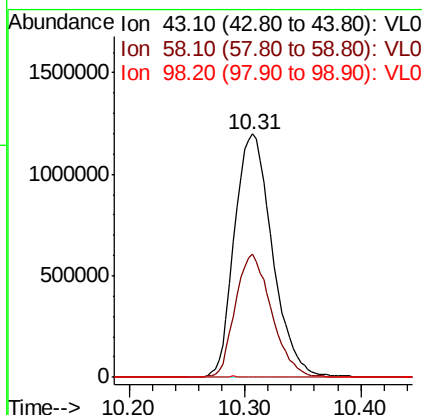
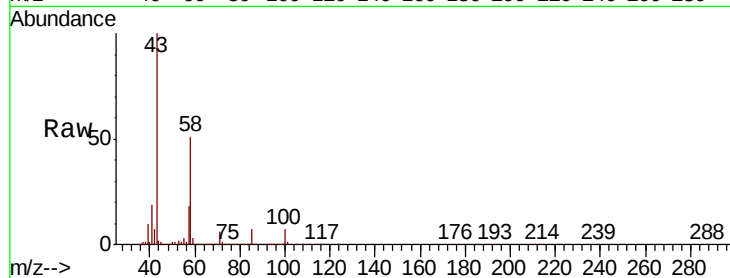
#51
2-Hexanone
Concen: 10.502 ppbv
RT: 10.31 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.2	58.8
98	0.6	0.4	0.6

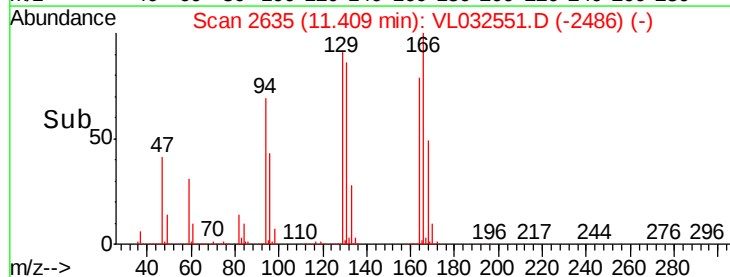
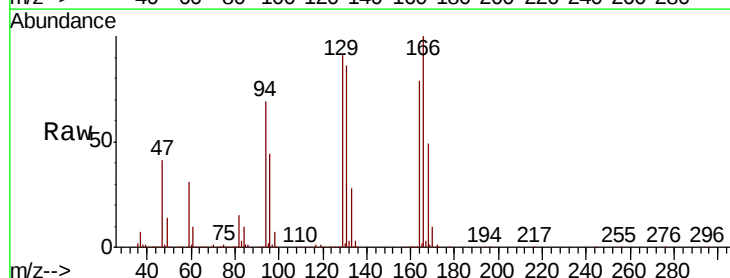
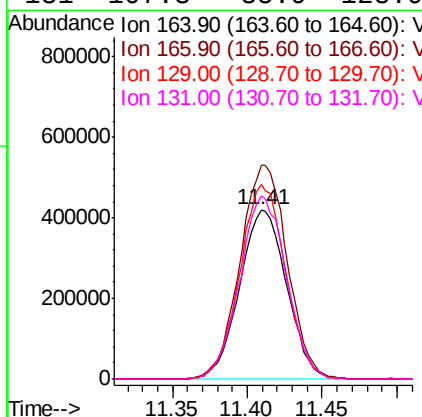
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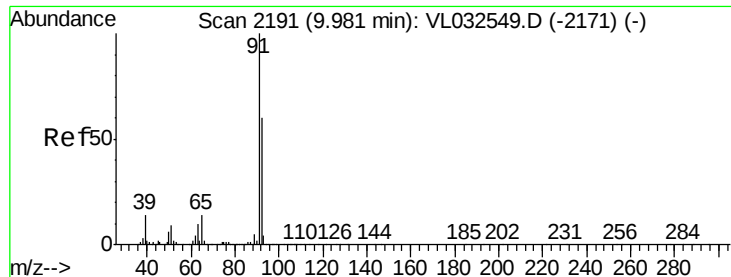
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#52
Tetrachloroethene
Concen: 9.724 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.6	150.8
129	114.2	89.9	134.9
131	107.3	85.9	128.9





#53

Toluene

Concen: 10.994 ppbv

RT: 9.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 91 Resp: 3622531

Ion Ratio Lower Upper

91 100

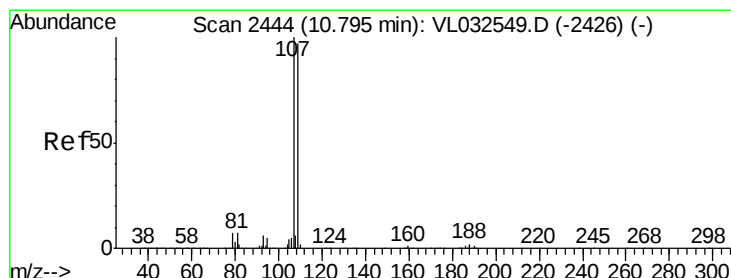
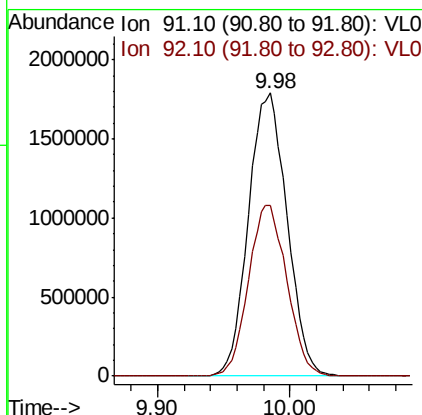
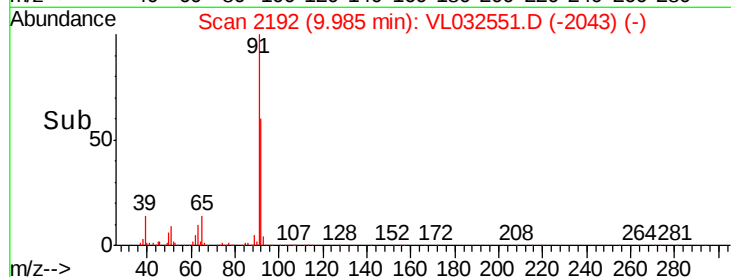
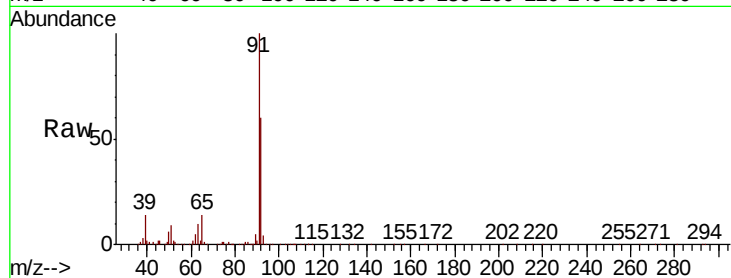
92 60.2 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.062 ppbv

RT: 10.80 min Scan# 2446

Delta R.T. -0.01 min

Lab File: VL032551.D

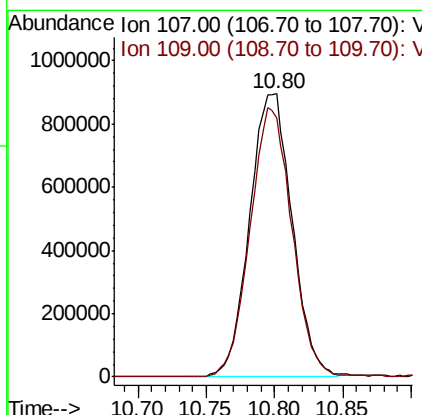
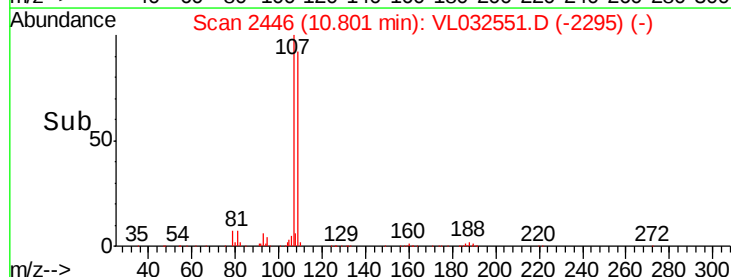
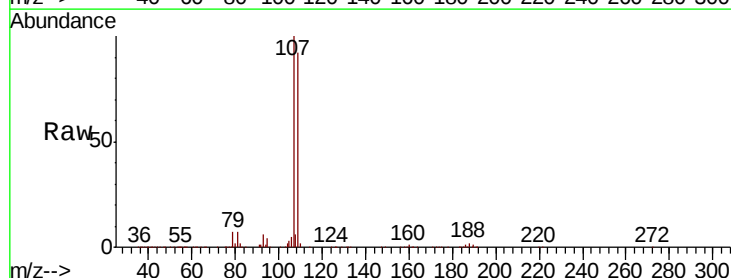
Acq: 27 Sep 2018 15:48

