

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032515.D
 Acq On : 24 Sep 2018 17:07
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
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 9/26/2018 4:47:04 PM

Quant Time: Sep 24 18:37:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 24 18:37:32 2018
 QLast Update : Mon Sep 24 18:32:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1649593	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3658464	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3739238	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2757695	9.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	283360	1.343	ppbv	96
3) Chlorodifluoromethane	3.03	51	277845	1.861	ppbv	99
4) Chloromethane	3.19	50	159104	1.760	ppbv	96
5) Vinyl Chloride	3.31	62	148634	1.666	ppbv	100
6) Bromomethane	3.53	94	88119	1.881	ppbv	100
7) Chloroethane	3.62	64	59514	1.927	ppbv	94
8) Dichlorotetrafluoroethane	3.24	85	337787	1.804	ppbv	100
9) Propene	3.05	41	121763	2.021	ppbv	97
10) Heptane	8.28	43	457632	2.118	ppbv	98
11) Trichlorofluoromethane	4.03	101	363164	1.909	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	303091	2.351	ppbv	99
13) Ethanol	3.67	45	34895	1.858	ppbv	97
14) Bromoethene	3.81	108	104430	1.912	ppbv	98
15) Acetone	3.93	43	293288	1.974	ppbv	99
16) 1,3-Butadiene	3.38	39	107055	1.532	ppbv	90
17) tert-Butyl alcohol	4.39	59	33322m	1.458	ppbv	
18) 1,1-Dichloroethene	4.37	96	138631	2.353	ppbv	91
19) Isopropyl Alcohol	4.05	45	200205	2.054	ppbv #	98
20) Methylene Chloride	4.44	84	139322	2.460	ppbv	97
21) Allyl Chloride	4.50	41	241044	2.443	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	134614	2.105	ppbv	99
23) Vinyl Acetate	5.18	43	532326	2.162	ppbv	99
24) 1,1-Dichloroethane	5.12	63	440198	2.170	ppbv	99
25) Ethyl Acetate	5.80	43	752991	2.146	ppbv	99
26) Hexane	5.80	57	338595	2.156	ppbv	95
27) Carbon Disulfide	4.65	76	340909	2.351	ppbv #	94
28) Methyl tert-Butyl Ether	5.14	73	421496	2.186	ppbv	99
29) Chloroform	5.87	83	493118	2.059	ppbv	94
30) Cyclohexane	7.27	84	269102	2.340	ppbv	87
31) cis-1,2-Dichloroethene	5.66	61	319212	2.244	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	507779	2.275	ppbv	99
34) 2-Butanone	5.35	43	470207	1.935	ppbv	98
35) Carbon Tetrachloride	7.16	117	472081	1.920	ppbv	97
36) Benzene	7.03	78	631273	2.028	ppbv	99
37) 1,2-Dichloroethane	6.44	62	379837	1.991	ppbv	99
38) Trichloroethene	7.99	130	253599	2.144	ppbv	98
39) 1,2-Dichloropropane	7.76	63	288622	2.167	ppbv	98
40) 1,4-Dioxane	8.00	88	90306m	2.260	ppbv	
41) Tetrahydrofuran	6.18	42	265573	2.007	ppbv	99
42) Bromodichloromethane	7.95	83	566875	2.154	ppbv	97
43) Methyl Methacrylate	8.16	69	266801	2.020	ppbv	98

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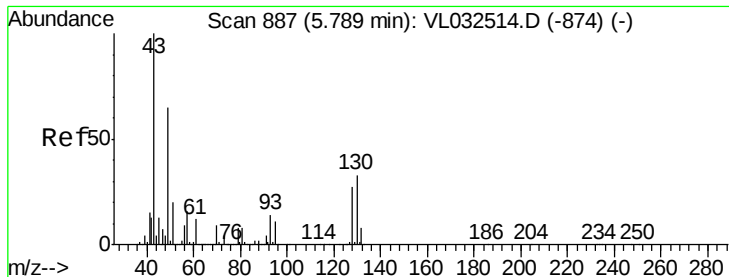
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Quant Time: Sep 24 18:37:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 24 2018
 QLast Update : Mon Sep 24 18:32:13 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	1311284	2.179	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	315553	2.233	ppbv	97
46) cis-1,3-Dichloropropene	8.87	75	387578	2.146	ppbv	95
47) 1,1,2-Trichloroethane	9.64	97	312820	2.209	ppbv	96
48) Dibromochloromethane	10.48	129	497124	2.534	ppbv	100
49) Bromoform	13.23	173	381873	2.240	ppbv	99
50) 4-Methyl-2-Pentanone	8.91	43	777207	2.123	ppbv	100
51) 2-Hexanone	10.31	43	645811	2.739	ppbv #	100
52) Tetrachloroethene	11.40	164	216856	2.246	ppbv	98
53) Toluene	9.97	91	801423	2.463	ppbv	99
54) 1,2-Dibromoethane	10.79	107	451853	2.376	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	349422	2.073	ppbv #	1
57) Chlorobenzene	12.33	112	640655	2.144	ppbv	99
58) Ethyl Benzene	12.89	91	1012303	2.262	ppbv	97
59) m/p-Xylene	13.17	91	1790997m	4.489	ppbv	
60) o-Xylene	13.88	91	882843	2.253	ppbv	99
61) Styrene	13.71	104	579687	2.285	ppbv	98
62) Isopropylbenzene	14.86	105	1230538	2.234	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	715633	2.042	ppbv	100
64) n-propylbenzene	15.75	120	317120	2.202	ppbv	89
65) tert-Butylbenzene	16.94	119	1093109	2.303	ppbv	97
66) Benzyl Chloride	17.18	91	599555	2.267	ppbv	99
67) sec-Butylbenzene	17.49	105	1598142	2.239	ppbv	99
69) p-Isopropyltoluene	17.85	119	1262285	2.281	ppbv	99
70) n-Butylbenzene	18.75	91	1388173	2.213	ppbv	97
71) 2-Chlorotoluene	15.65	91	954193	2.267	ppbv	99
72) 4-Ethyltoluene	16.03	105	962034	2.249	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	926704	2.162	ppbv	93
74) 1,2,4-Trimethylbenzene	16.96	105	1007802	2.151	ppbv	99
75) 1,3-Dichlorobenzene	17.19	146	590858	2.125	ppbv	98
76) 1,4-Dichlorobenzene	17.34	146	550576	2.134	ppbv	99
77) 1,2-Dichlorobenzene	18.02	146	565003	2.106	ppbv	99
78) Hexachloro-1,3-Butadiene	23.57	225	210650	2.101	ppbv	99
79) Naphthalene	22.45	128	693130	1.819	ppbv	97
80) Naphthalene, 2-methyl-	25.14	142	70594	0.696	ppbv	97
81) 1,2,4-Trichlorobenzene	22.17	180	350973	1.829	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1649593

Ion Ratio Lower Upper

49 100

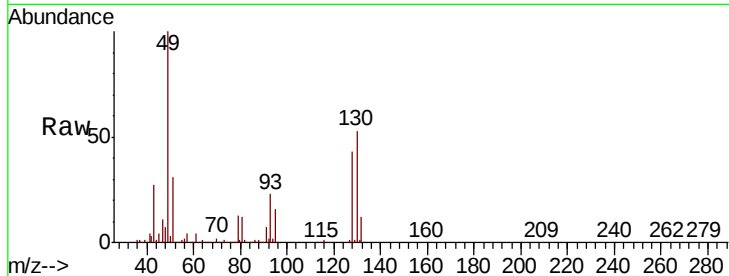
128 42.2 20.7 62.1

130 53.6 26.6 79.7

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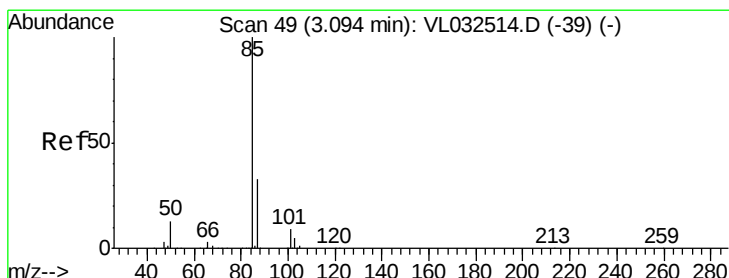
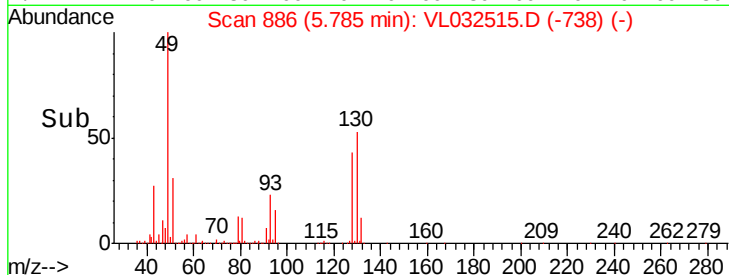
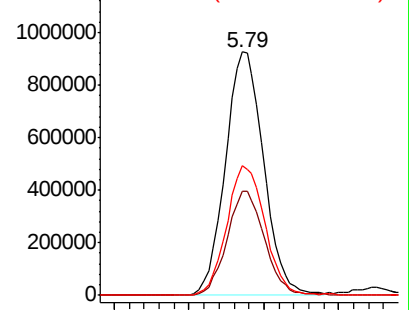
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.343 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032515.D

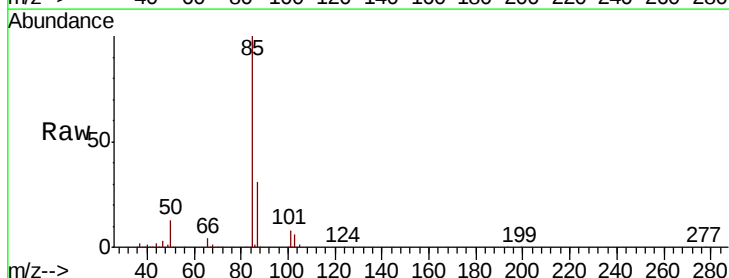
Acq: 24 Sep 2018 17:07

Tgt Ion: 85 Resp: 283360

Ion Ratio Lower Upper

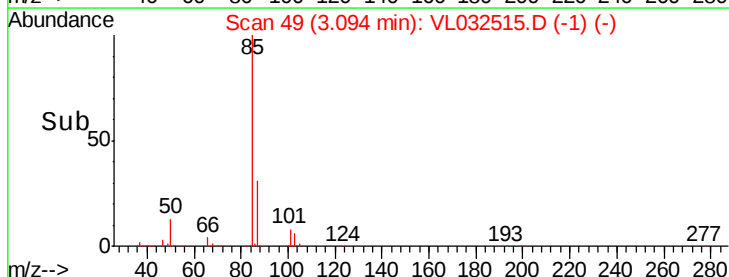
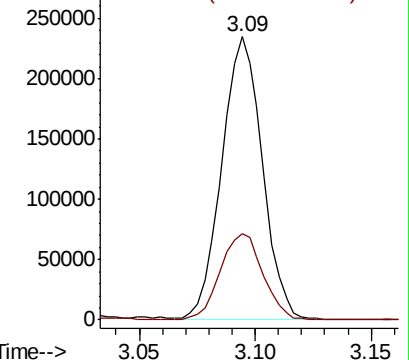
85 100

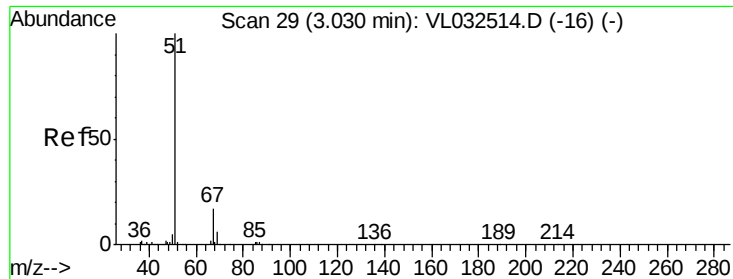
87 30.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





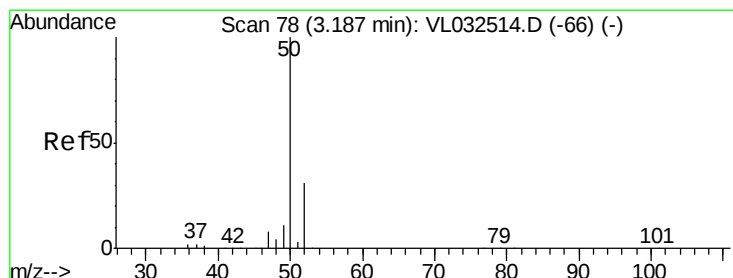
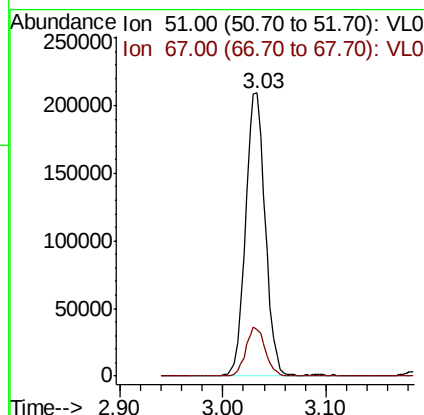
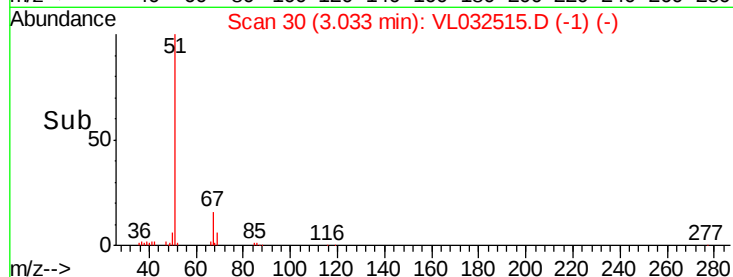
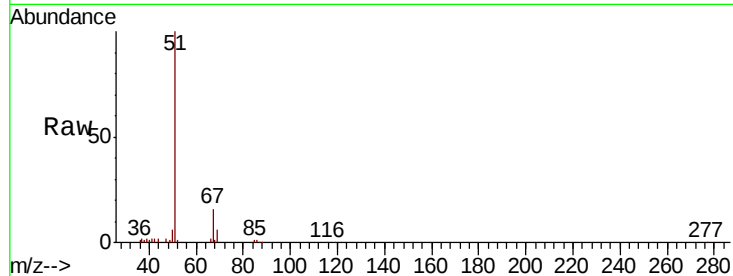
#3
Chlorodifluoromethane
Concen: 1.861 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 51 Resp: 277845
Ion Ratio Lower Upper
51 100
67 17.0 13.8 20.8

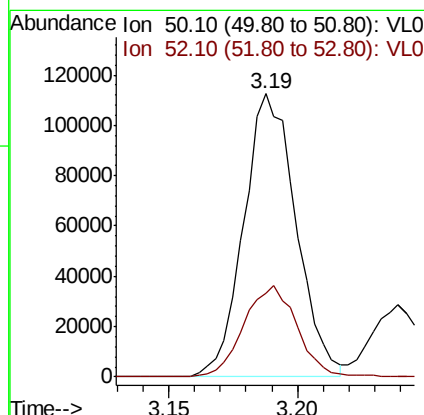
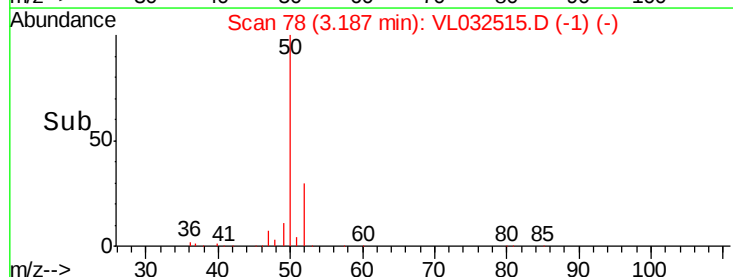
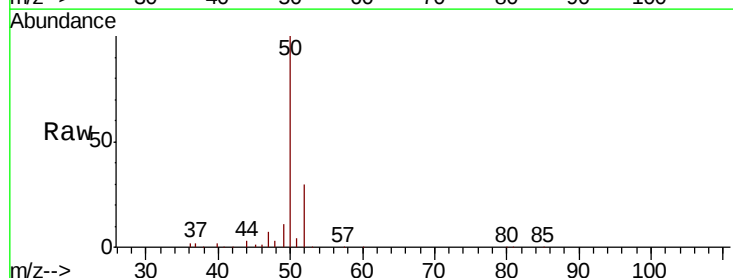
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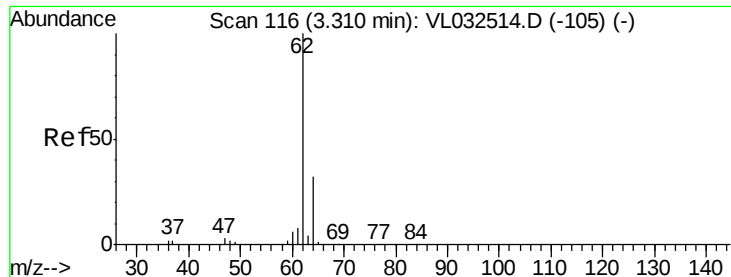
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#4
Chloromethane
Concen: 1.760 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion: 50 Resp: 159104
Ion Ratio Lower Upper
50 100
52 29.5 25.6 38.4





