

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092018\
 Data File : VL032507.D
 Acq On : 20 Sep 2018 13:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 11:19:54 AM

Quant Time: Sep 21 02:27:33 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1536436	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3583045	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3788181m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2781272	9.89	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1233609	6.277	ppbv	99
3) Chlorodifluoromethane	3.03	51	1163539	8.366	ppbv	100
4) Chloromethane	3.19	50	690912	8.204	ppbv	100
5) Vinyl Chloride	3.31	62	656489	7.898	ppbv	97
6) Bromomethane	3.54	94	405548	9.295	ppbv	98
7) Chloroethane	3.62	64	261640	9.094	ppbv	100
8) Dichlorotetrafluoroethane	3.24	85	1410569	8.087	ppbv	98
9) Propene	3.06	41	561545	10.009	ppbv	99
10) Heptane	8.28	43	2167899	10.771	ppbv	99
11) Trichlorofluoromethane	4.03	101	1500259	8.466	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1258611	10.481	ppbv	99
13) Ethanol	3.68	45	144686	8.273	ppbv	99
14) Bromoethene	3.81	108	490427	9.639	ppbv	99
15) Acetone	3.93	43	1213309	8.769	ppbv	99
16) 1,3-Butadiene	3.39	39	524437	8.055	ppbv	99
17) tert-Butyl alcohol	4.38	59	228561	10.735	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	614182	11.191	ppbv	99
19) Isopropyl Alcohol	4.05	45	925463	10.196	ppbv #	97
20) Methylene Chloride	4.44	84	541222	10.259	ppbv	99
21) Allyl Chloride	4.51	41	1089772	11.859	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	598355	10.048	ppbv	98
23) Vinyl Acetate	5.18	43	2681538	11.692	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1872262	9.908	ppbv	99
25) Ethyl Acetate	5.80	43	3245231	9.932	ppbv	100
26) Hexane	5.81	57	1481661	10.127	ppbv	98
27) Carbon Disulfide	4.65	76	1608095	11.907	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	2095331	11.665	ppbv	99
29) Chloroform	5.88	83	2151729	9.646	ppbv	100
30) Cyclohexane	7.28	84	1310773	12.236	ppbv	100
31) cis-1,2-Dichloroethene	5.67	61	1437780	10.853	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2268550	10.910	ppbv	98
34) 2-Butanone	5.36	43	2147734	9.024	ppbv	99
35) Carbon Tetrachloride	7.17	117	2211041	9.181	ppbv	99
36) Benzene	7.04	78	3181171	10.433	ppbv	98
37) 1,2-Dichloroethane	6.45	62	1672610	8.951	ppbv	99
38) Trichloroethene	8.00	130	1108259	9.568	ppbv	99
39) 1,2-Dichloropropane	7.78	63	1316838	10.094	ppbv	99
40) 1,4-Dioxane	7.99	88	447141	11.424	ppbv	72
41) Tetrahydrofuran	6.18	42	1360948	10.504	ppbv	99
42) Bromodichloromethane	7.95	83	2520405	9.779	ppbv	100
43) Methyl Methacrylate	8.17	69	1347153	10.414	ppbv	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	5632217	9.554	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1886467	13.628	ppbv	96
46) cis-1,3-Dichloropropene	8.88	75	2040377	11.535	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1400522	10.097	ppbv	98
48) Dibromochloromethane	10.49	129	2311675	12.034	ppbv	100
49) Bromoform	13.24	173	1774927	10.630	ppbv	99
50) 4-Methyl-2-Pentanone	8.90	43	3510673	9.792	ppbv	99
51) 2-Hexanone	10.31	43	3107418	13.456	ppbv #	99
52) Tetrachloroethene	11.41	164	1003041	10.609	ppbv	98
53) Toluene	9.98	91	3983796	12.499	ppbv	100
54) 1,2-Dibromoethane	10.80	107	2120678	11.387	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.32	131	1523517	8.921	ppbv #	61
57) Chlorobenzene	12.34	112	2726081	9.004	ppbv	99
58) Ethyl Benzene	12.90	91	4935822	10.888	ppbv	99
59) m/p-Xylene	13.19	91	7977255m	19.738	ppbv	
60) o-Xylene	13.89	91	3904409	9.835	ppbv	100
61) Styrene	13.72	104	2993590	11.648	ppbv	99
62) Isopropylbenzene	14.87	105	5571607	9.983	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.88	83	2937075	8.274	ppbv	100
64) n-propylbenzene	15.76	120	1454485	9.969	ppbv	99
65) tert-Butylbenzene	16.95	119	4612733	9.592	ppbv	99
66) Benzyl Chloride	17.20	91	3003454	11.211	ppbv	100
67) sec-Butylbenzene	17.50	105	6832306	9.447	ppbv	100
69) p-Isopropyltoluene	17.86	119	5484782	9.785	ppbv	100
70) n-Butylbenzene	18.76	91	6026398	9.485	ppbv	99
71) 2-Chlorotoluene	15.66	91	4386201	10.287	ppbv	100
72) 4-Ethyltoluene	16.04	105	4586621	10.582	ppbv	99
73) 1,3,5-Trimethylbenzene	16.20	105	4348130	10.013	ppbv	97
74) 1,2,4-Trimethylbenzene	16.97	105	4347381	9.157	ppbv	93
75) 1,3-Dichlorobenzene	17.21	146	2429194	8.624	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2443610	9.349	ppbv	100
77) 1,2-Dichlorobenzene	18.03	146	2406961	8.856	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	1477206	14.547	ppbv	100
79) Naphthalene	22.46	128	4158570	10.772	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1629645	15.865	ppbv	100
81) 1,2,4-Trichlorobenzene	22.18	180	1985719	10.213	ppbv	99

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

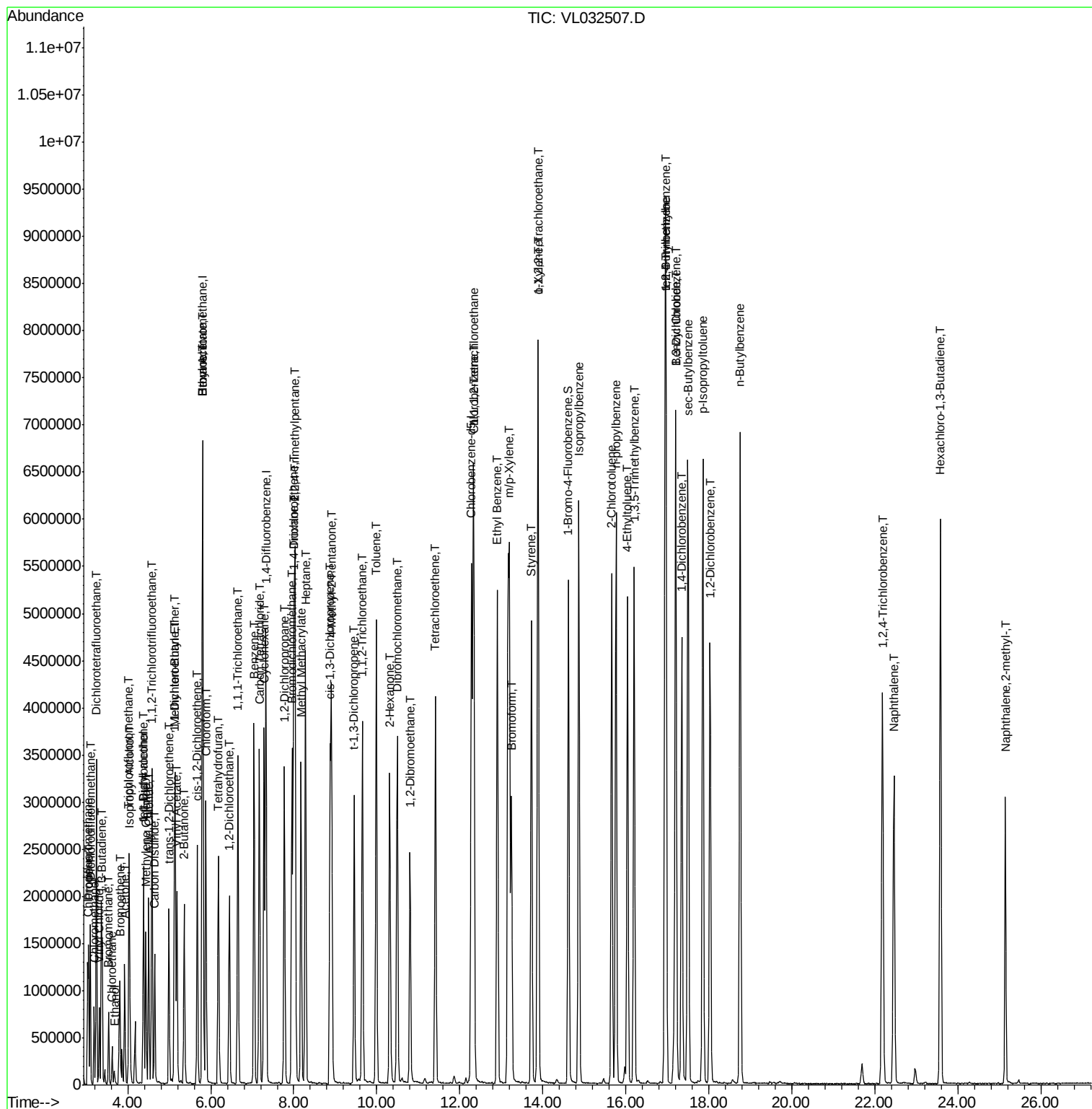
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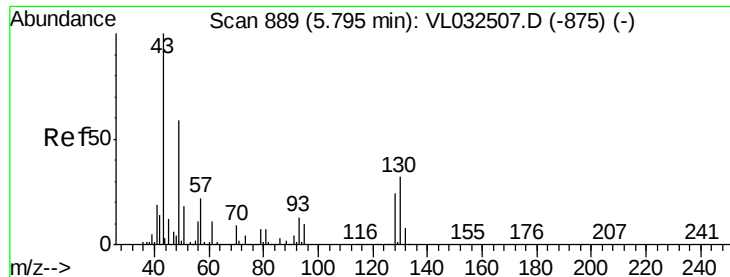
Instrument :
MSVOA_L
ClientSampleId :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1536436

Ion Ratio Lower Upper

49 100

128 42.2 20.7 62.1

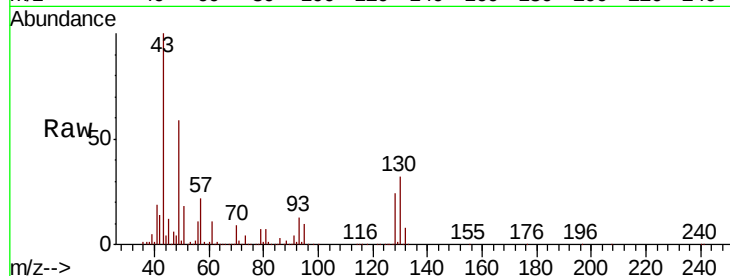
130 53.7 26.6 79.7

Manual Integrations

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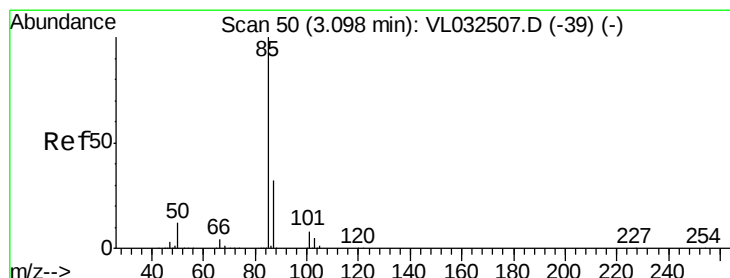
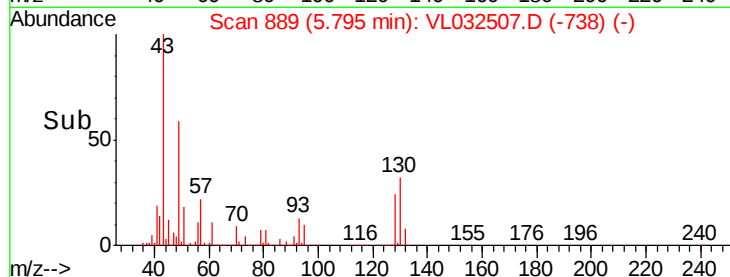
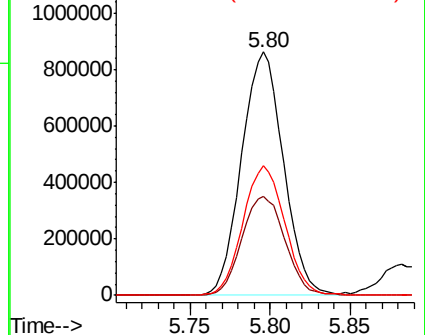
9/24/2018 11:19:54 AM



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: 6.277 ppbv

RT: 3.10 min Scan# 50

Delta R.T. -0.01 min

Lab File: VL032507.D

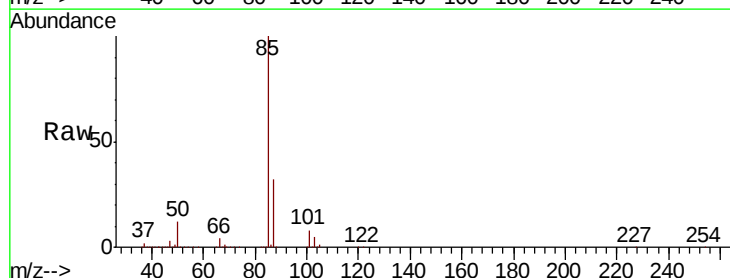
Acq: 20 Sep 2018 13:32

Tgt Ion: 85 Resp: 1233609

Ion Ratio Lower Upper

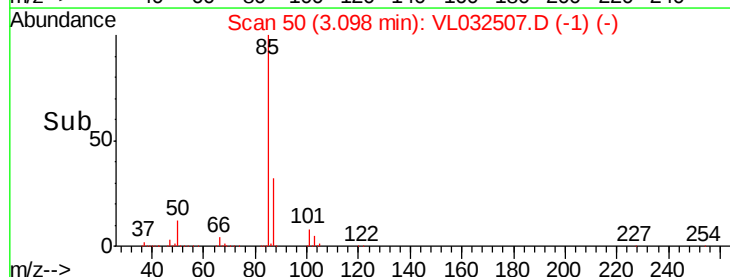
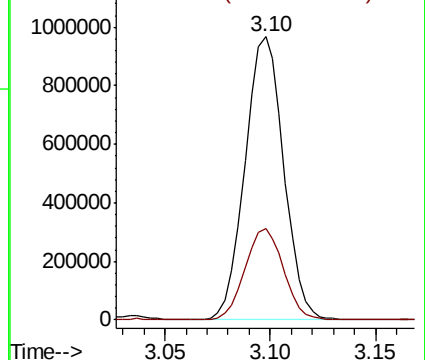
85 100

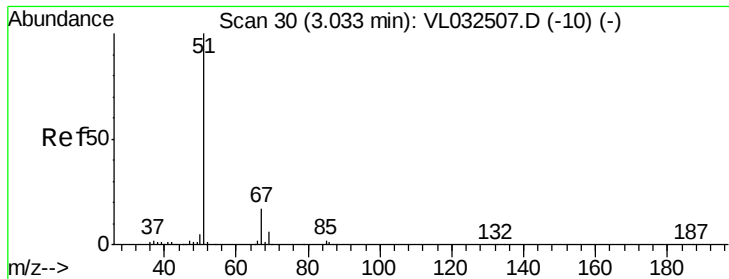
87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.366 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1163539

Ion Ratio Lower Upper

51 100

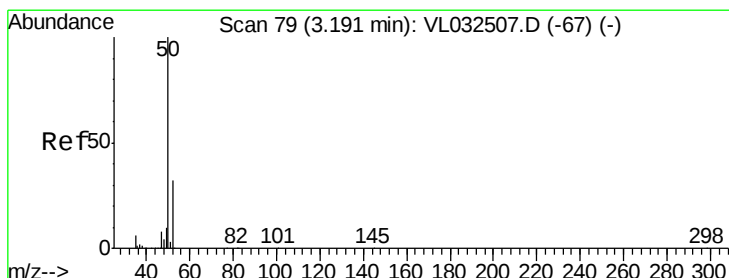
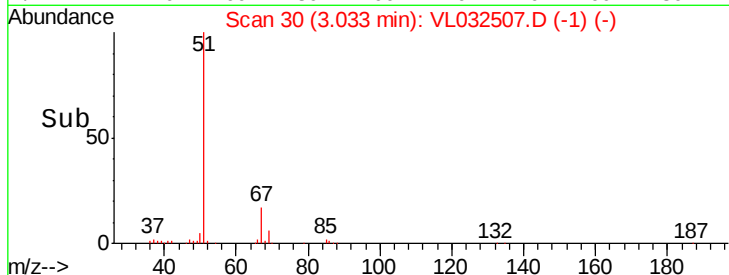
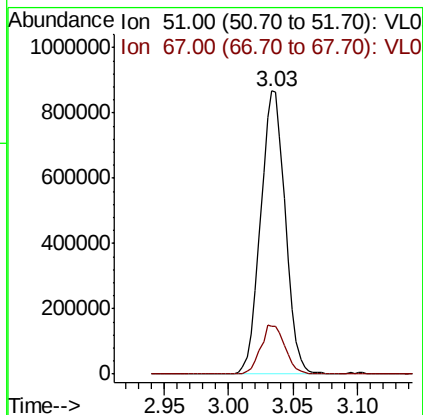
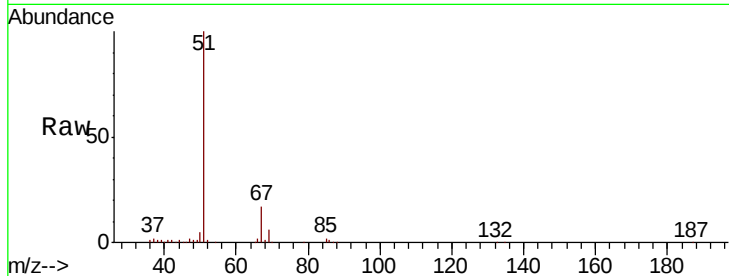
67 17.2 13.8 20.8

Manual Integrations

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#4

Chloromethane

Concen: 8.204 ppbv

RT: 3.19 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL032507.D

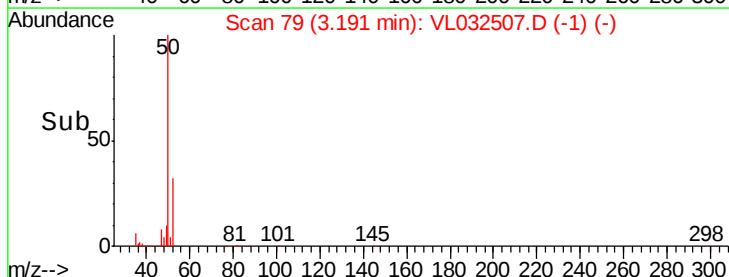
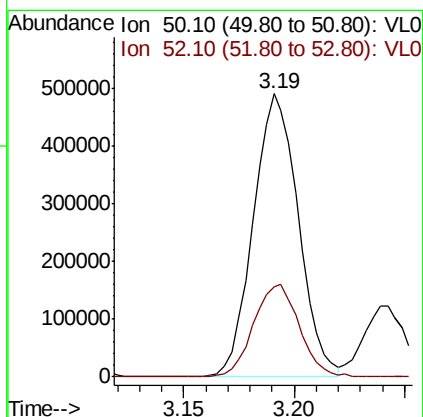
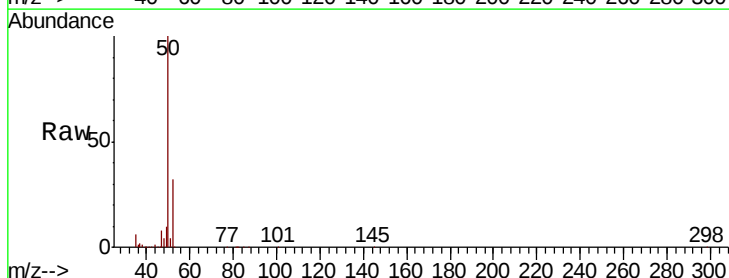
Acq: 20 Sep 2018 13:32

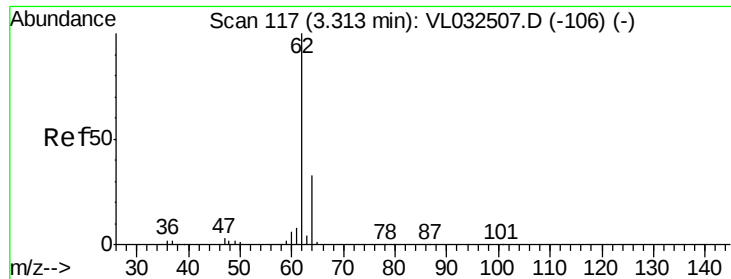
Tgt Ion: 50 Resp: 690912

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4





#5

Vinyl Chloride

Concen: 7.898 ppbv

RT: 3.31 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 656489

Ion Ratio Lower Upper

62 100

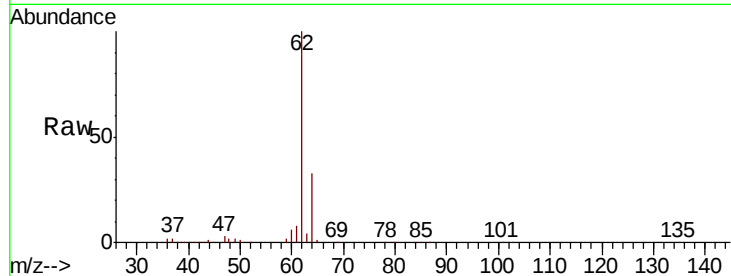
64 32.7 25.0 37.6

Manual Integrations

APPROVED

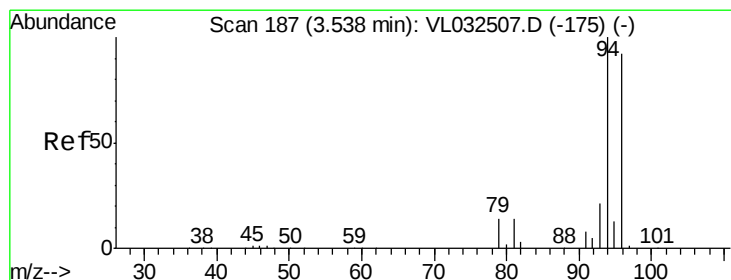
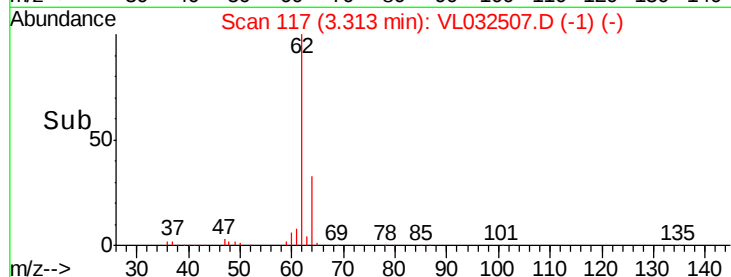
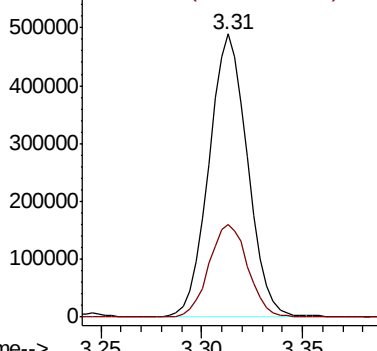
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.295 ppbv

RT: 3.54 min Scan# 187

Delta R.T. -0.01 min

Lab File: VL032507.D

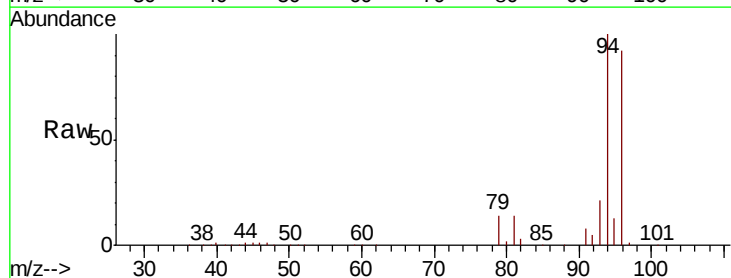
Acq: 20 Sep 2018 13:32

Tgt Ion: 94 Resp: 405548

Ion Ratio Lower Upper

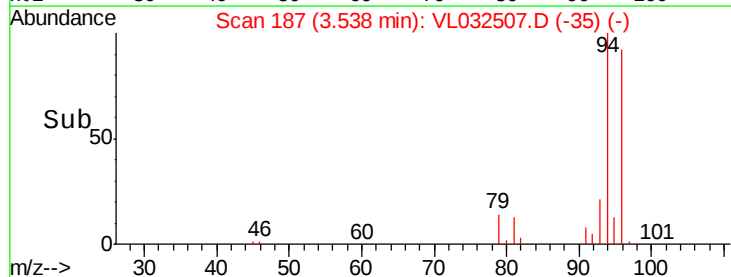
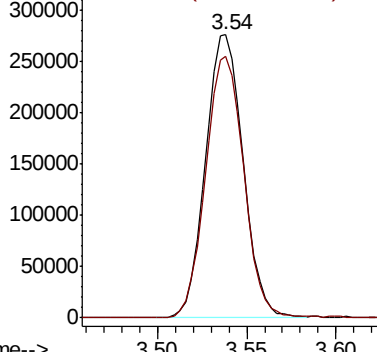
94 100

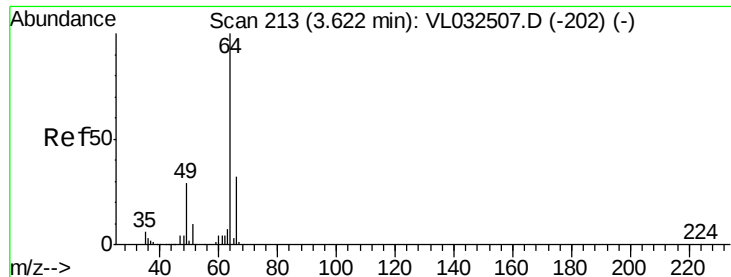
96 92.5 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.094 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 261640

Ion Ratio Lower Upper

64 100

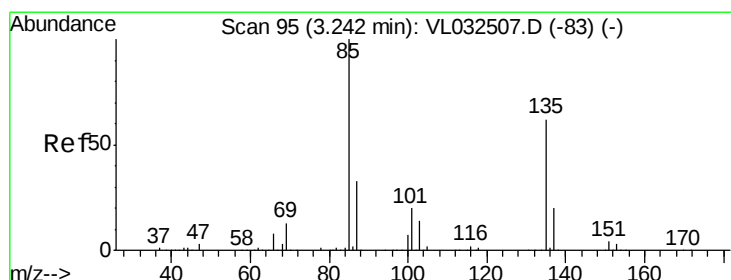
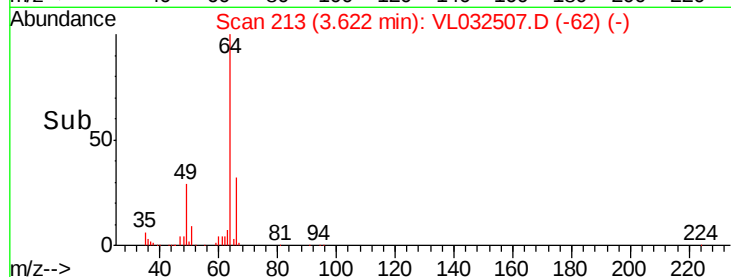
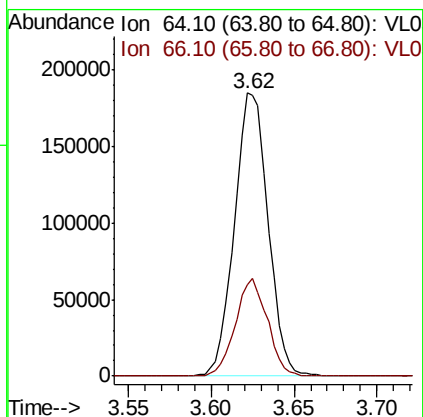
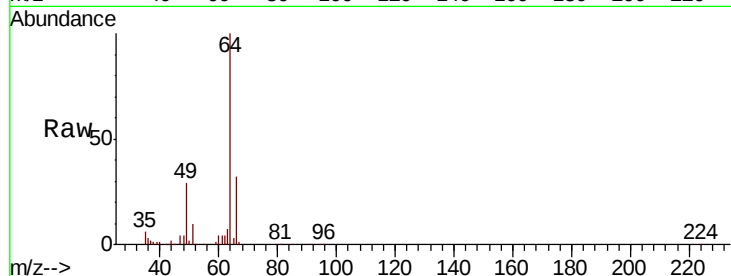
66 32.2 25.8 38.6