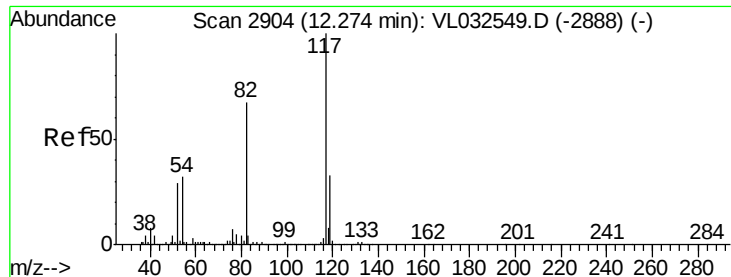
Tgt Ion: 107 Resp: 1936736

Ion Ratio Lower Upper

107 100

109 91.5 73.9 110.9





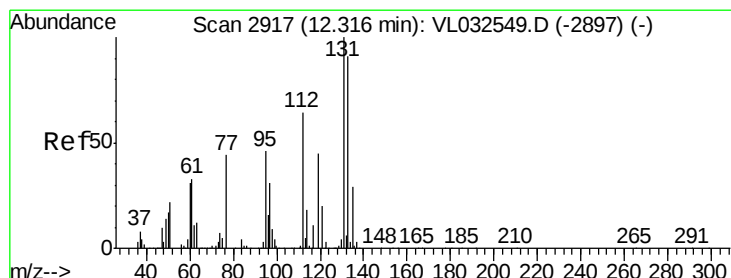
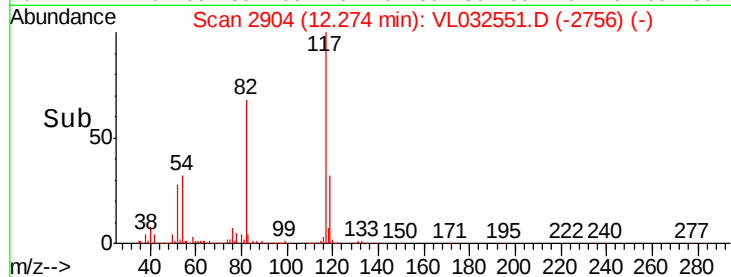
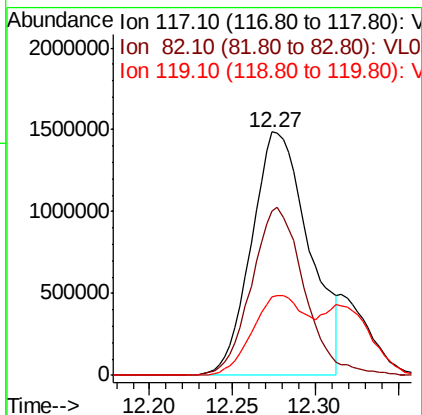
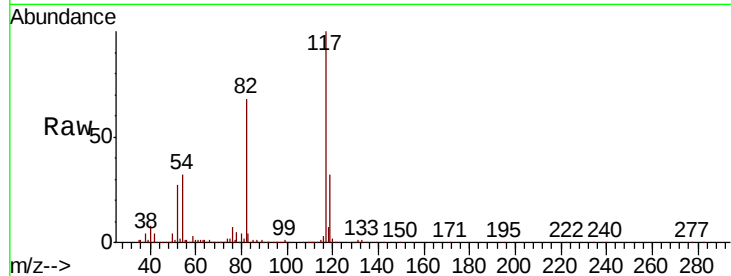
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion:117 Resp: 3601463
Ion Ratio Lower Upper
117 100
82 63.5 53.0 79.6
119 33.0 45.9 68.9#

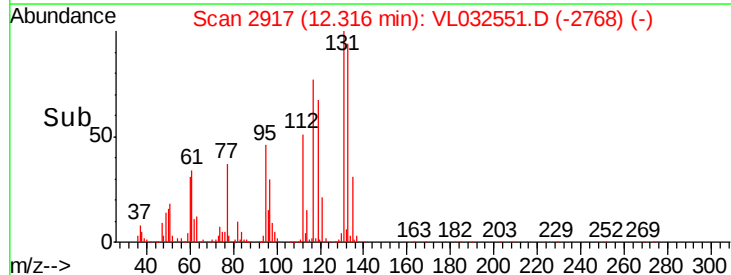
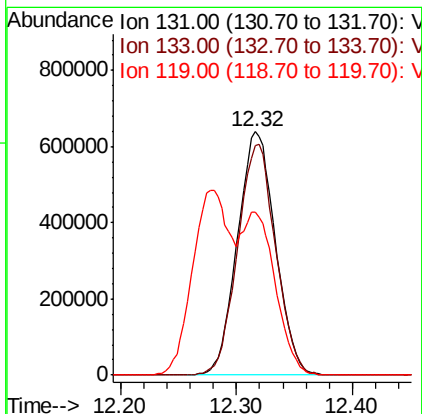
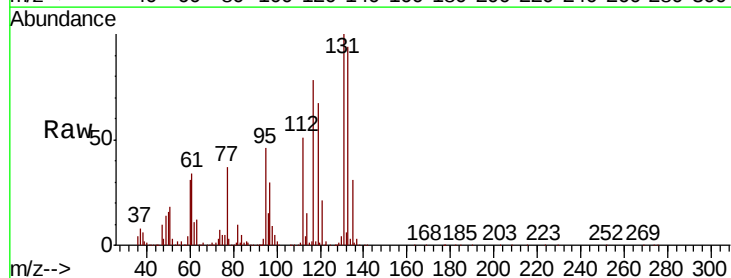
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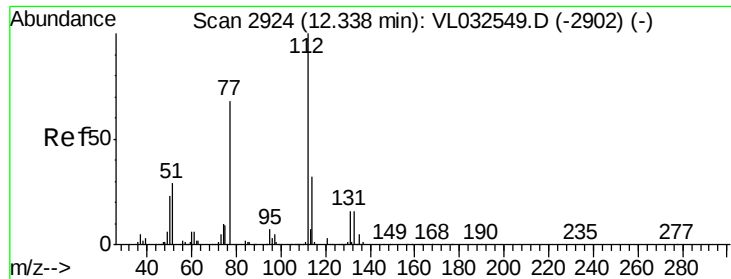
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.976 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion:131 Resp: 1453154
Ion Ratio Lower Upper
131 100
133 95.3 77.0 115.4
119 64.8 114.2 171.2#





#57

Chlorobenzene

Concen: 8.727 ppbv

RT: 12.34 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 112 Resp: 2531810

Ion Ratio Lower Upper

112 100

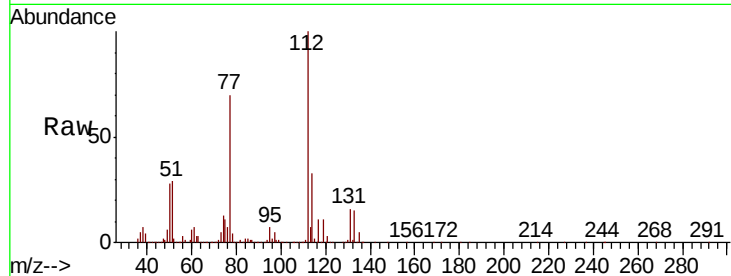
77 69.8 56.1 84.1

114 33.2 27.8 34.0

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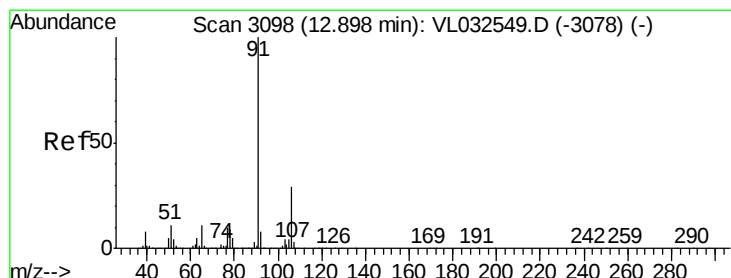
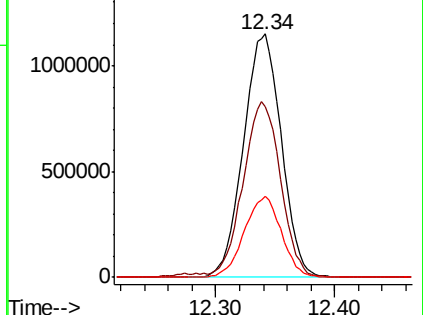
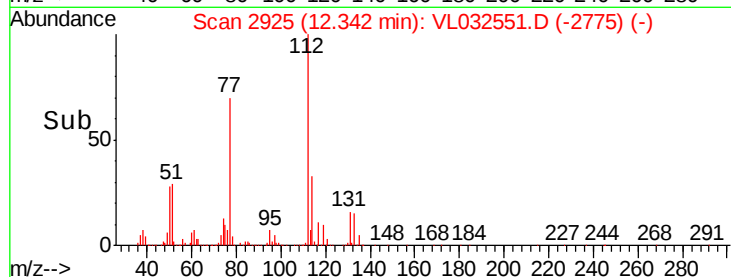
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.336 ppbv

RT: 12.90 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL032551.D

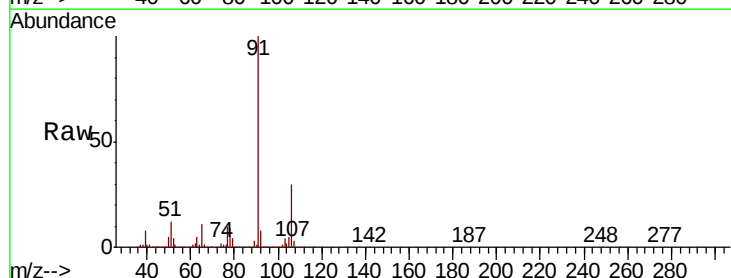
Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 4515567

Ion Ratio Lower Upper

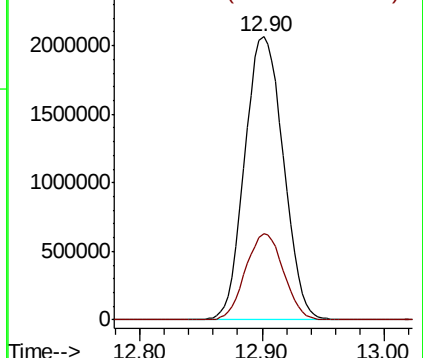
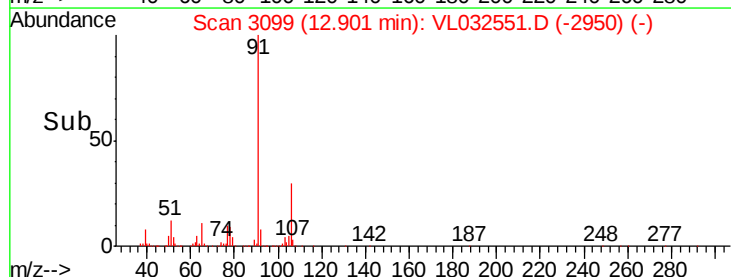
91 100

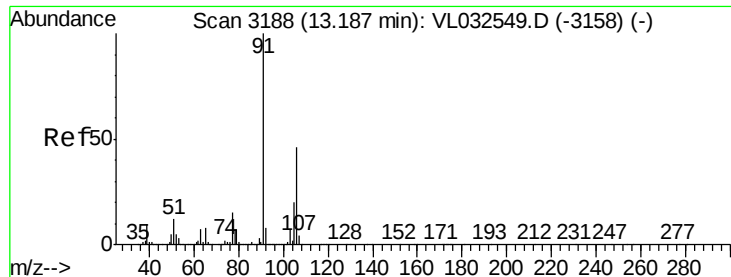
106 30.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