#5

Vinyl Chloride

Concen: 1.666 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 148634

Ion Ratio Lower Upper

62 100

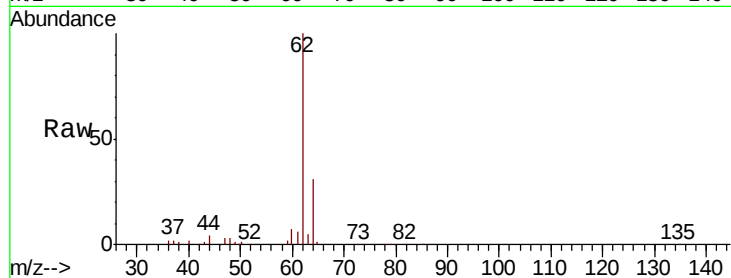
64 31.4 25.0 37.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.31

120000

100000

80000

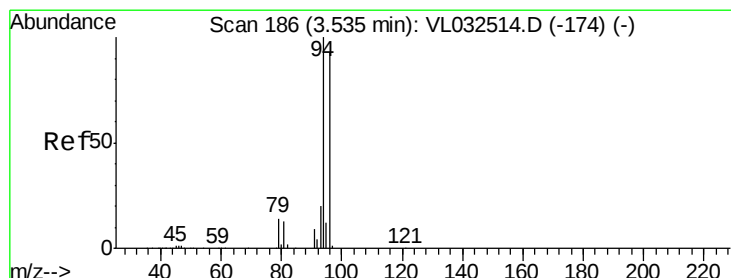
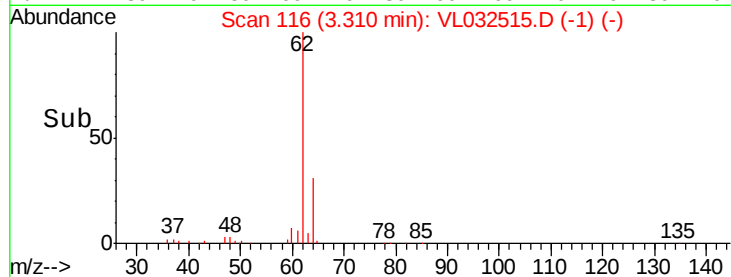
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 1.881 ppbv

RT: 3.53 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL032515.D

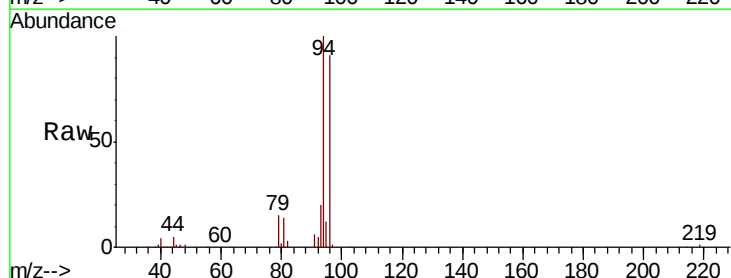
Acq: 24 Sep 2018 17:07

Tgt Ion: 94 Resp: 88119

Ion Ratio Lower Upper

94 100

96 91.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.53

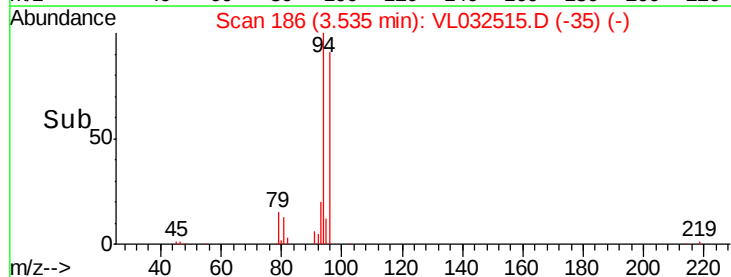
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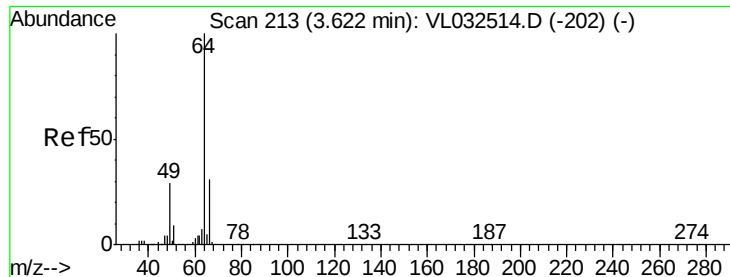
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20000

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Time-->





#7

Chloroethane

Concen: 1.927 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 59514

Ion Ratio Lower Upper

64 100

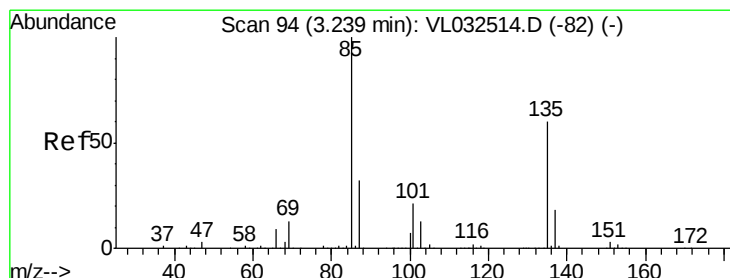
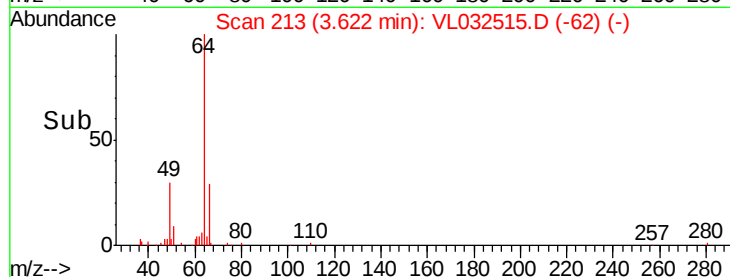
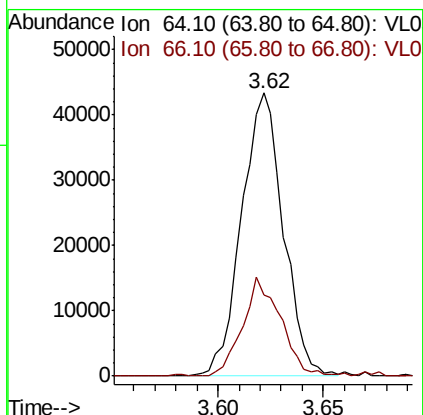
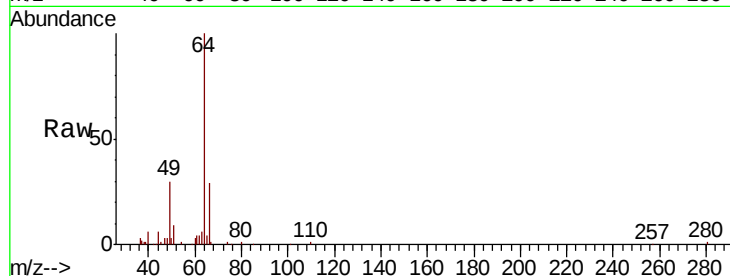
66 28.6 25.8 38.6

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#8

Dichlorotetrafluoroethane

Concen: 1.804 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032515.D

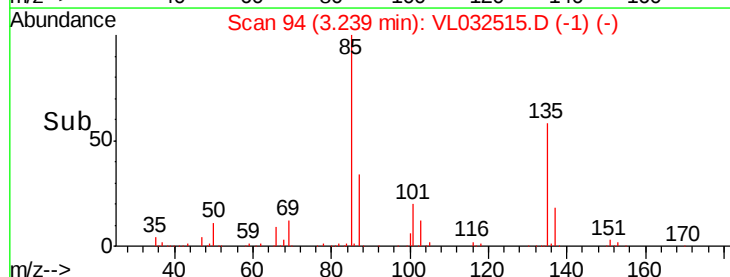
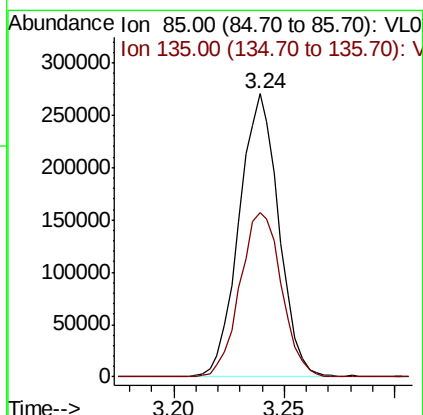
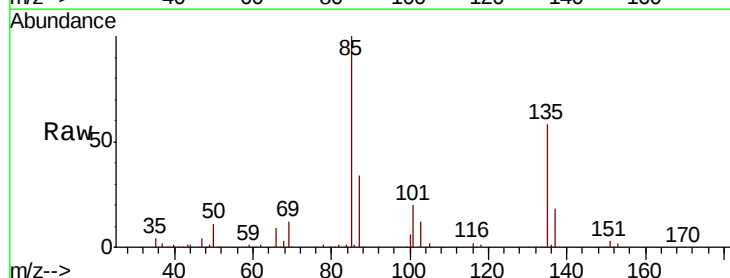
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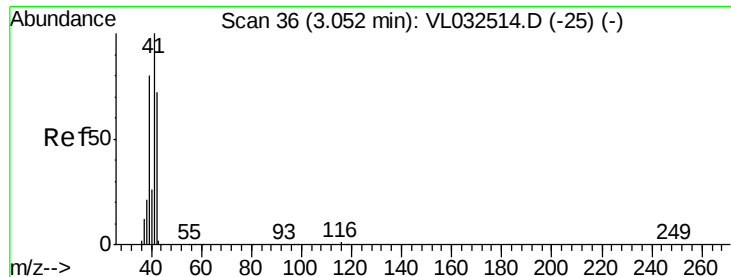
Tgt Ion: 85 Resp: 337787

Ion Ratio Lower Upper

85 100

135 61.1 48.6 72.8





#9

Propene

Concen: 2.021 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

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VSTDIC002

Tot Ion: 41 Resp: 121763

Ion Ratio Lower Upper

41 100

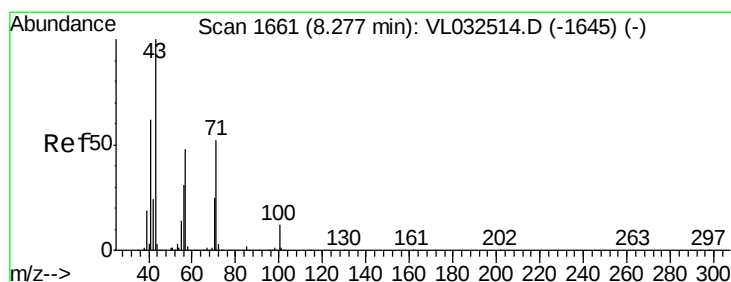
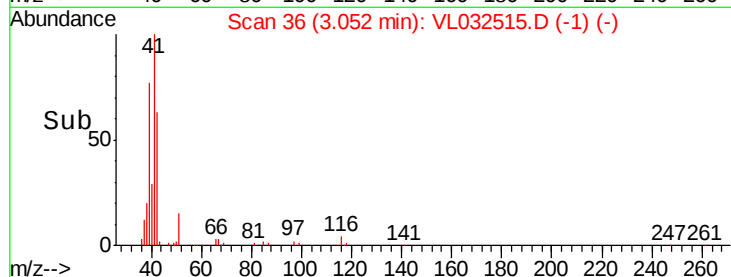
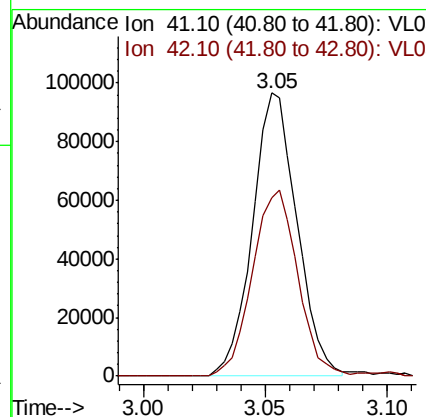
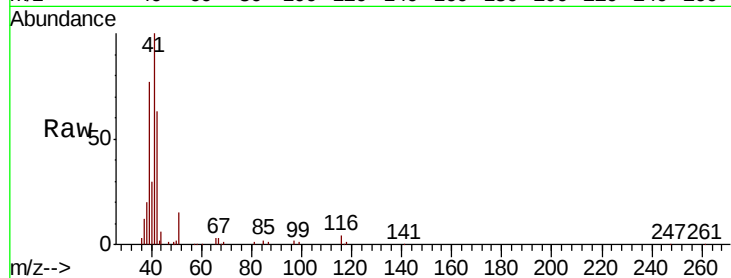
42 68.6 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 2.118 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032515.D

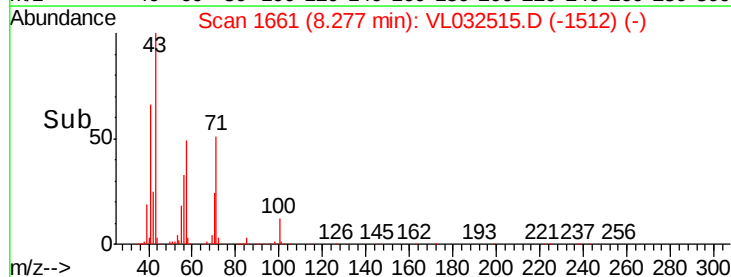
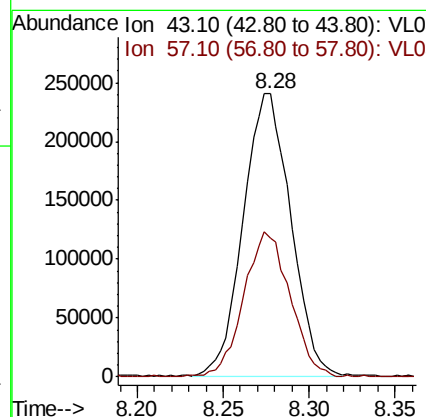
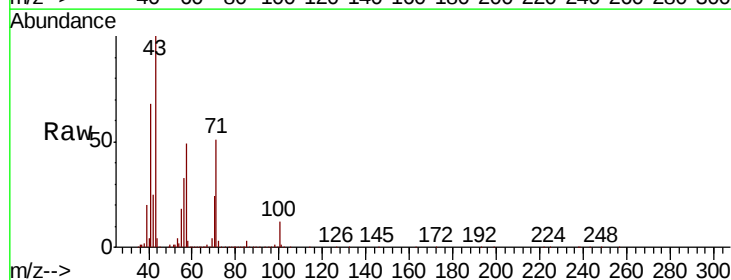
Acq: 24 Sep 2018 17:07

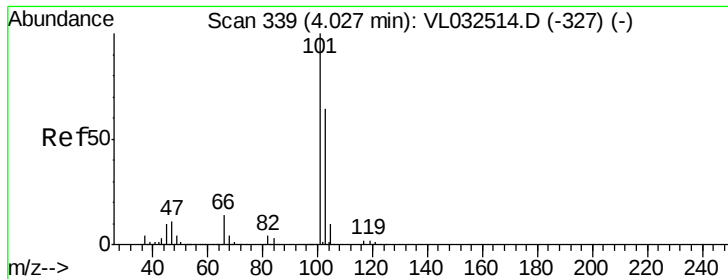
Tgt Ion: 43 Resp: 457632

Ion Ratio Lower Upper

43 100

57 50.9 39.6 59.4





#11

Trichlorofluoromethane

Concen: 1.909 ppbv

RT: 4.03 min Scan# 339

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

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ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 363164

Ion Ratio Lower Upper

101 100

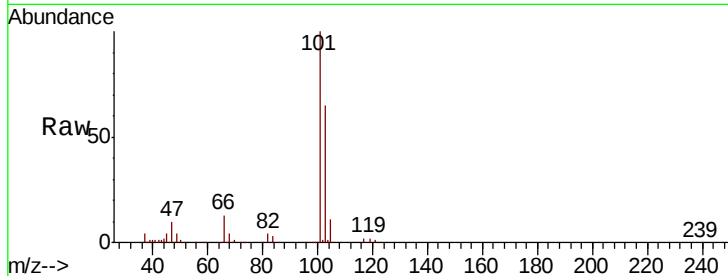
103 64.8 52.8 79.2

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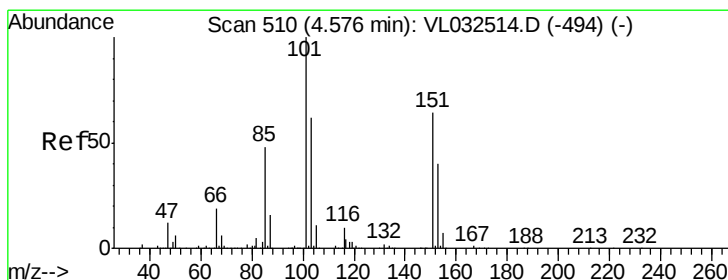
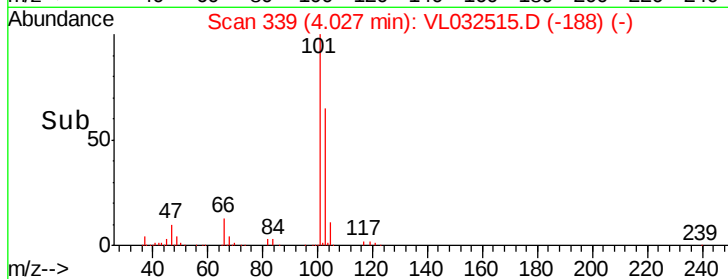
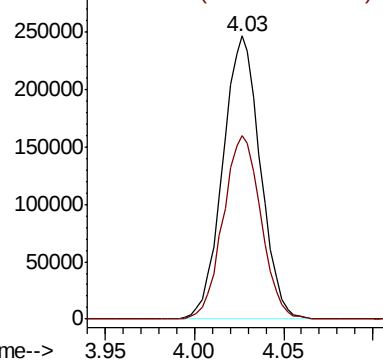
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.351 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032515.D