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#8

Dichlorotetrafluoroethane

Concen: 8.087 ppbv

RT: 3.24 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL032507.D

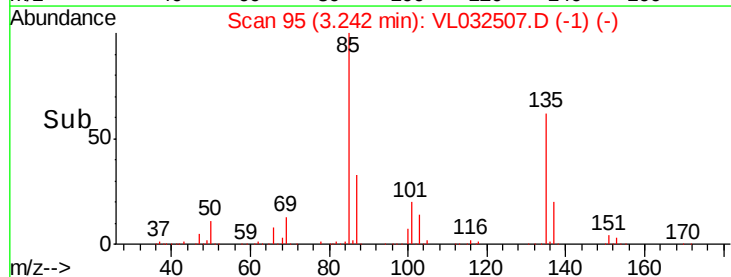
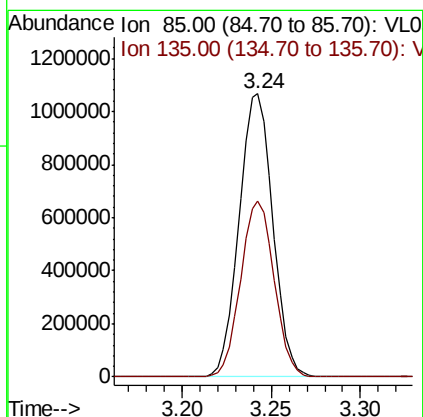
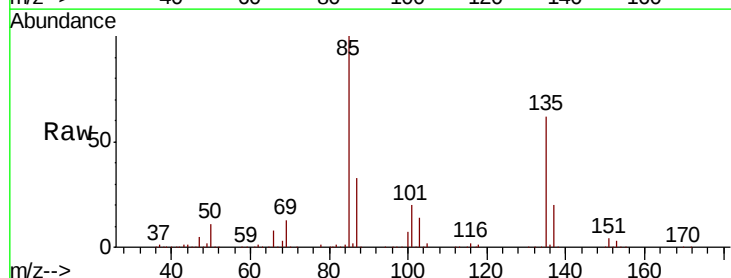
Acq: 20 Sep 2018 13:32

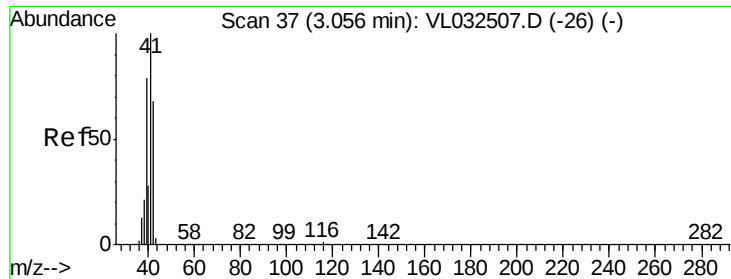
Tgt Ion: 85 Resp: 1410569

Ion Ratio Lower Upper

85 100

135 62.1 48.6 72.8





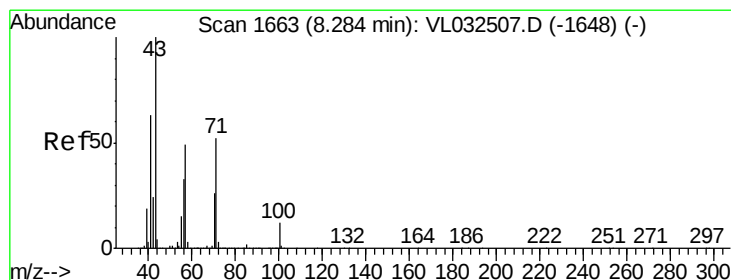
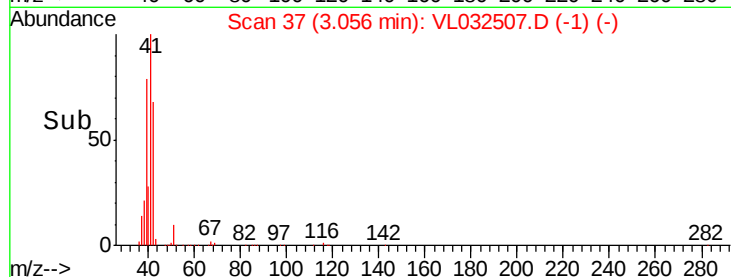
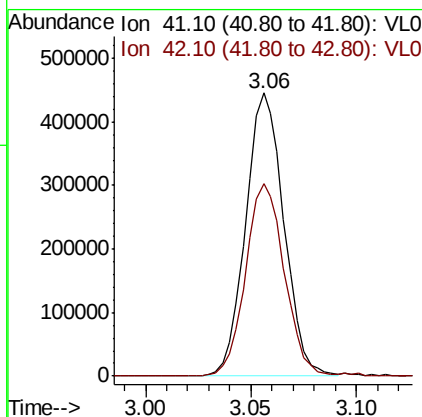
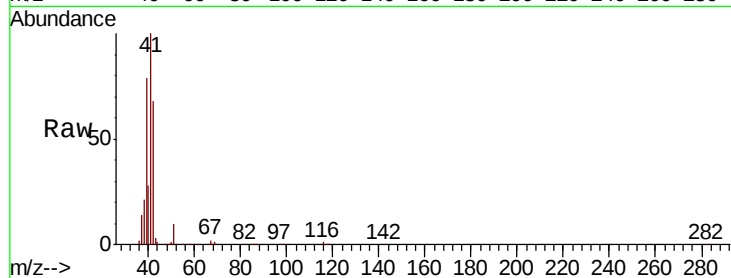
#9
 Propene
 Concen: 10.009 ppbv
 RT: 3.06 min Scan# 37
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 561545
 Ion Ratio Lower Upper
 41 100
 42 69.9 56.6 84.8

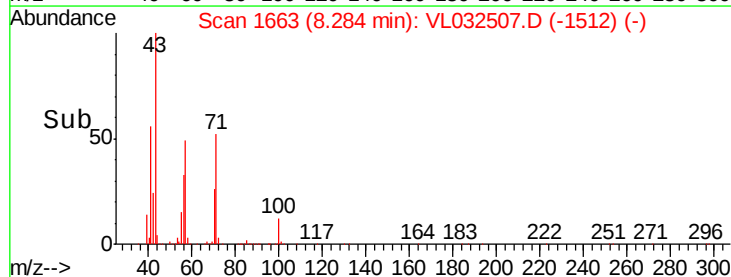
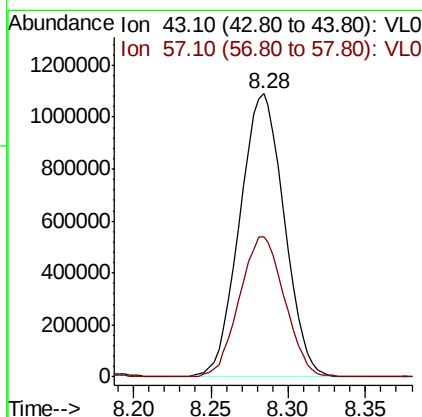
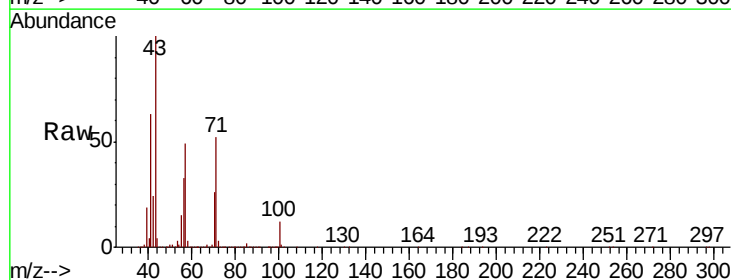
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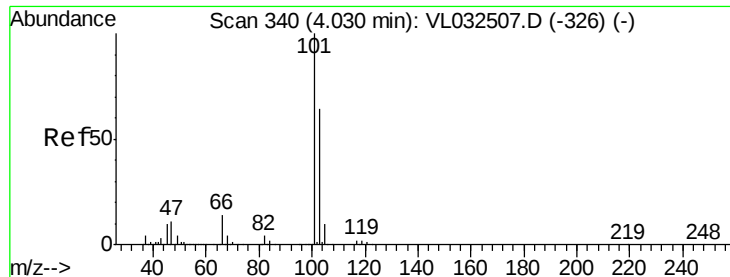
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#10
 Heptane
 Concen: 10.771 ppbv
 RT: 8.28 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion: 43 Resp: 2167899
 Ion Ratio Lower Upper
 43 100
 57 50.5 39.6 59.4





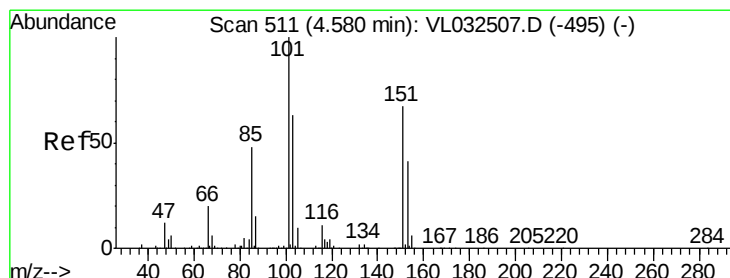
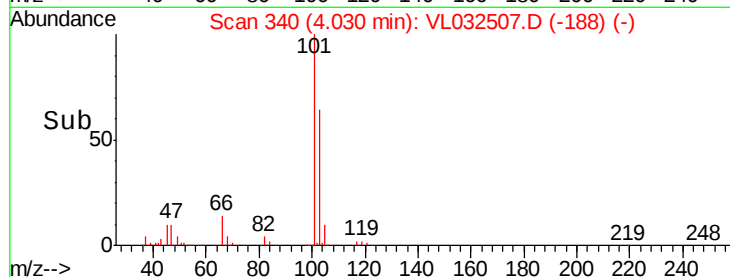
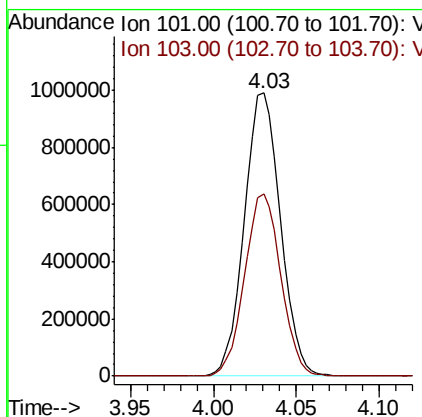
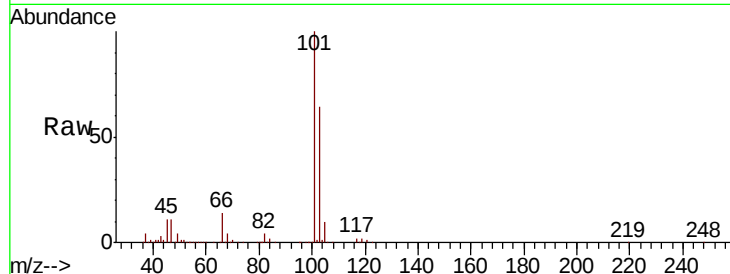
#11
 Trichlorofluoromethane
 Concen: 8.466 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1500259
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.8 79.2

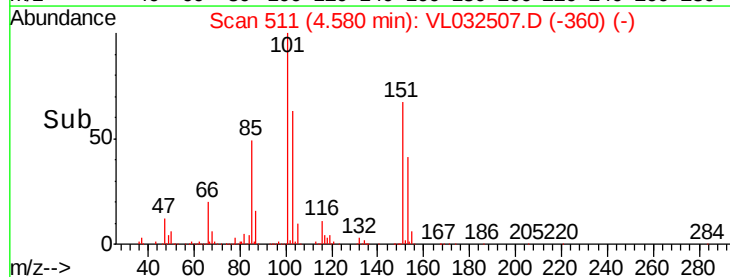
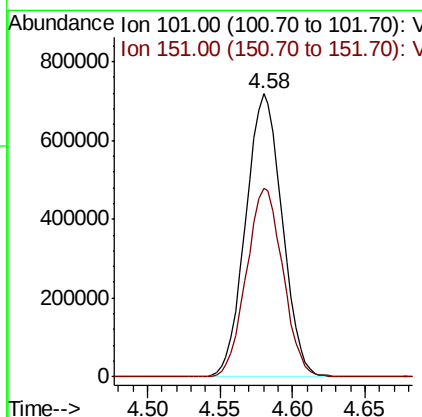
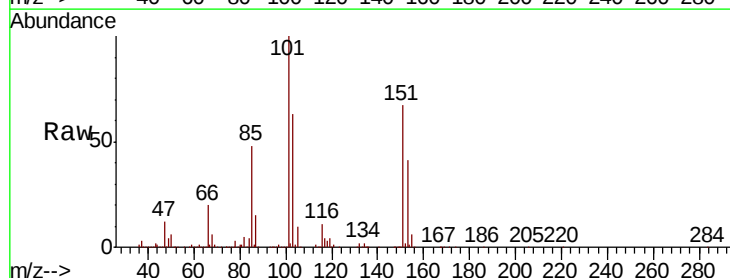
Manual Integrations
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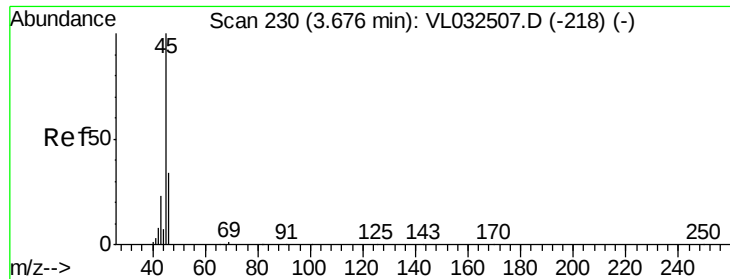
MMDadoda
 9/24/2018 11:19:54 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.481 ppbv
 RT: 4.58 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion:101 Resp: 1258611
 Ion Ratio Lower Upper
 101 100
 151 66.8 52.6 78.8





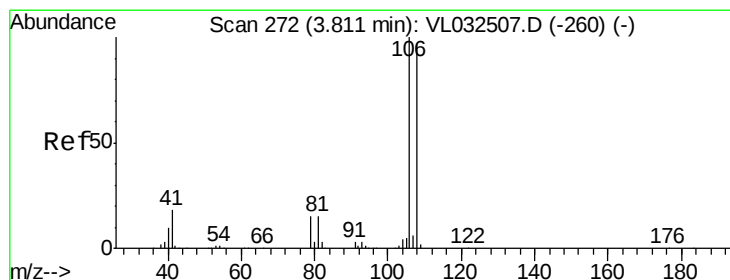
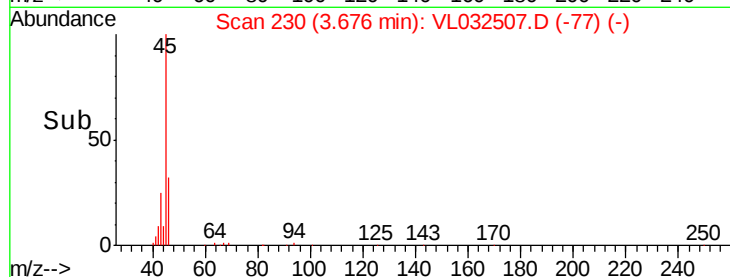
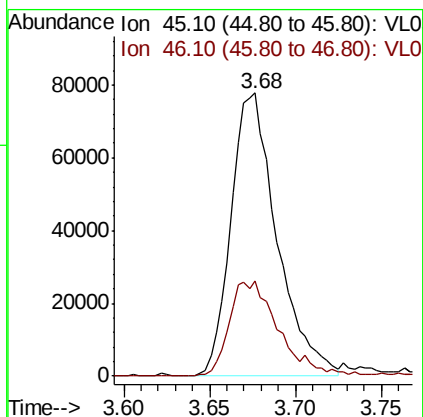
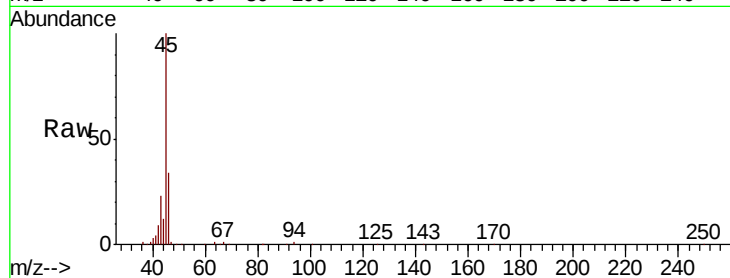
#13
Ethanol
Concen: 8.273 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 144686
Ion Ratio Lower Upper
45 100
46 36.3 14.2 56.8

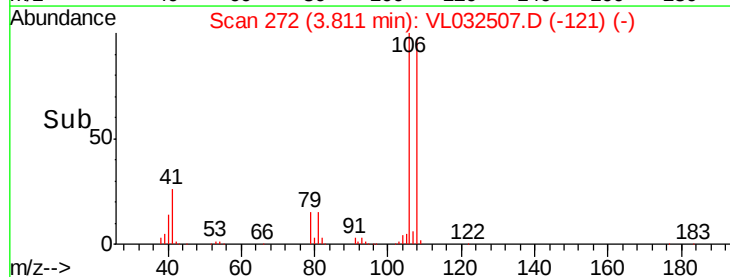
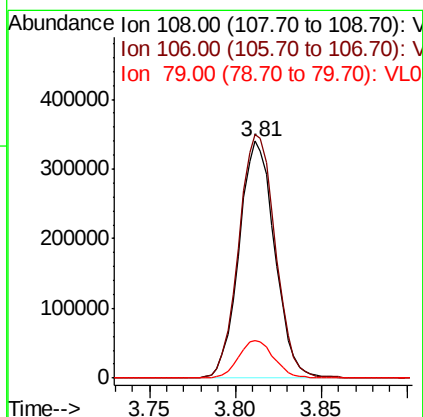
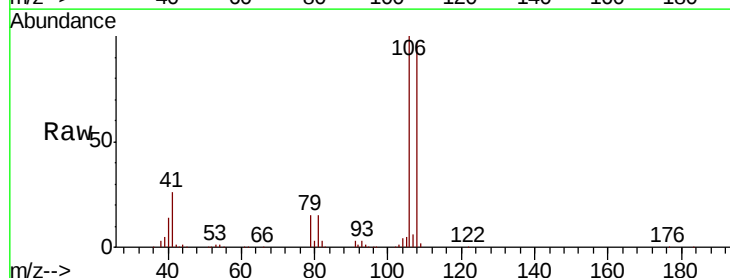
Manual Integrations
APPROVED

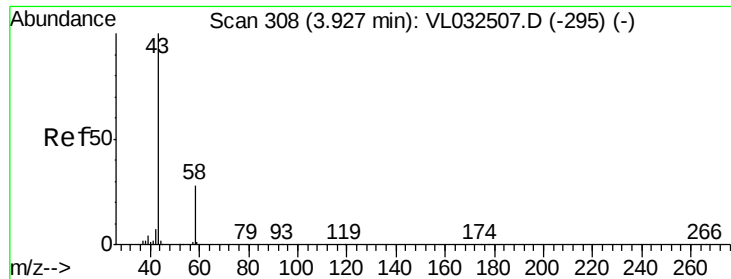
MMDadoda
9/24/2018 11:19:54 AM



#14
Bromoethene
Concen: 9.639 ppbv
RT: 3.81 min Scan# 272
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 108 Resp: 490427
Ion Ratio Lower Upper
108 100
106 105.4 85.5 128.3
79 16.0 13.0 19.6





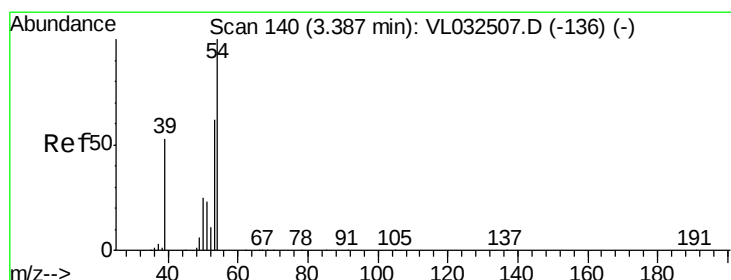
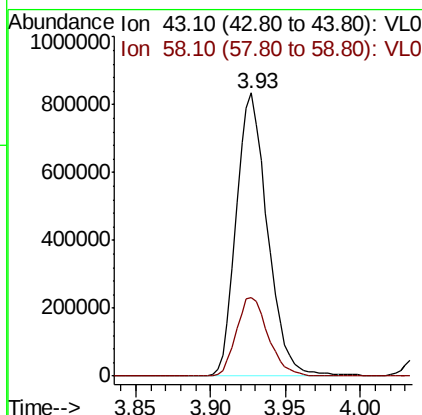
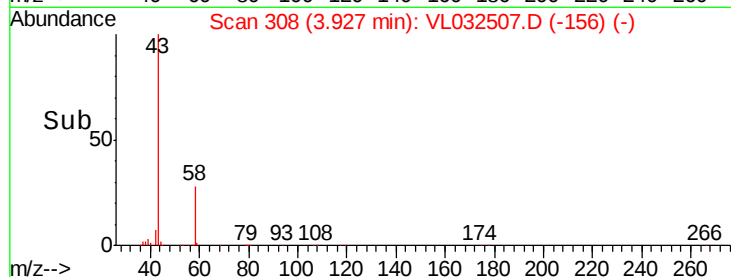
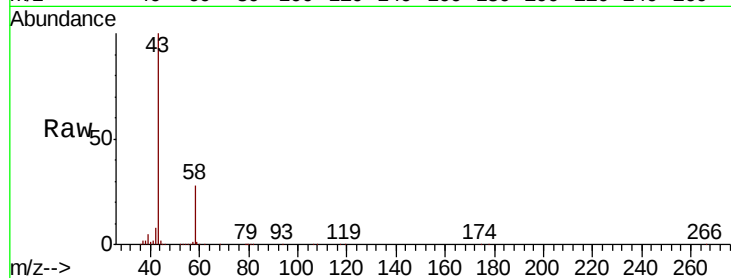
#15
Acetone
Concen: 8.769 ppbv
RT: 3.93 min Scan# 308
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1213309
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8

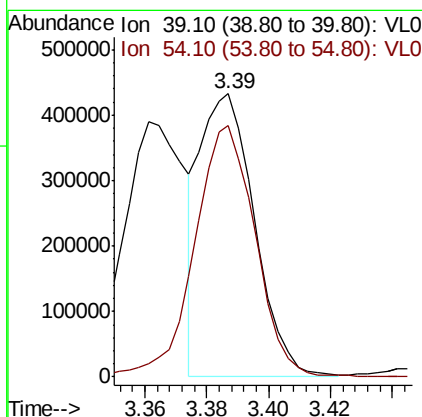
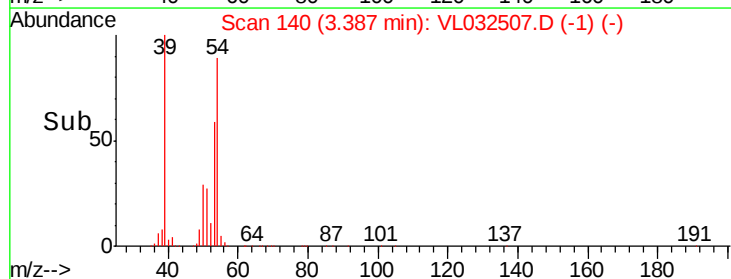
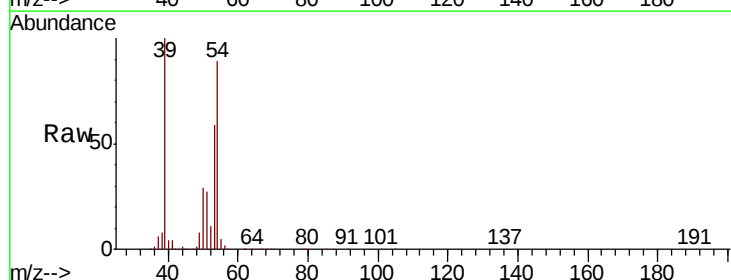
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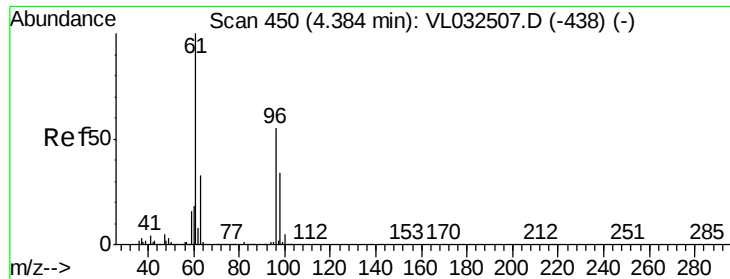
MMDadoda
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#16
1,3-Butadiene
Concen: 8.055 ppbv
RT: 3.39 min Scan# 140
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 39 Resp: 524437
Ion Ratio Lower Upper
39 100
54 100.4 80.8 121.2





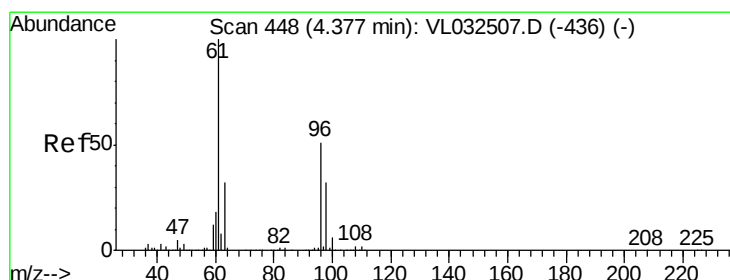
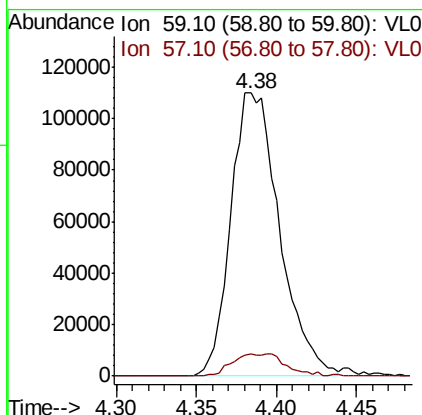
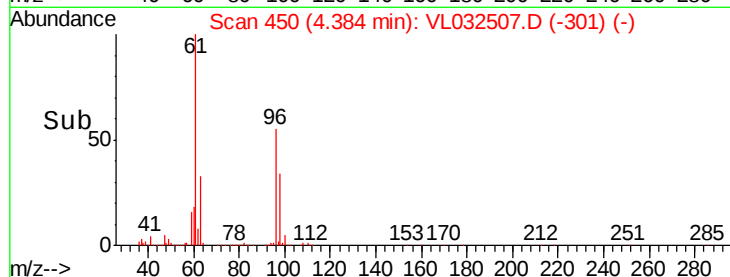
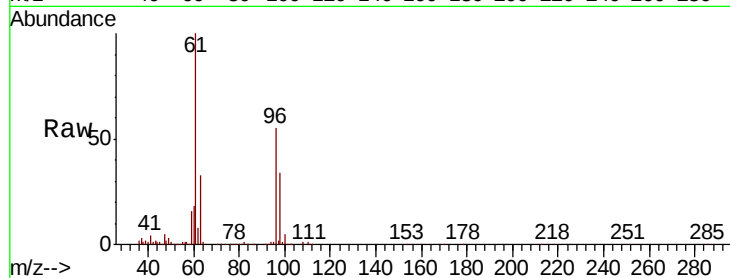
#17
tert-Butyl alcohol
Concen: 10.735 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	0.0	0.0#