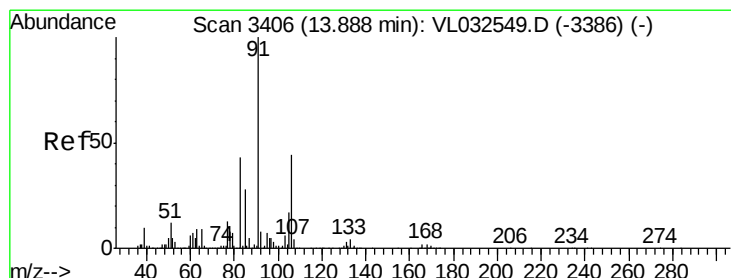
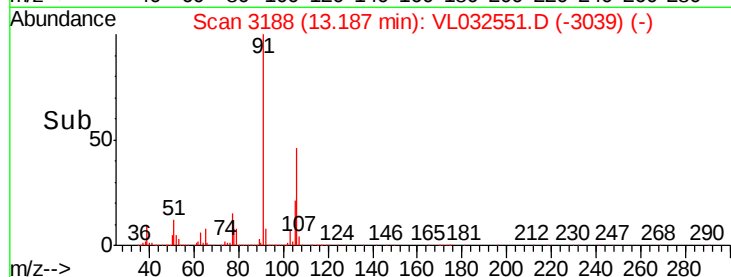
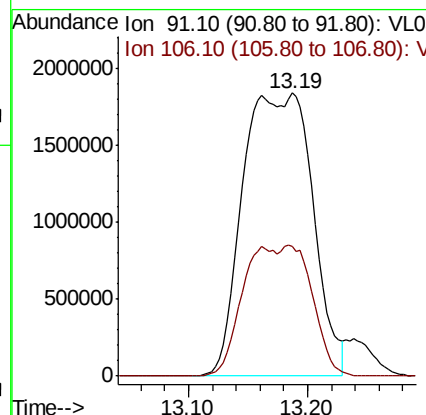
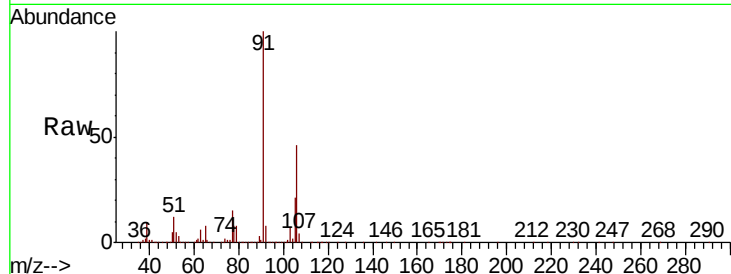
#59
m/p-Xylene
Concen: 19.216 ppbv m
RT: 13.19 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 91 Resp: 7468974
Ion Ratio Lower Upper
91 100
106 45.1 36.6 55.0

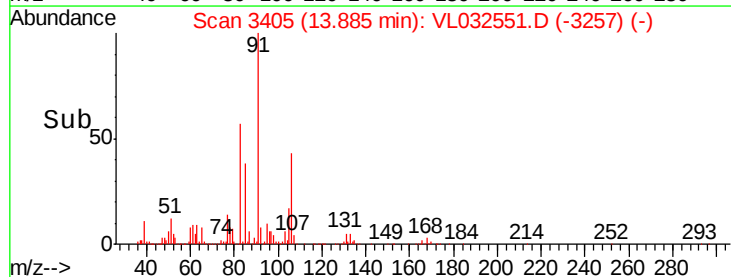
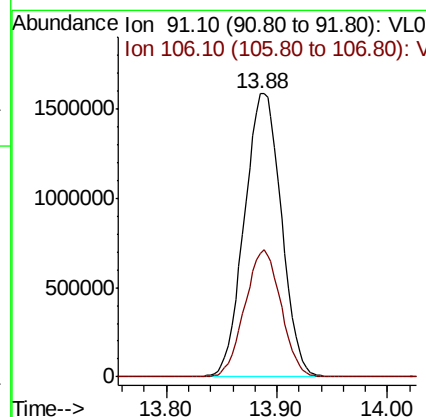
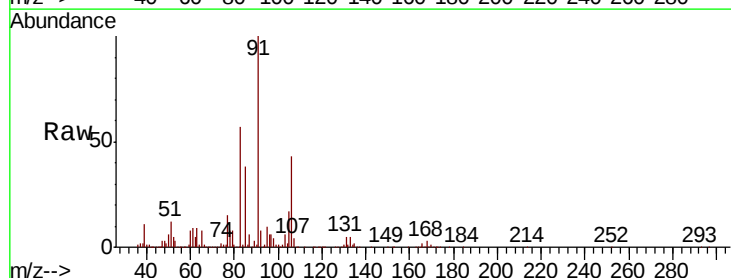
Manual Integrations
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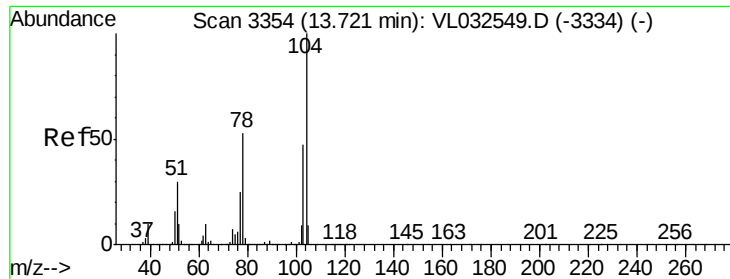
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#60
o-Xylene
Concen: 9.728 ppbv
RT: 13.88 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 3681314
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7





#61

Styrene

Concen: 10.810 ppbv

RT: 13.72 min Scan# 3354

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion:104 Resp: 2675937

Ion Ratio Lower Upper

104 100

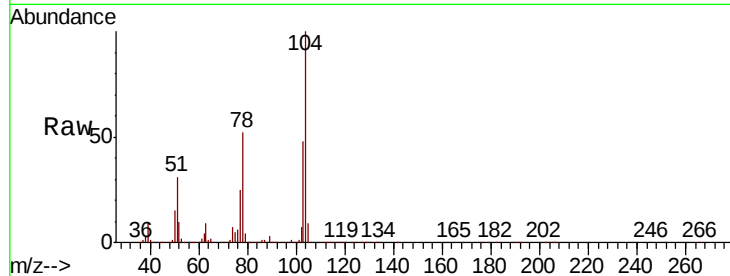
78 53.0 41.8 62.8

103 47.1 38.0 57.0

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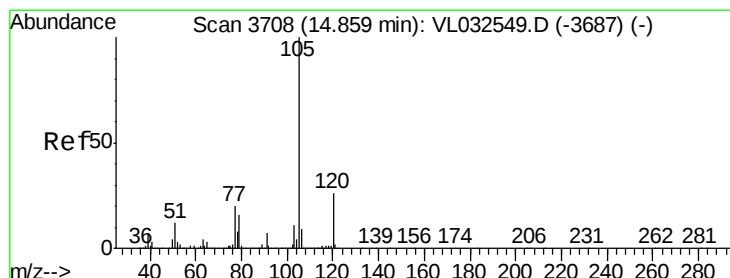
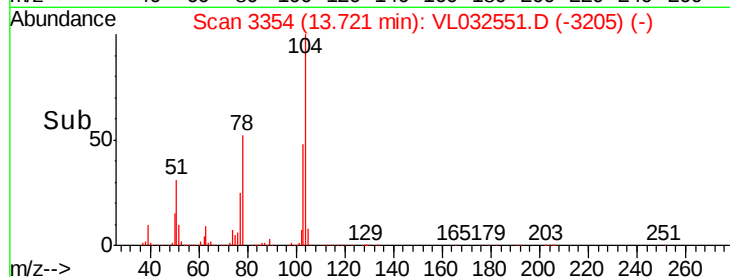
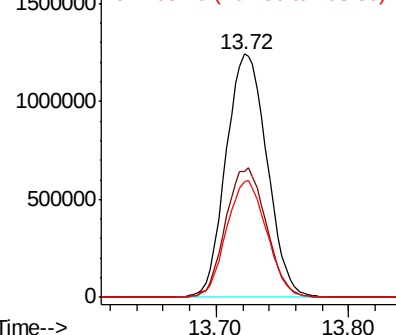
10/1/2018 11:57:36 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.663 ppbv

RT: 14.86 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL032551.D

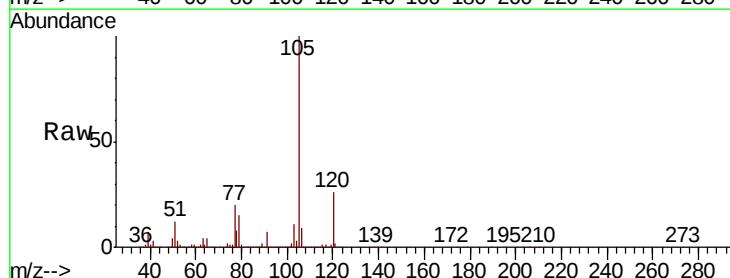
Acq: 27 Sep 2018 15:48

Tgt Ion:105 Resp: 5171486

Ion Ratio Lower Upper

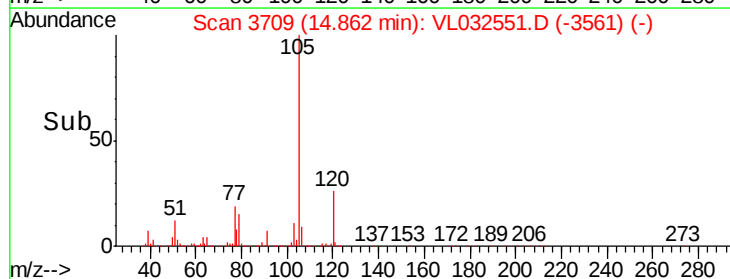
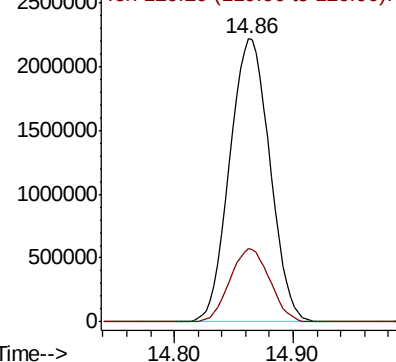
105 100