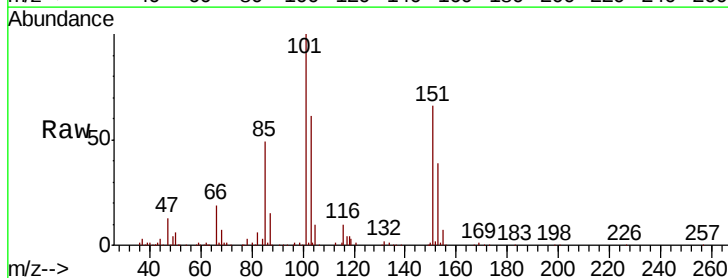
Acq: 24 Sep 2018 17:07

Tgt Ion:101 Resp: 303091

Ion Ratio Lower Upper

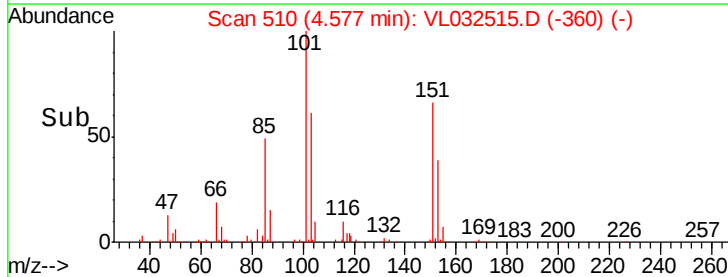
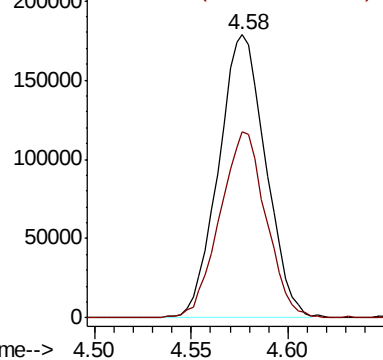
101 100

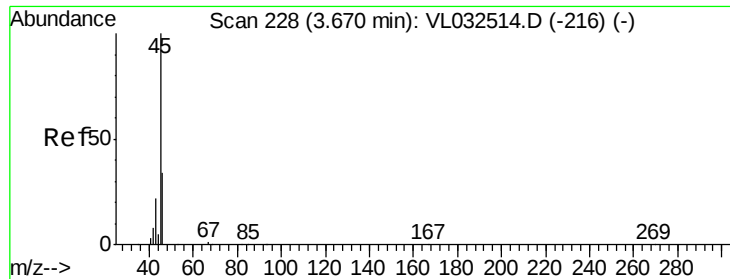
151 64.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





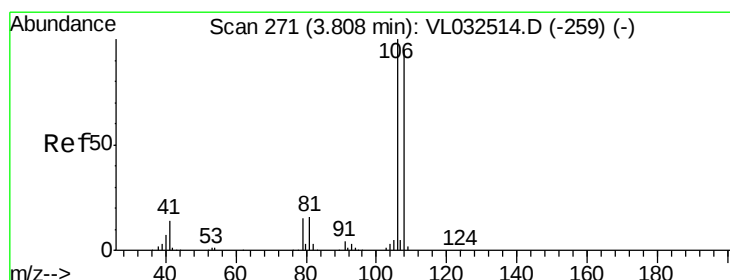
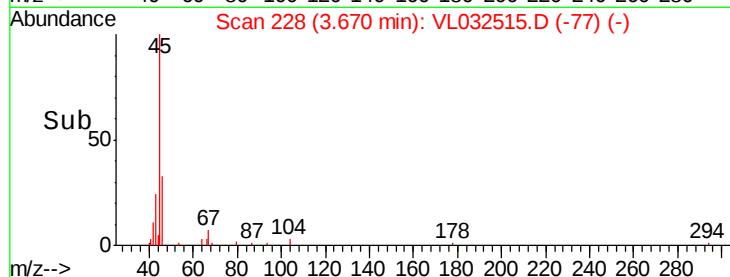
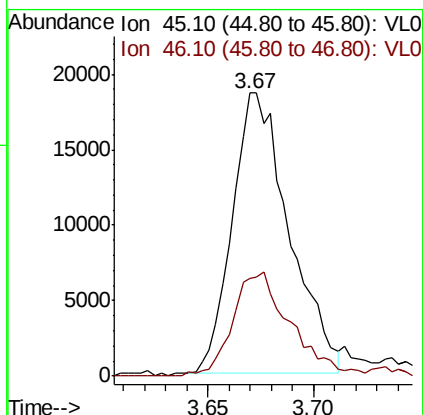
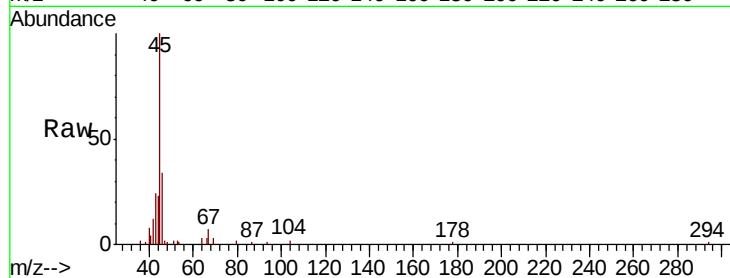
#13
Ethanol
Concen: 1.858 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	34895
Ion Ratio	100	Lower	Upper
45	100		
46	37.1	14.2	56.8

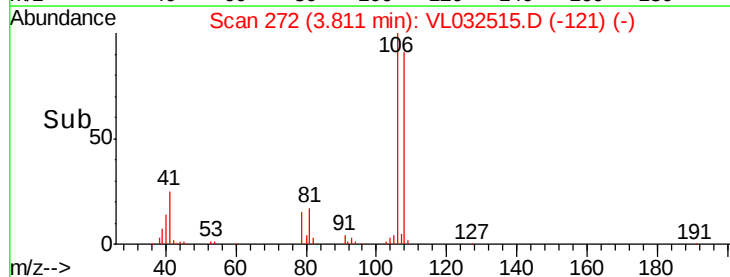
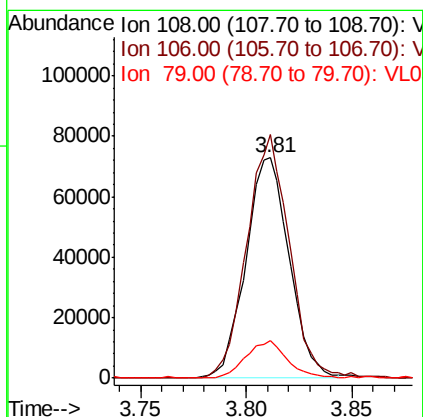
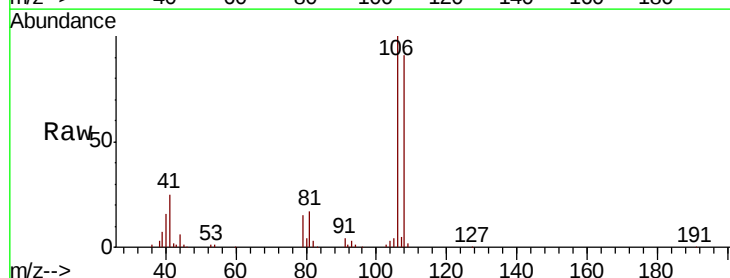
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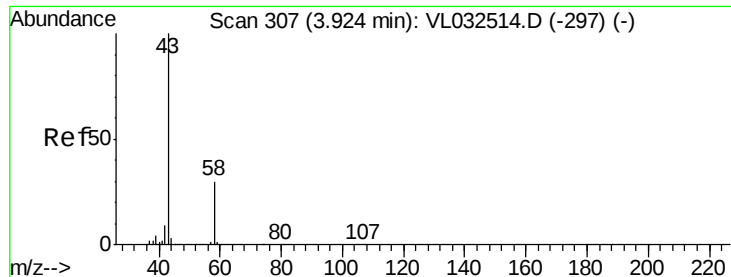
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#14
Bromoethene
Concen: 1.912 ppbv
RT: 3.81 min Scan# 272
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	108	Resp	104430
Ion Ratio	100	Lower	Upper
108	100		
106	108.9	85.5	128.3
79	16.8	13.0	19.6





#15

Acetone

Concen: 1.974 ppbv

RT: 3.93 min Scan# 308

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 293288

Ion Ratio Lower Upper

43 100

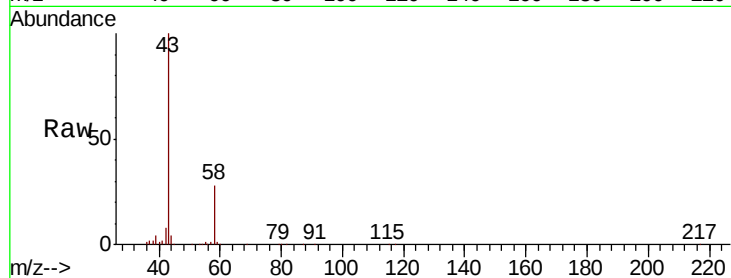
58 28.6 22.6 33.8

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

200000

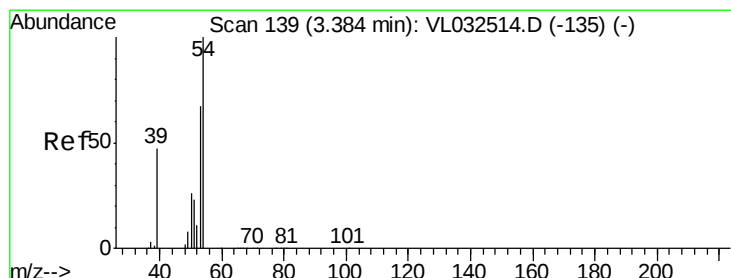
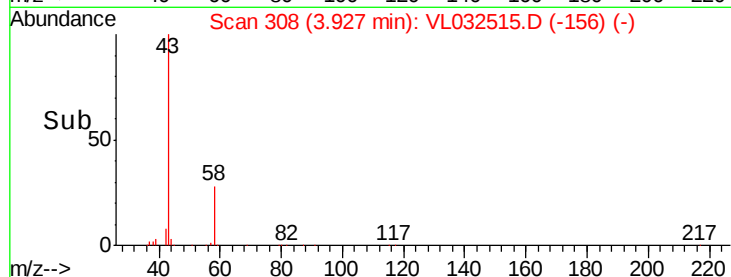
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.532 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032515.D

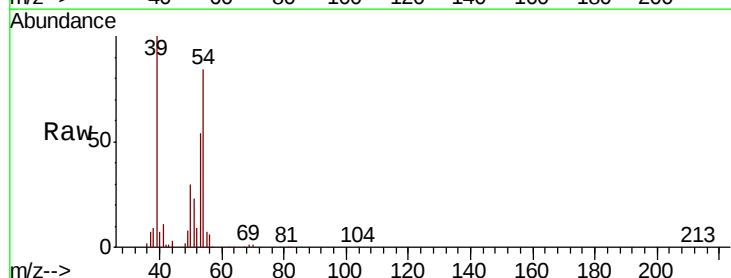
Acq: 24 Sep 2018 17:07

Tgt Ion: 39 Resp: 107055

Ion Ratio Lower Upper

39 100

54 110.6 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

120000

100000

80000

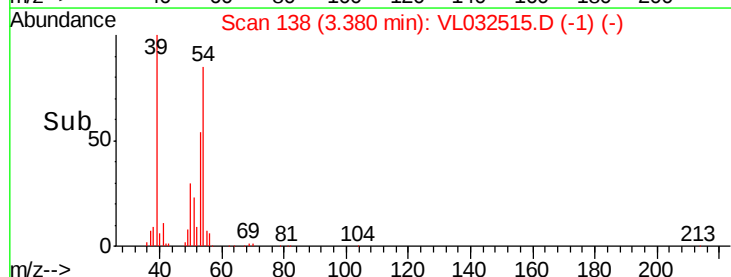
60000

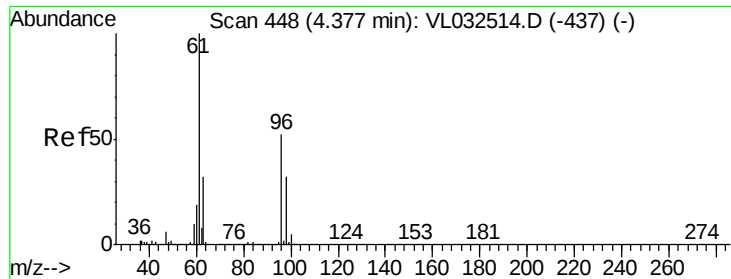
40000

20000

0

Time-->





#17

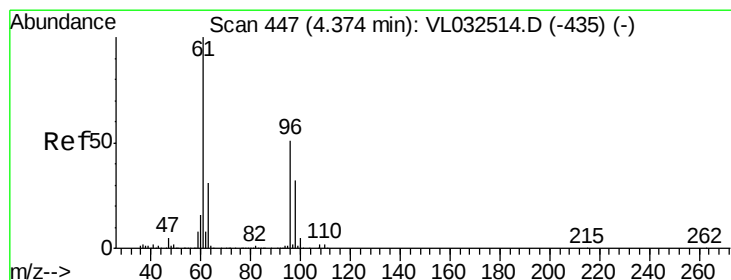
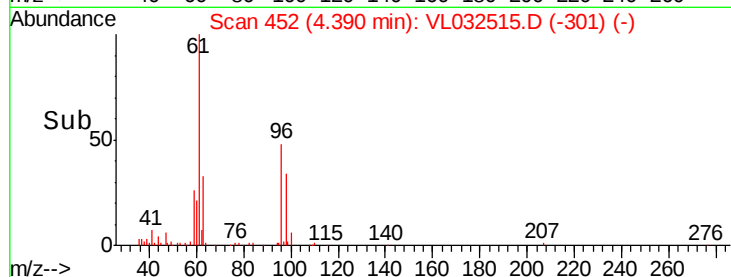
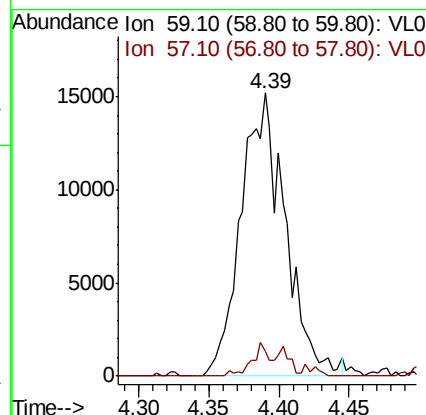
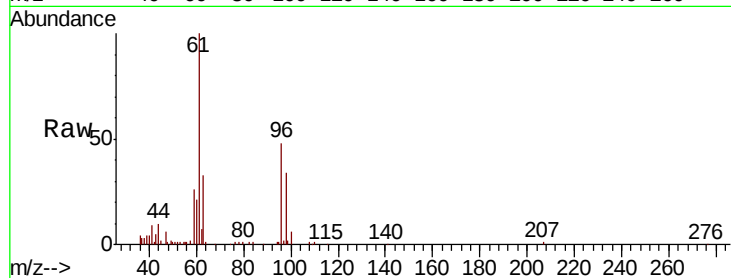
tert-Butyl alcohol
Concen: 1.458 ppbv m
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
59	100	33322		
57	8.6	0.0	0.0	0.0

Manual Integrations
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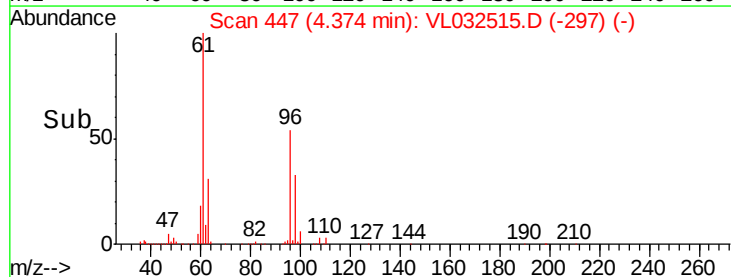
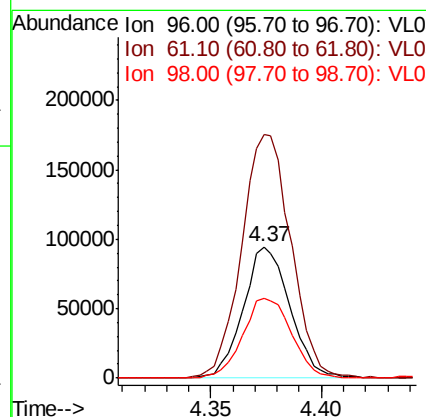
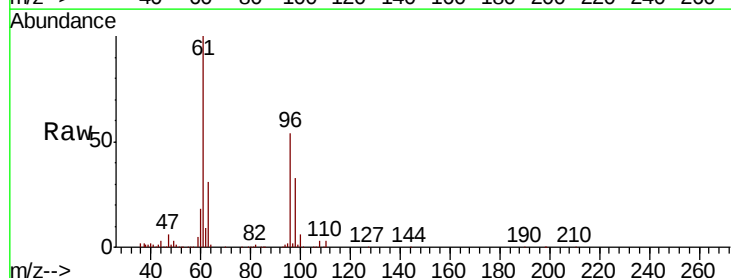
apatel
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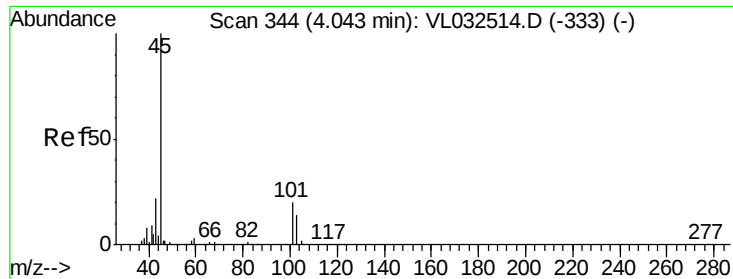