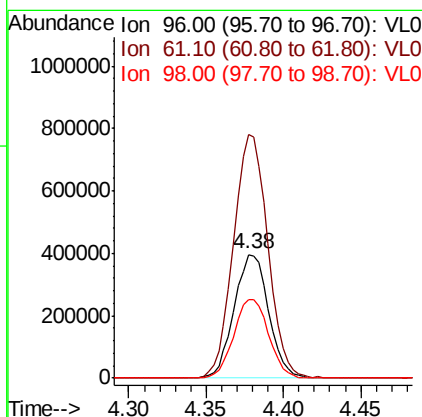
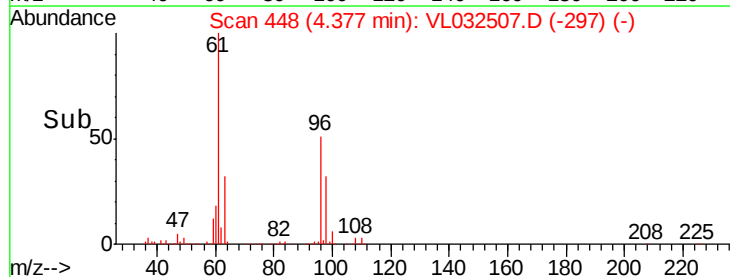
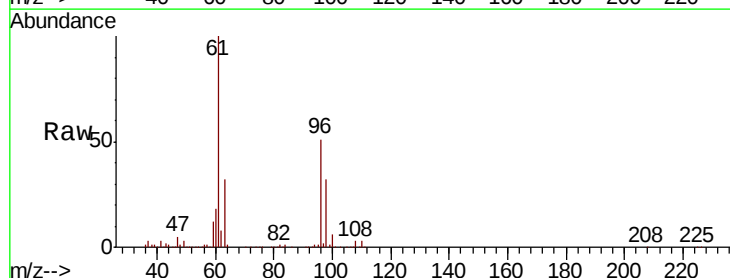
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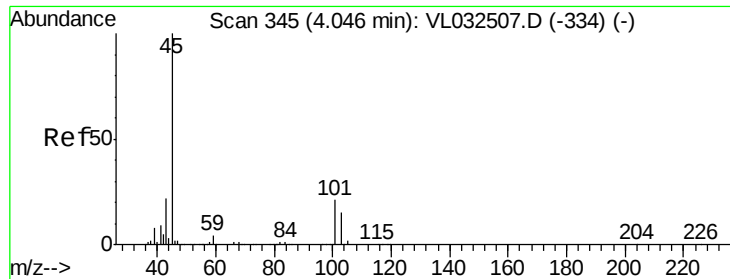
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#18
1,1-Dichloroethene
Concen: 11.191 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.2	159.2	238.8
98	63.2	51.0	76.4





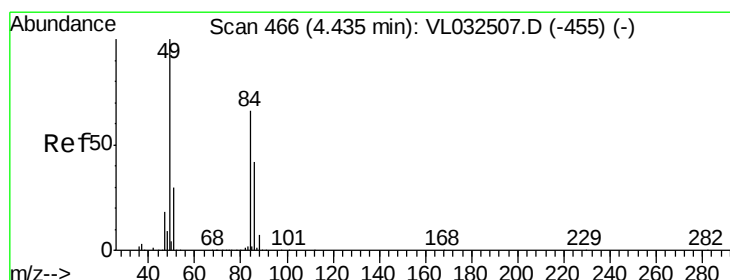
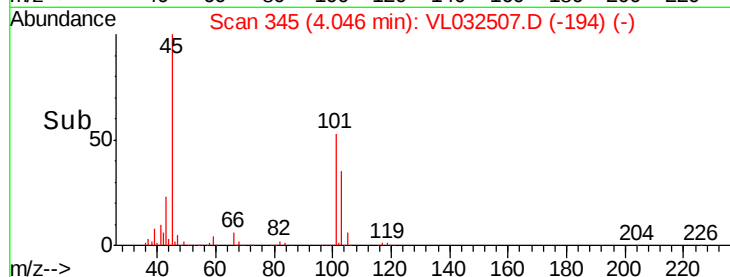
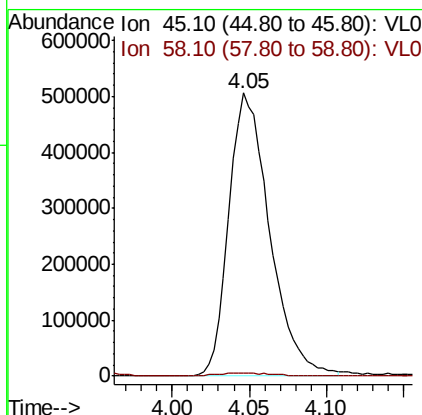
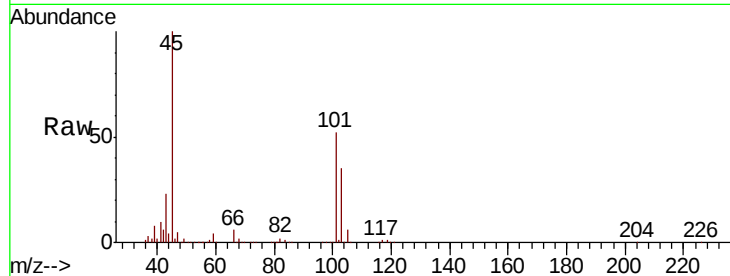
#19
Isopropyl Alcohol
Concen: 10.196 ppbv
RT: 4.05 min Scan# 345
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 925463
Ion Ratio Lower Upper
45 100
58 1.6 2.0 3.0#

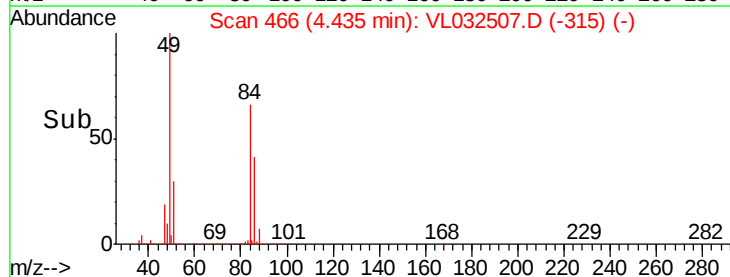
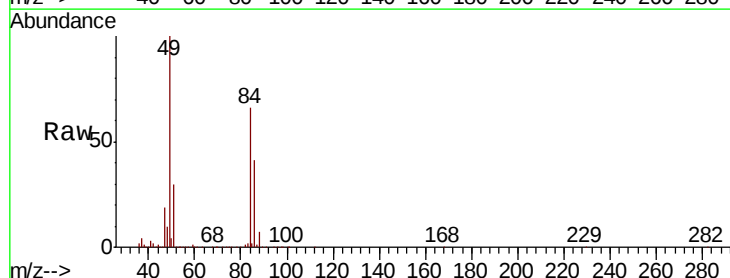
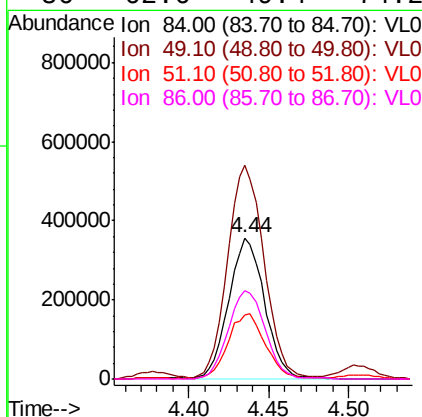
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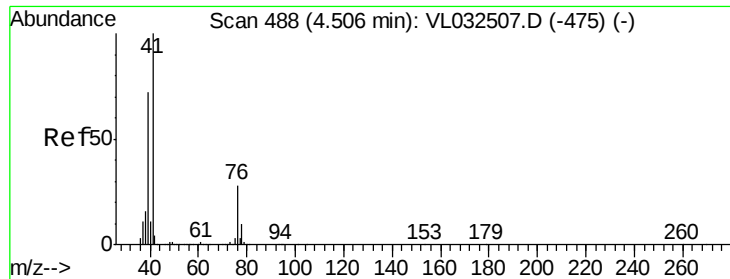
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#20
Methylene Chloride
Concen: 10.259 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 84 Resp: 541222
Ion Ratio Lower Upper
84 100
49 150.8 119.1 178.7
51 44.7 35.2 52.8
86 62.6 49.4 74.2





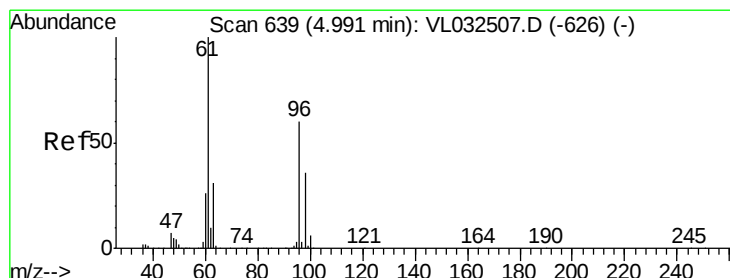
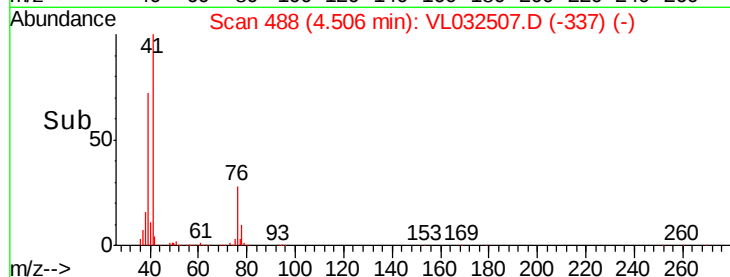
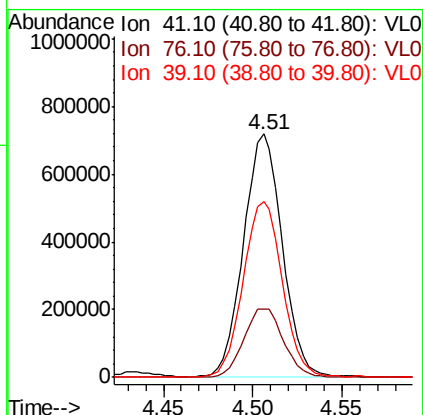
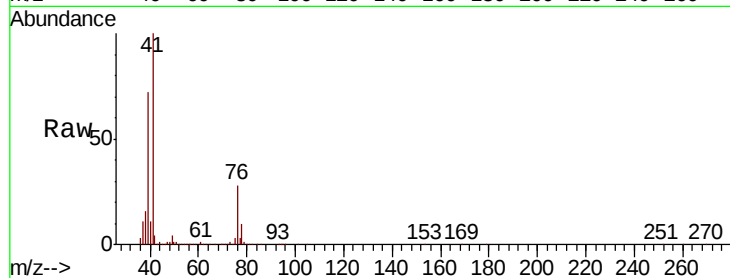
#21
Allvl Chloride
Concen: 11.859 ppbv
RT: 4.51 min Scan# 488
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1089772
Ion Ratio Lower Upper
41 100
76 29.1 23.6 35.4
39 72.8 57.7 86.5

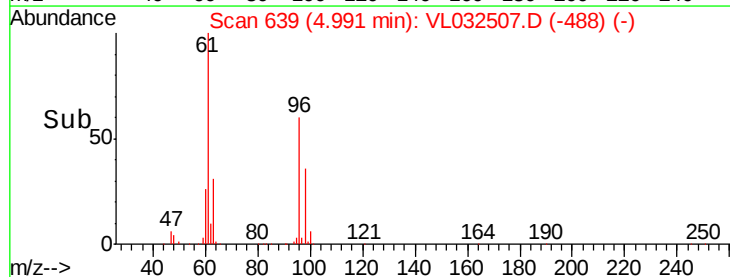
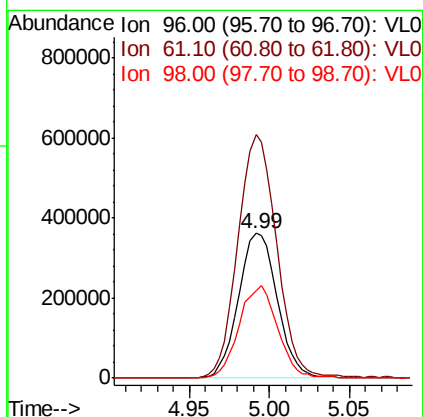
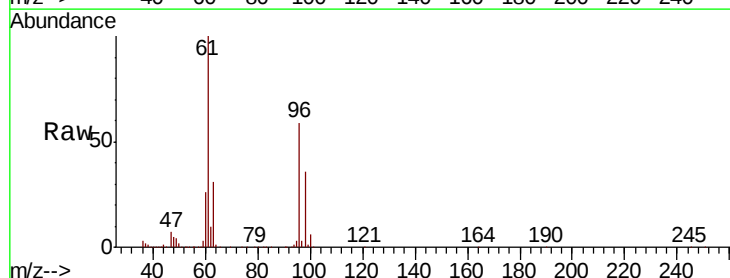
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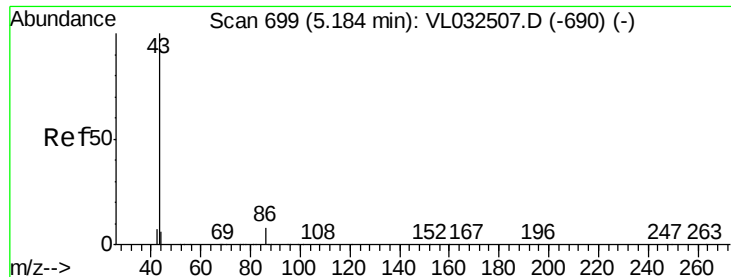
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#22
trans-1,2-Dichloroethene
Concen: 10.048 ppbv
RT: 4.99 min Scan# 639
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 96 Resp: 598355
Ion Ratio Lower Upper
96 100
61 168.0 136.2 204.4
98 60.4 50.4 75.6





#23

Vinyl Acetate

Concen: 11.692 ppbv

RT: 5.18 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2681538

Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9

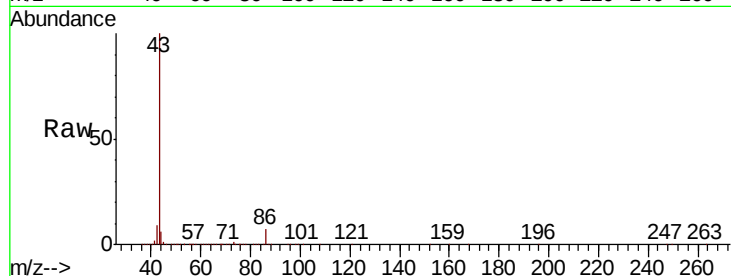
42 8.4 6.9 10.3

44 5.5 4.6 7.0

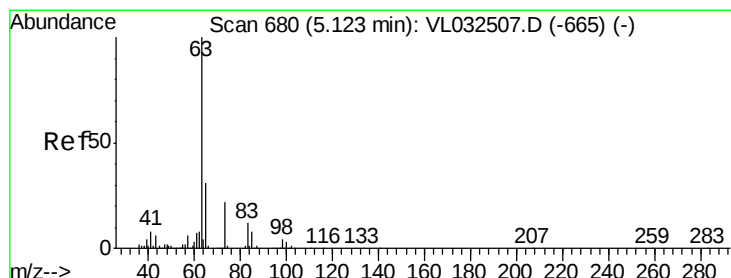
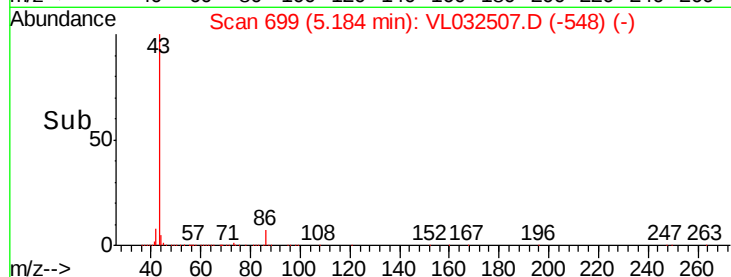
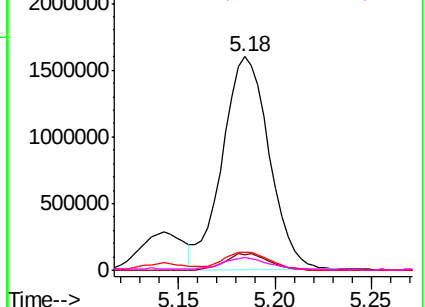
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Abundance Ion 43.10 (42.80 to 43.80): VL0
2500000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.908 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

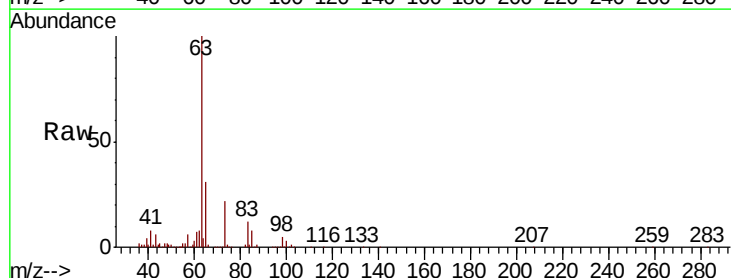
Tgt Ion: 63 Resp: 1872262

Ion Ratio Lower Upper

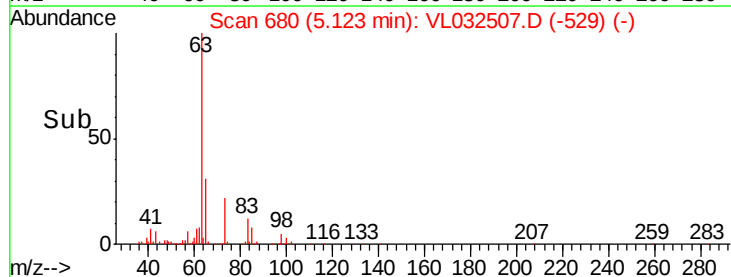
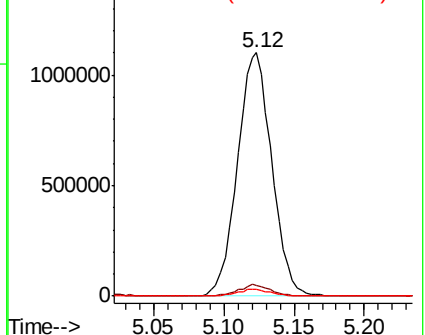
63 100

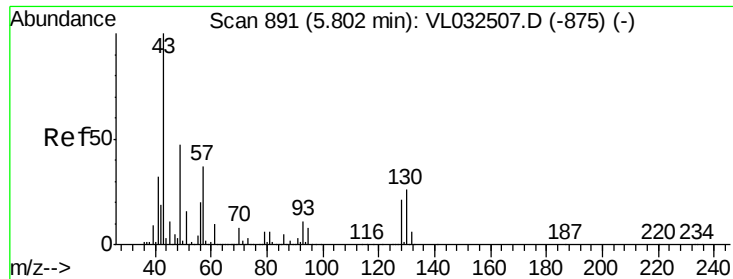
98 4.5 2.1 6.5

100 2.6 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
1500000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





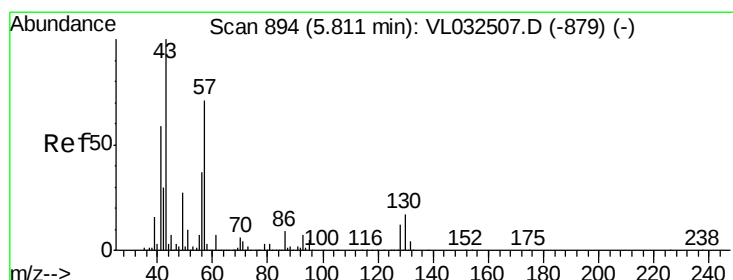
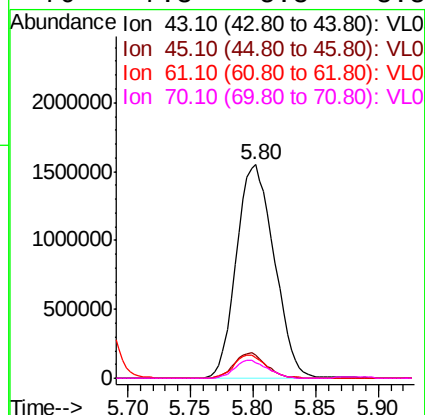
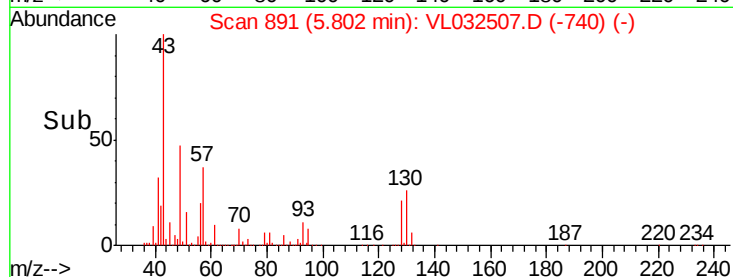
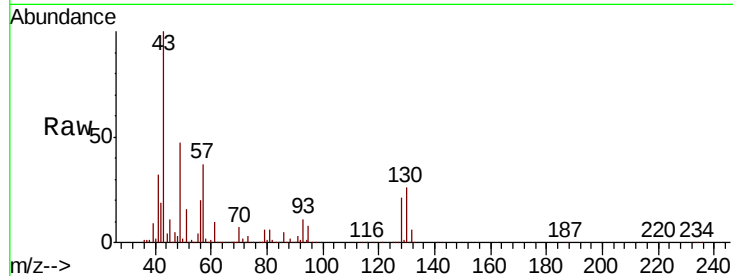
#25
Ethyl Acetate
Concen: 9.932 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	3245231
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.3	7.6	11.4
70	7.3	5.8	8.8

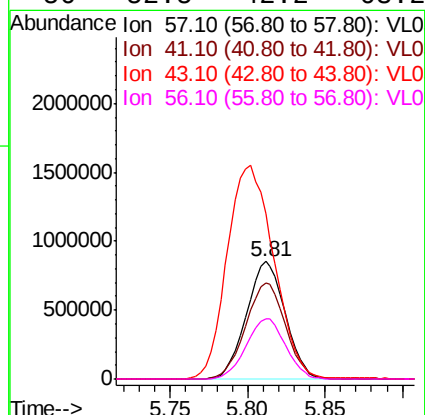
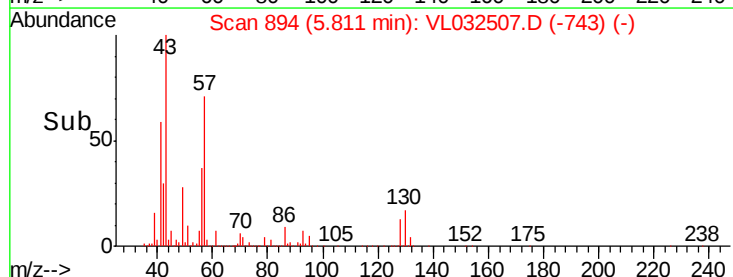
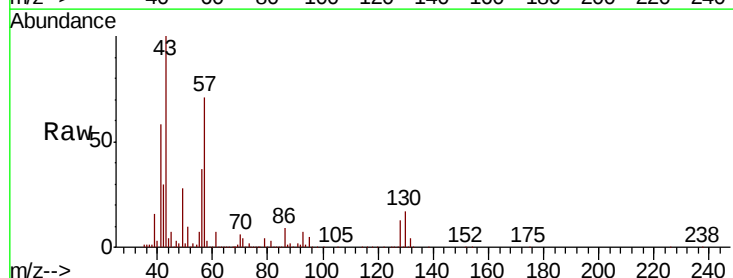
Manual Integrations
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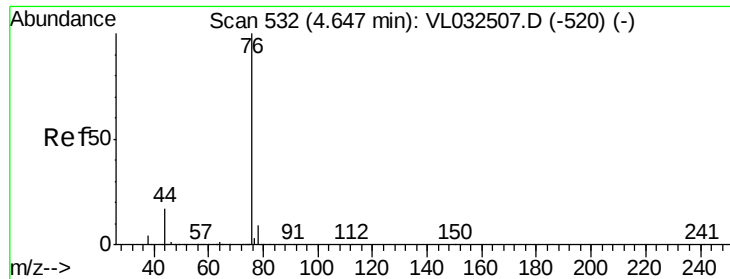
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#26
Hexane
Concen: 10.127 ppbv
RT: 5.81 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	57	Resp	1481661
Ion	Ratio	Lower	Upper
57	100		
41	84.6	69.0	103.4
43	219.9	172.1	258.1
56	52.5	42.2	63.2





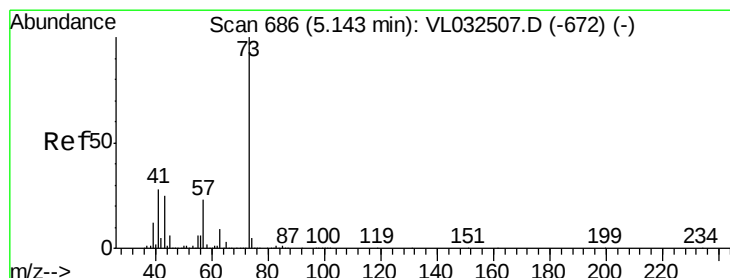
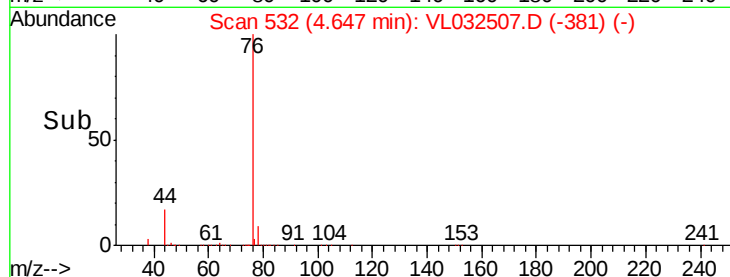
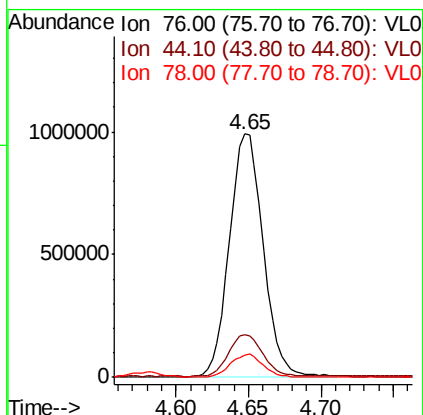
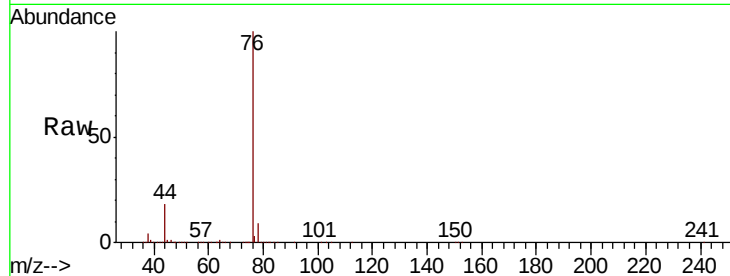
#27
Carbon Disulfide
Concen: 11.907 ppbv
RT: 4.65 min Scan# 532
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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

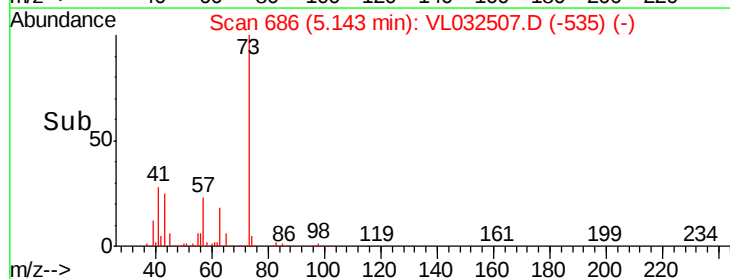
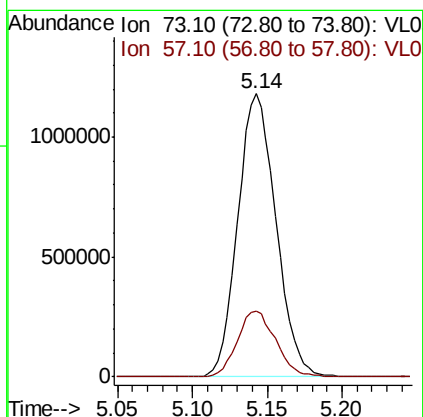
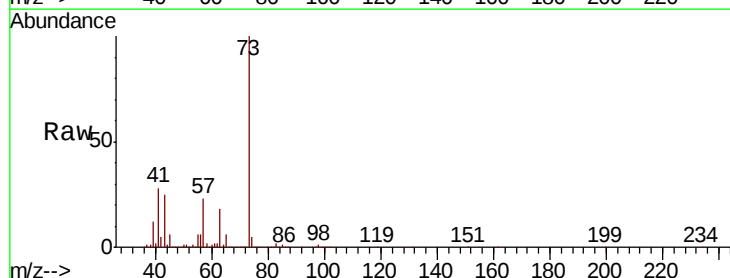
Manual Integrations
APPROVED