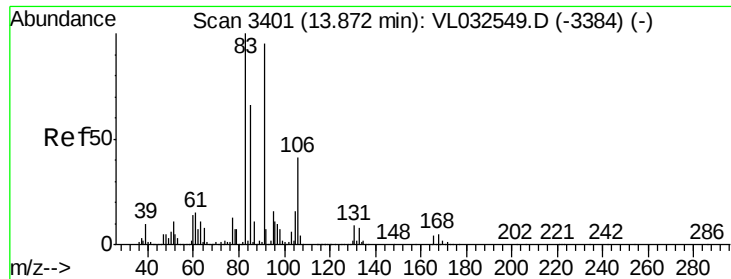
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





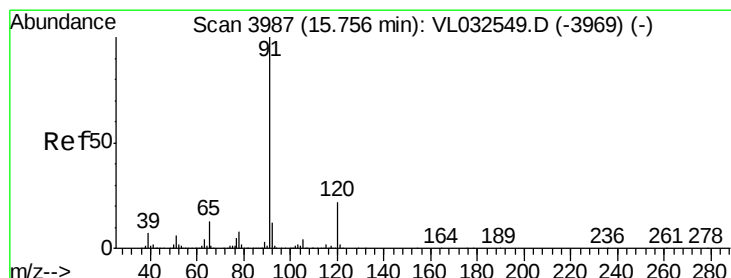
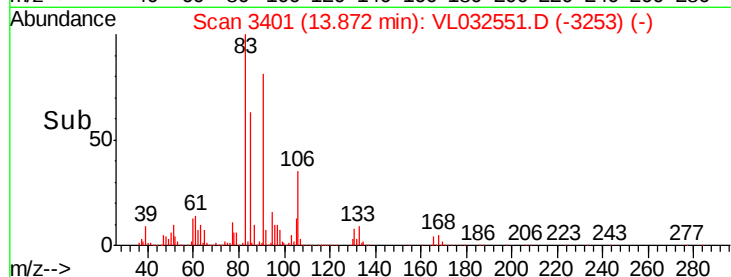
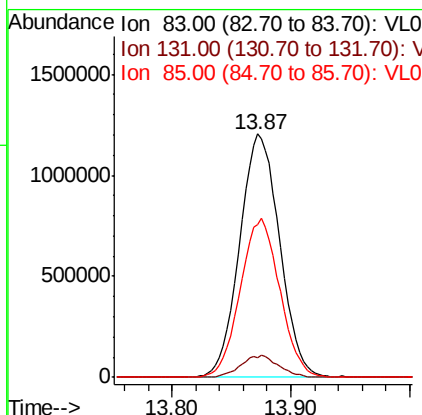
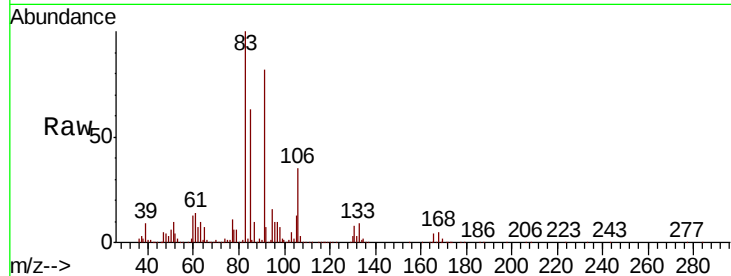
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.319 ppbv
 RT: 13.87 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	64.9	32.3	96.8

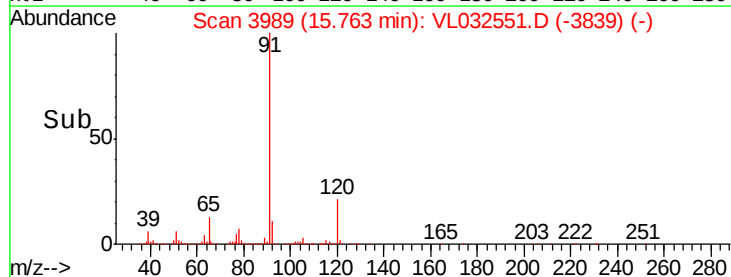
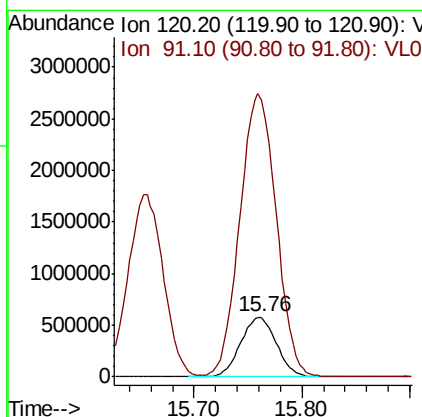
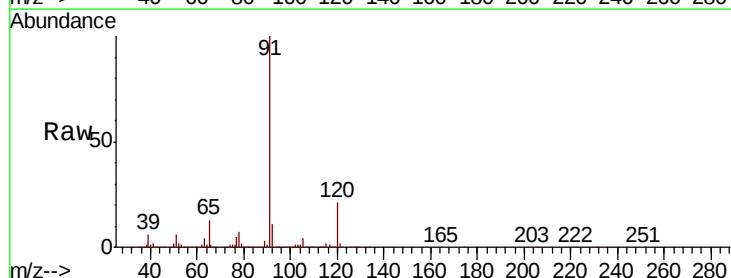
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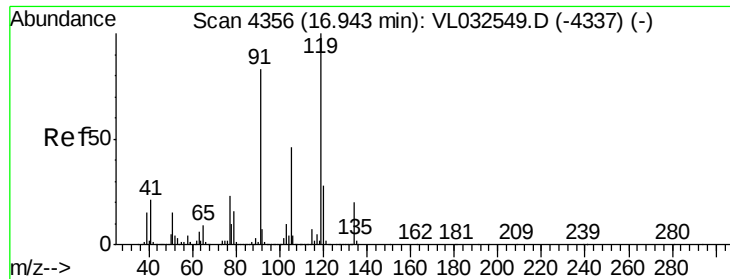
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 10/1/2018 11:57:36 AM



#64
 n-propylbenzene
 Concen: 9.703 ppbv
 RT: 15.76 min Scan# 3989
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
120	100		
91	483.7	381.8	572.6





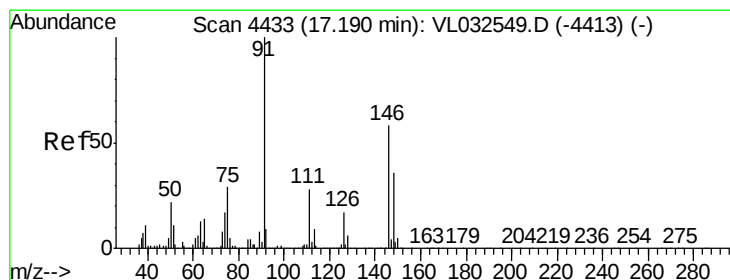
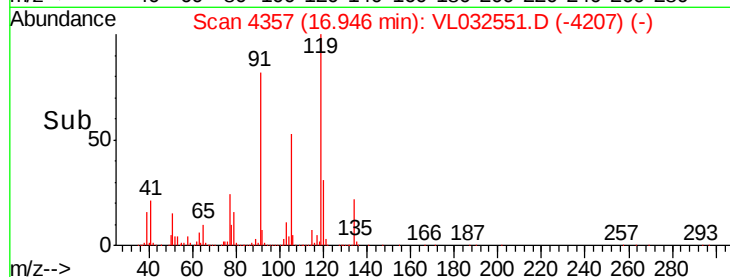
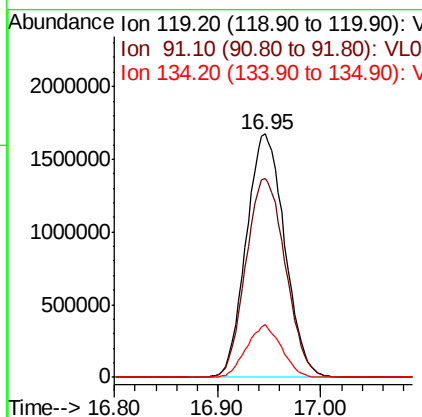
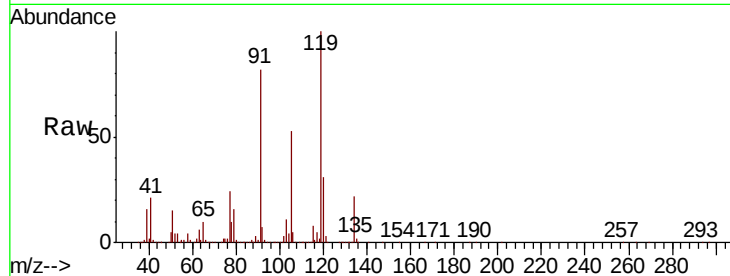
#65
tert-Butylbenzene
Concen: 9.433 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 119 Resp: 4326752
Ion Ratio Lower Upper
119 100
91 84.2 66.5 99.7
134 19.6 16.0 24.0