#18

1,1-Dichloroethene
Concen: 2.353 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	138631		
61	183.8	159.2	238.8	
98	60.2	51.0	76.4	





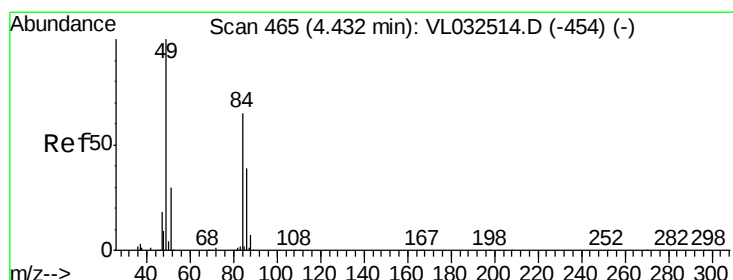
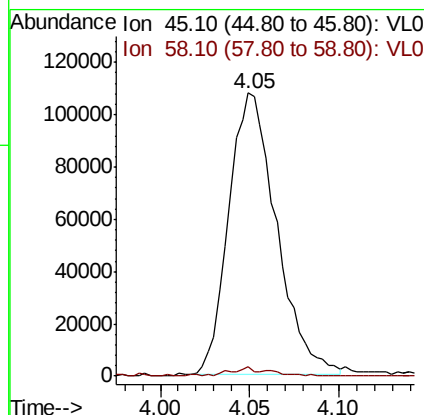
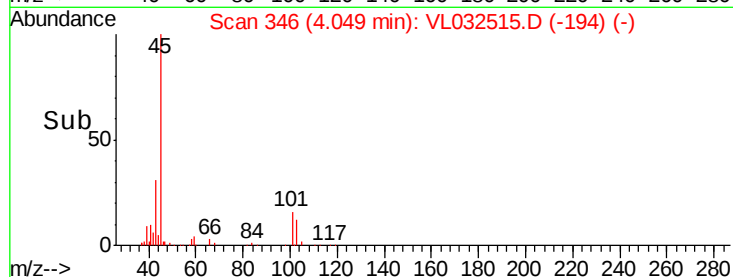
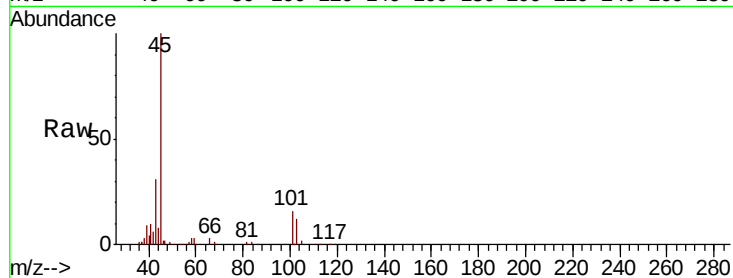
#19
Isopropyl Alcohol
Concen: 2.054 ppbv
RT: 4.05 min Scan# 346
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 200205
Ion Ratio Lower Upper
45 100
58 3.1 2.0 3.0#

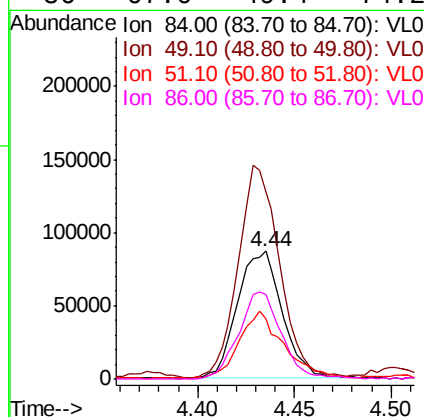
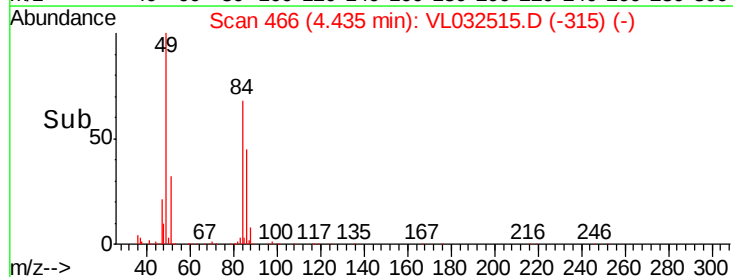
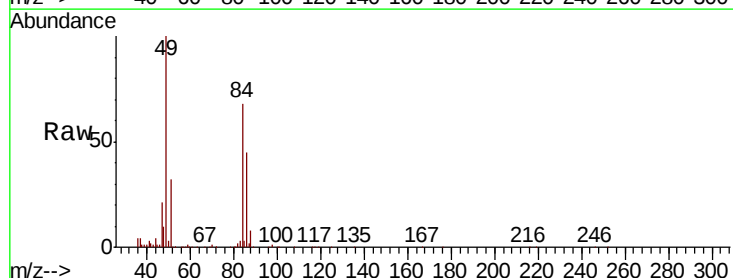
Manual Integrations
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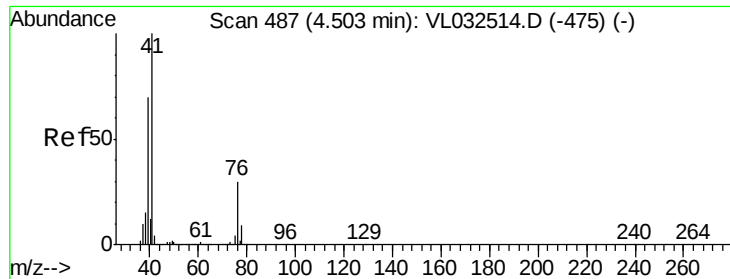
apatel
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#20
Methylene Chloride
Concen: 2.460 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion: 84 Resp: 139322
Ion Ratio Lower Upper
84 100
49 146.4 119.1 178.7
51 46.3 35.2 52.8
86 67.0 49.4 74.2





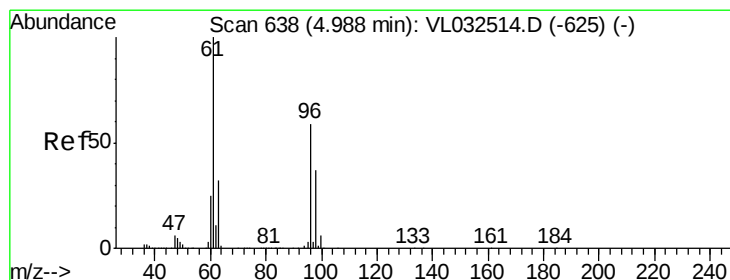
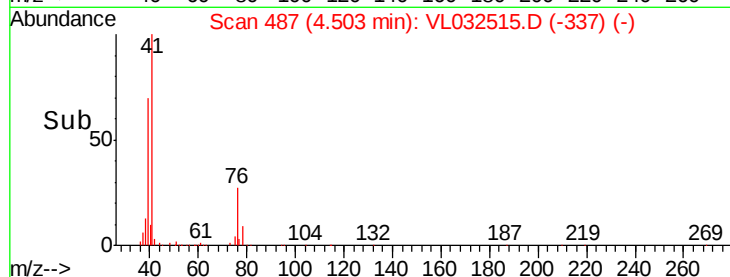
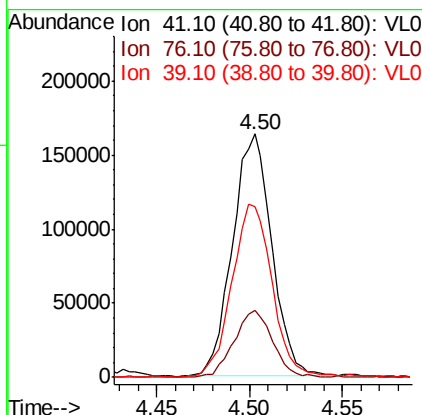
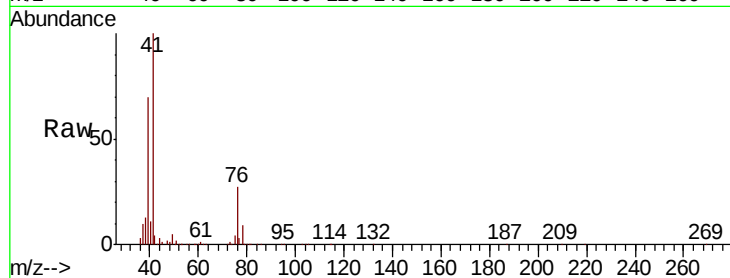
#21
Allvl Chloride
Concen: 2.443 ppbv
RT: 4.50 min Scan# 487
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.3	23.6	35.4
39	73.9	57.7	86.5

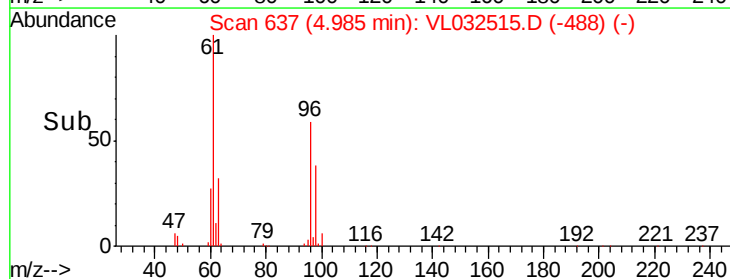
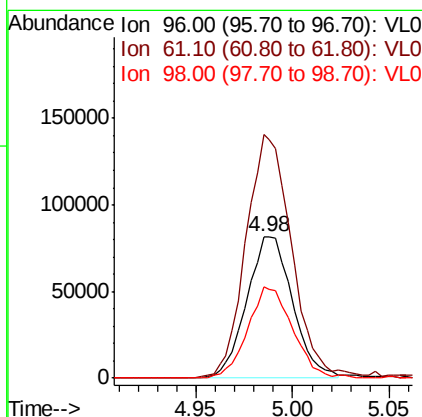
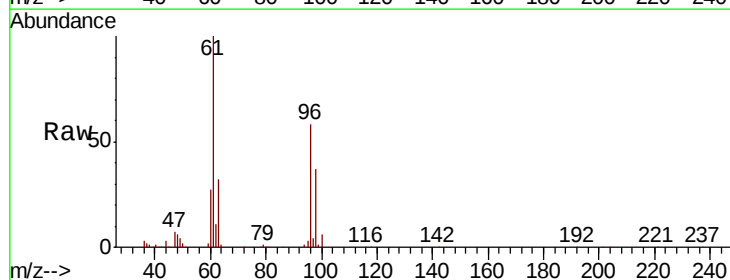
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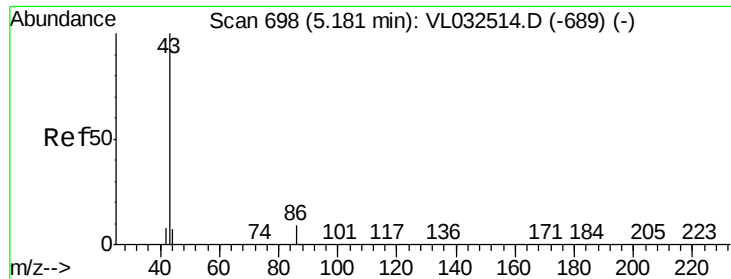
apatel
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#22
trans-1,2-Dichloroethene
Concen: 2.105 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	136.2	204.4
98	64.2	50.4	75.6





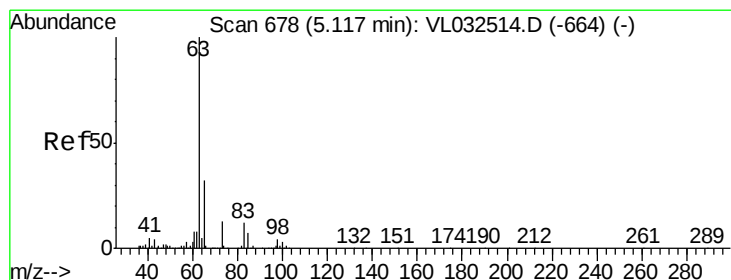
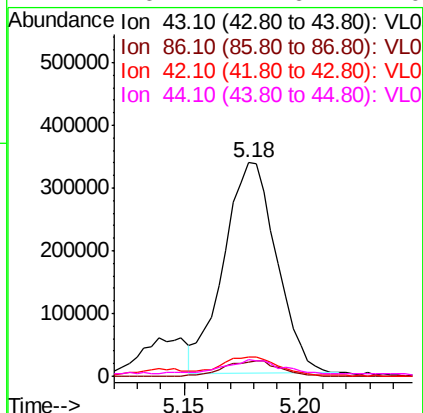
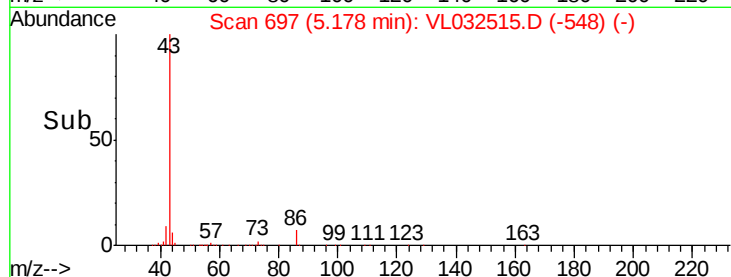
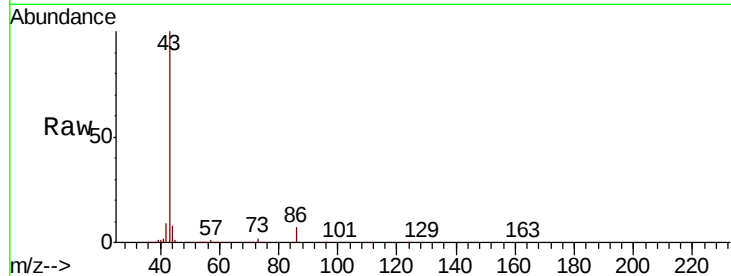
#23
 Vinyl Acetate
 Concen: 2.162 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.9	8.9
42	8.7	6.9	10.3
44	6.7	4.6	7.0

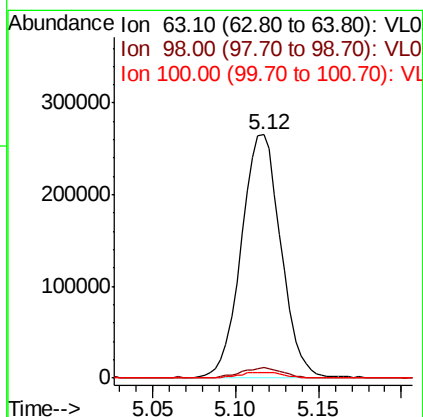
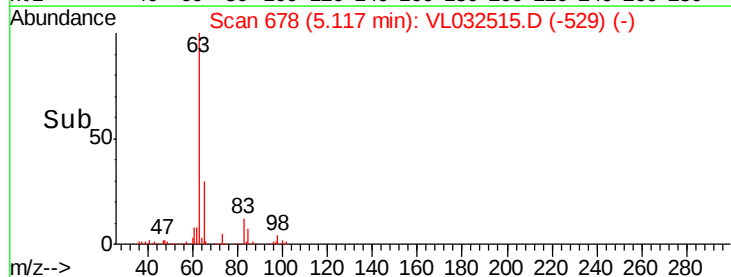
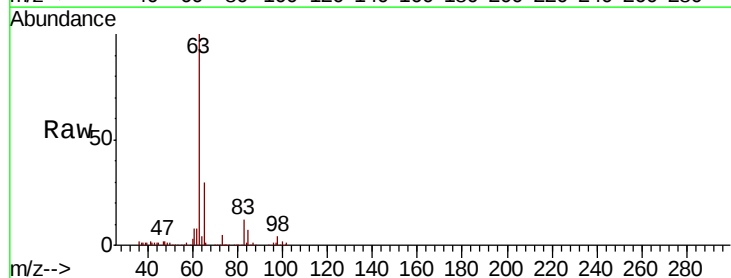
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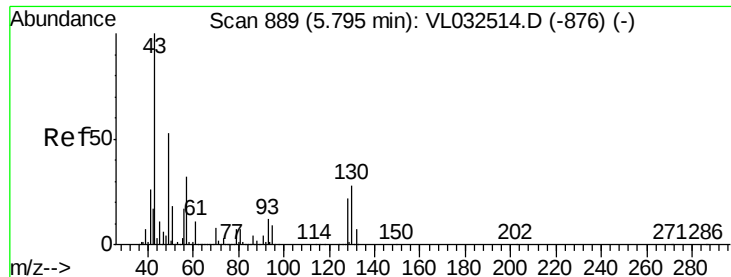
apatel
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#24
 1,1-Dichloroethane
 Concen: 2.170 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	2.3	1.5	4.4