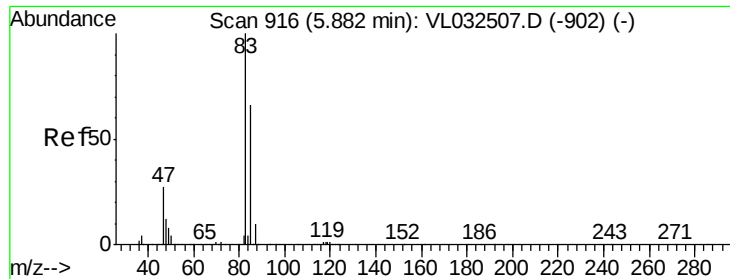
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 11.665 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9





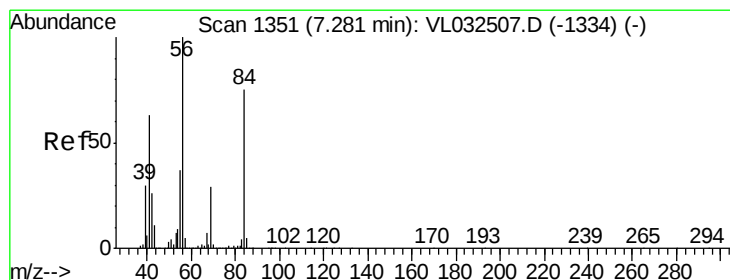
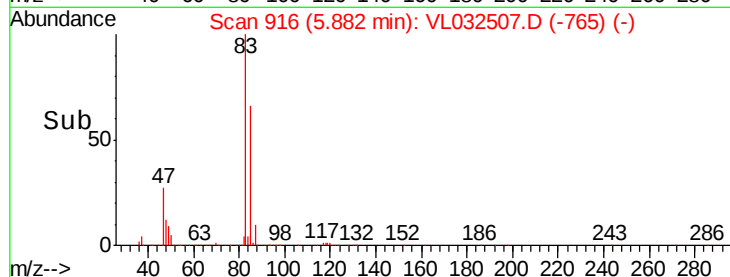
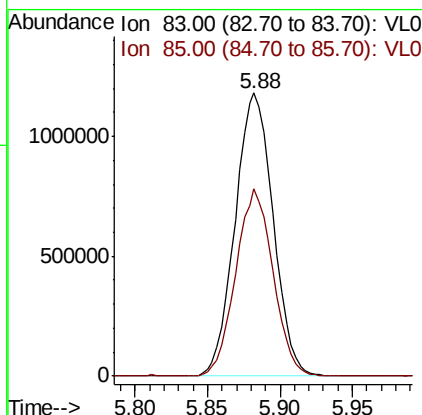
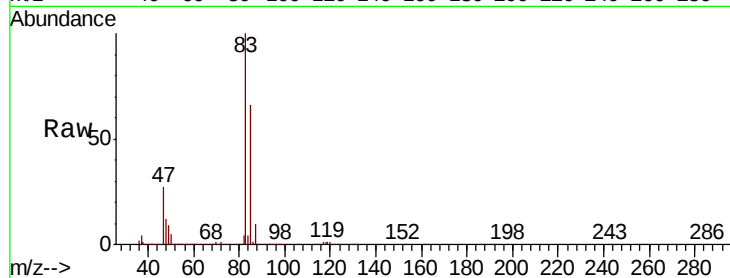
#29
Chloroform
Concen: 9.646 ppbv
RT: 5.88 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2151729
Ion Ratio Lower Upper
83 100
85 65.9 52.5 78.7

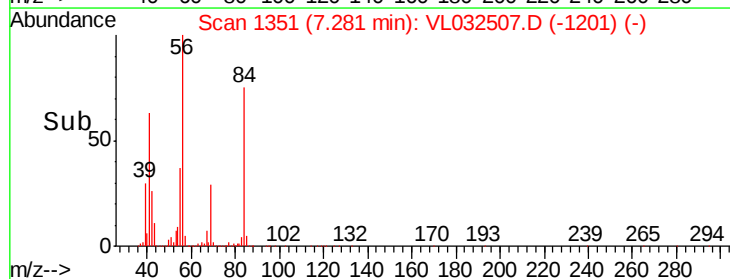
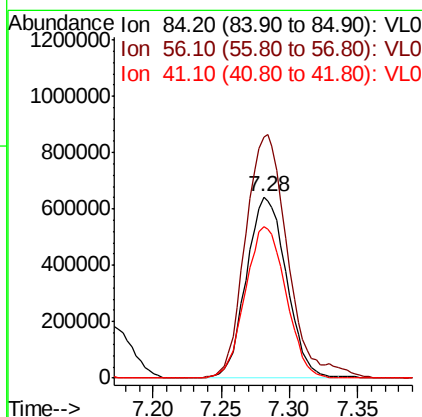
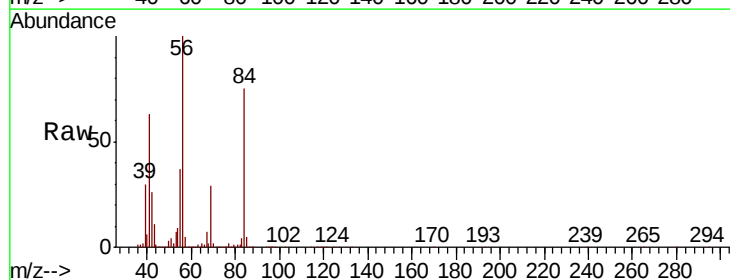
Manual Integrations
APPROVED

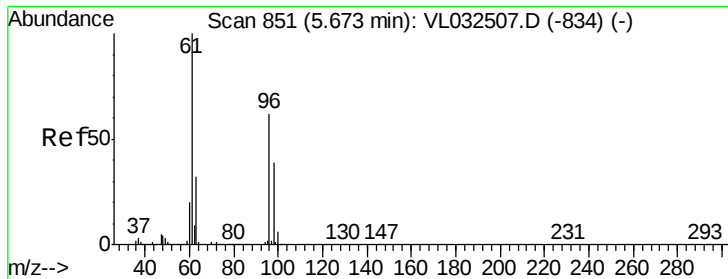
MMDadoda
9/24/2018 11:19:54 AM



#30
Cyclohexane
Concen: 12.236 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 84 Resp: 1310773
Ion Ratio Lower Upper
84 100
56 142.3 113.5 170.3
41 85.1 68.1 102.1





#31

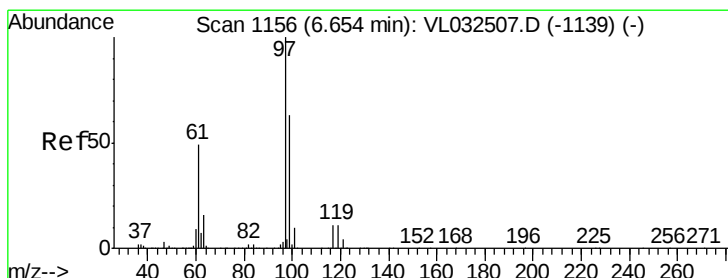
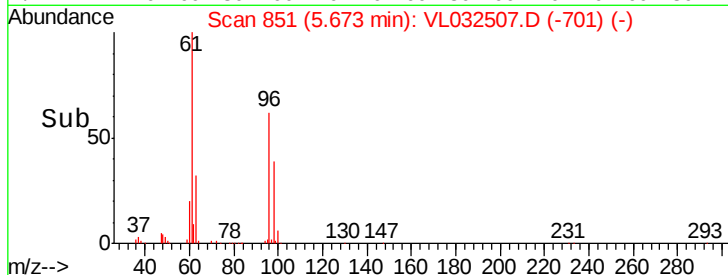
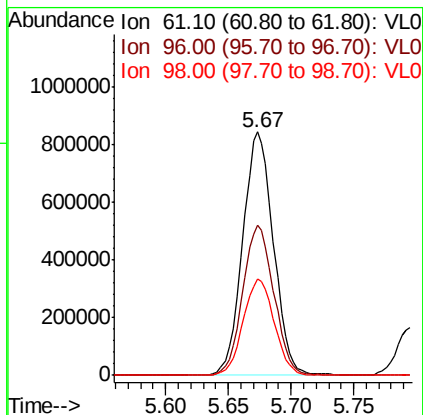
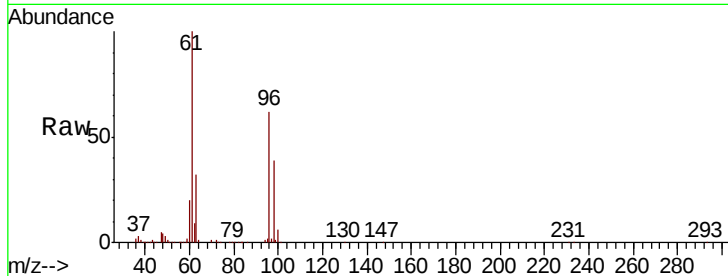
cis-1,2-Dichloroethene
 Concen: 10.853 ppbv
 RT: 5.67 min Scan# 851
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.7	49.2	73.8
98	39.4	30.7	46.1

Manual Integrations
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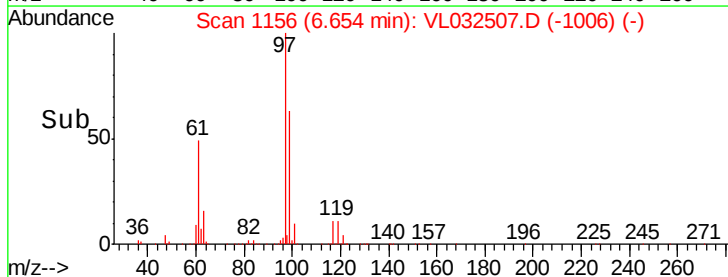
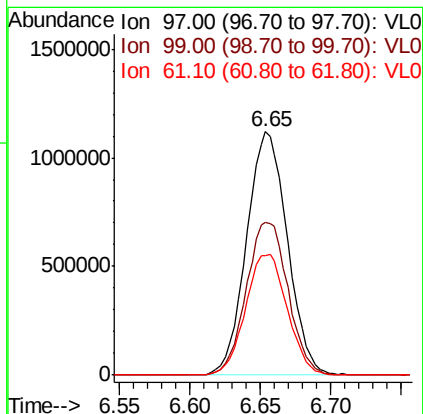
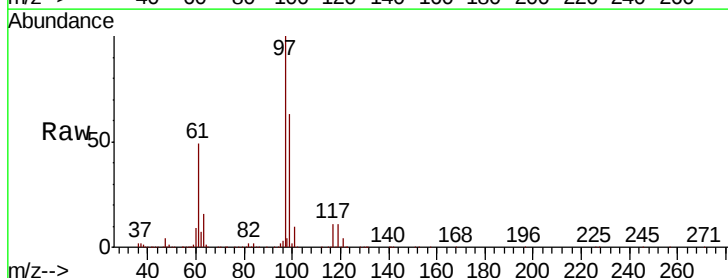
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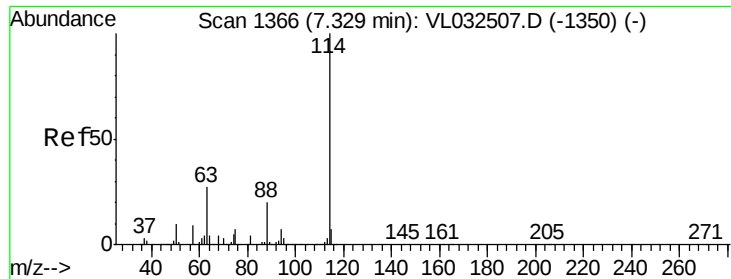


#32

1,1,1-Trichloroethane
 Concen: 10.910 ppbv
 RT: 6.65 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	50.8	42.5	63.7





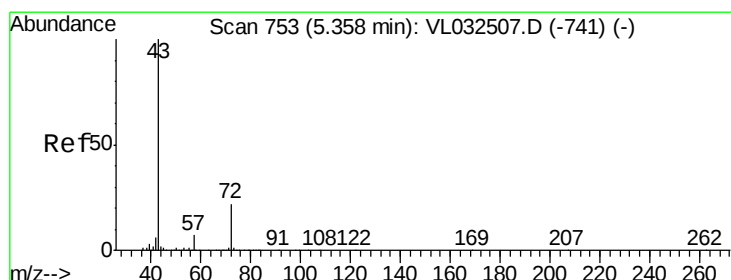
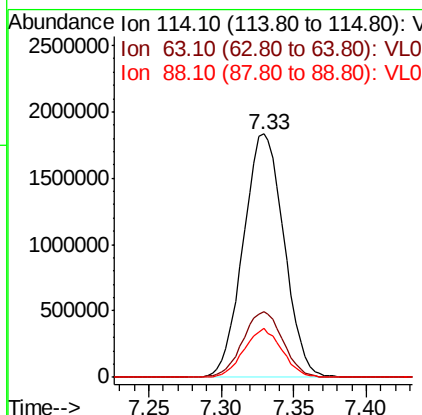
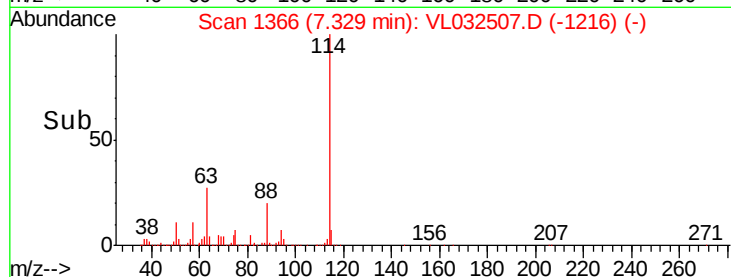
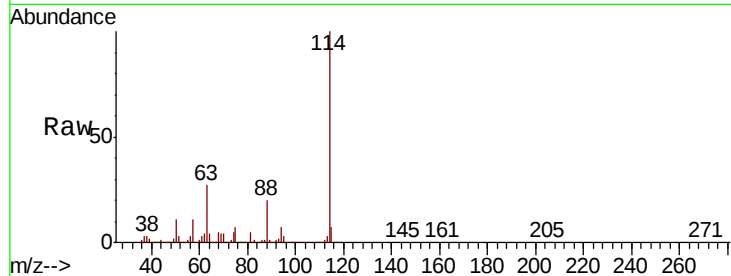
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.8	15.0	22.4

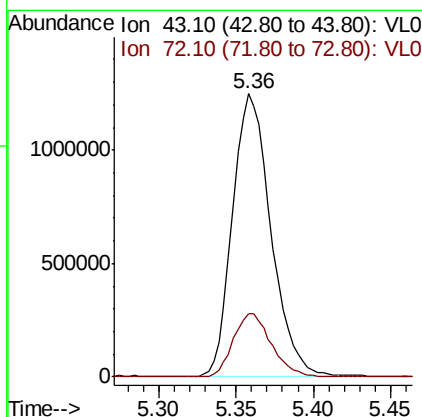
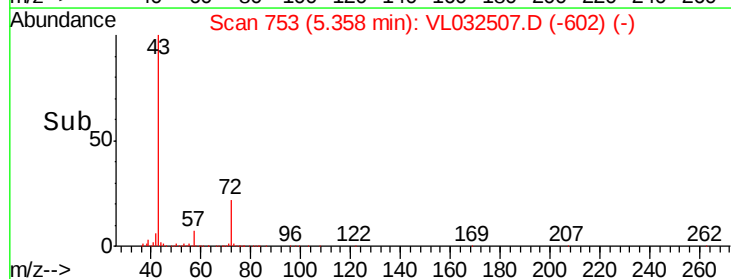
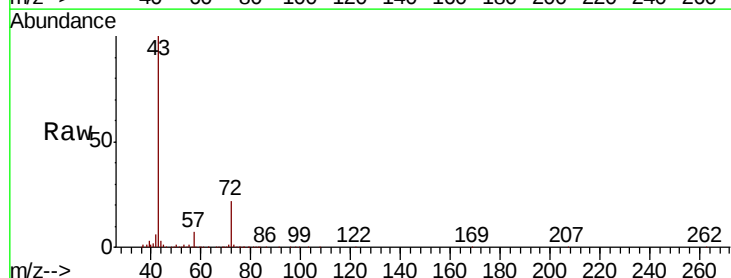
Manual Integrations
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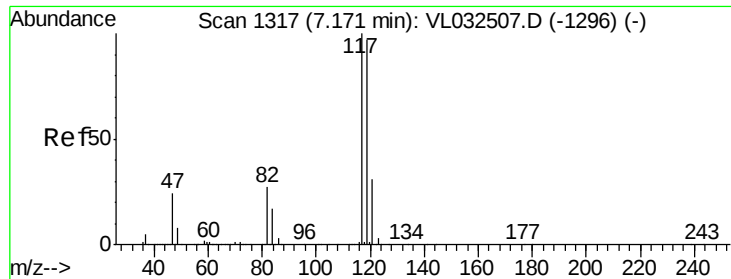
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#34
 2-Butanone
 Concen: 9.024 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.181 ppbv

RT: 7.17 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

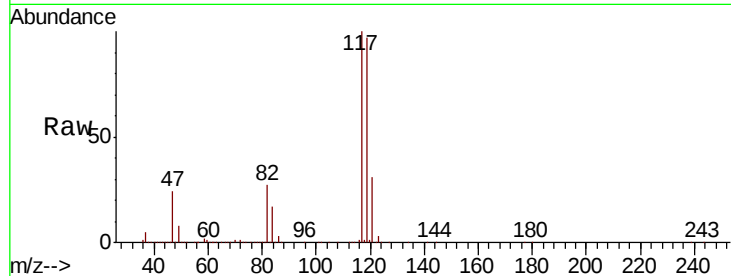
ClientSampleId :

VSTDCCC010

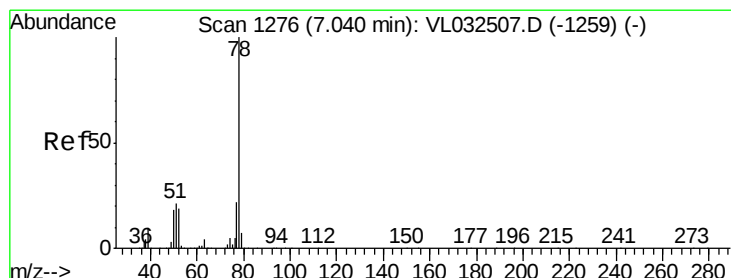
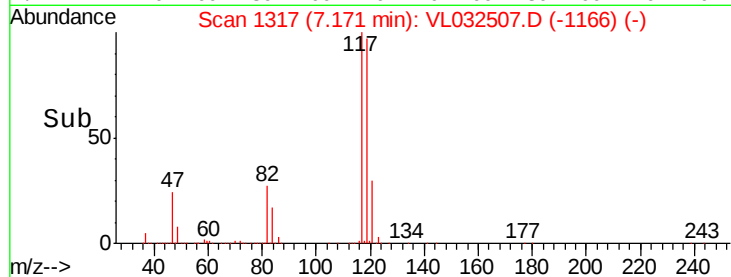
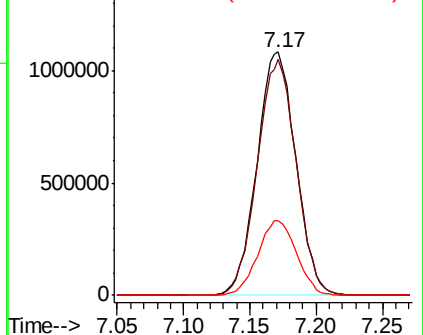
Tot Ion:	117	Resp:	2211041
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	30.5	24.6	36.8

Manual Integrations
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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: 10.433 ppbv

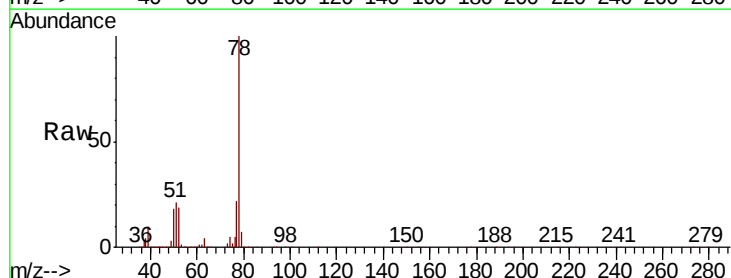
RT: 7.04 min Scan# 1276

Delta R.T. -0.02 min

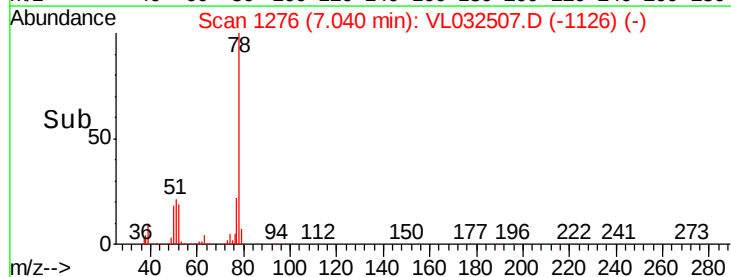
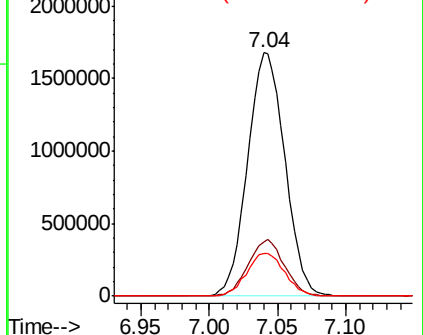
Lab File: VL032507.D

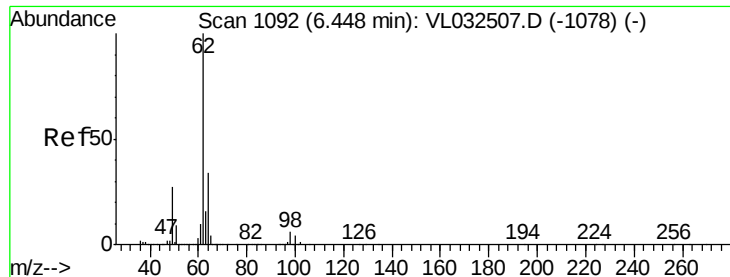
Acq: 20 Sep 2018 13:32

Tgt Ion:	78	Resp:	3181171
Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
50	17.6	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





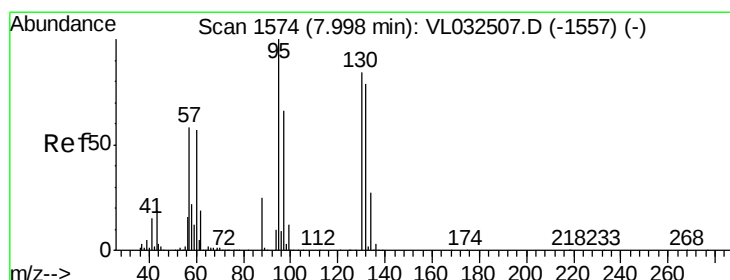
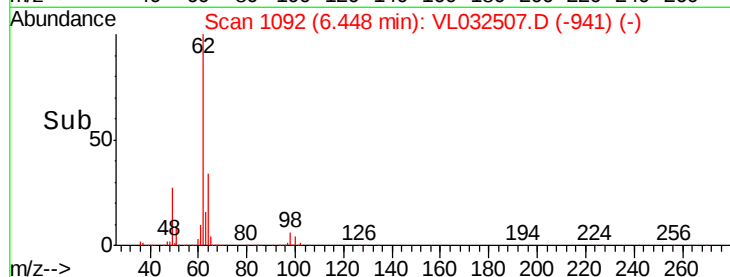
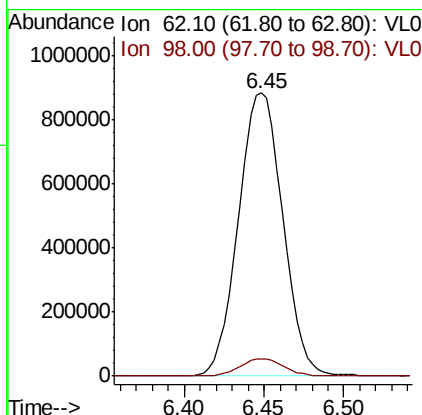
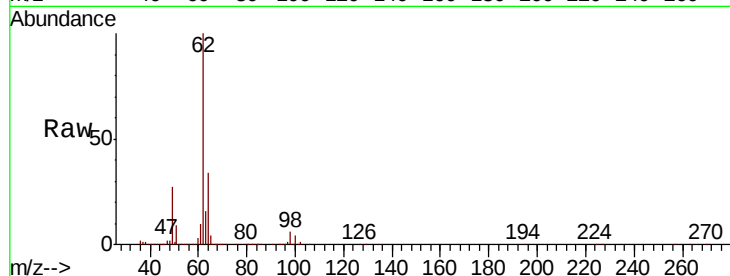
#37
 1,2-Dichloroethane
 Concen: 8.951 ppbv
 RT: 6.45 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1672610
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6

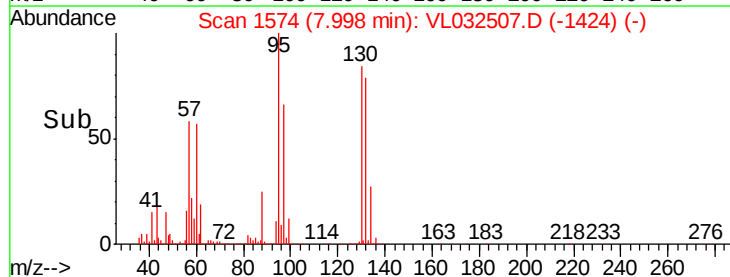
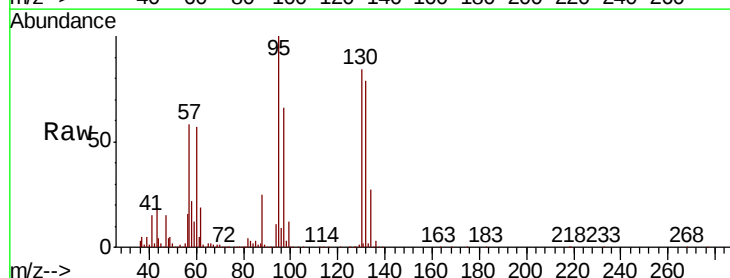
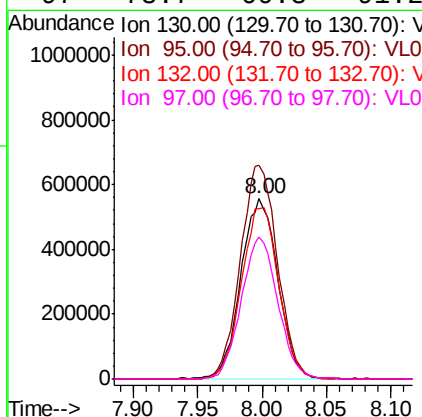
Manual Integrations
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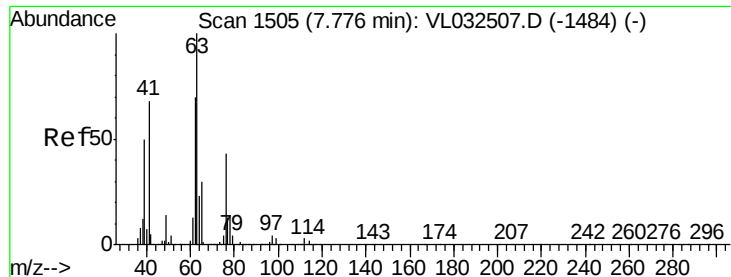
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#38
 Trichloroethene
 Concen: 9.568 ppbv
 RT: 8.00 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion: 130 Resp: 1108259
 Ion Ratio Lower Upper
 130 100
 95 118.8 94.2 141.4
 132 94.4 76.2 114.4
 97 78.7 60.8 91.2