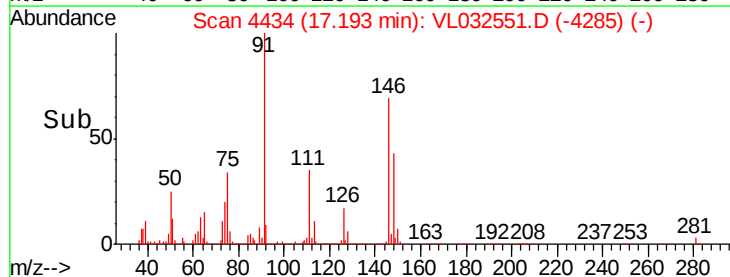
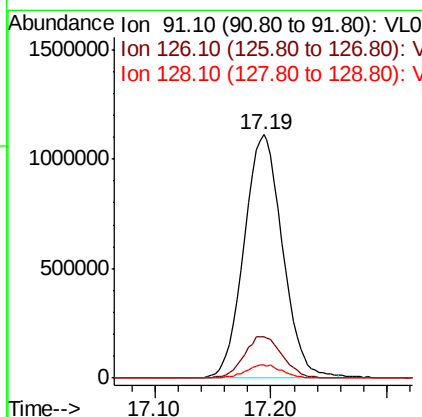
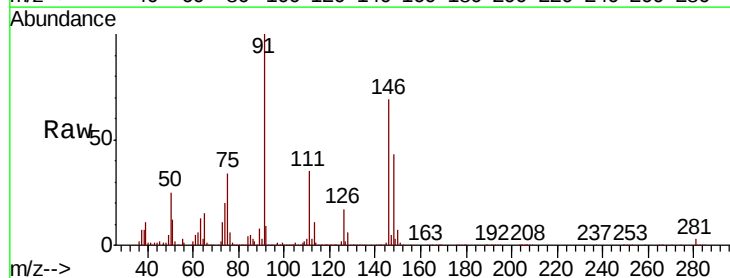
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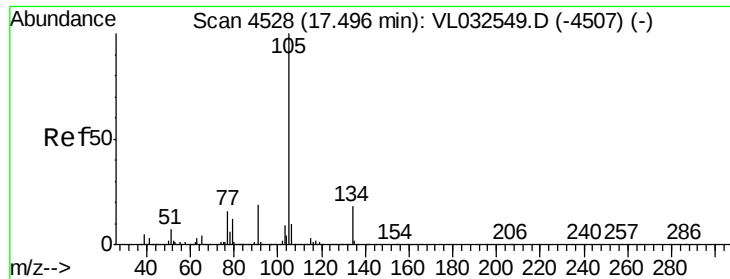
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#66
Benzyl Chloride
Concen: 9.676 ppbv
RT: 17.19 min Scan# 4434
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 2558108
Ion Ratio Lower Upper
91 100
126 17.3 13.8 20.8
128 5.3 4.4 6.6





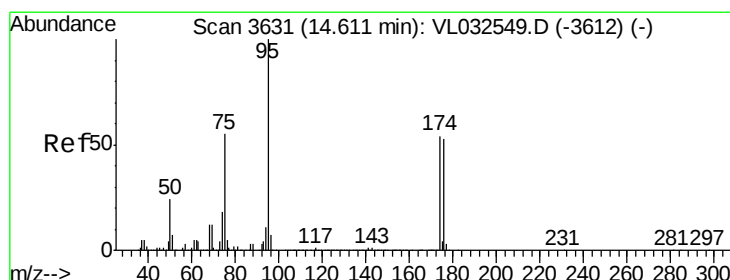
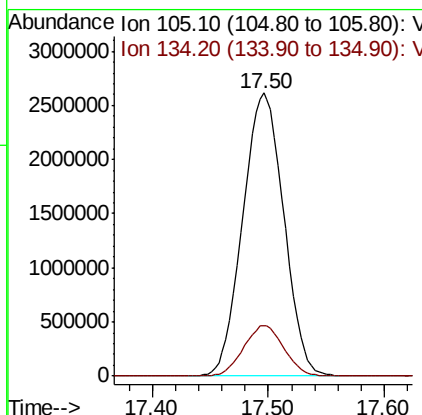
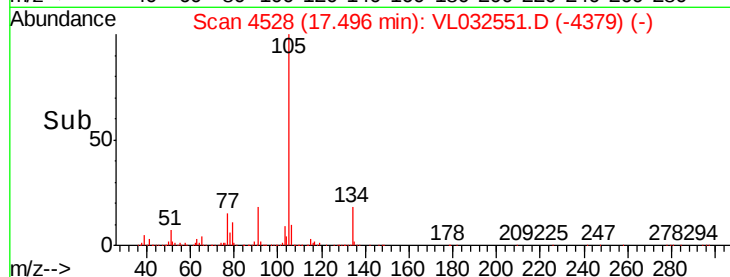
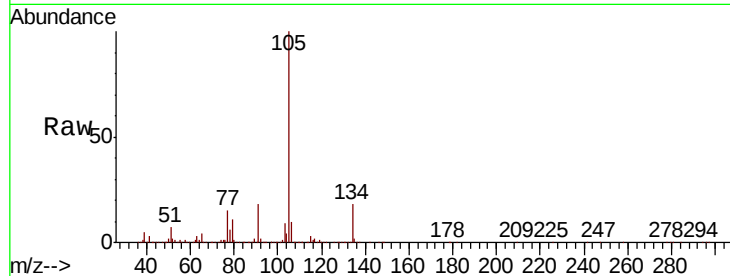
#67
 sec-Butylbenzene
 Concen: 9.415 ppbv
 RT: 17.50 min Scan# 4528
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 105 Resp: 6421157
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6

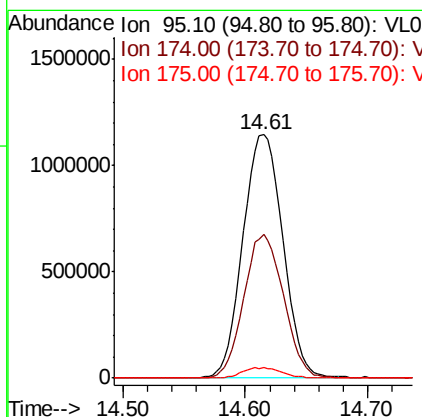
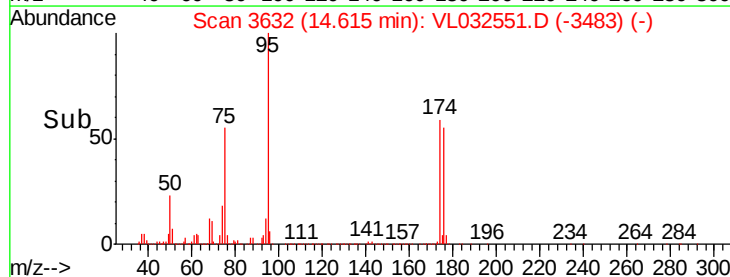
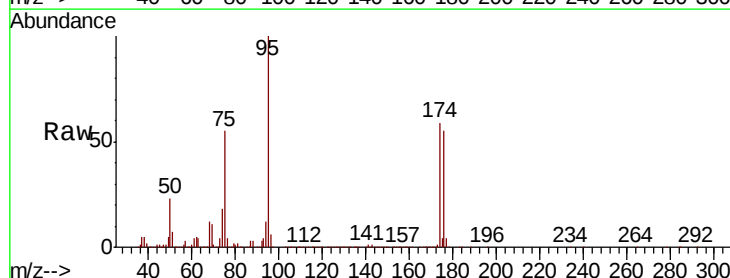
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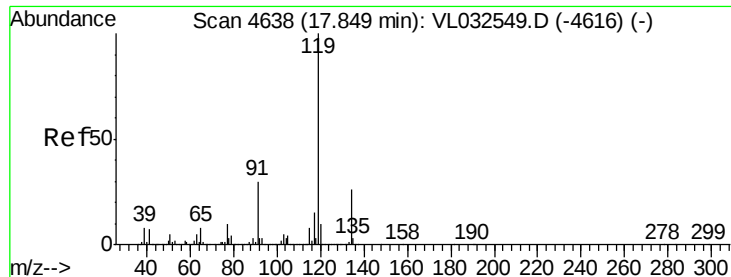
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.582 ppbv
 RT: 14.61 min Scan# 3632
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 95 Resp: 2602329
 Ion Ratio Lower Upper
 95 100
 174 58.6 46.3 69.5
 175 4.3 3.4 5.0





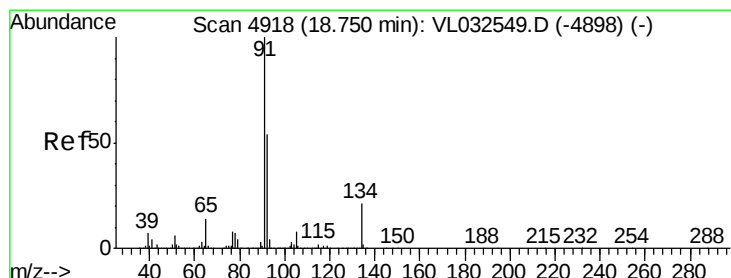
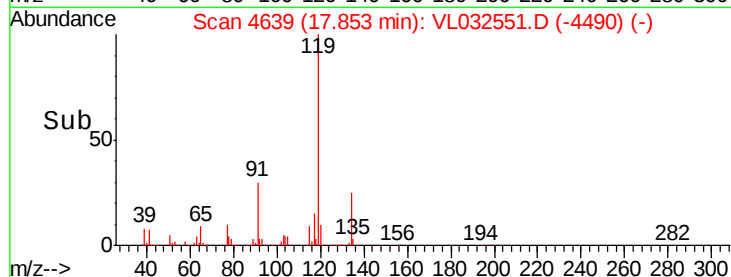
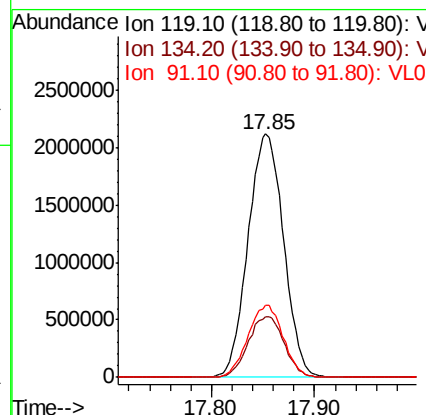
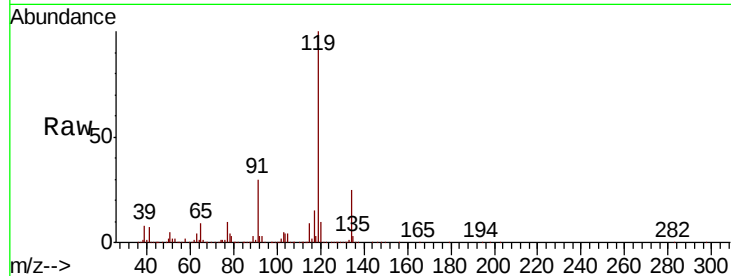
#69
p-Isopropyltoluene
Concen: 9.635 ppbv
RT: 17.85 min Scan# 4639
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.5	23.4	35.2