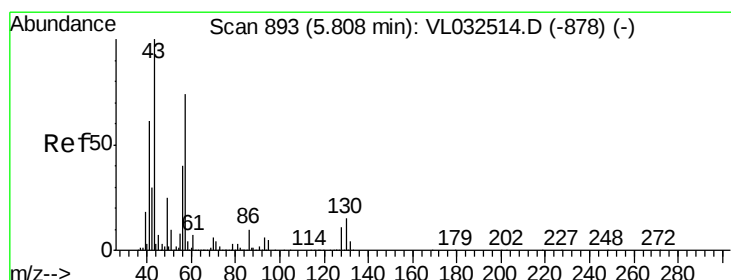
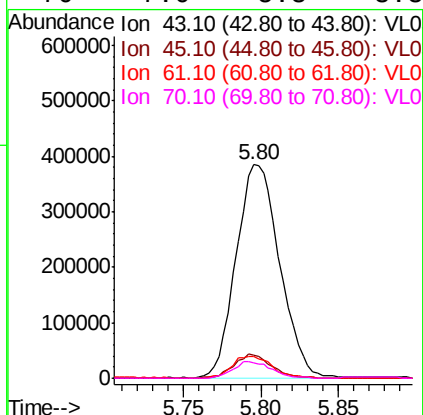
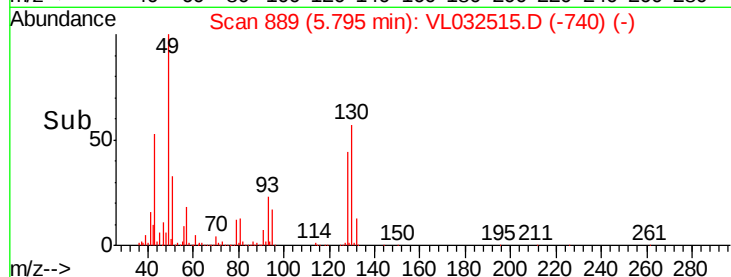
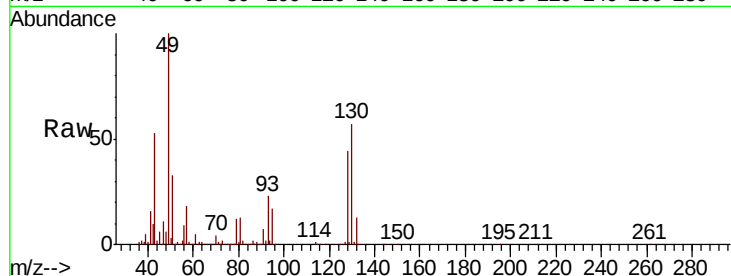
#25
Ethyl Acetate
Concen: 2.146 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.9	8.0	12.0		
61	9.7	7.6	11.4		
70	7.0	5.8	8.8		

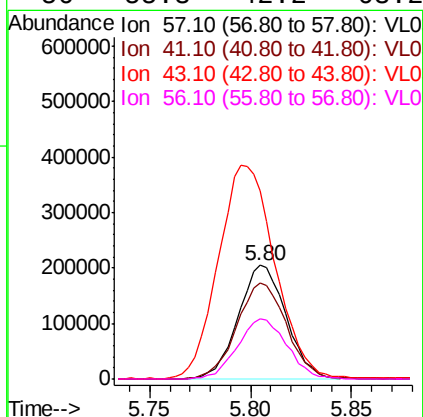
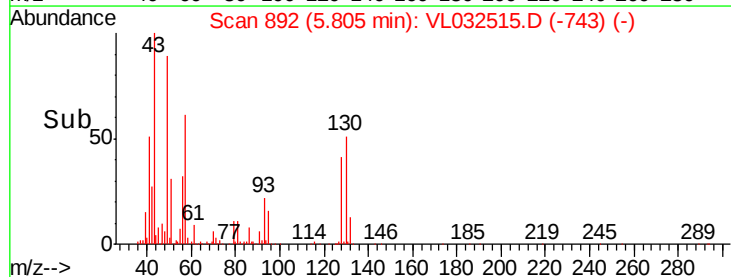
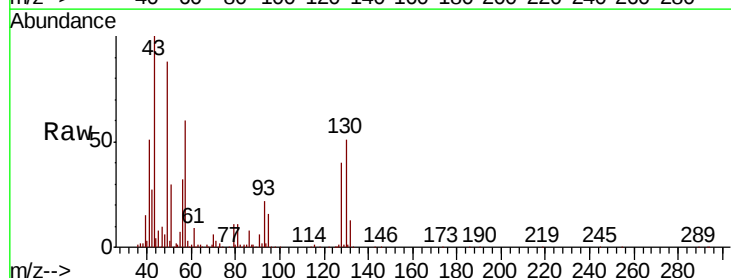
Manual Integrations
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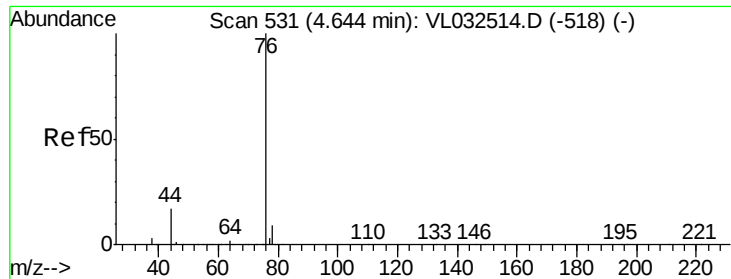
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#26
Hexane
Concen: 2.156 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	90.0	69.0	103.4		
43	223.6	172.1	258.1		
56	55.3	42.2	63.2		





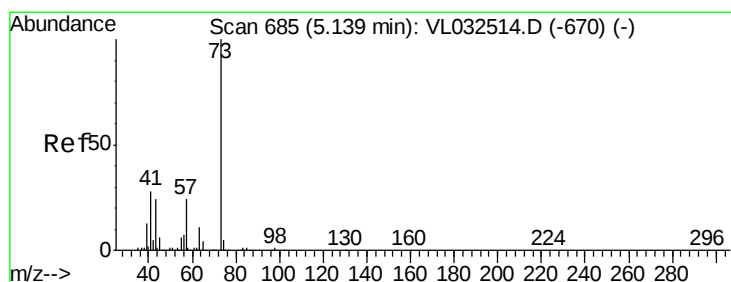
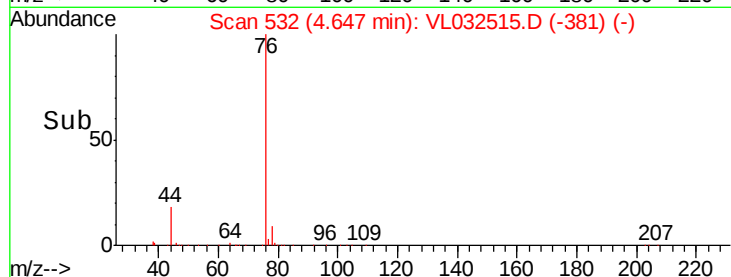
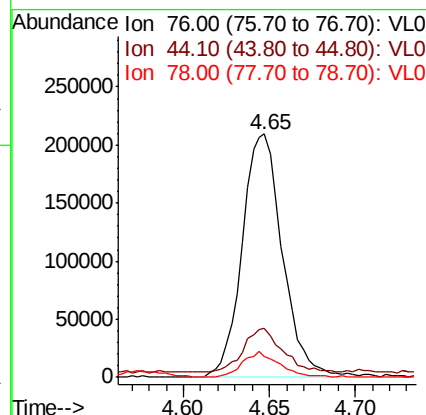
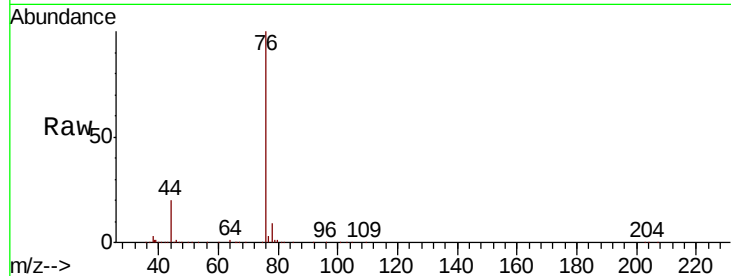
#27
Carbon Disulfide
Concen: 2.351 ppbv
RT: 4.65 min Scan# 532
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.0	14.0	21.0#
78	9.9	7.5	11.3

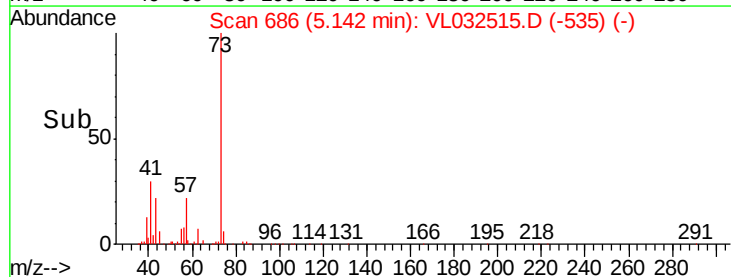
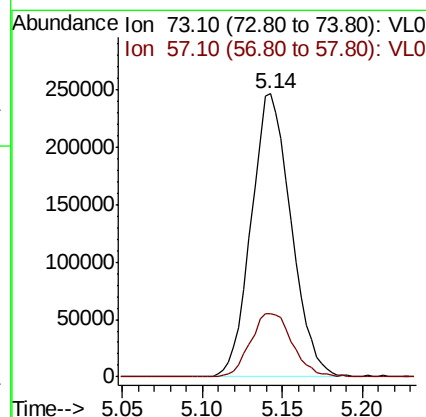
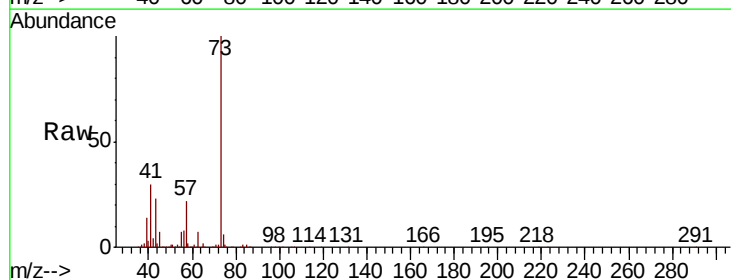
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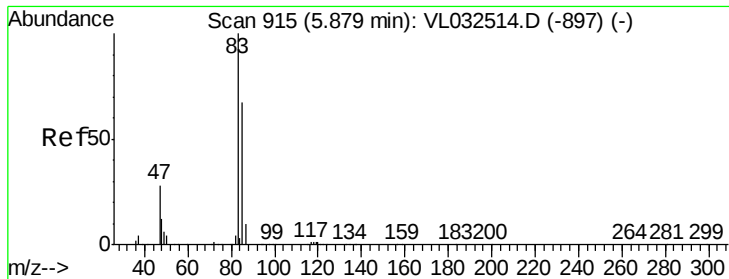
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#28
Methyl tert-Butyl Ether
Concen: 2.186 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9





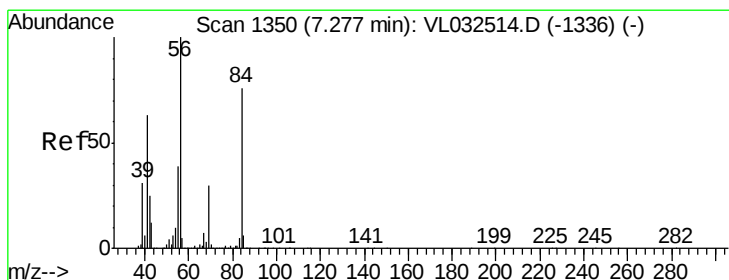
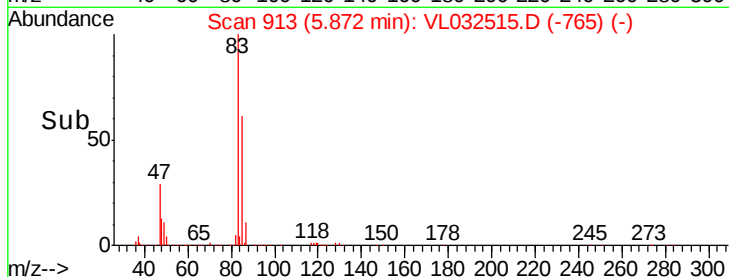
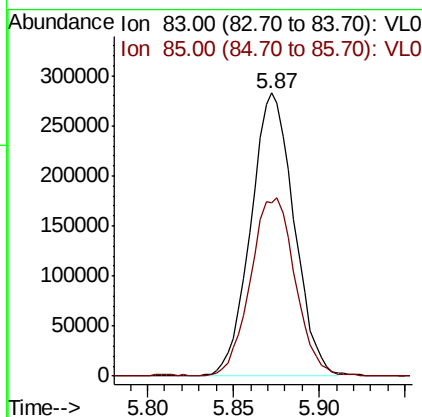
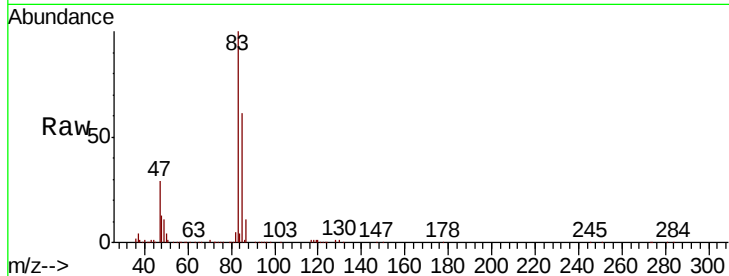
#29
Chloroform
Concen: 2.059 ppbv
RT: 5.87 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	493118
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	52.5	78.7

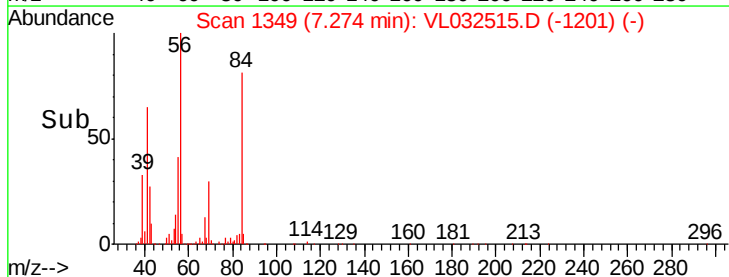
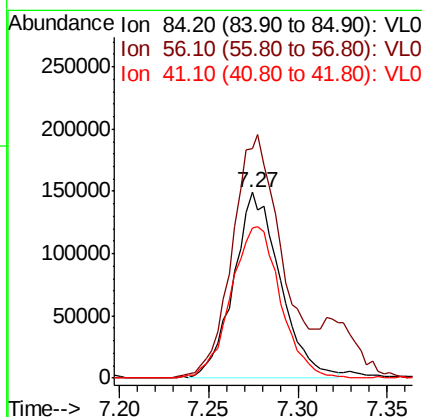
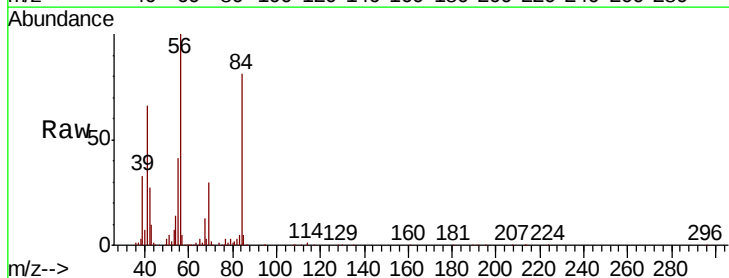
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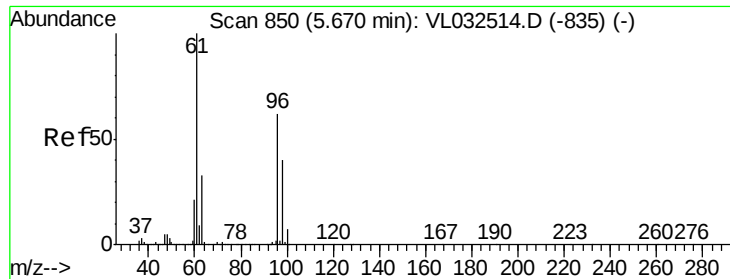
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#30
Cyclohexane
Concen: 2.340 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	84	Resp	269102
Ion Ratio	100	Lower	Upper
84	100		
56	166.3	113.5	170.3
41	87.5	68.1	102.1