#39

1,2-Dichloropropane

Concen: 10.094 ppbv

RT: 7.78 min Scan# 1505

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1316838

Ion Ratio Lower Upper

63 100

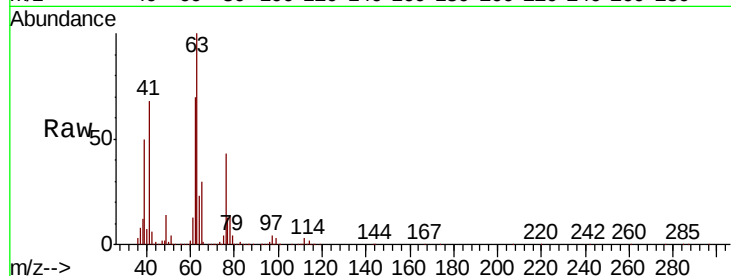
41 68.4 55.4 83.0

62 69.6 55.4 83.0

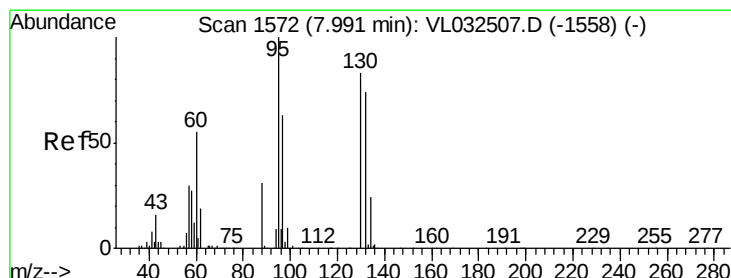
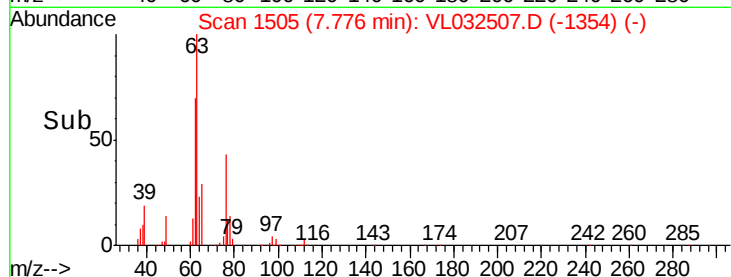
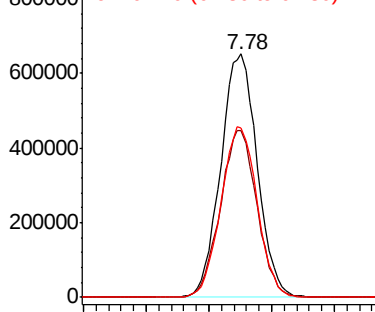
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.424 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Tgt Ion: 88 Resp: 447141

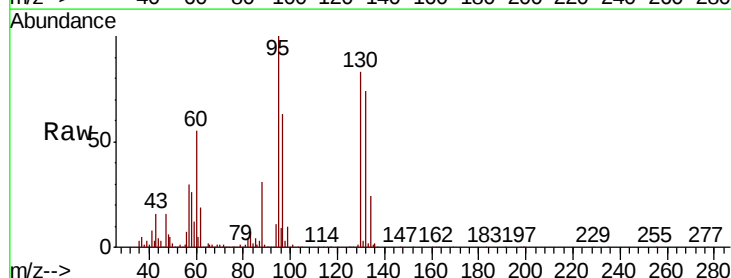
Ion Ratio Lower Upper

88 100

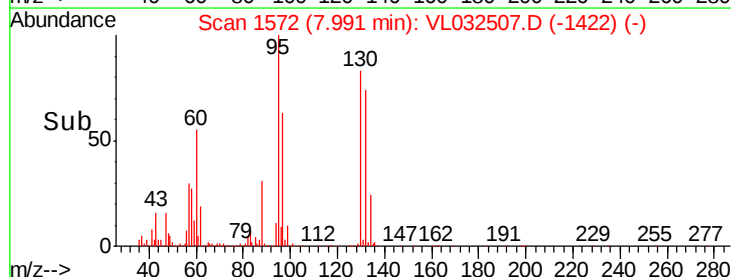
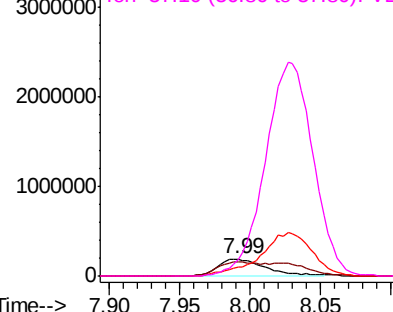
58 140.8 119.7 179.5

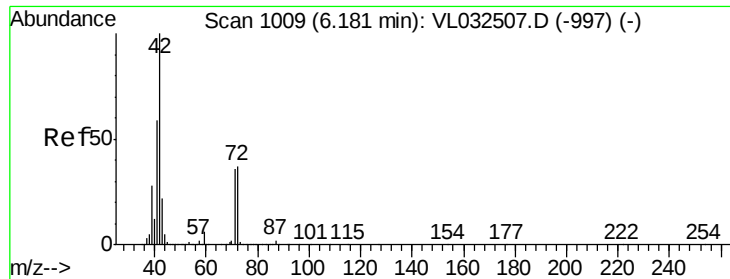
43 276.4 253.0 379.4

57 1260.8 1156.9 1735.3



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





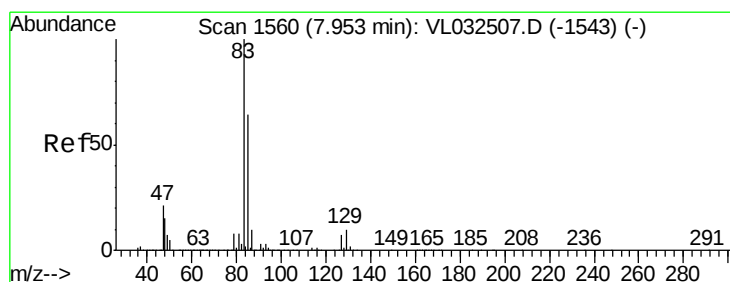
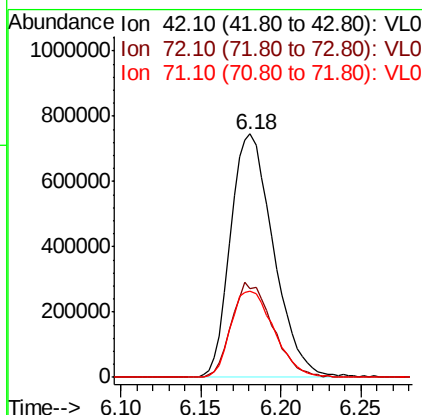
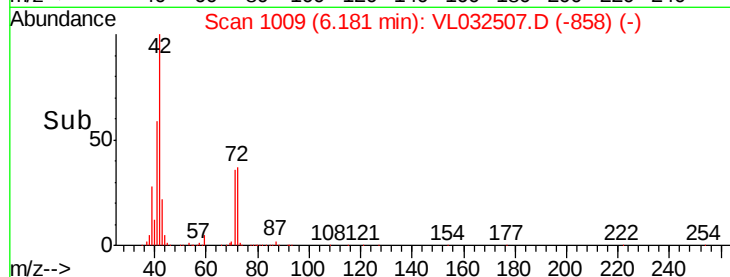
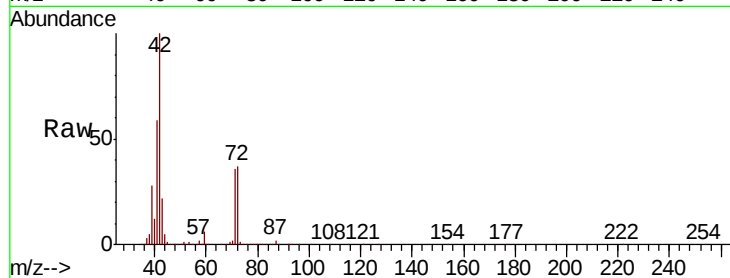
#41
Tetrahydrofuran
Concen: 10.504 ppbv
RT: 6.18 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.5	44.3
71	36.1	28.3	42.5

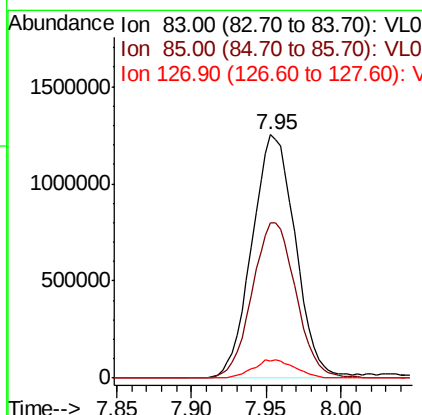
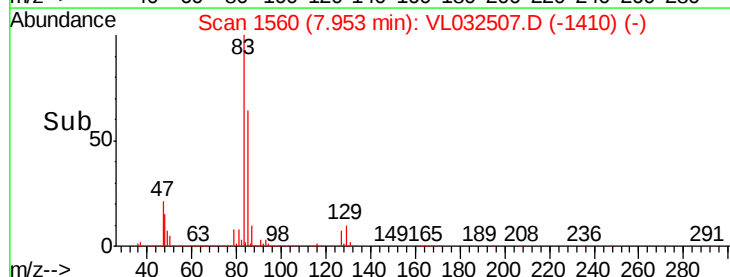
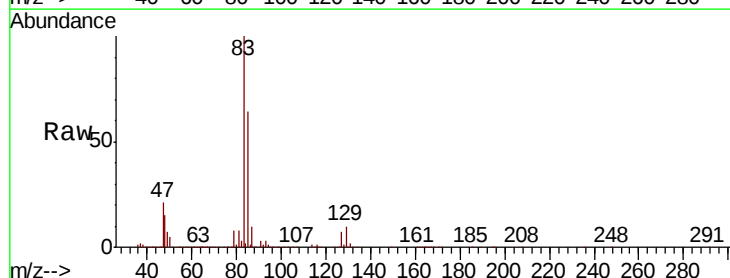
Manual Integrations
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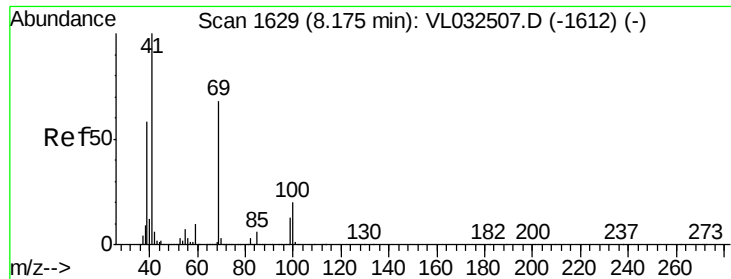
MMDadoda
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#42
Bromodichloromethane
Concen: 9.779 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	7.2	5.8	8.8





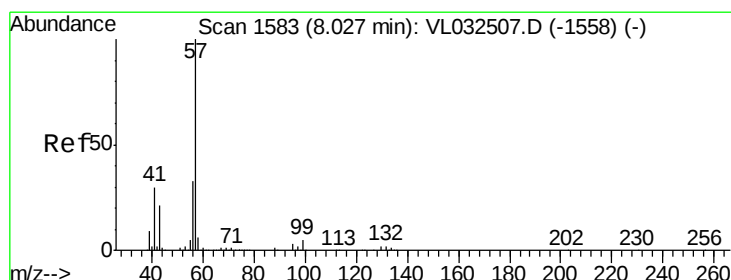
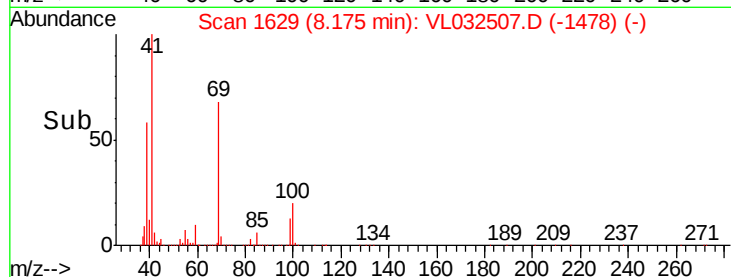
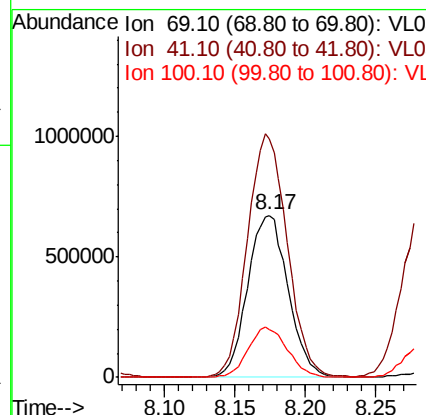
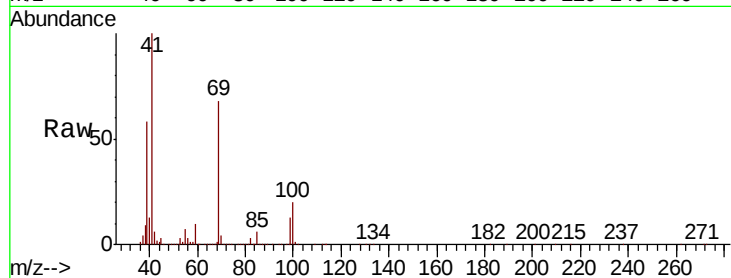
#43
Methvl Methacrilate
Concen: 10.414 ppbv
RT: 8.17 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1347153
Ion Ratio Lower Upper
69 100
41 147.8 117.1 175.7
100 30.2 23.4 35.2

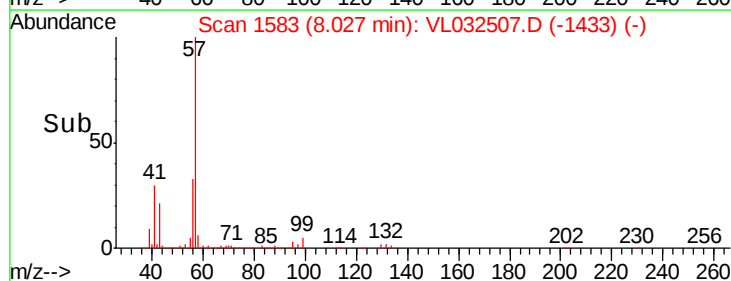
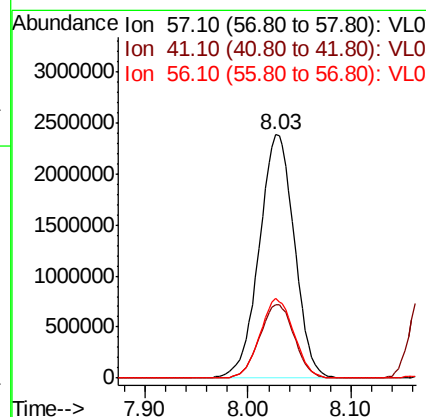
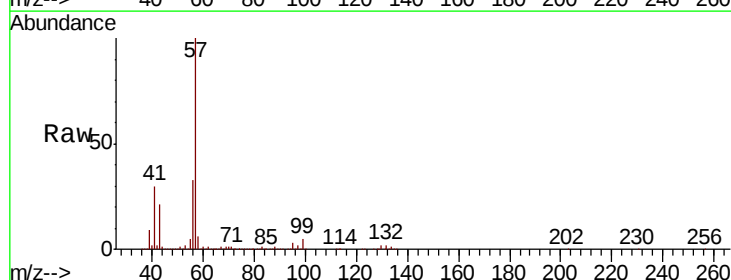
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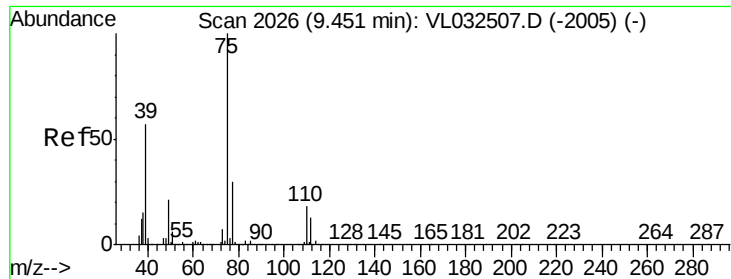
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.554 ppbv
RT: 8.03 min Scan# 1583
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 57 Resp: 5632217
Ion Ratio Lower Upper
57 100
41 29.8 24.4 36.6
56 31.7 25.7 38.5





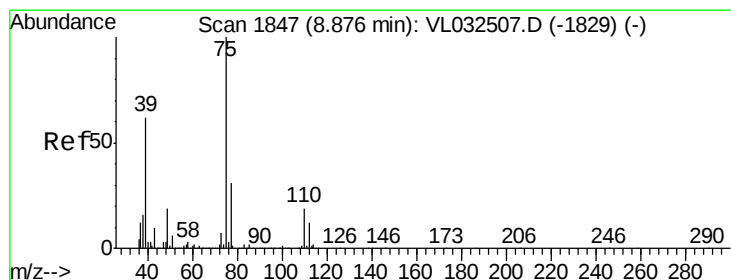
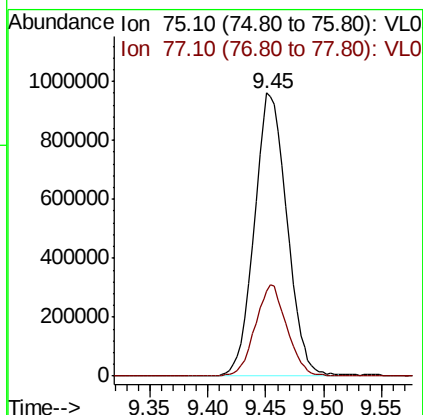
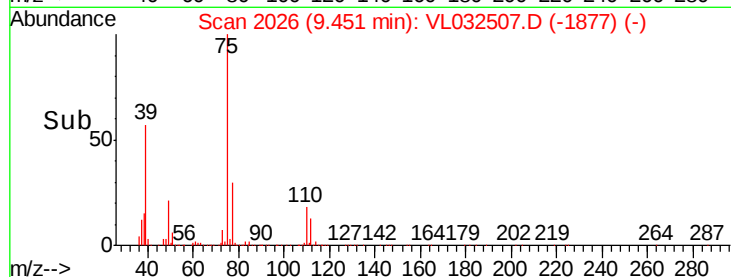
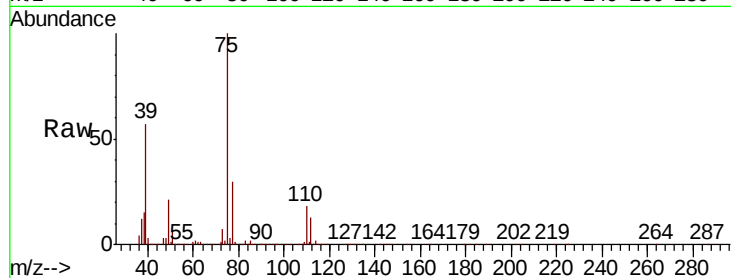
#45
t-1,3-Dichloropropene
Concen: 13.628 ppbv
RT: 9.45 min Scan# 2026
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1886467
Ion Ratio Lower Upper
75 100
77 30.2 26.2 39.2

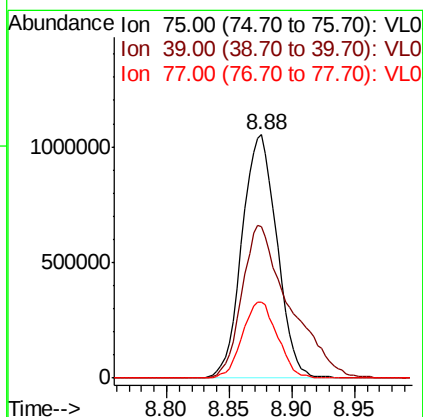
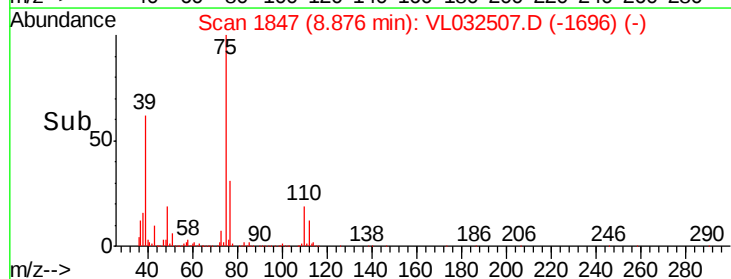
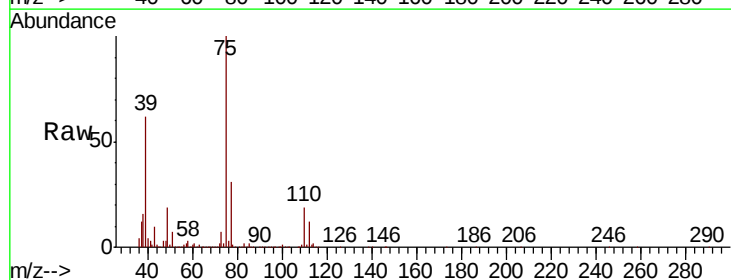
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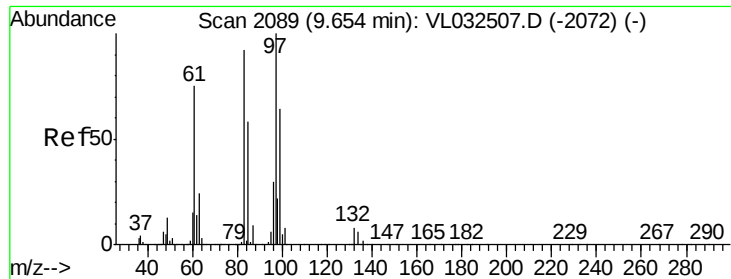
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.535 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 75 Resp: 2040377
Ion Ratio Lower Upper
75 100
39 62.0 48.9 73.3
77 31.0 25.4 38.0





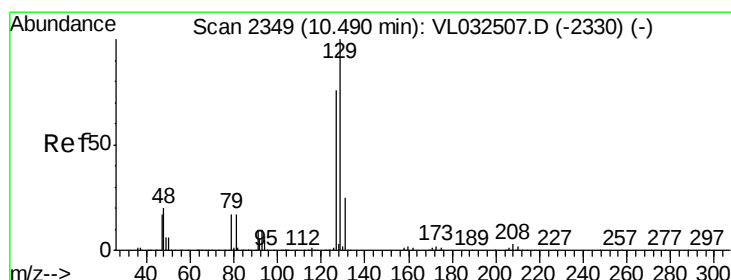
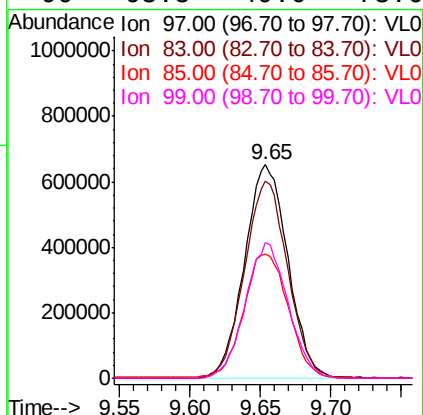
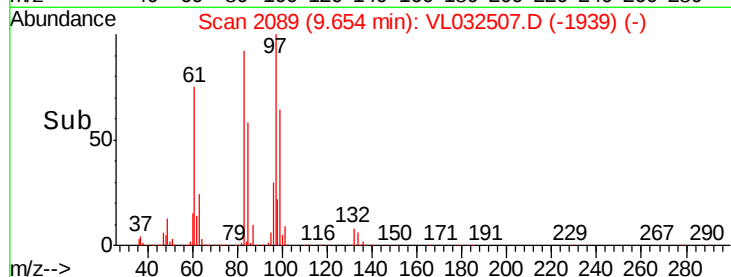
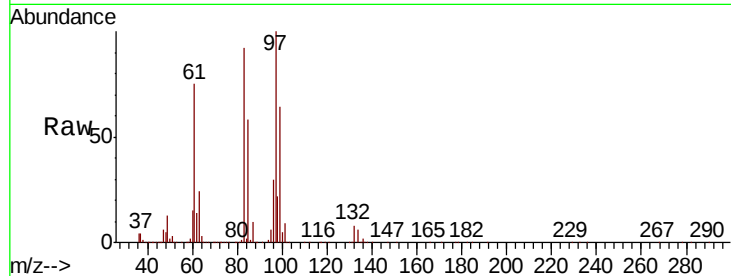
#47
 1,1,2-Trichloroethane
 Concen: 10.097 ppbv
 RT: 9.65 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.2	75.0	112.4
85	57.9	47.5	71.3
99	63.5	49.0	73.6

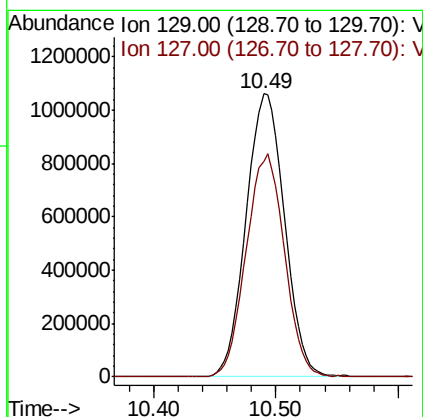
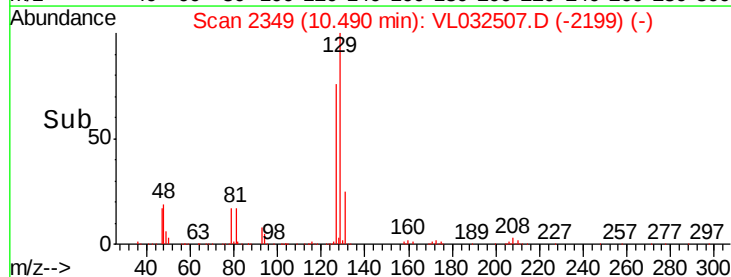
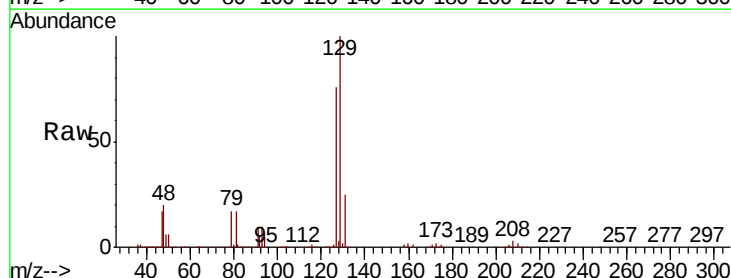
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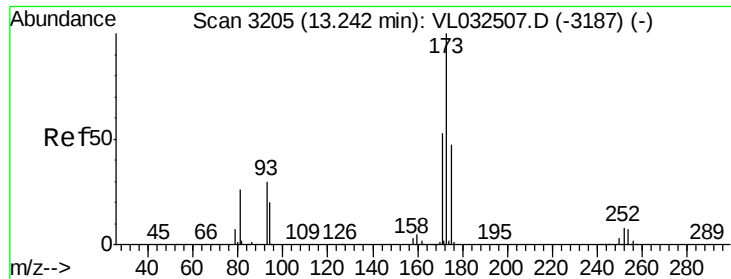
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#48
 Dibromochloromethane
 Concen: 12.034 ppbv
 RT: 10.49 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3





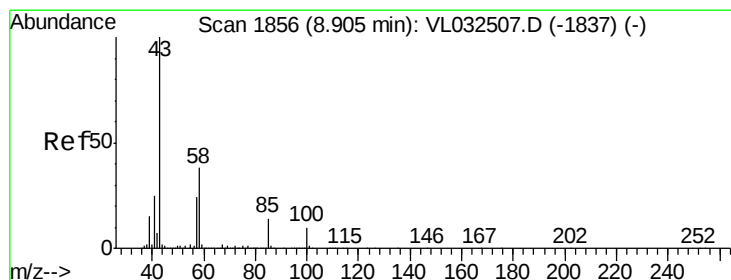
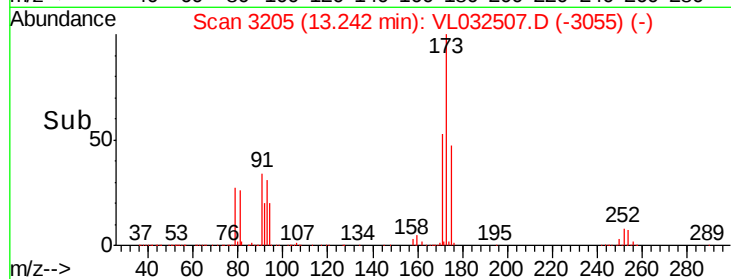
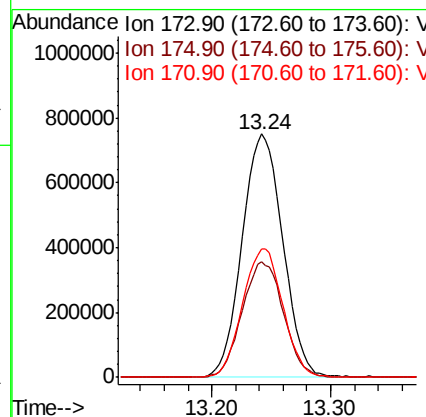
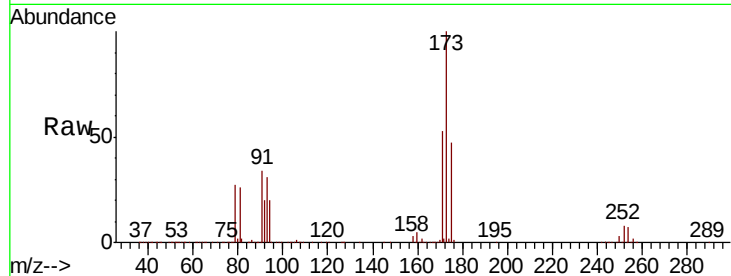
#49
Bromoform
Concen: 10.630 ppbv
RT: 13.24 min Scan# 3205
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1774927
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
171 52.7 41.6 62.4