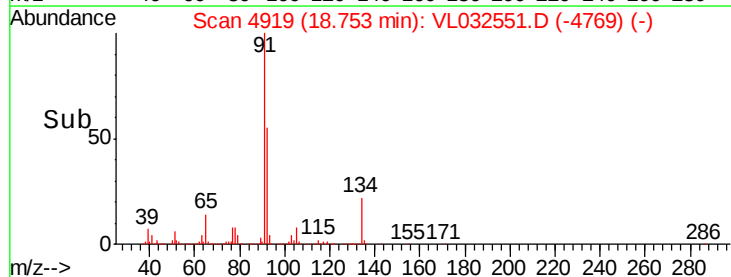
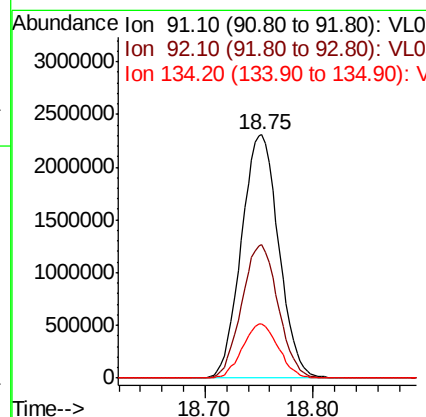
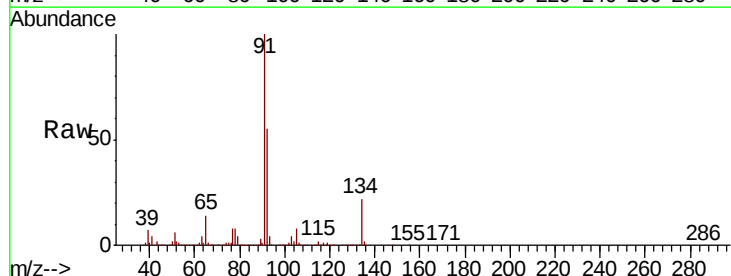
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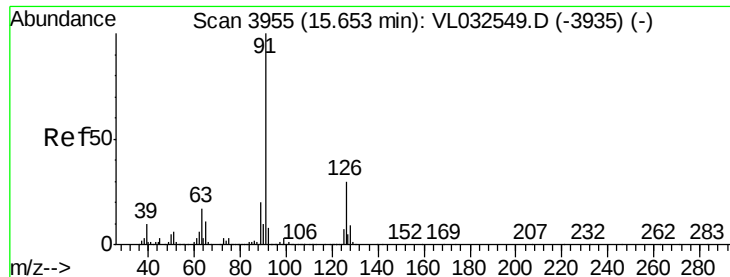
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#70
n-Butylbenzene
Concen: 9.610 ppbv
RT: 18.75 min Scan# 4919
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.8
134	21.6	17.4	26.0





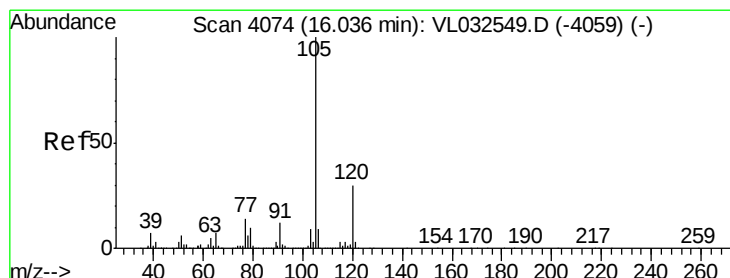
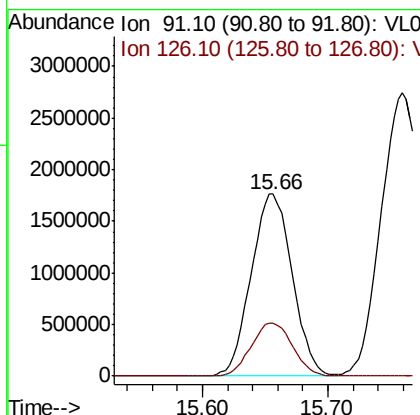
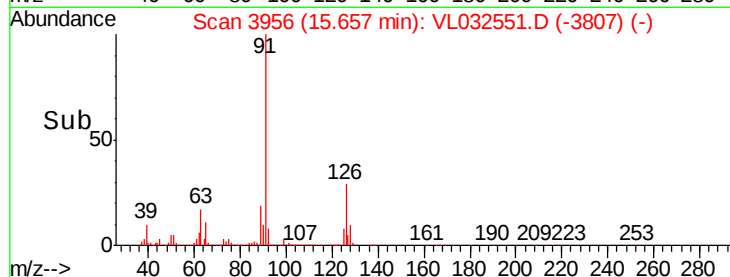
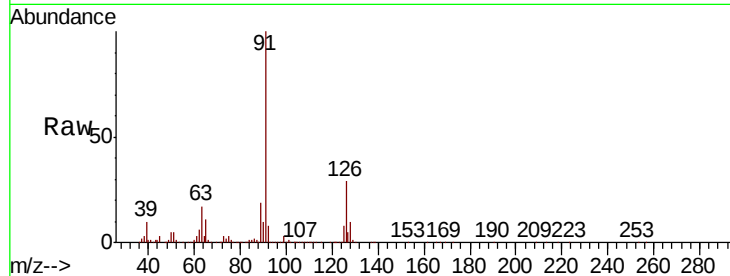
#71
 2-Chlorotoluene
 Concen: 9.874 ppbv
 RT: 15.66 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 91 Resp: 4024828
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.9 47.7

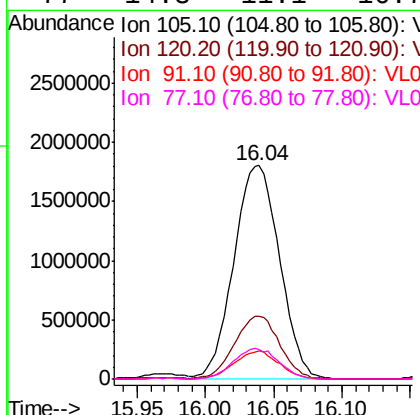
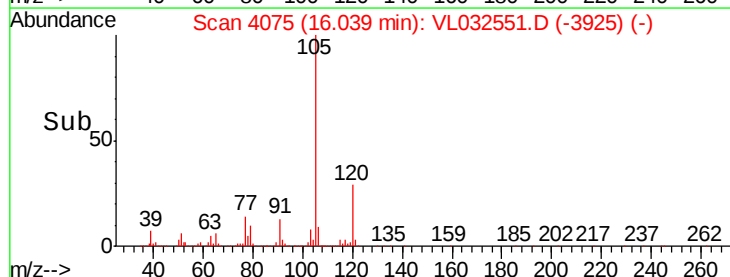
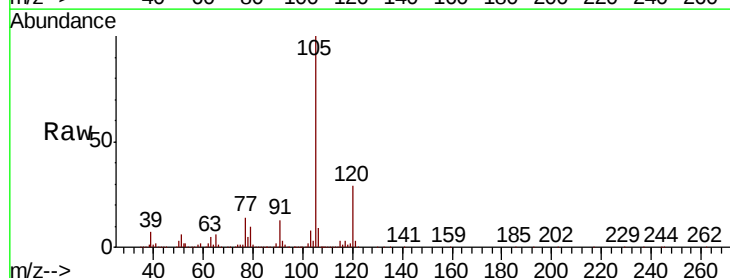
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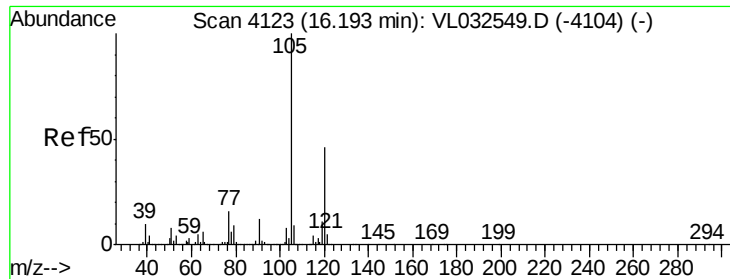
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#72
 4-Ethyltoluene
 Concen: 10.204 ppbv
 RT: 16.04 min Scan# 4075
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 105 Resp: 4191370
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.5 35.3
 91 12.8 10.2 15.2
 77 14.3 11.1 16.7





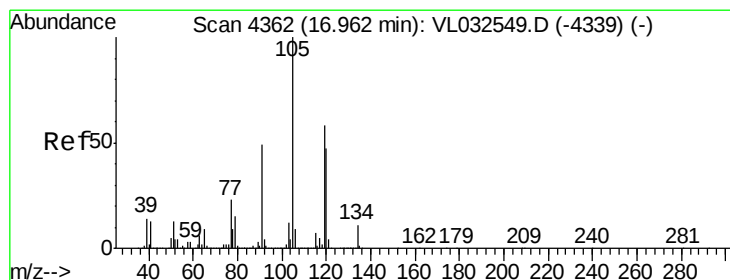
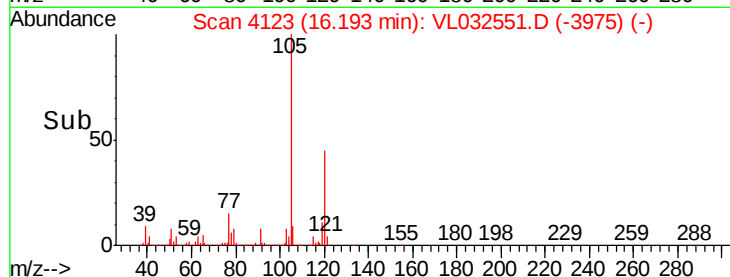
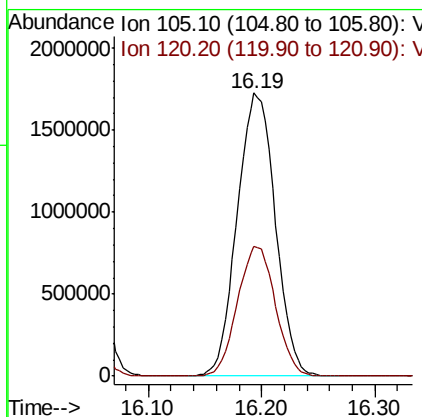
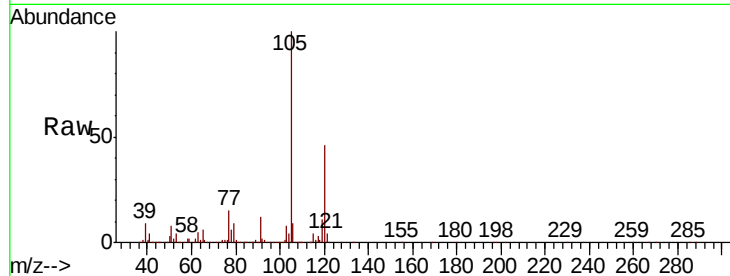
#73
 1,3,5-Trimethylbenzene
 Concen: 10.098 ppbv
 RT: 16.19 min Scan# 4123
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:105 Resp: 4030705
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.9 56.9