#31

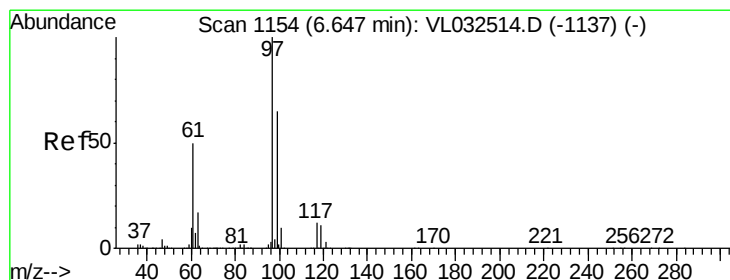
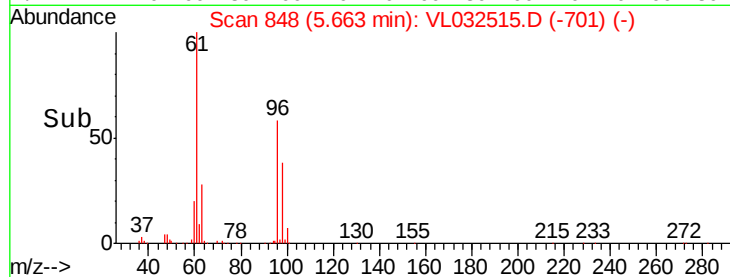
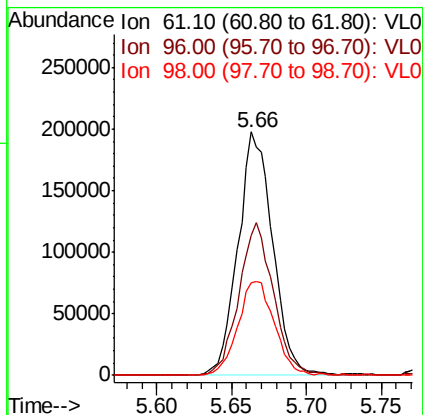
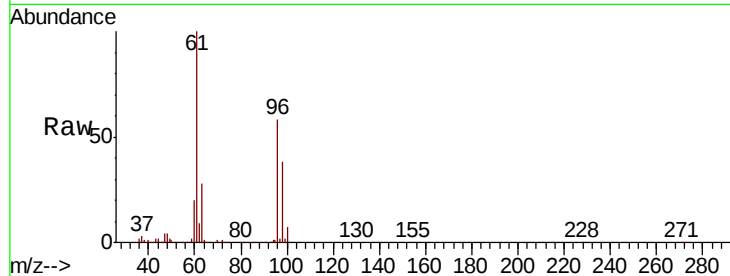
cis-1,2-Dichloroethene
 Concen: 2.244 ppbv
 RT: 5.66 min Scan# 848
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	61	Resp	319212
Ion	Ratio	Lower	Upper
61	100		
96	57.7	49.2	73.8
98	38.2	30.7	46.1

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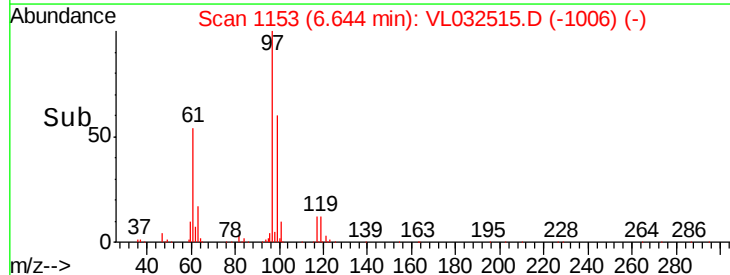
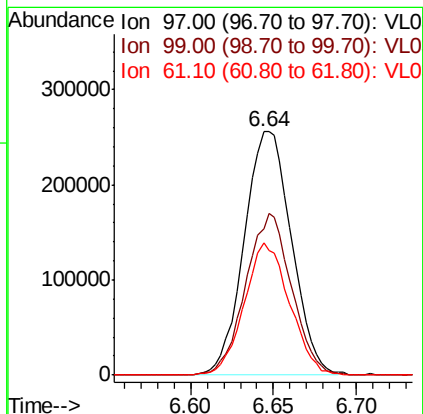
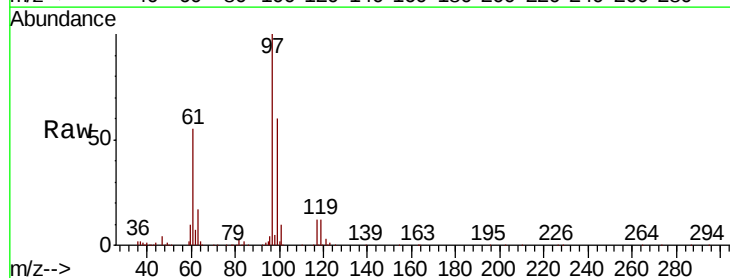
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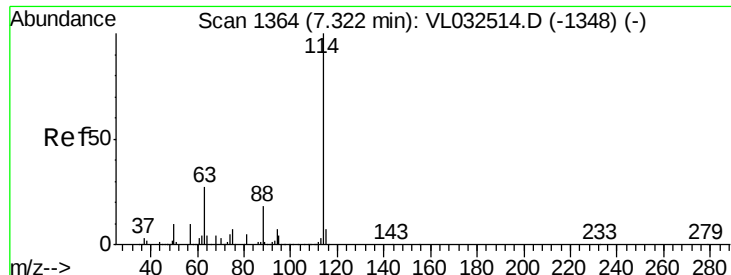


#32

1,1,1-Trichloroethane
 Concen: 2.275 ppbv
 RT: 6.64 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	97	Resp	507779
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	52.1	42.5	63.7





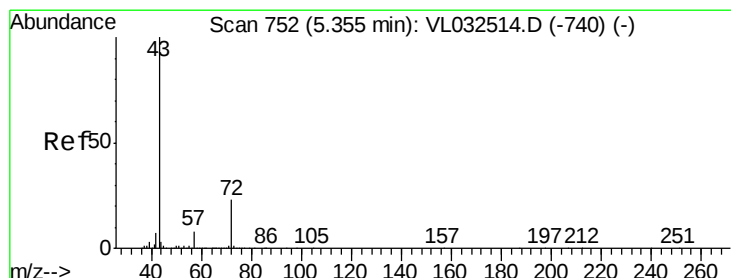
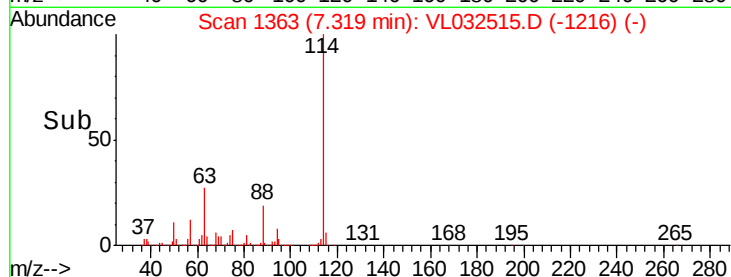
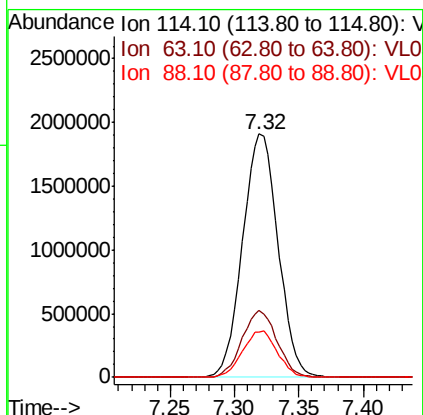
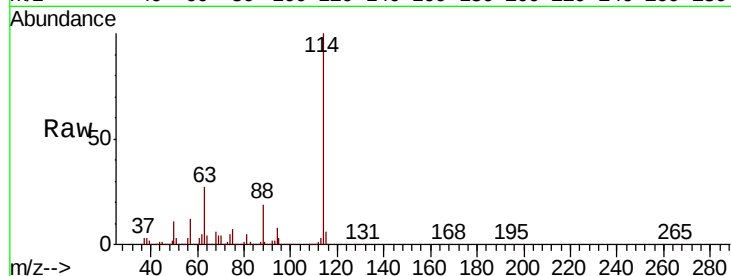
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 3658464
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.4
 88 18.9 15.0 22.4

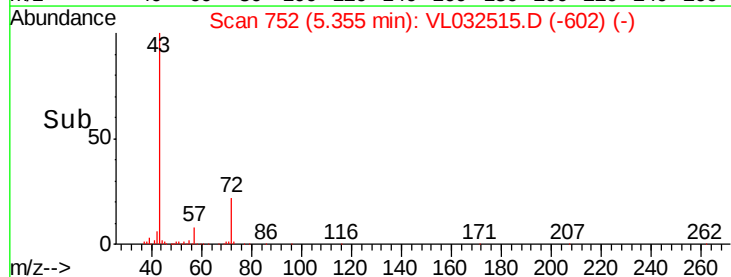
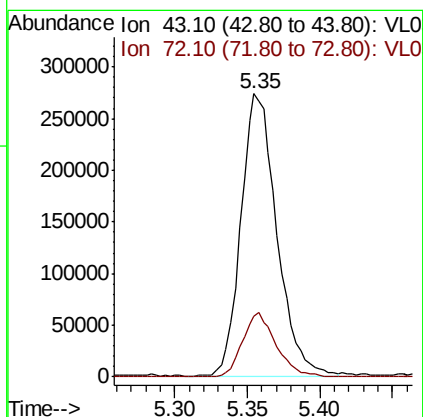
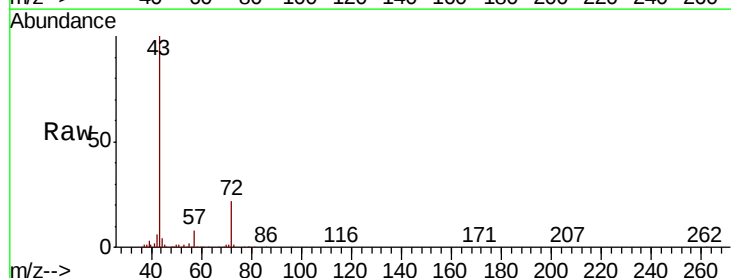
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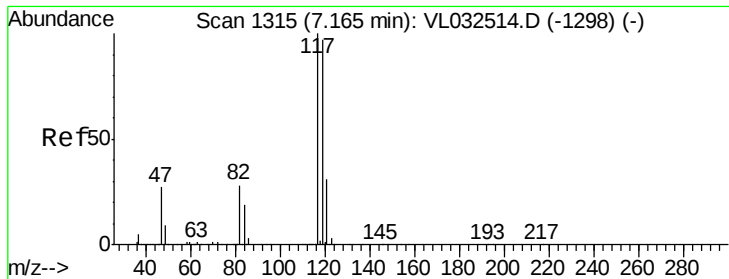
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#34
 2-Butanone
 Concen: 1.935 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion: 43 Resp: 470207
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.8 26.6





#35

Carbon Tetrachloride

Concen: 1.920 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

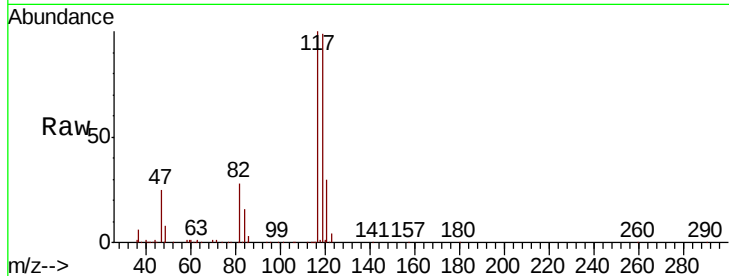
ClientSampleId :

VSTDIC002

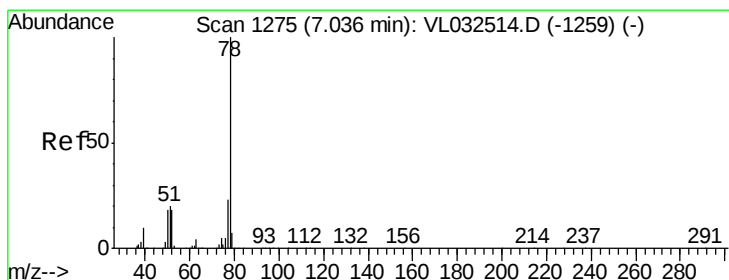
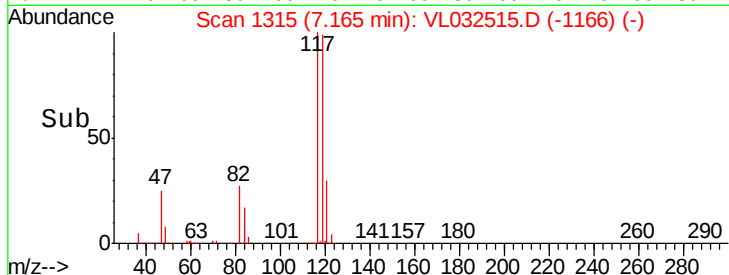
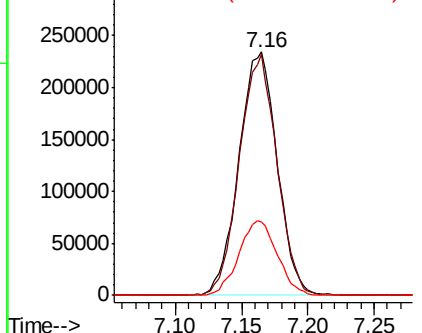
Tot Ion:	117	Resp:	472081
Ion Ratio	Lower	Upper	
117	100		
119	99.2	76.6	115.0
121	30.2	24.6	36.8

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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: 2.028 ppbv

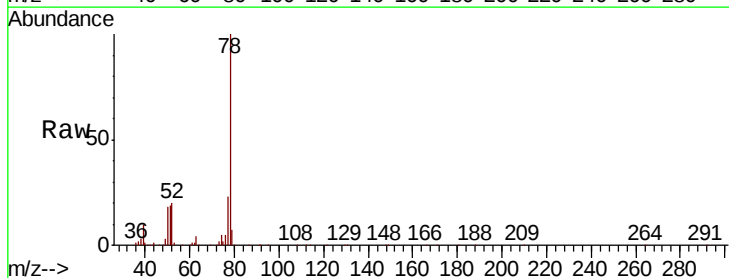
RT: 7.03 min Scan# 1274

Delta R.T. -0.02 min

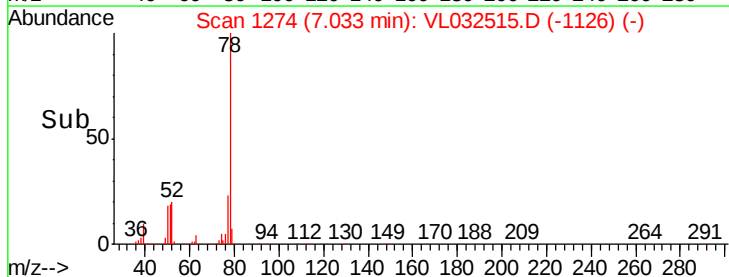
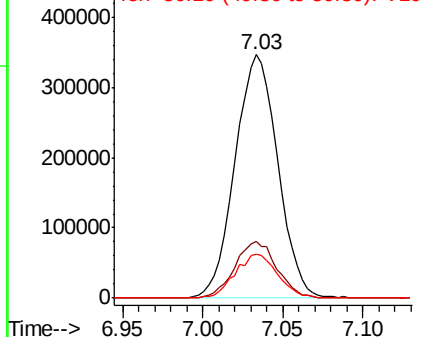
Lab File: VL032515.D

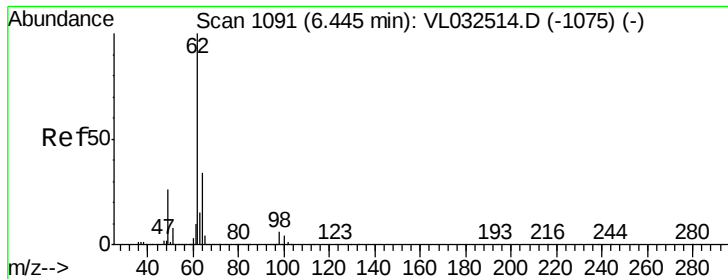
Acq: 24 Sep 2018 17:07

Tgt Ion:	78	Resp:	631273
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.4	27.6
50	18.2	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





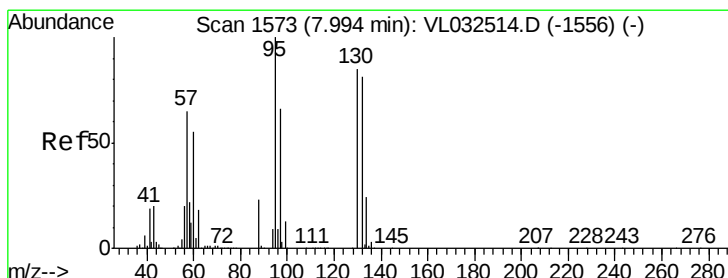
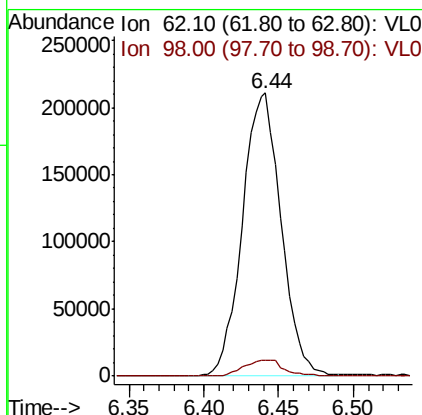
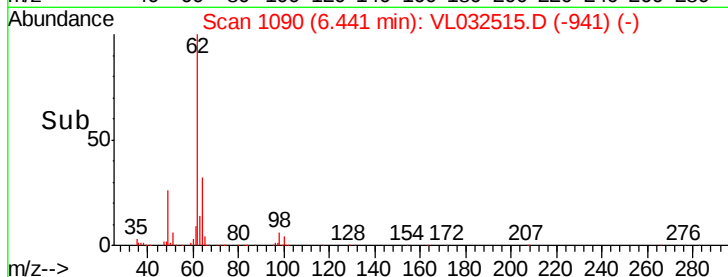
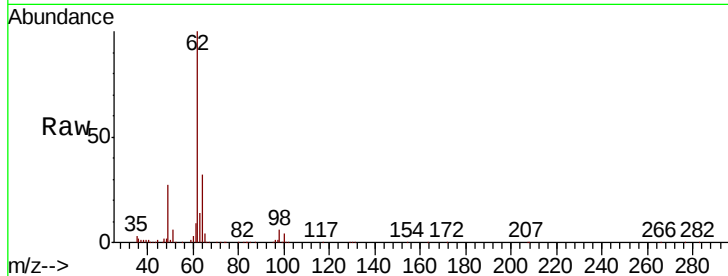
#37
 1,2-Dichloroethane
 Concen: 1.991 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	379837		
98	6.0		5.0	7.6