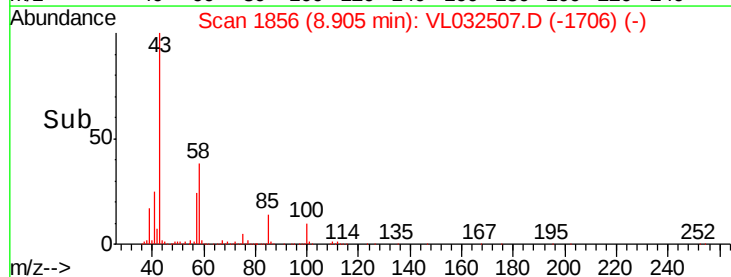
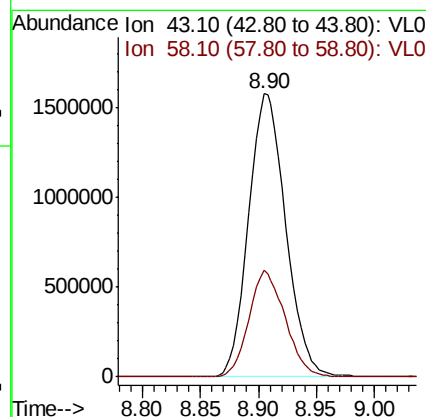
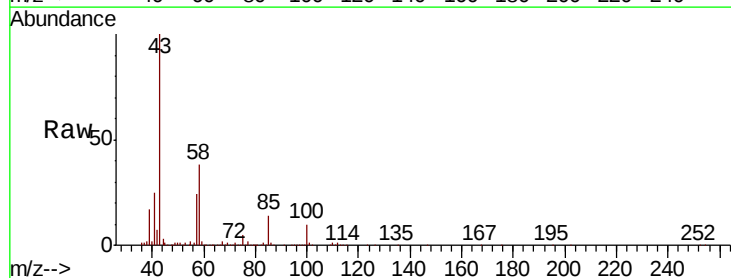
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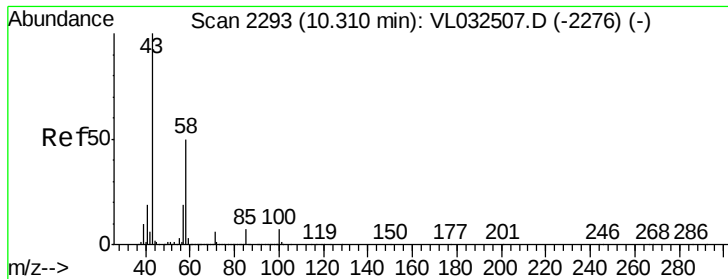
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#50
4-Methyl-2-Pentanone
Concen: 9.792 ppbv
RT: 8.90 min Scan# 1856
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 43 Resp: 3510673
Ion Ratio Lower Upper
43 100
58 36.8 29.0 43.4





#51

2-Hexanone

Concen: 13.456 ppbv

RT: 10.31 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 3107418

Ion Ratio Lower Upper

43 100

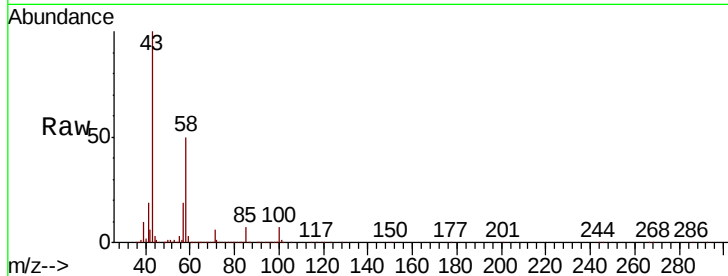
58 49.8 39.2 58.8

98 0.4 0.4 0.6#

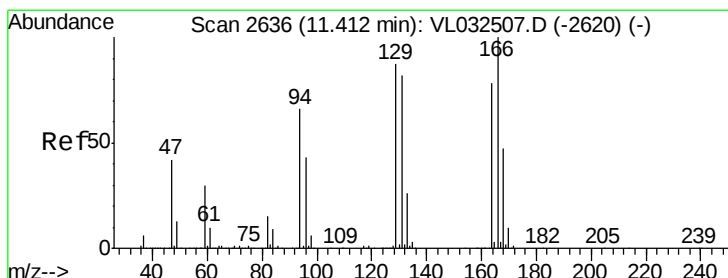
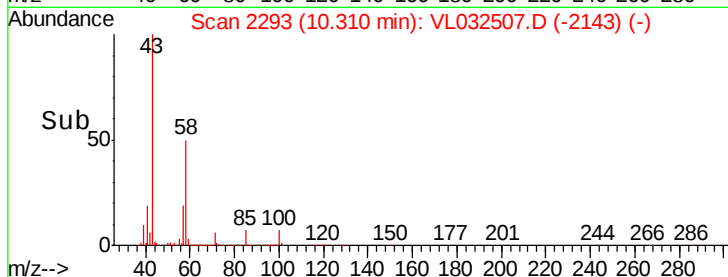
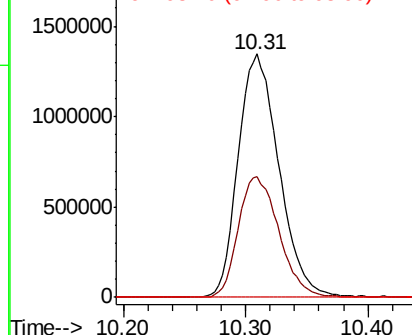
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.609 ppbv

RT: 11.41 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Tgt Ion: 164 Resp: 1003041

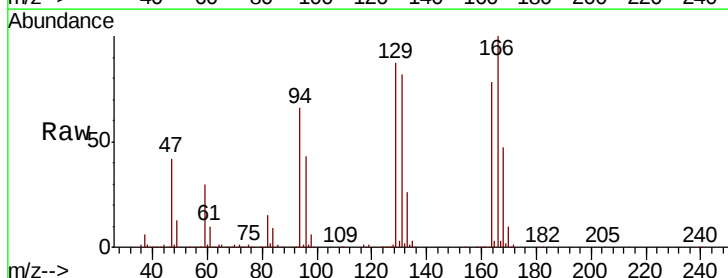
Ion Ratio Lower Upper

164 100

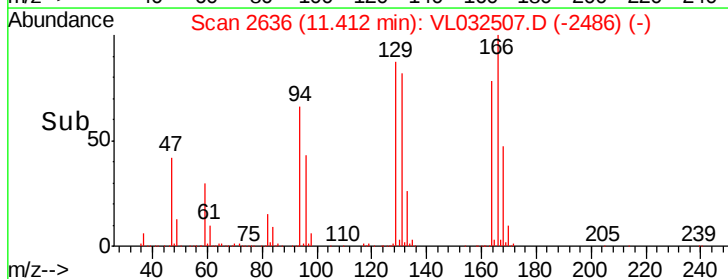
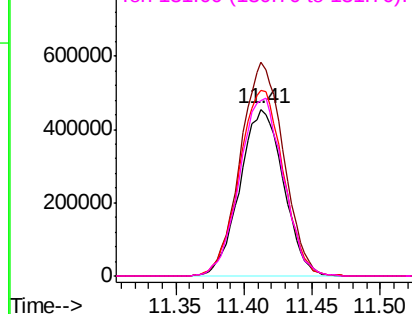
166 128.1 100.6 150.8

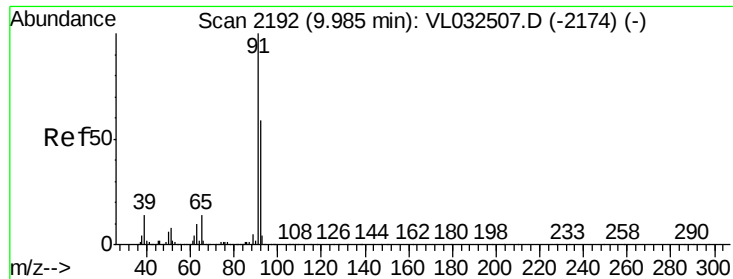
129 111.1 89.9 134.9

131 105.3 85.9 128.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.499 ppbv

RT: 9.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3983796

Ion Ratio Lower Upper

91 100

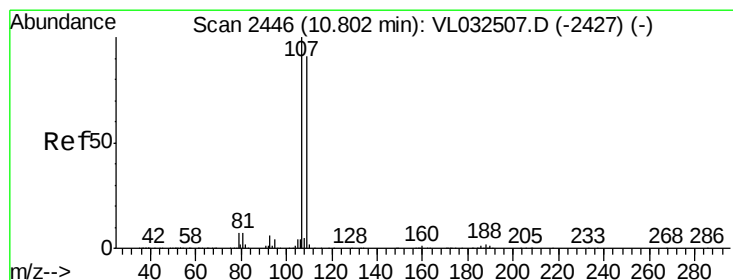
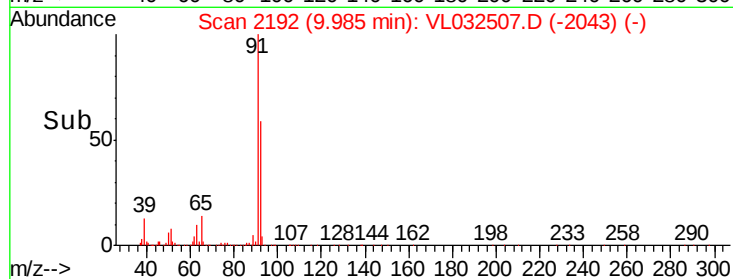
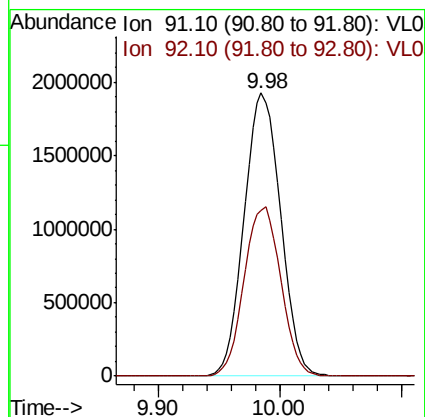
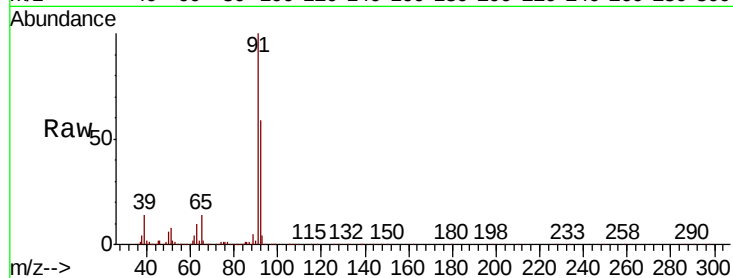
92 60.2 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 11.387 ppbv

RT: 10.80 min Scan# 2446

Delta R.T. -0.01 min

Lab File: VL032507.D

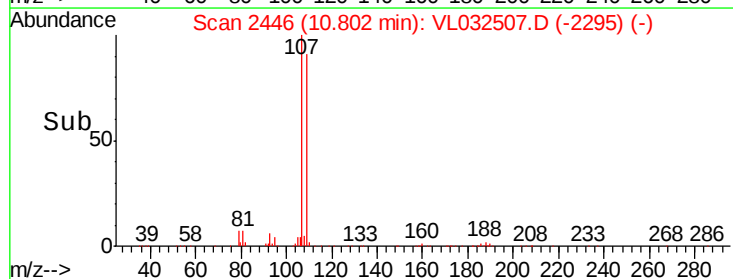
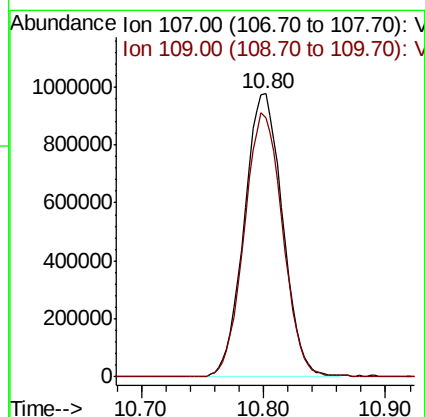
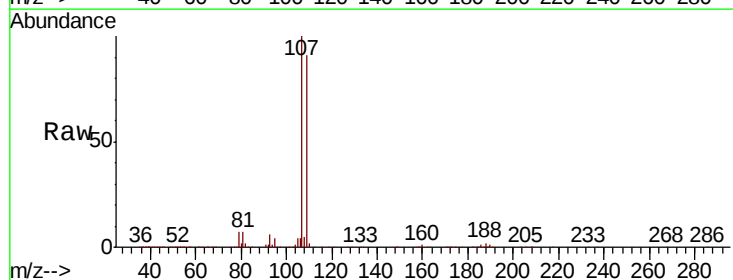
Acq: 20 Sep 2018 13:32

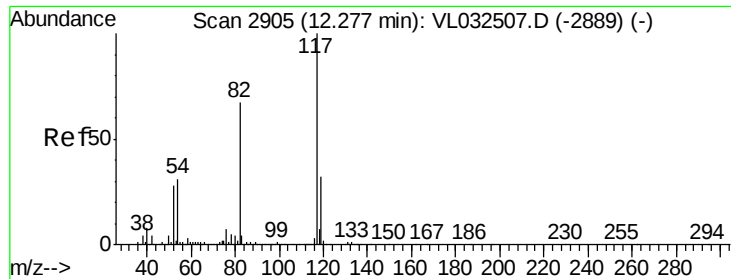
Tgt Ion: 107 Resp: 2120678

Ion Ratio Lower Upper

107 100

109 91.4 73.9 110.9





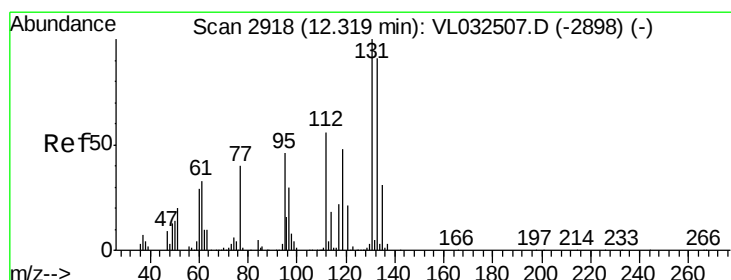
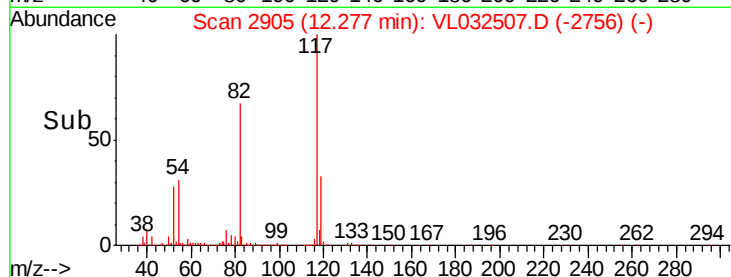
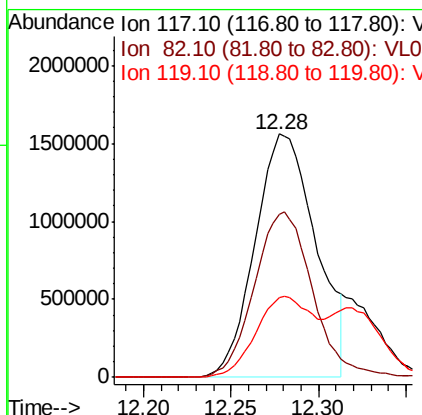
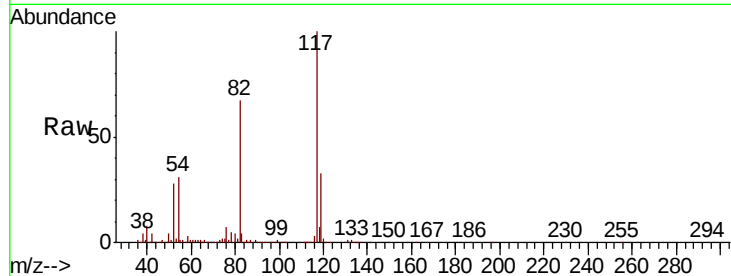
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.28 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	53.0	79.6
119	30.3	45.9	68.9#

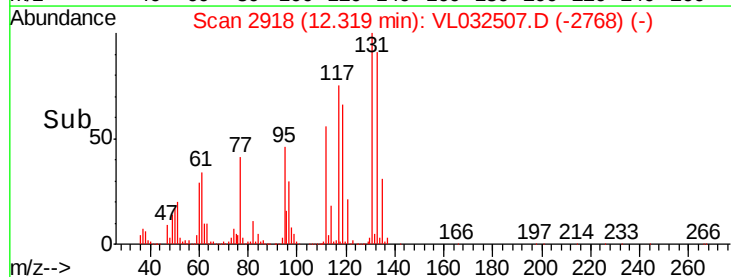
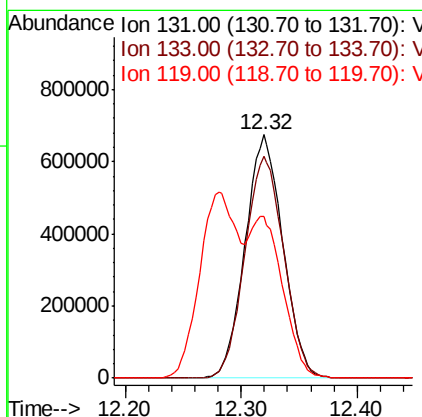
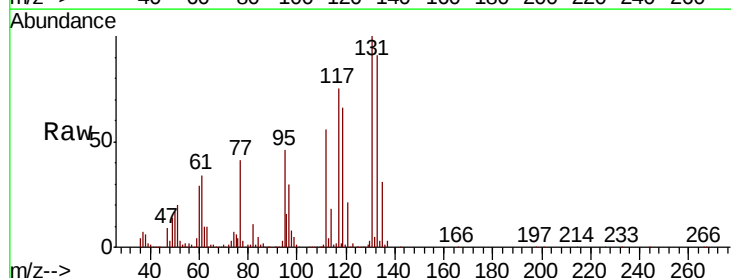
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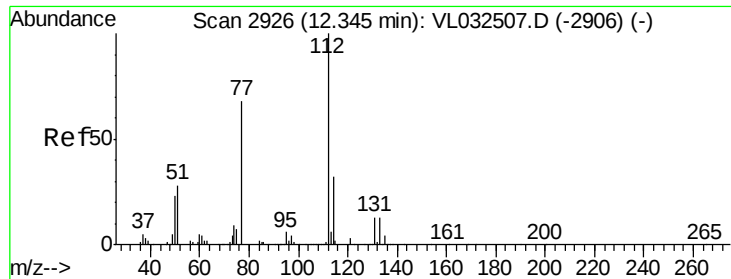
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.921 ppbv
RT: 12.32 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	77.0	115.4
119	63.9	114.2	171.2#





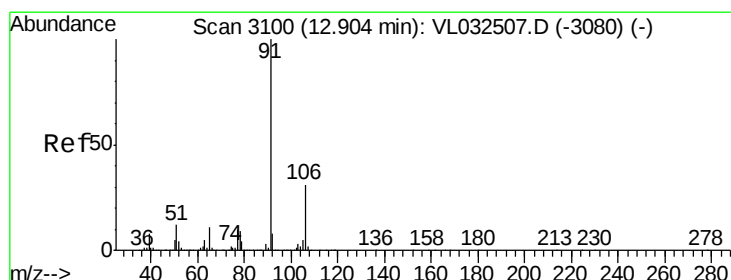
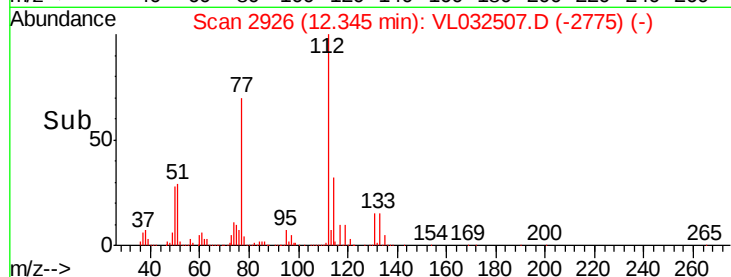
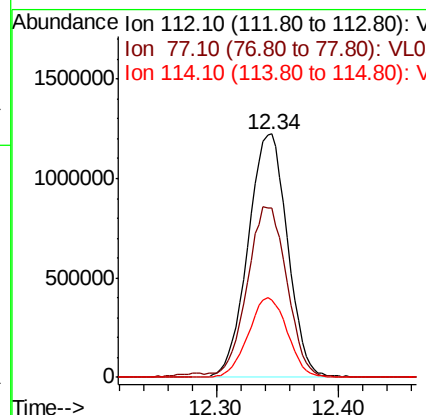
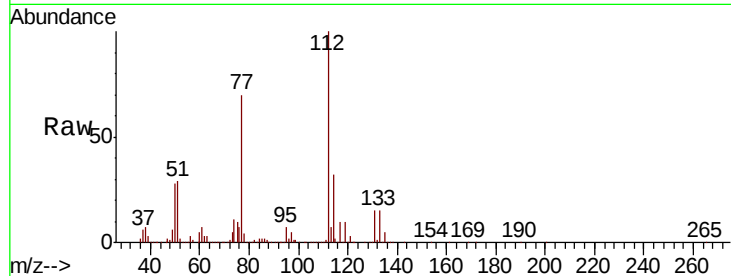
#57
Chlorobenzene
Concen: 9.004 ppbv
RT: 12.34 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.3	56.1	84.1
114	31.8	27.8	34.0

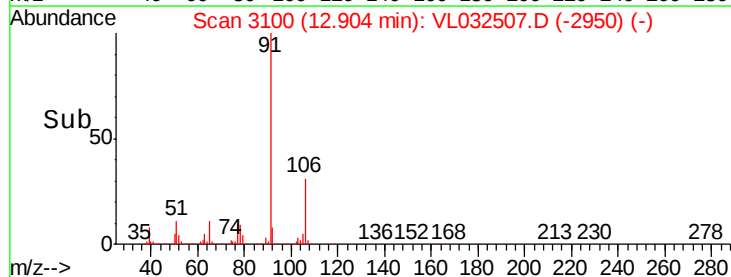
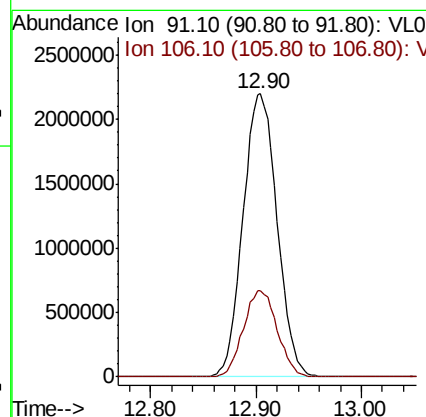
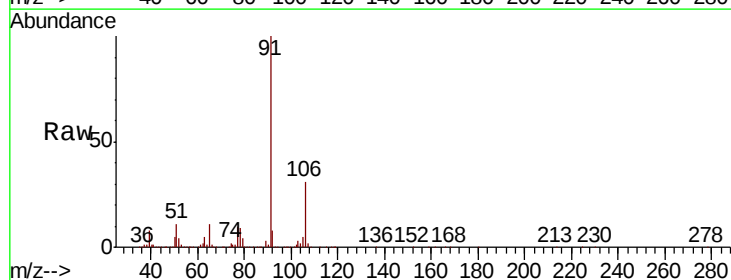
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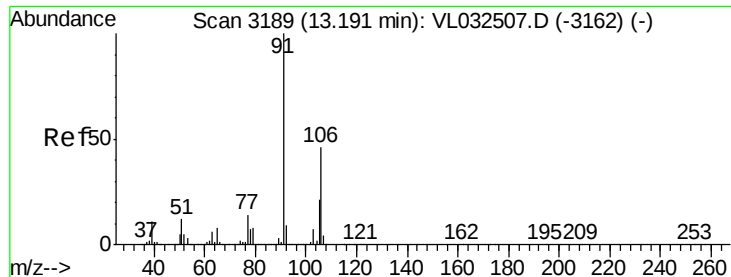
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#58
Ethyl Benzene
Concen: 10.888 ppbv
RT: 12.90 min Scan# 3100
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.8	37.2





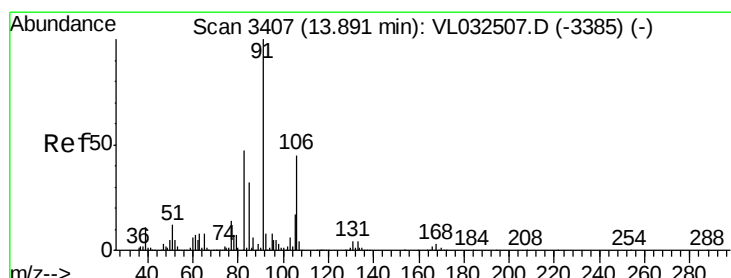
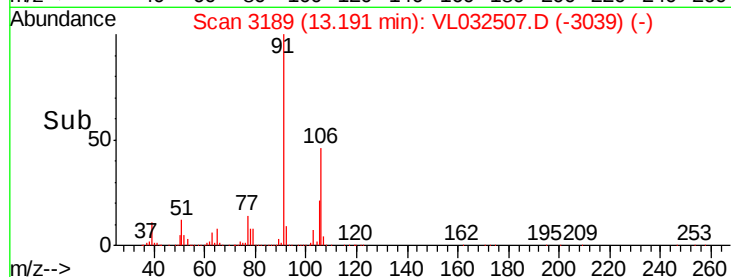
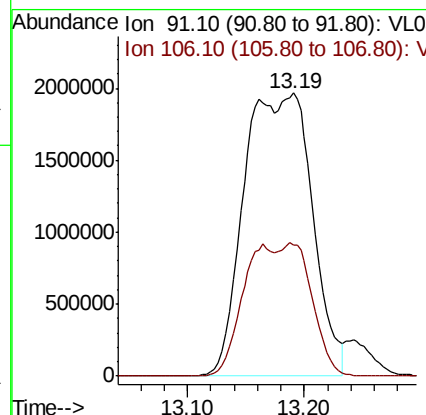
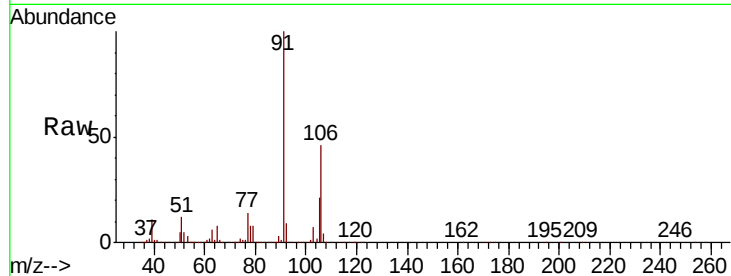
#59
m/p-Xylene
Concen: 19.738 ppbv m
RT: 13.19 min Scan# 3189
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7977255
Ion Ratio Lower Upper
91 100
106 45.9 36.6 55.0