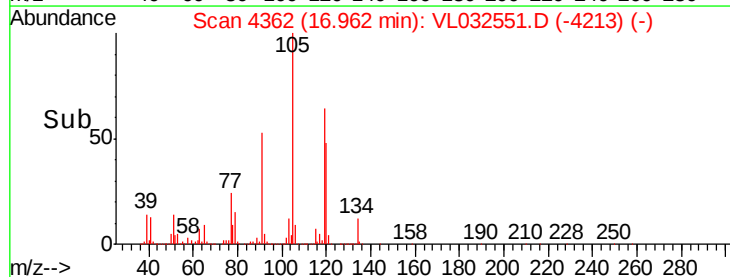
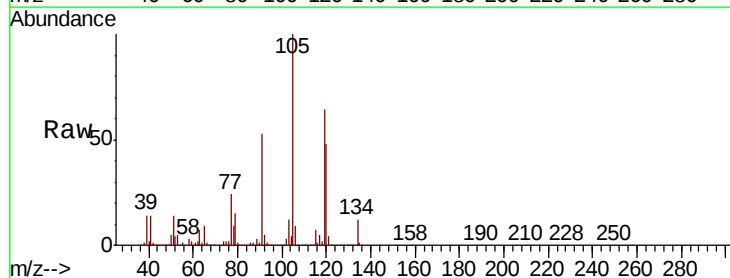
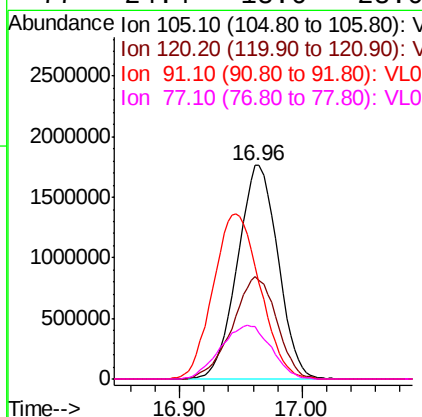
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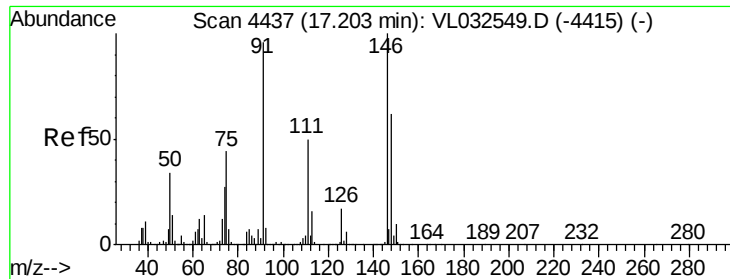
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.409 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion:105 Resp: 4044177
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.8
 91 52.8 41.4 62.0
 77 24.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.430 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion:146 Resp: 2235666

Ion Ratio Lower Upper

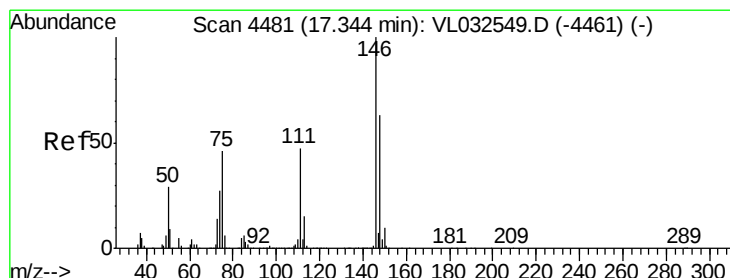
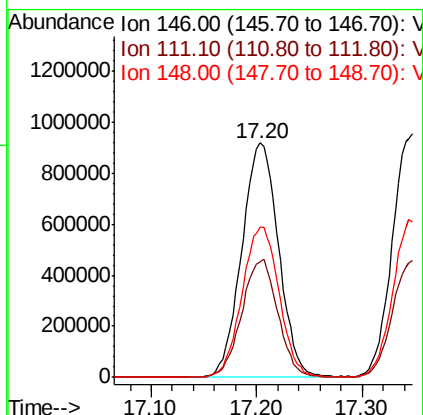
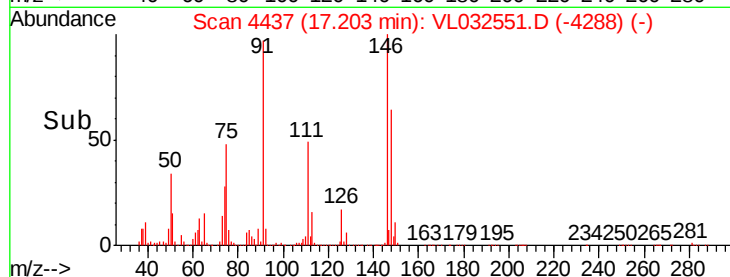
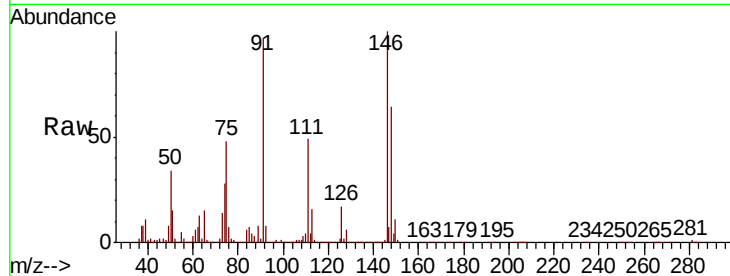
146 100

111 49.3 24.5 73.5

148 64.7 32.0 96.2

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#76

1,4-Dichlorobenzene

Concen: 9.169 ppbv

RT: 17.35 min Scan# 4482

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

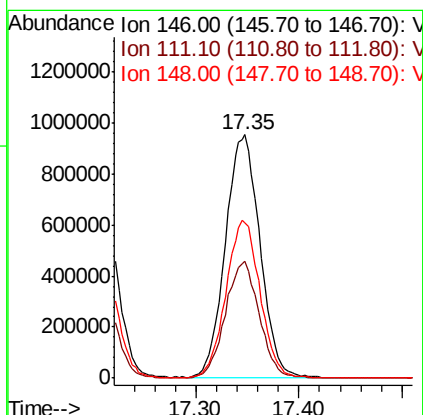
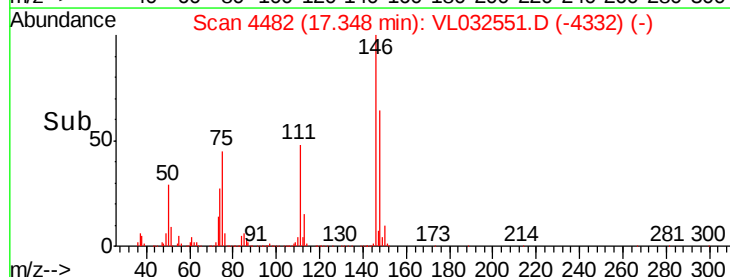
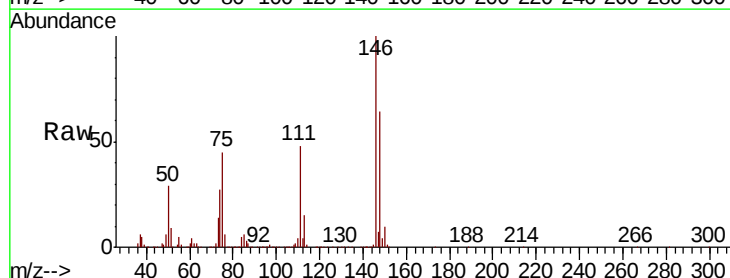
Tgt Ion:146 Resp: 2226692

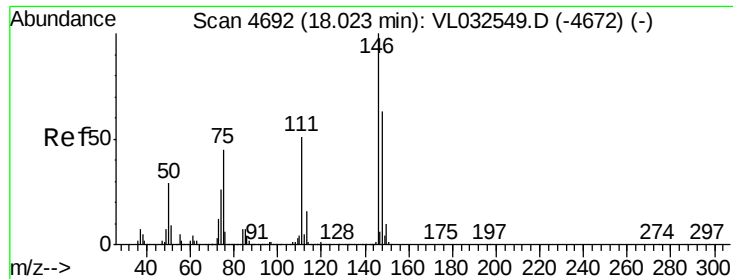
Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.2

148 64.0 32.0 96.2





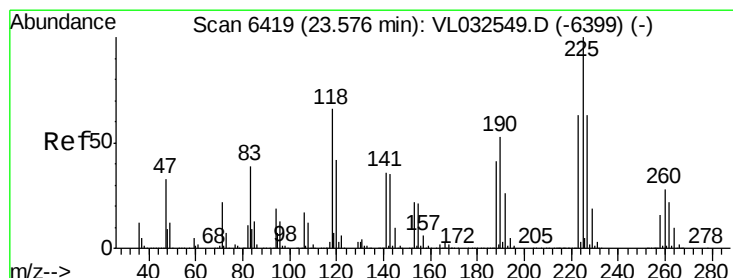
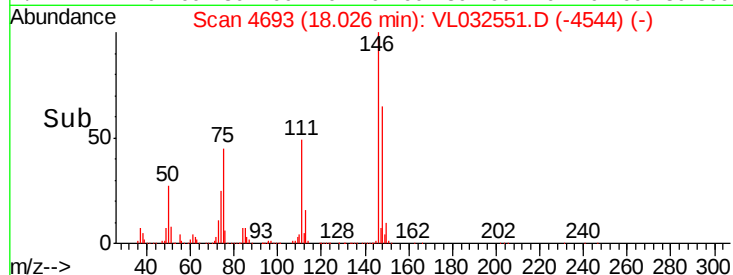
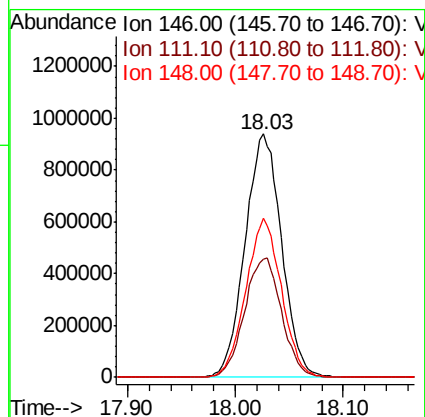
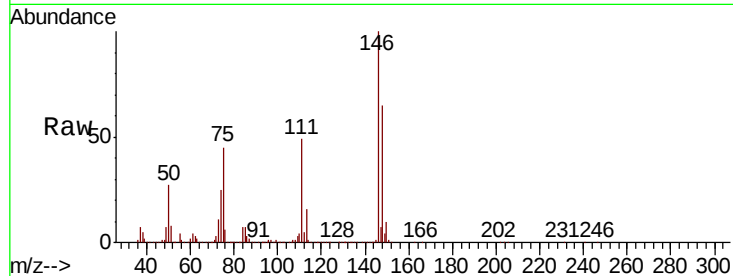
#77
 1,2-Dichlorobenzene
 Concen: 8.841 ppbv
 RT: 18.03 min Scan# 4693
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion:146 Resp: 2205107
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.9 74.8
 148 64.0 32.0 96.0