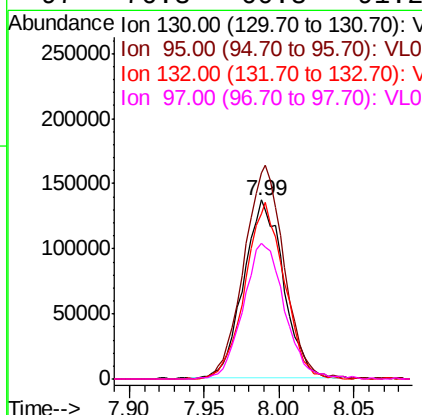
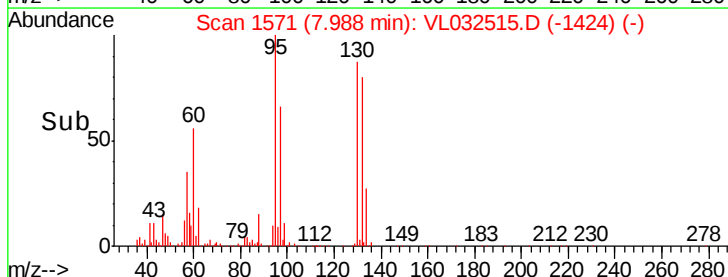
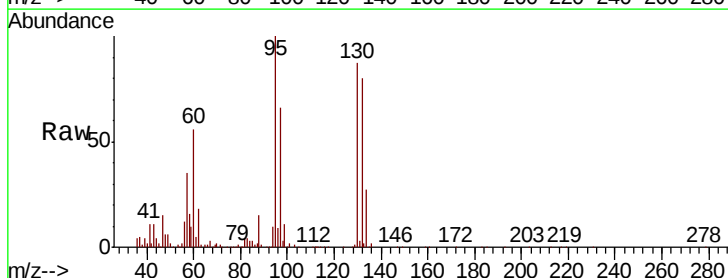
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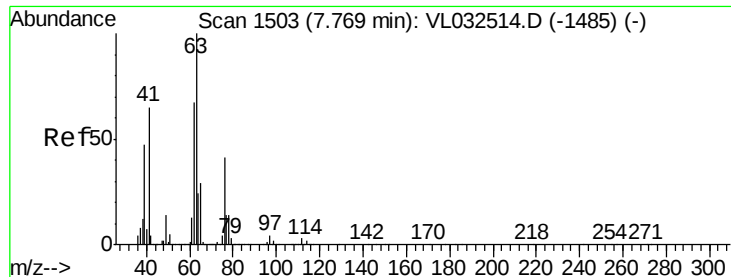
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#38
 Trichloroethene
 Concen: 2.144 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	253599		
95	115.8		94.2	141.4
132	92.4		76.2	114.4
97	76.3		60.8	91.2





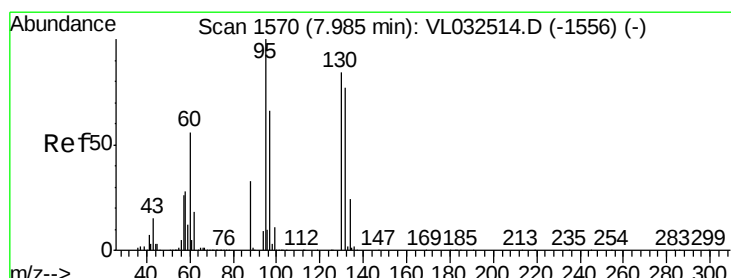
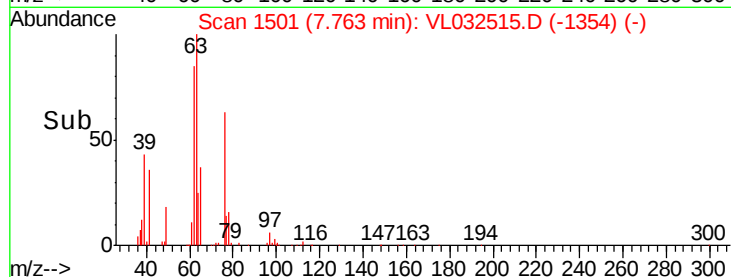
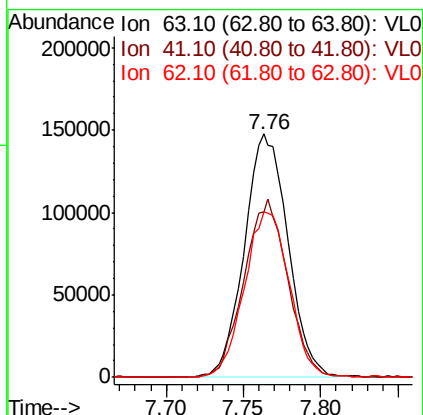
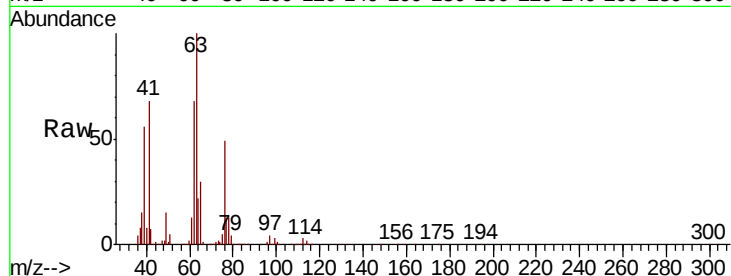
#39
 1,2-Dichloropropane
 Concen: 2.167 ppbv
 RT: 7.76 min Scan# 1501
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.0	55.4	83.0
62	67.6	55.4	83.0

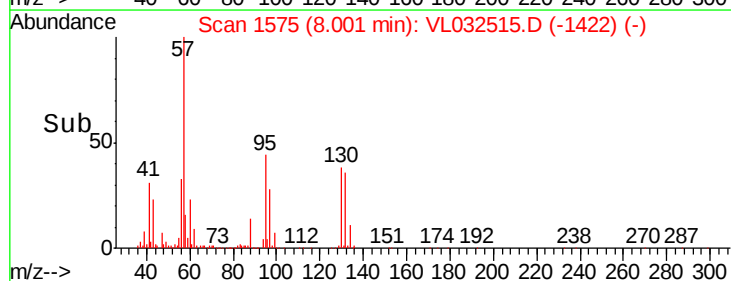
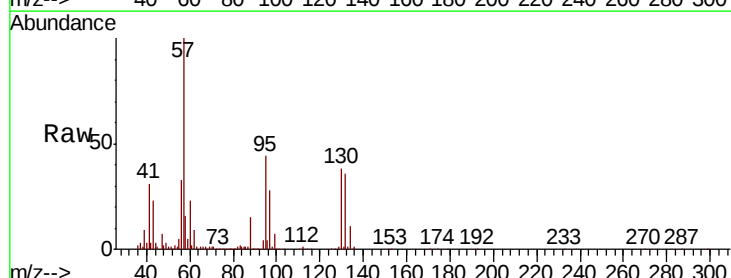
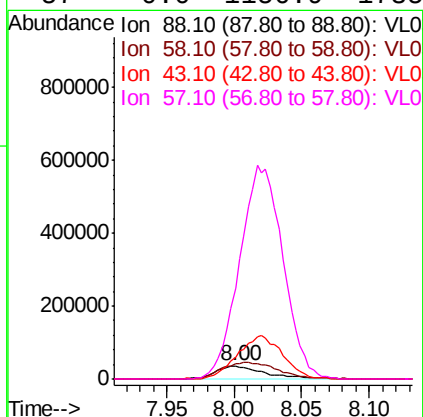
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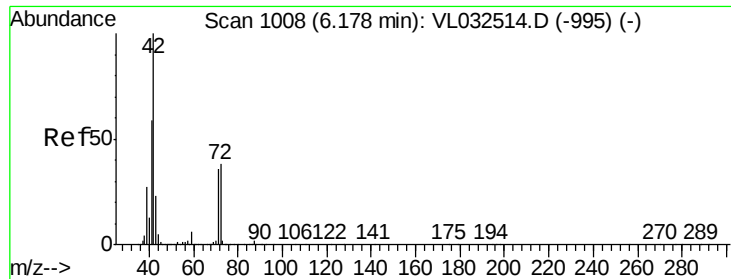
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#40
 1,4-Dioxane
 Concen: 2.260 ppbv m
 RT: 8.00 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	149.0	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





#41

Tetrahydrofuran

Concen: 2.007 ppbv

RT: 6.18 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

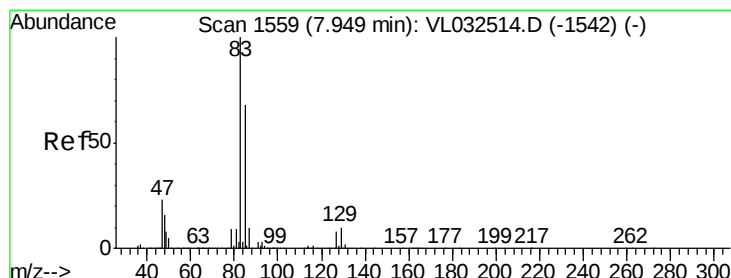
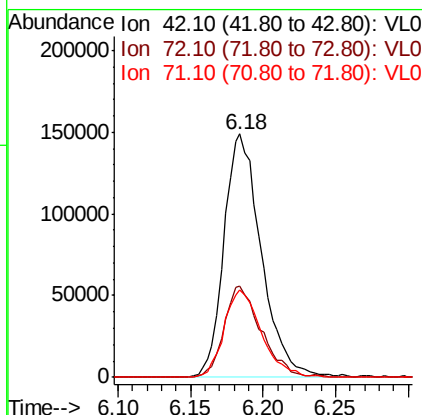
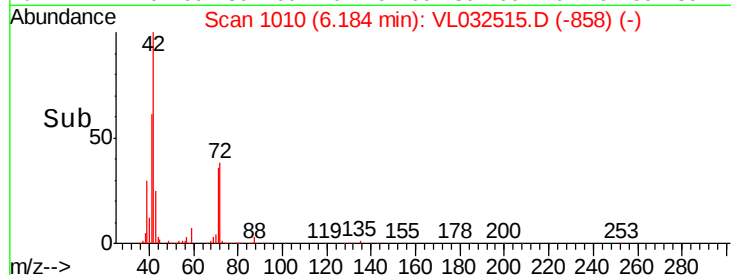
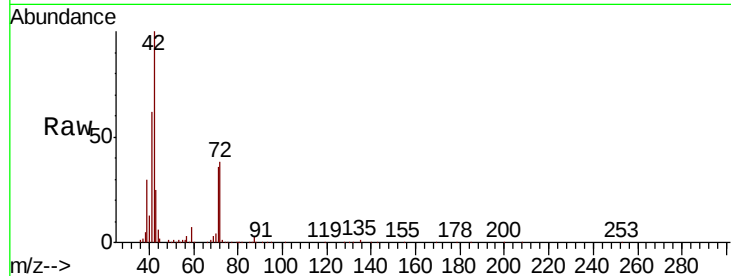
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	265573
Ion Ratio		Lower	Upper
42	100		
72	37.6	29.5	44.3
71	36.1	28.3	42.5

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#42

Bromodichloromethane

Concen: 2.154 ppbv

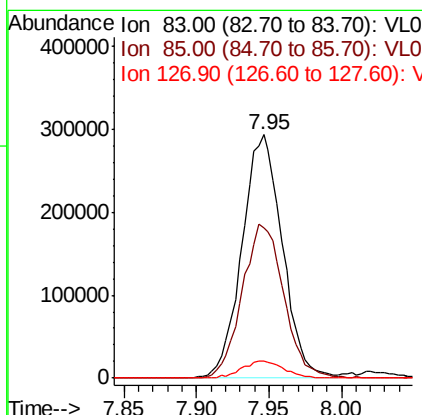
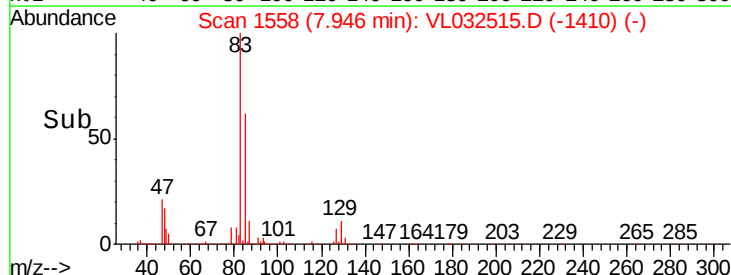
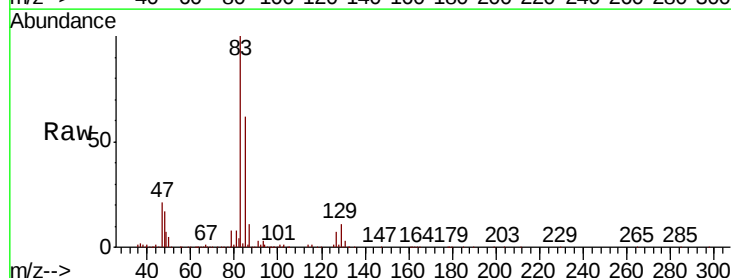
RT: 7.95 min Scan# 1558

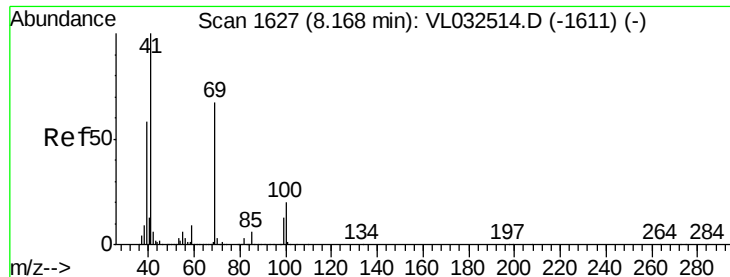
Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	83	Resp:	566875
Ion Ratio		Lower	Upper
83	100		
85	61.7	51.1	76.7
127	7.2	5.8	8.8





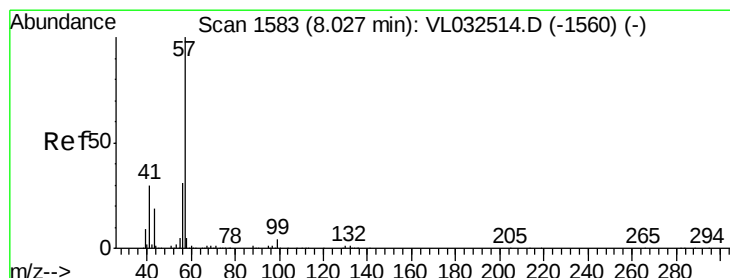
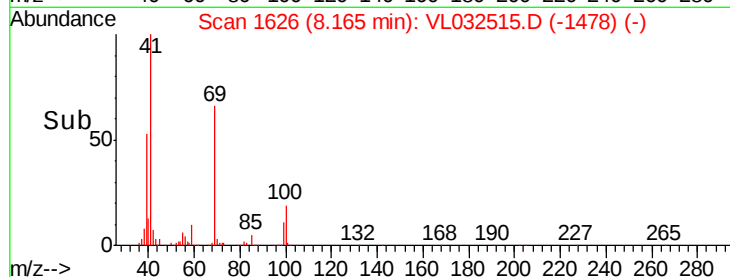
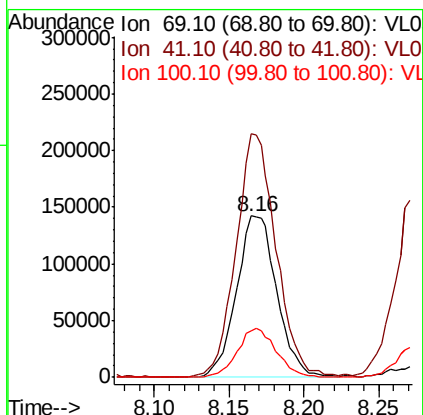
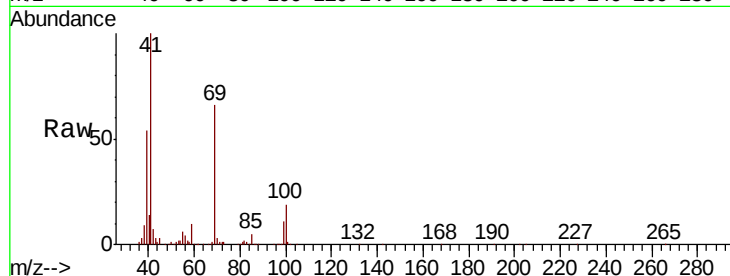
#43
Methvl Methacrilate
Concen: 2.020 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.6	117.1	175.7
100	29.4	23.4	35.2