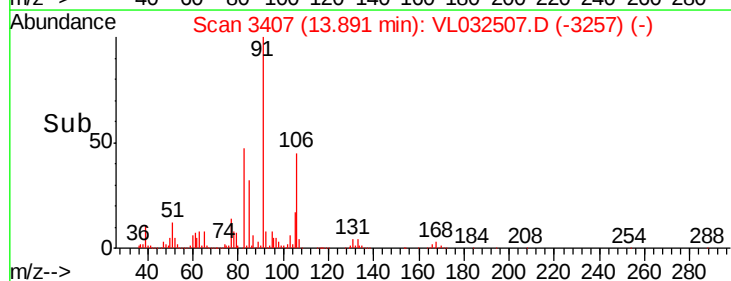
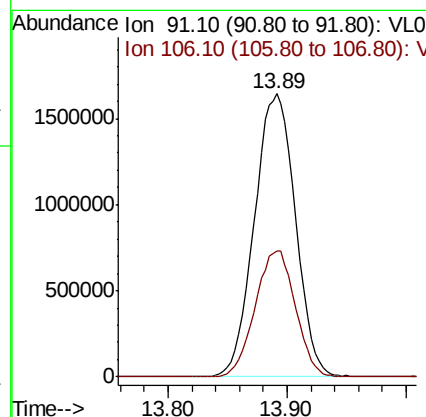
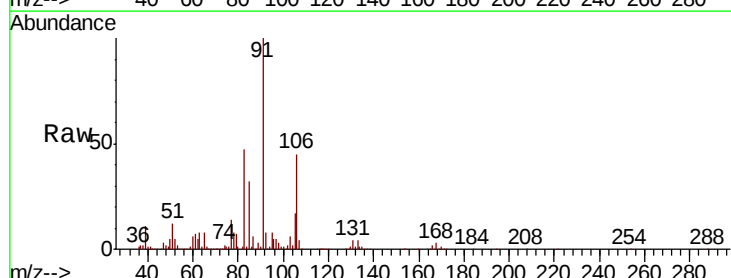
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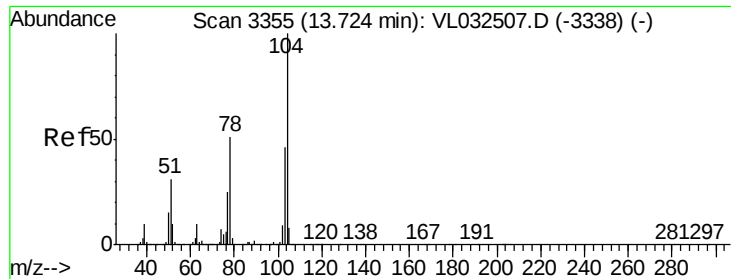
MMDadoda
9/24/2018 11:19:54 AM



#60
o-Xylene
Concen: 9.835 ppbv
RT: 13.89 min Scan# 3407
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion: 91 Resp: 3904409
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.7





#61

Stvrene

Concen: 11.648 ppbv

RT: 13.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2993590

Ion Ratio Lower Upper

104 100

78 52.5 41.8 62.8

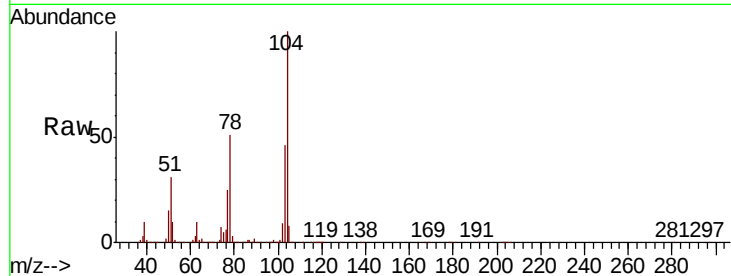
103 46.9 38.0 57.0

Manual Integrations

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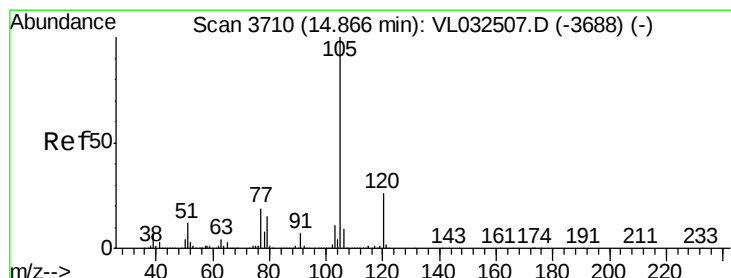
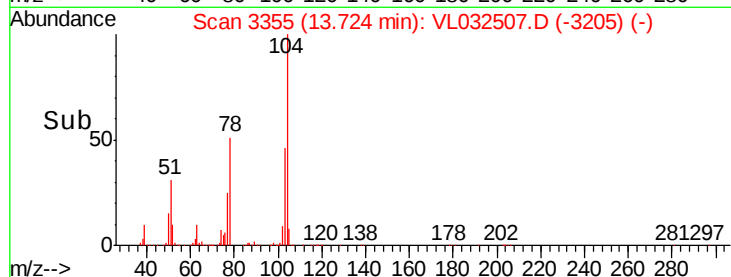
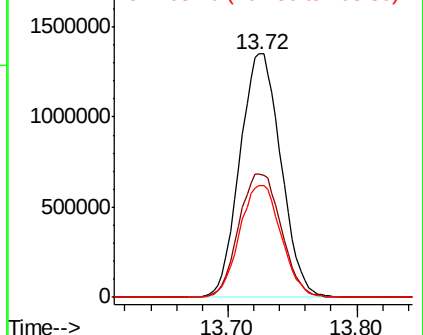
9/24/2018 11:19:54 AM



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: 9.983 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032507.D

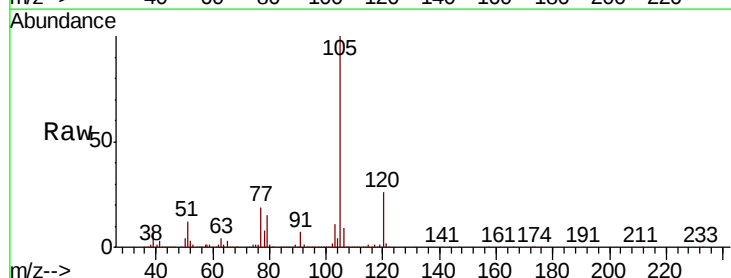
Acq: 20 Sep 2018 13:32

Tgt Ion:105 Resp: 5571607

Ion Ratio Lower Upper

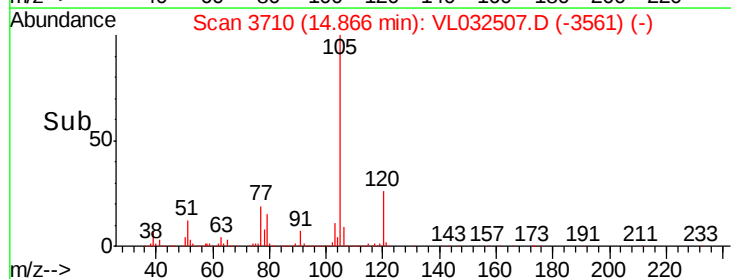
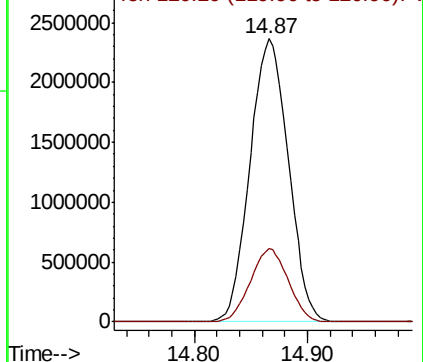
105 100

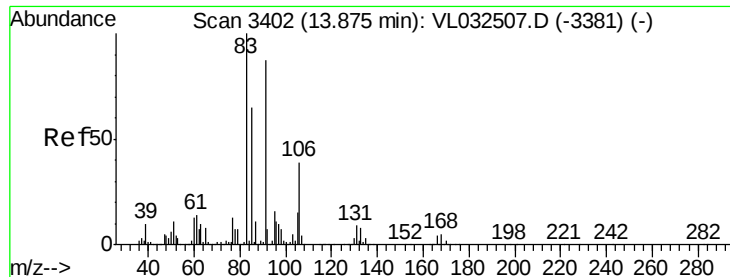
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





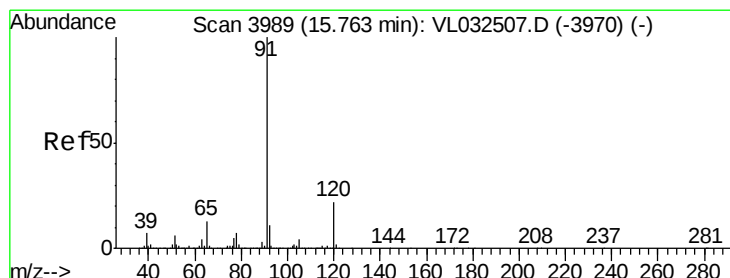
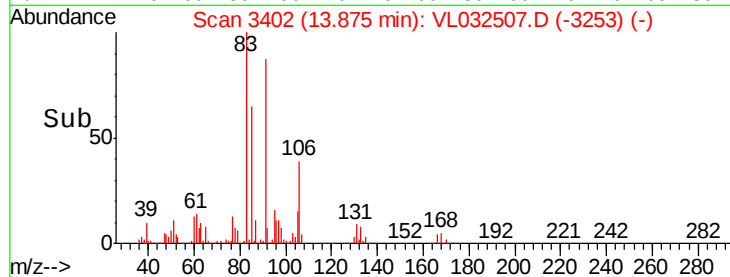
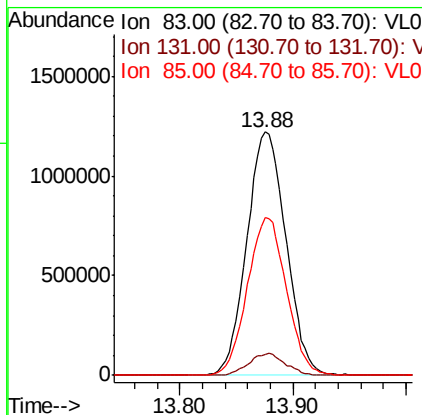
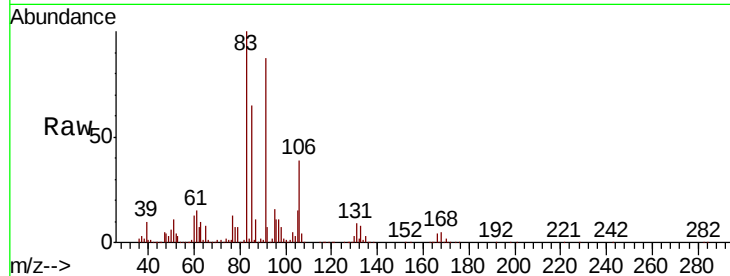
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.274 ppbv
 RT: 13.88 min Scan# 3402
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2937075
Ion Ratio	100	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	64.8	32.3	96.8

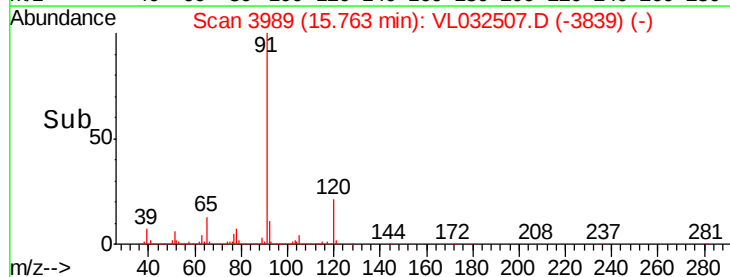
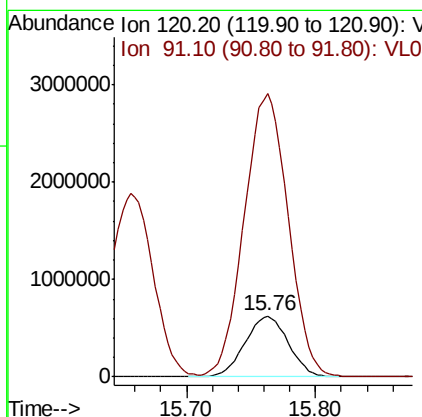
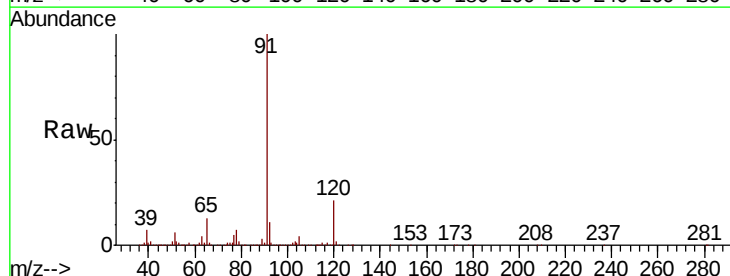
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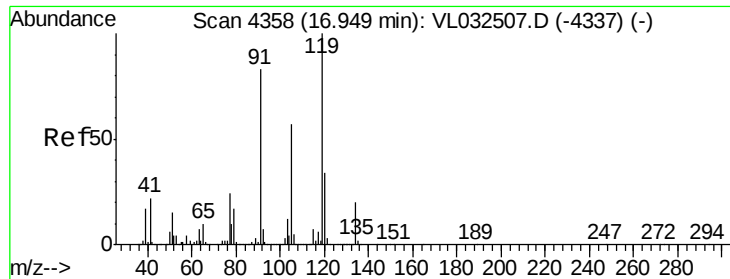
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#64
 n-propylbenzene
 Concen: 9.969 ppbv
 RT: 15.76 min Scan# 3989
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion	120	Resp	1454485
Ion Ratio	100	Lower	Upper
120	100		
91	475.9	381.8	572.6





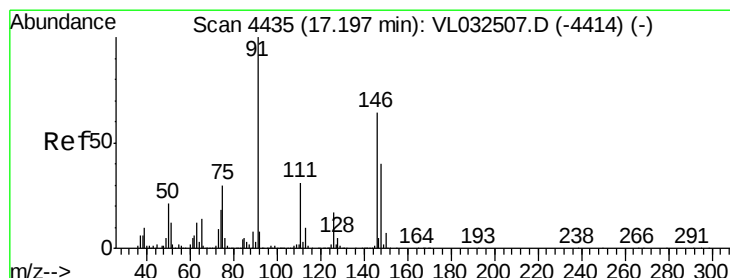
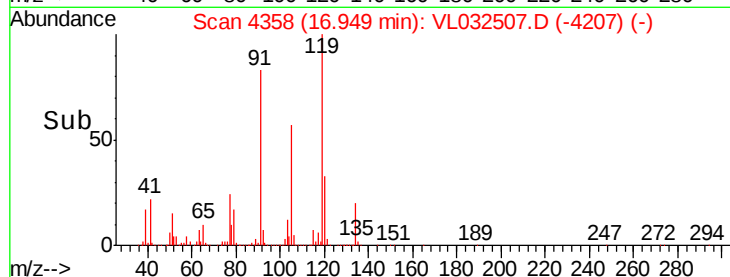
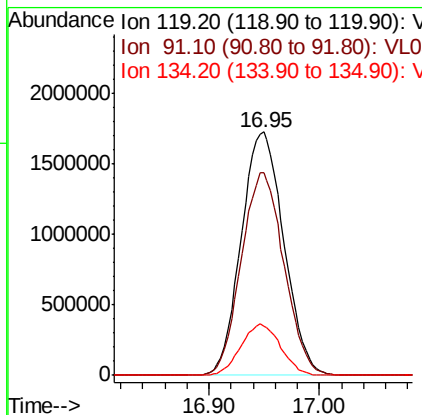
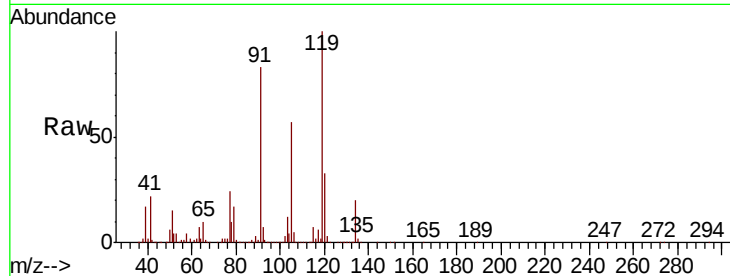
#65
tert-Butylbenzene
Concen: 9.592 ppbv
RT: 16.95 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.5	66.5	99.7
134	19.6	16.0	24.0

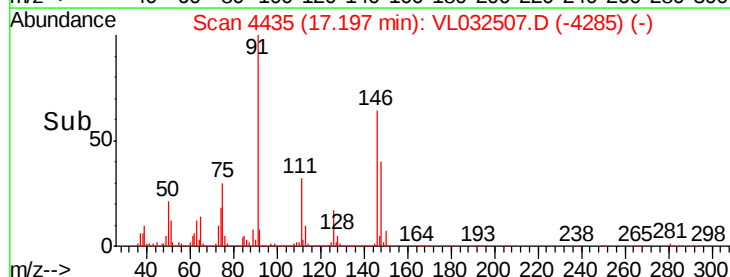
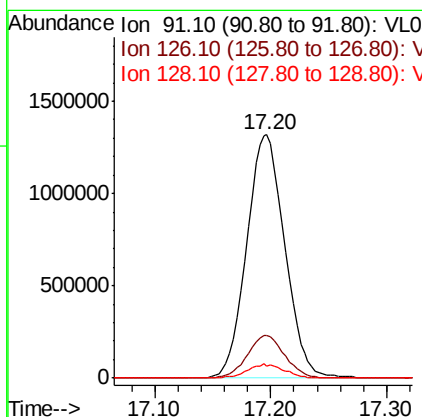
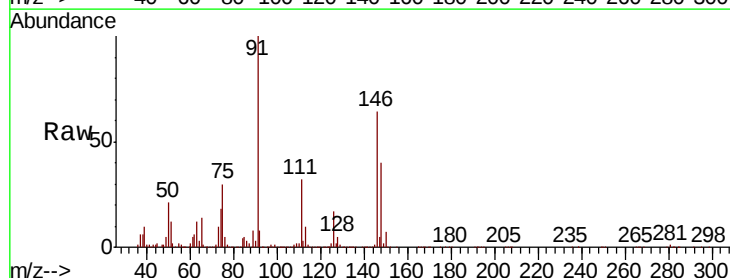
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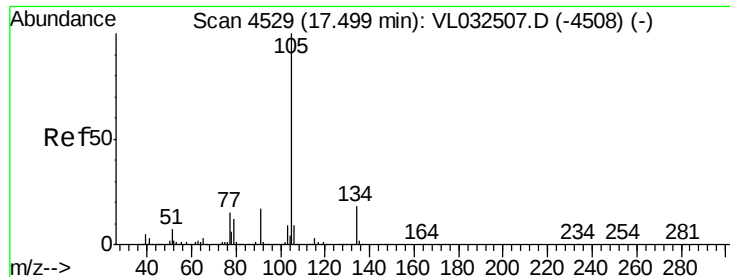
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#66
Benzyl Chloride
Concen: 11.211 ppbv
RT: 17.20 min Scan# 4435
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.8
128	5.5	4.4	6.6





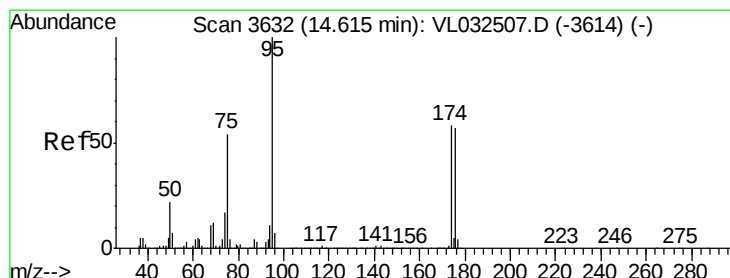
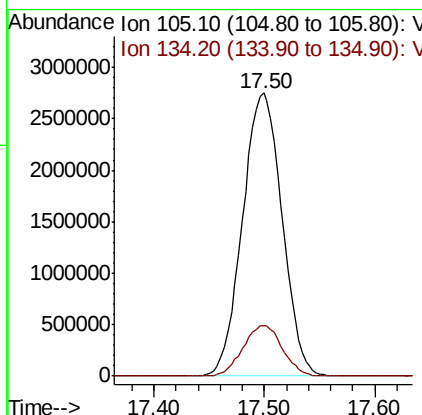
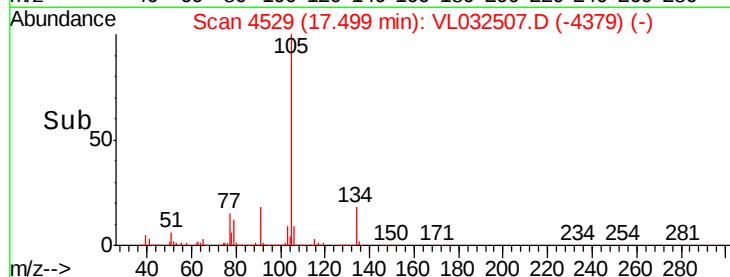
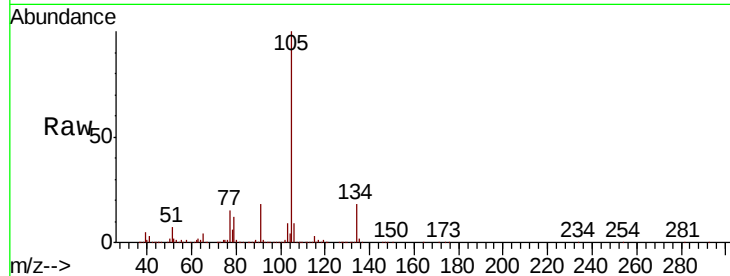
#67
 sec-Butylbenzene
 Concen: 9.447 ppbv
 RT: 17.50 min Scan# 4529
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 6832306
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.4 21.6

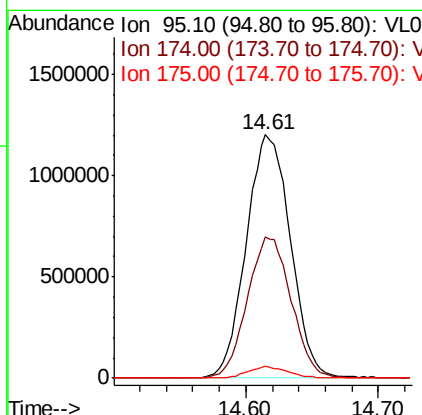
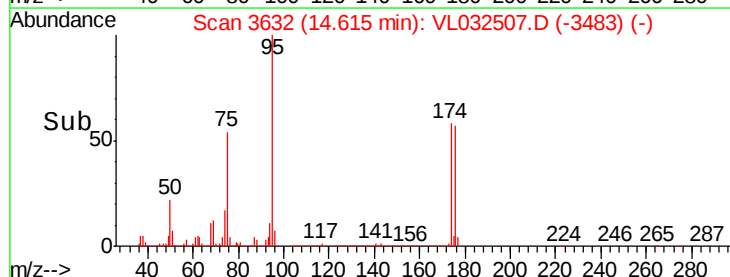
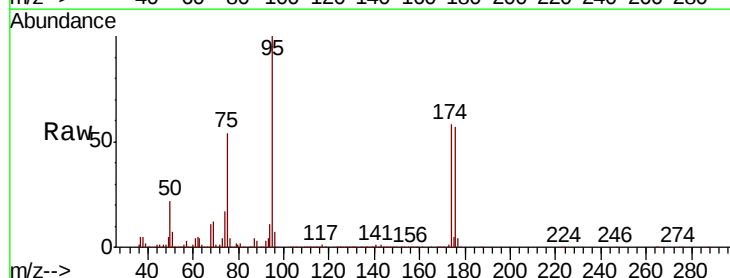
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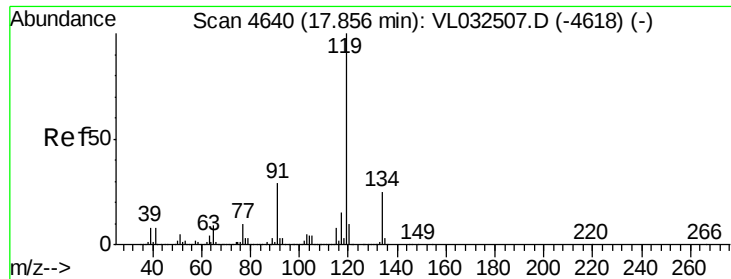
MMDadoda
 9/24/2018 11:19:54 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.889 ppbv
 RT: 14.61 min Scan# 3632
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion: 95 Resp: 2781272
 Ion Ratio Lower Upper
 95 100
 174 57.7 46.3 69.5
 175 4.3 3.4 5.0





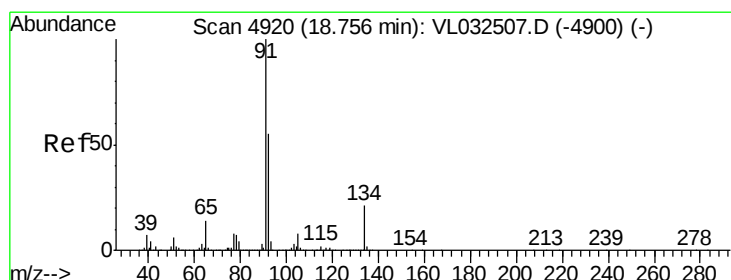
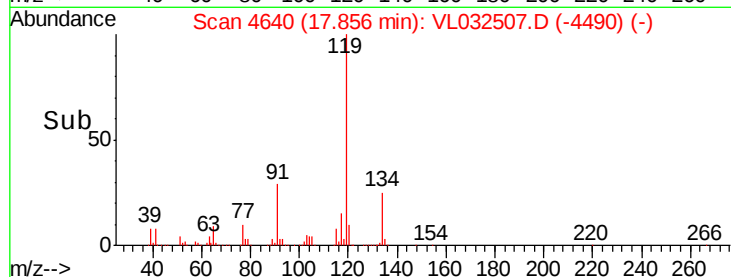
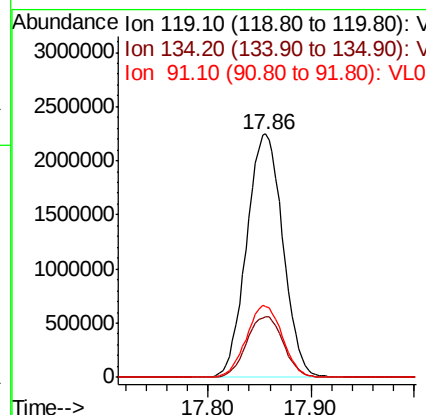
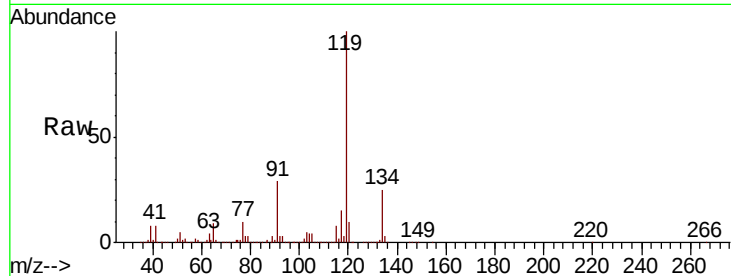
#69
 p-Isopropyltoluene
 Concen: 9.785 ppbv
 RT: 17.86 min Scan# 4640
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.2	23.4	35.2

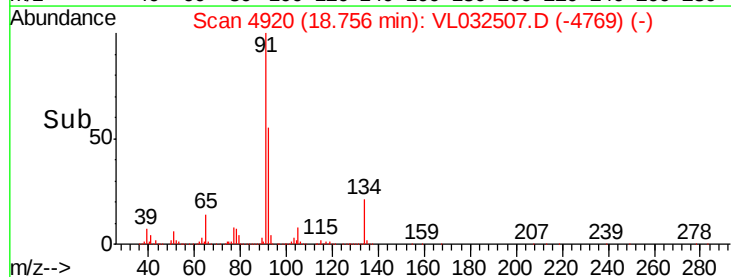
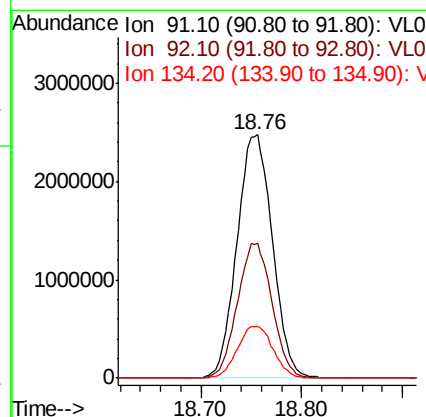
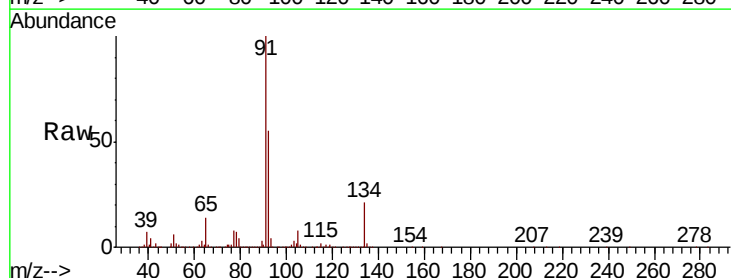
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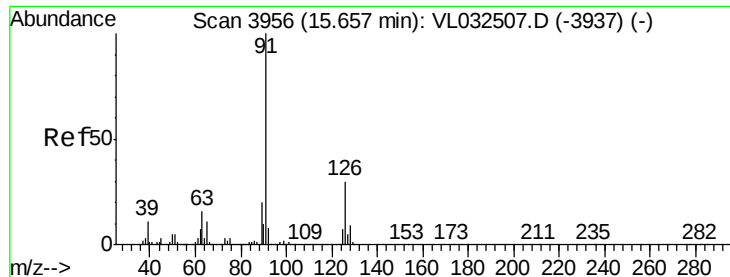
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#70
 n-Butylbenzene
 Concen: 9.485 ppbv
 RT: 18.76 min Scan# 4920
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	21.6	17.4	26.0