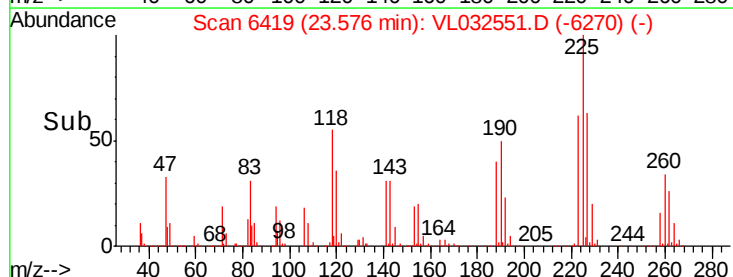
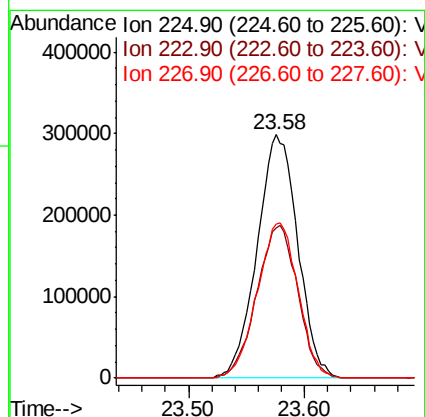
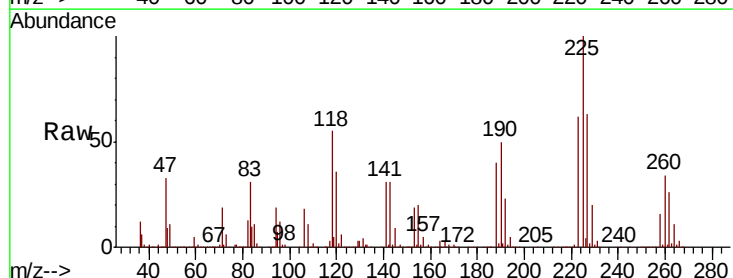
Manual Integrations
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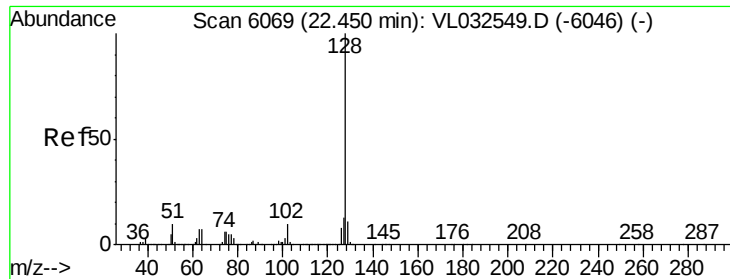
MMDadoda
 10/1/2018 11:57:36 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.761 ppbv
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion:225 Resp: 726487
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.6 76.0
 227 64.4 51.2 76.8





#79

Naphthalene

Concen: 11.292 ppbv

RT: 22.46 min Scan# 6071

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

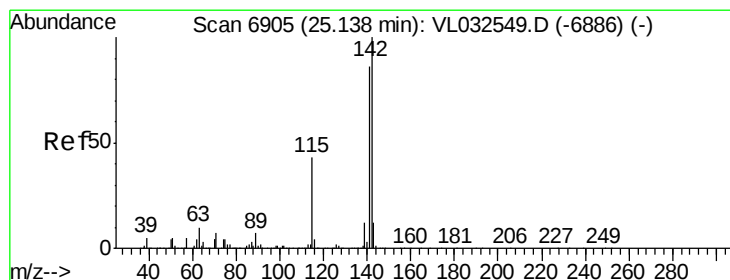
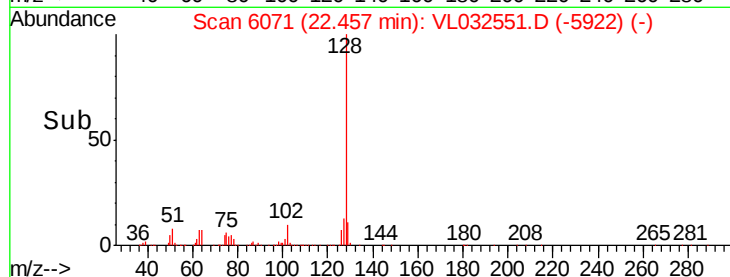
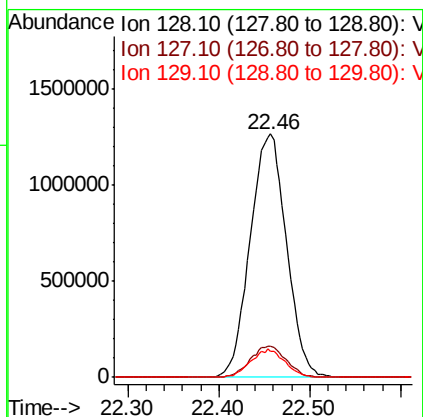
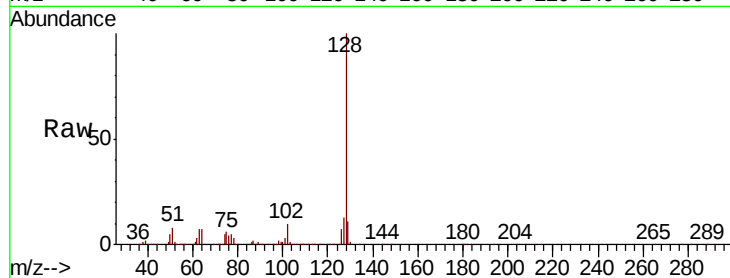
ClientSampleId :

VL0927ABS01

Tgt Ion:	128	Resp:	3500428
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.5	12.7

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#80

Naphthalene, 2-methyl-

Concen: 14.347 ppbv

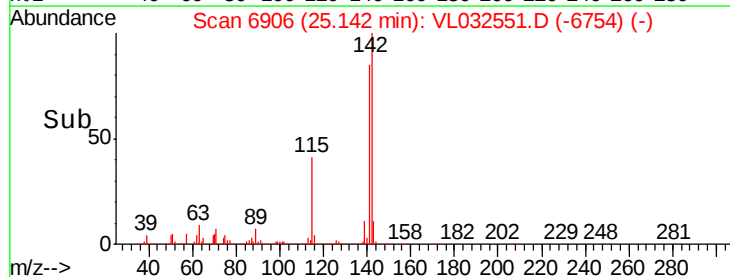
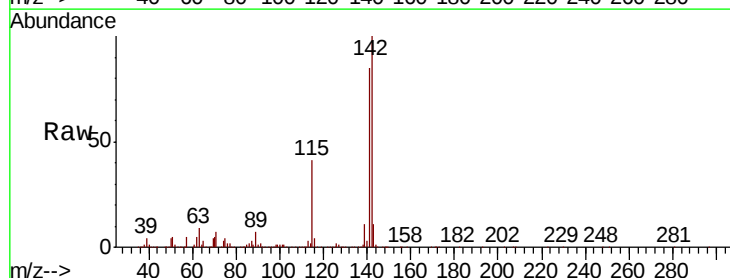
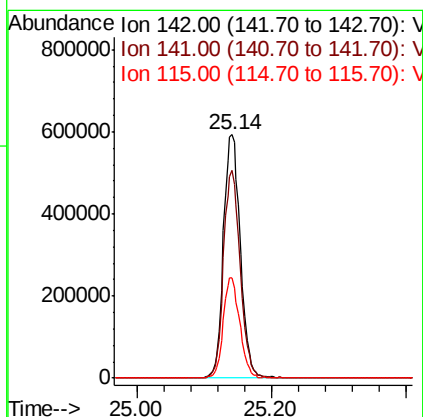
RT: 25.14 min Scan# 6906

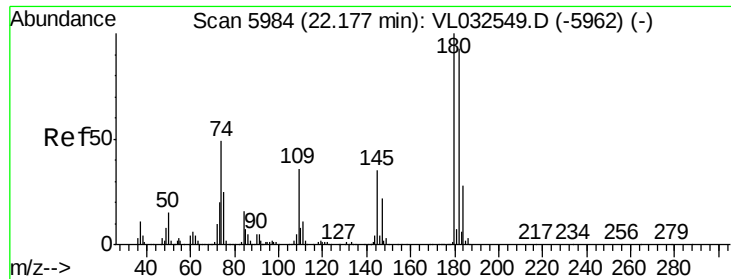
Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion:	142	Resp:	1044150
Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	40.4	31.3	46.9





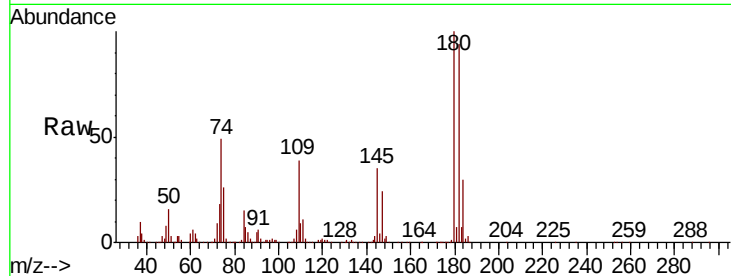
#81
 1,2,4-Trichlorobenzene
 Concen: 10.343 ppbv
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.5	23.8	35.8

Manual Integrations
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MMDadoda
 10/1/2018 11:57:36 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