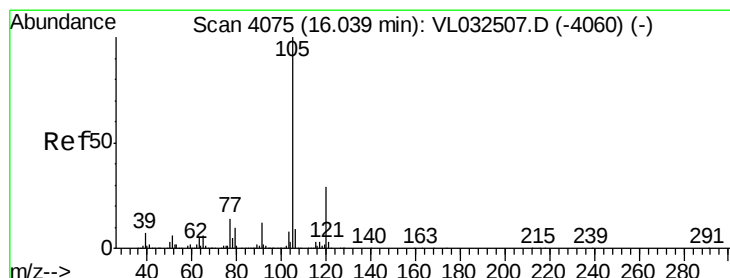
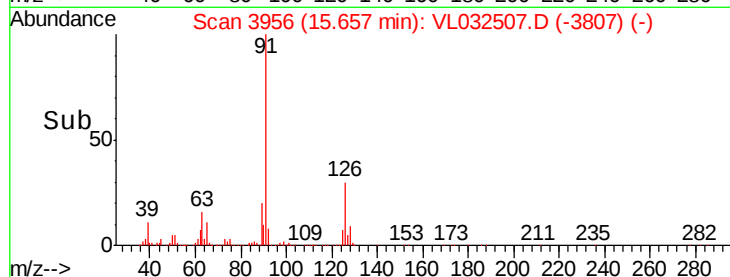
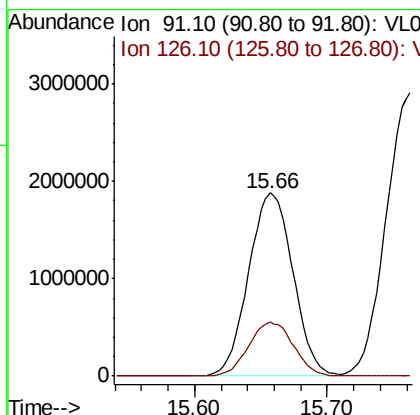
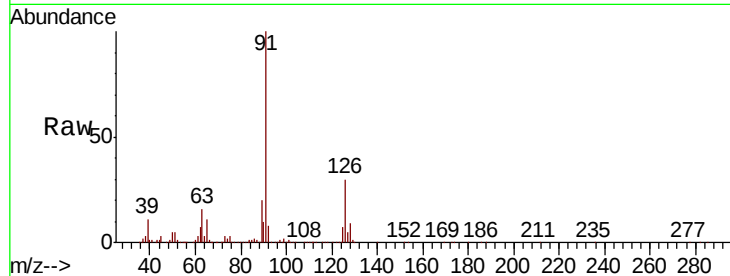
#71
 2-Chlorotoluene
 Concen: 10.287 ppbv
 RT: 15.66 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4386201
 Ion Ratio Lower Upper
 91 100
 126 29.7 11.9 47.7

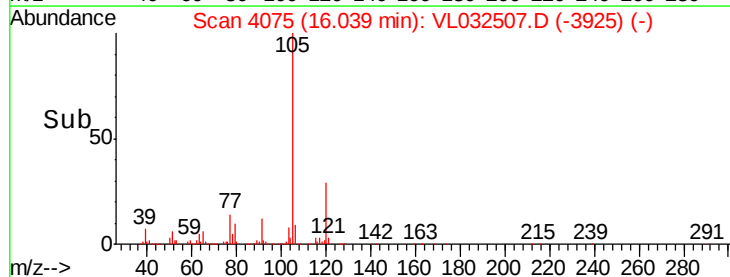
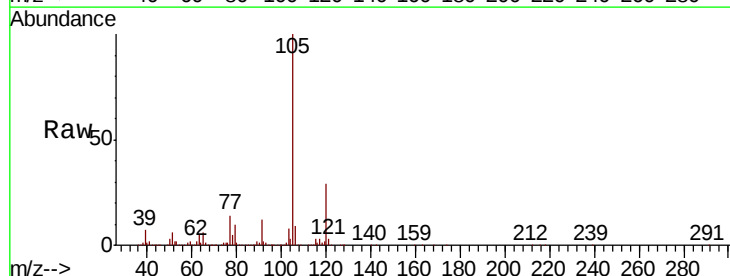
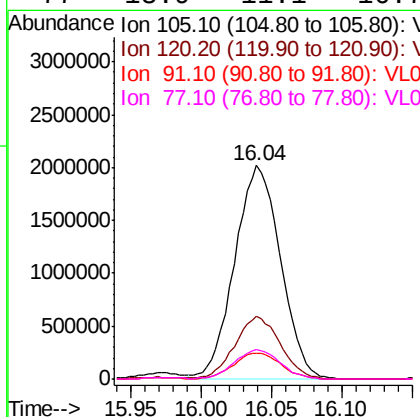
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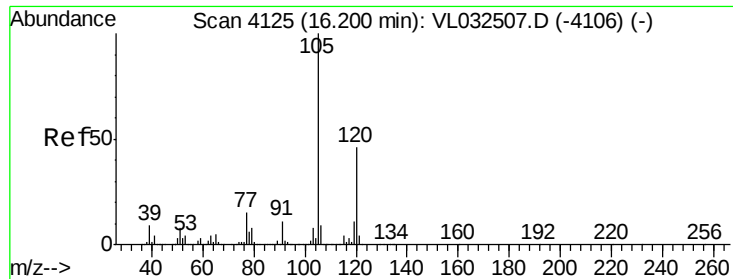
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#72
 4-Ethyltoluene
 Concen: 10.582 ppbv
 RT: 16.04 min Scan# 4075
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion: 105 Resp: 4586621
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.5 35.3
 91 13.0 10.2 15.2
 77 13.9 11.1 16.7





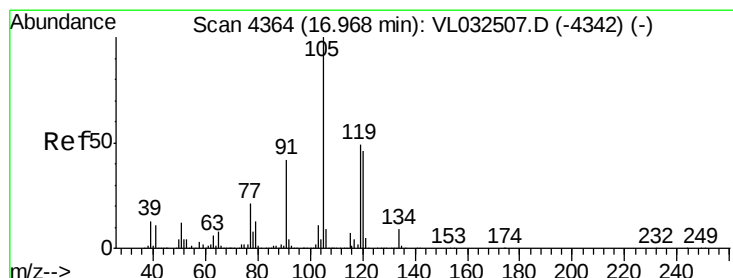
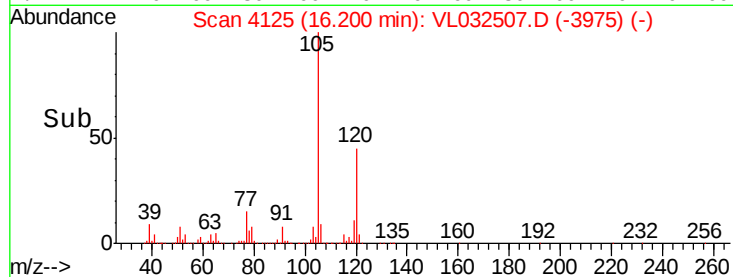
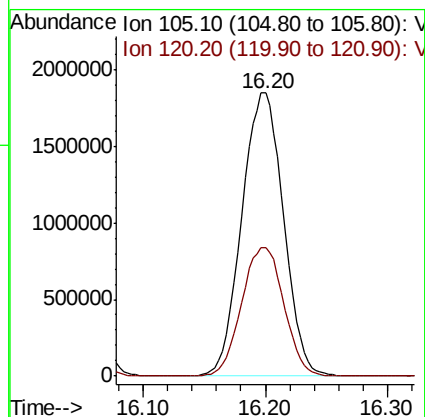
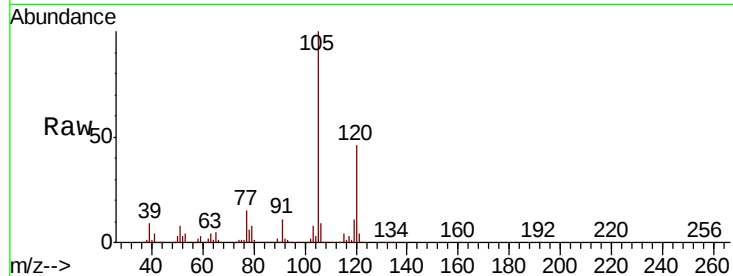
#73
 1,3,5-Trimethylbenzene
 Concen: 10.013 ppbv
 RT: 16.20 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4348130
 Ion Ratio Lower Upper
 105 100
 120 45.6 37.9 56.9

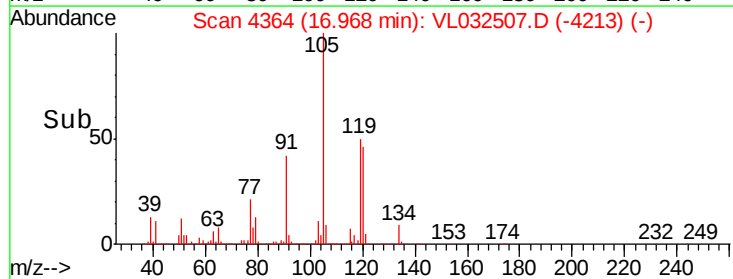
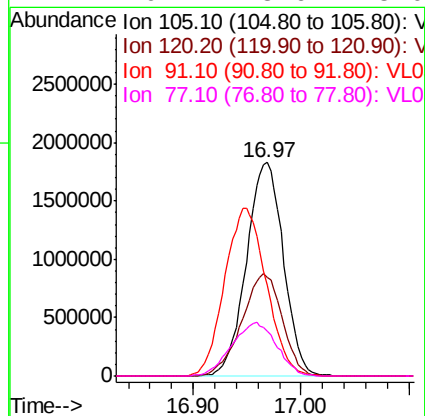
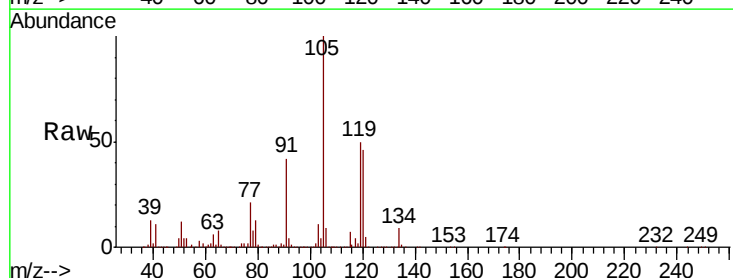
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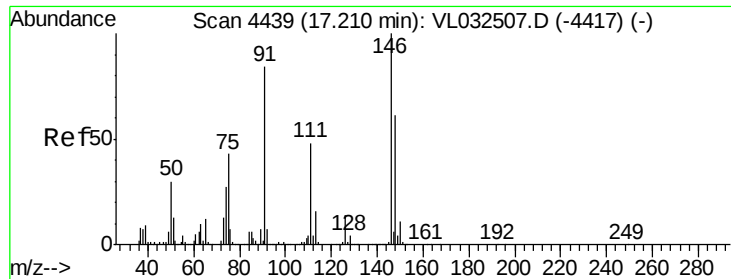
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.157 ppbv
 RT: 16.97 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Tgt Ion:105 Resp: 4347381
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.8 56.8
 91 42.3 41.4 62.0
 77 20.7 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.624 ppbv

RT: 17.21 min Scan# 4439

Delta R.T. -0.01 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

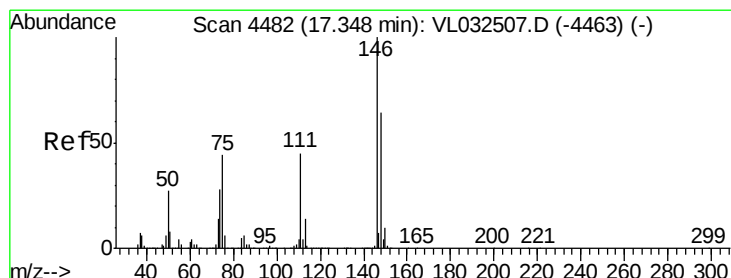
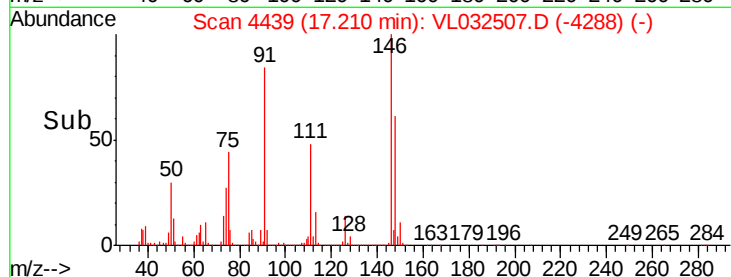
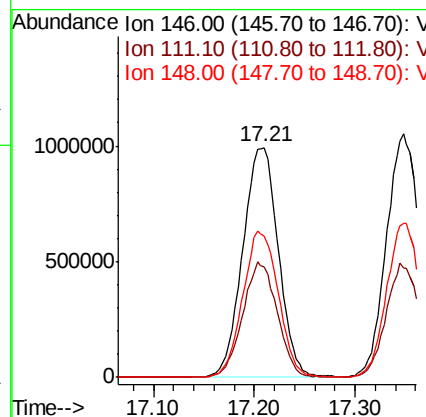
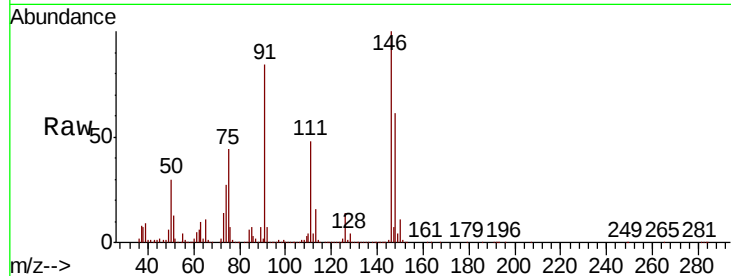
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	2429194
Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.5	73.5
148	63.5	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 9.349 ppbv

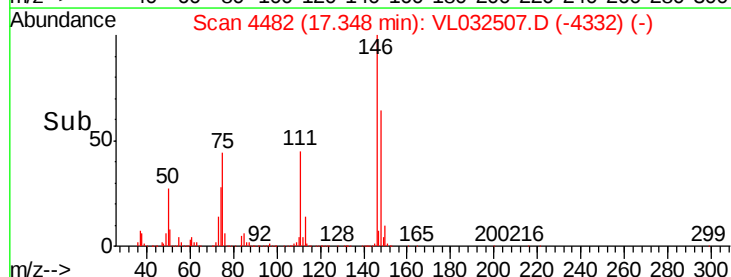
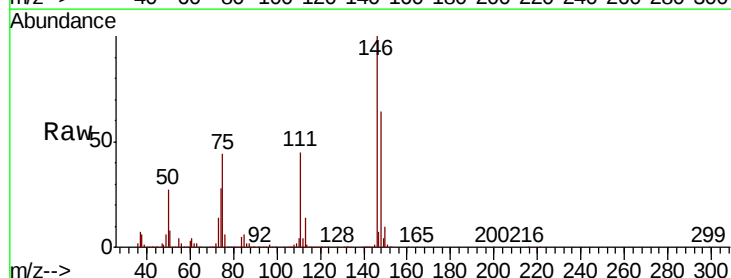
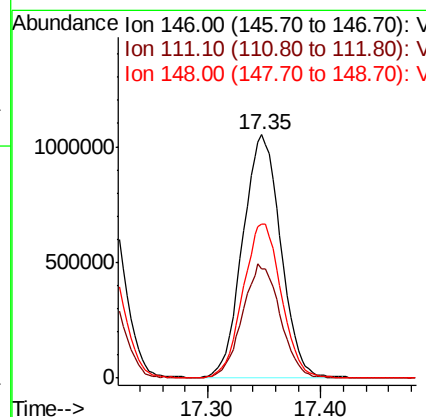
RT: 17.35 min Scan# 4482

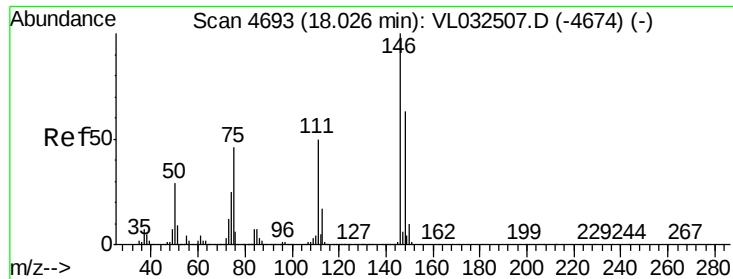
Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Tgt Ion:	146	Resp:	2443610
Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.2
148	64.6	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 8.856 ppbv

RT: 18.03 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Instrument :

MSVOA_L

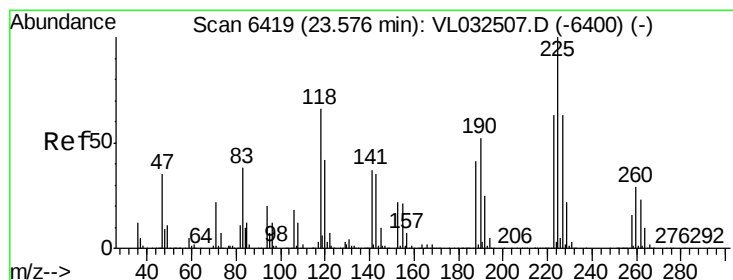
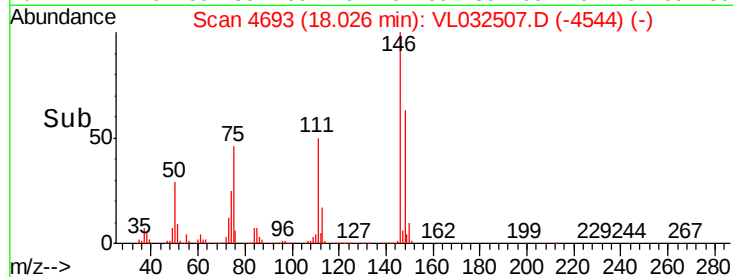
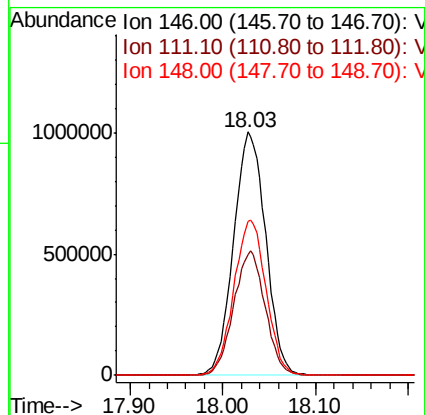
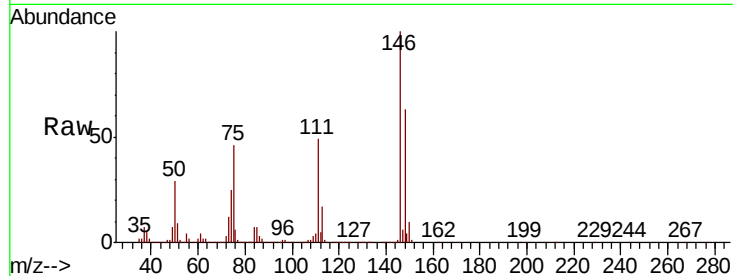
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	2406961
Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	64.1	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 14.547 ppbv

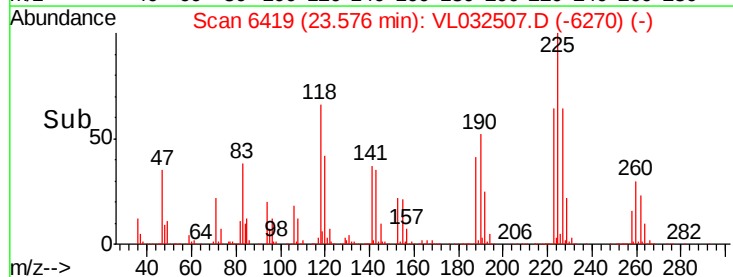
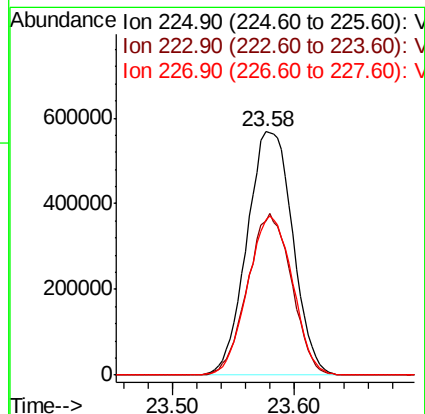
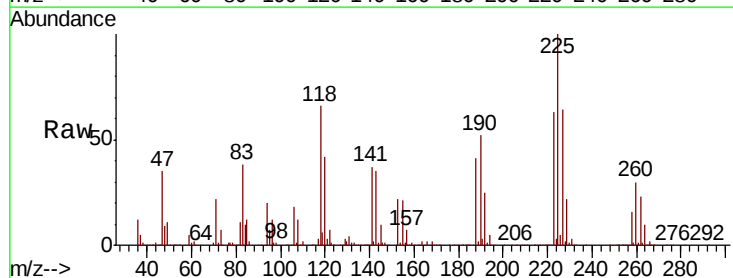
RT: 23.58 min Scan# 6419

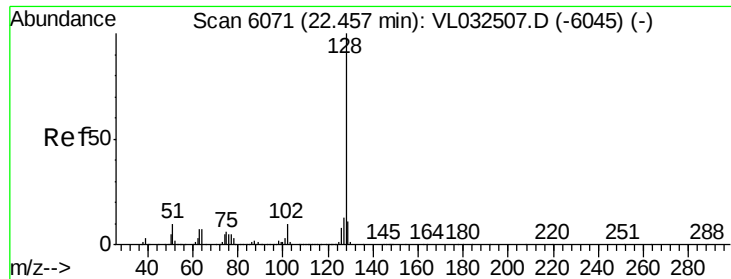
Delta R.T. -0.02 min

Lab File: VL032507.D

Acq: 20 Sep 2018 13:32

Tgt Ion:	225	Resp:	1477206
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	64.1	51.2	76.8





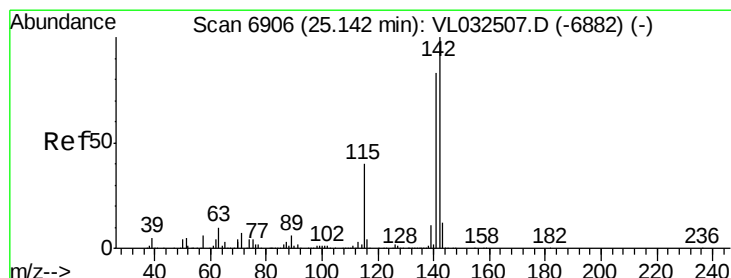
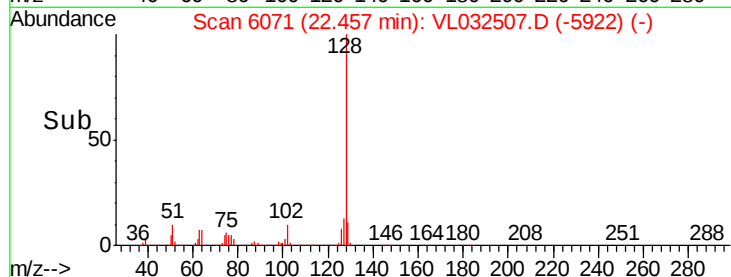
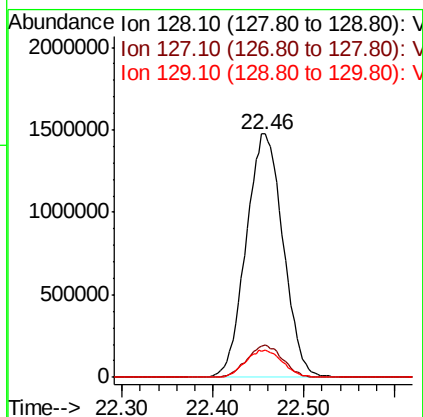
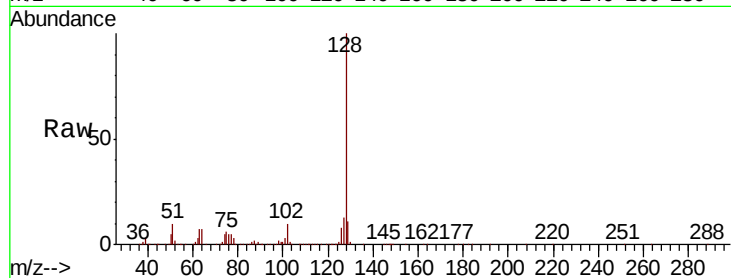
#79
Naphthalene
Concen: 10.772 ppbv
RT: 22.46 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.5	12.7

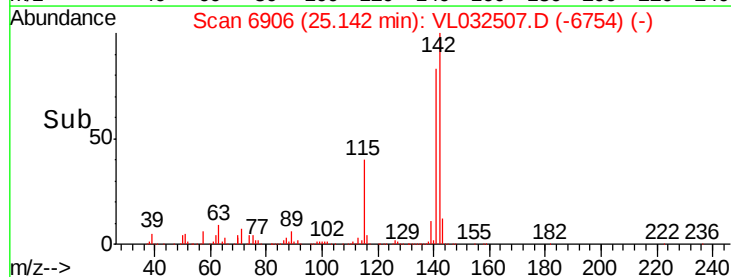
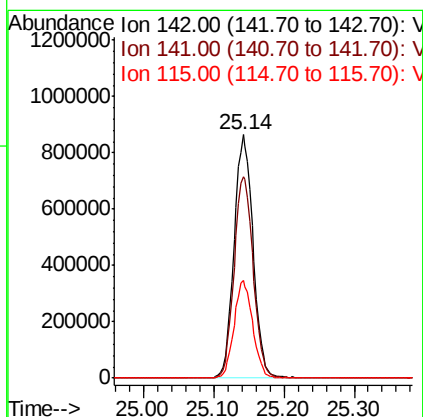
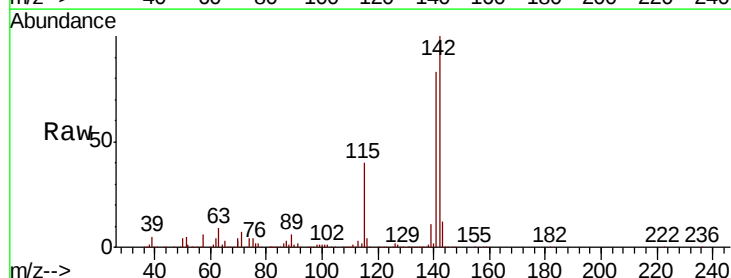
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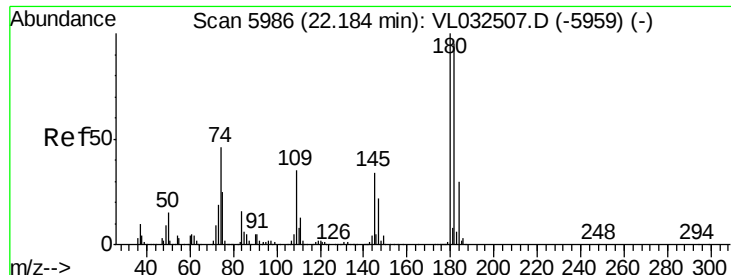
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#80
Naphthalene, 2-methyl-
Concen: 15.865 ppbv
RT: 25.14 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL032507.D
Acq: 20 Sep 2018 13:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.0	100.6
115	39.4	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 10.213 ppbv
 RT: 22.18 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL032507.D
 Acq: 20 Sep 2018 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.6	23.8	35.8

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