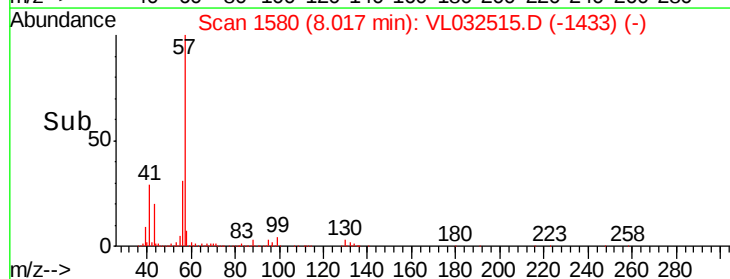
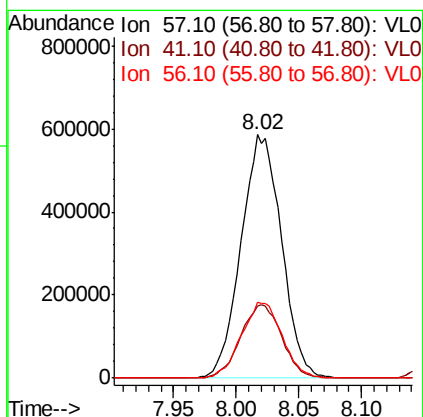
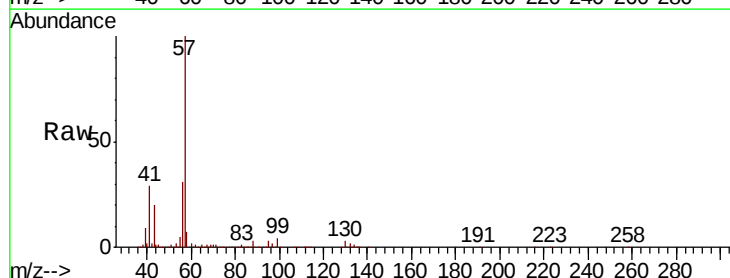
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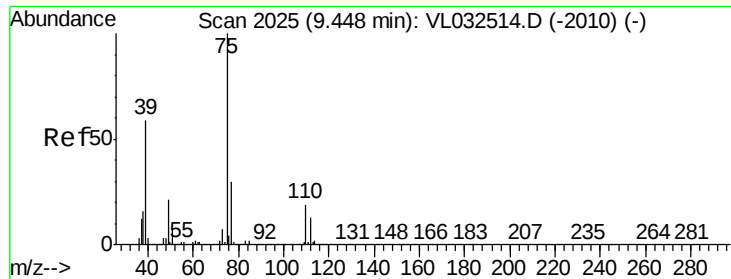
apatel
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#44
2,2,4-Trimethylpentane
Concen: 2.179 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.6	24.4	36.6
56	31.5	25.7	38.5





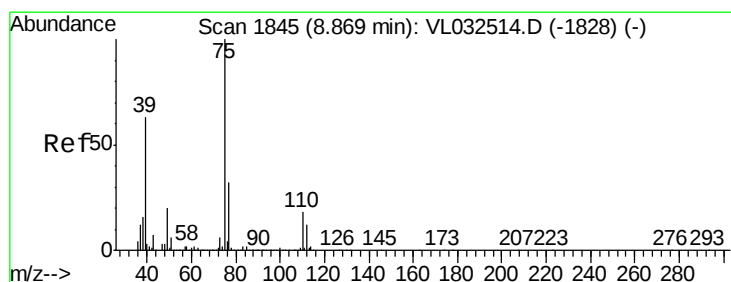
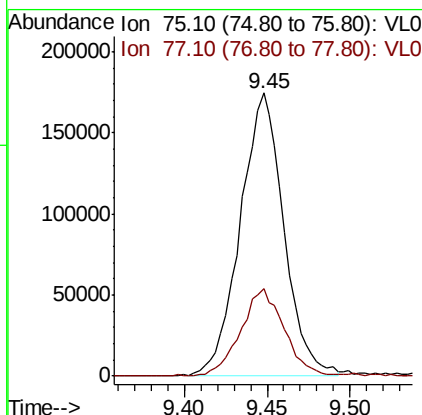
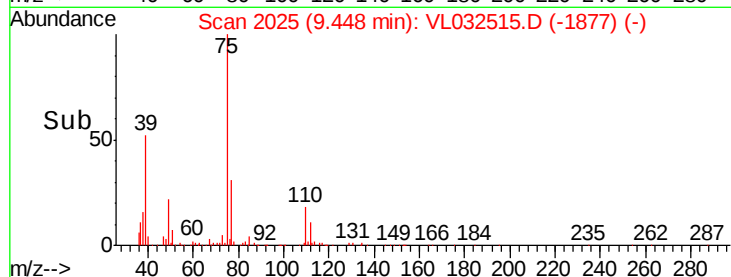
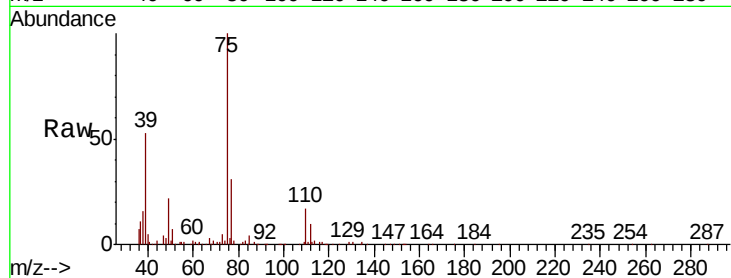
#45
t-1,3-Dichloropropene
Concen: 2.233 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.2

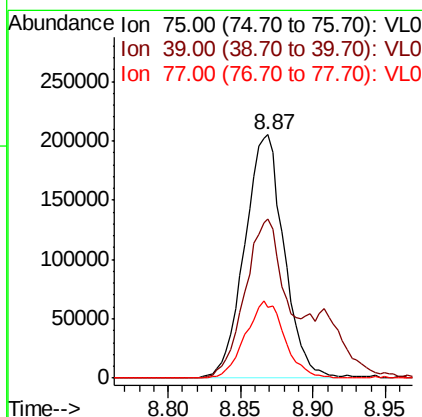
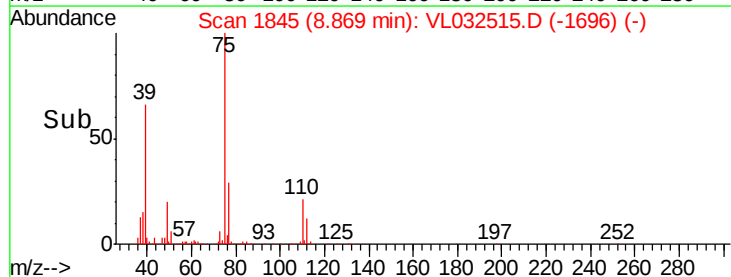
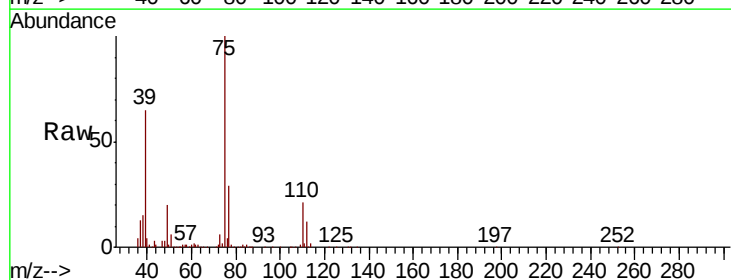
Manual Integrations
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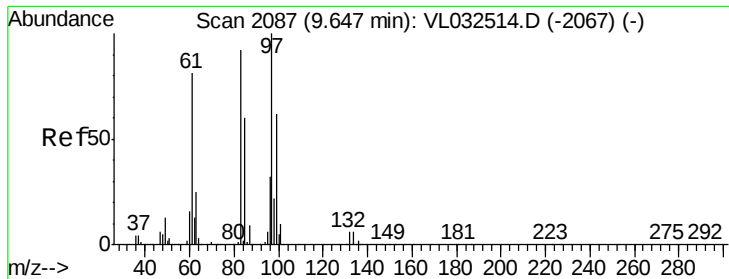
apatel
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#46
cis-1,3-Dichloropropene
Concen: 2.146 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.02 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
39	65.1	48.9	73.3
77	29.0	25.4	38.0





#47

1,1,2-Trichloroethane

Concen: 2.209 ppbv

RT: 9.64 min Scan# 2086

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

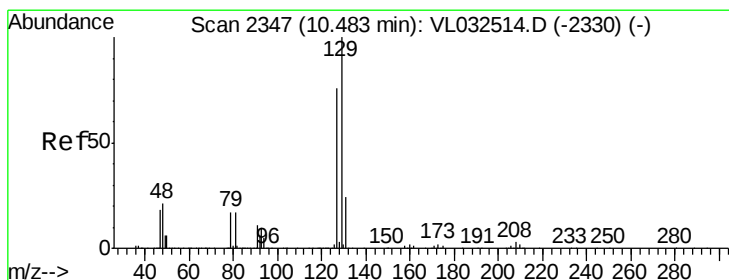
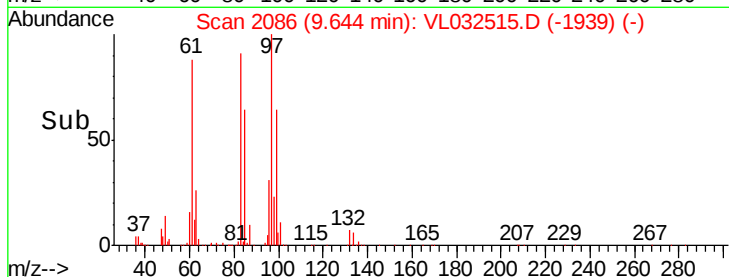
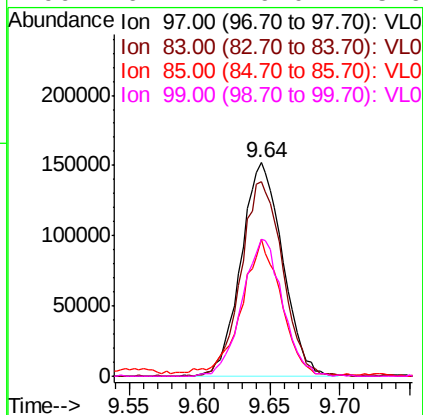
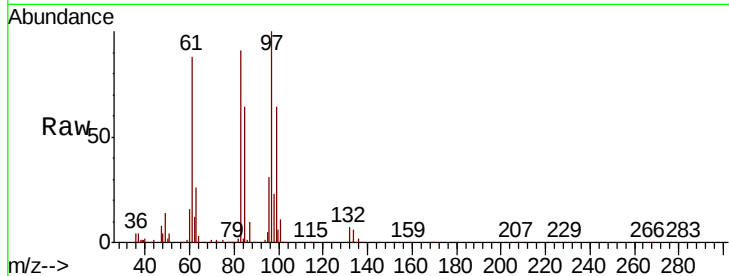
VSTDIC002

Tot Ion:	97	Resp:	312820
Ion	Ratio	Lower	Upper
97	100		
83	91.1	75.0	112.4
85	64.1	47.5	71.3
99	64.1	49.0	73.6

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#48

Dibromochloromethane

Concen: 2.534 ppbv

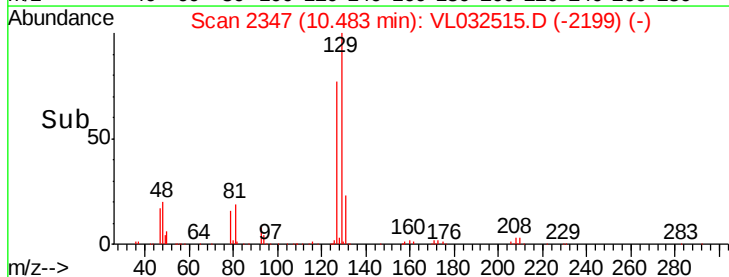
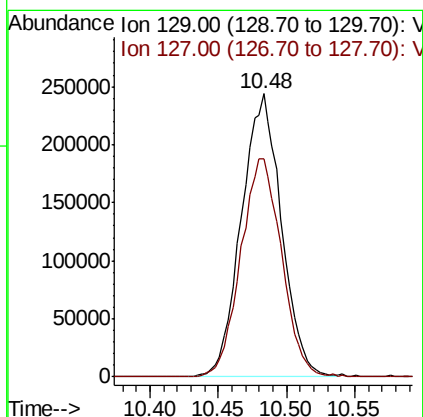
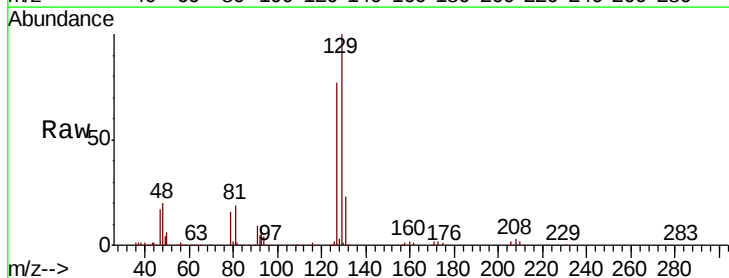
RT: 10.48 min Scan# 2347

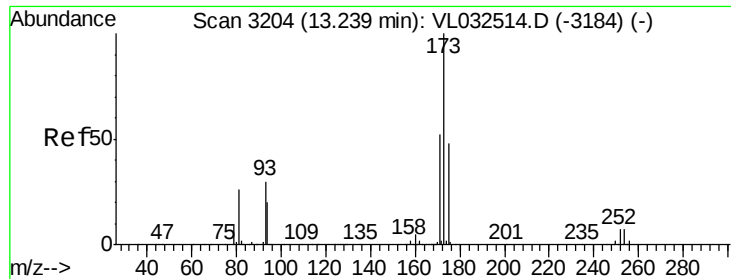
Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	129	Resp:	497124
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3





#49

Bromoform

Concen: 2.240 ppbv

RT: 13.23 min Scan# 3202

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

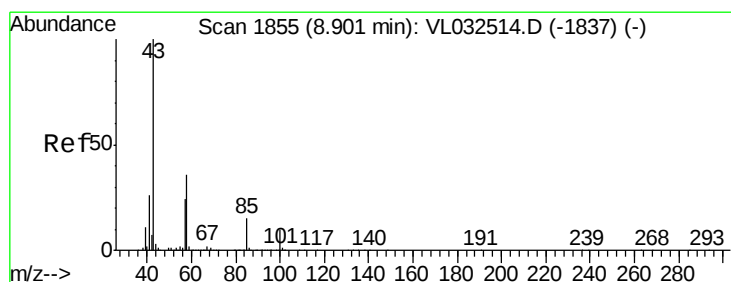
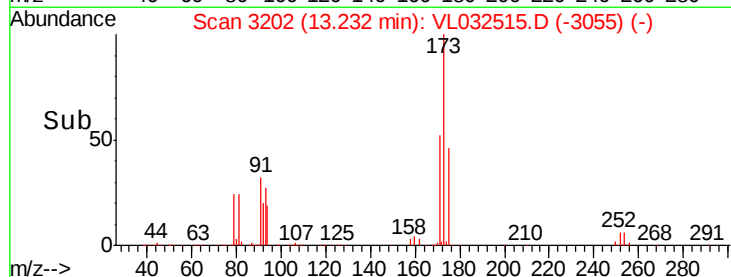
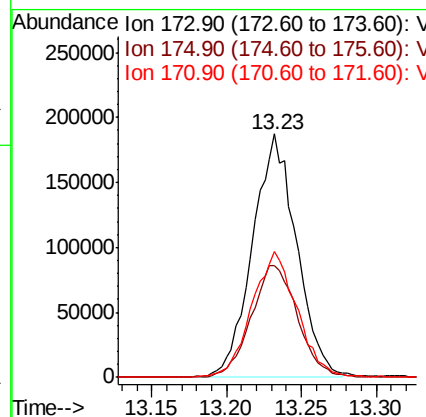
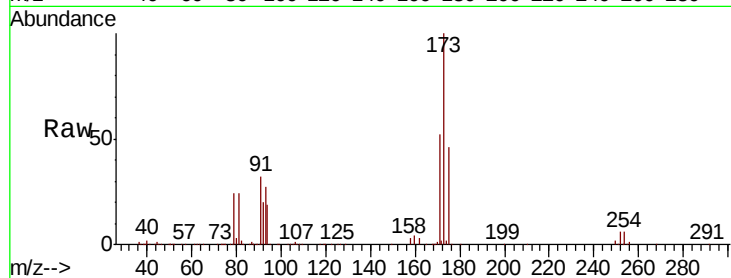
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	381873
Ion Ratio	Lower	Upper	
173	100		
175	48.5	38.9	58.3
171	53.1	41.6	62.4

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#50

4-Methyl-2-Pentanone

Concen: 2.123 ppbv

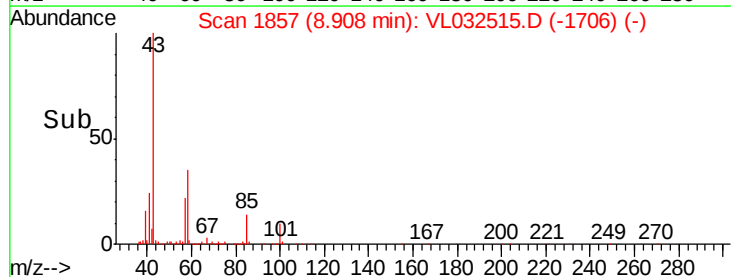
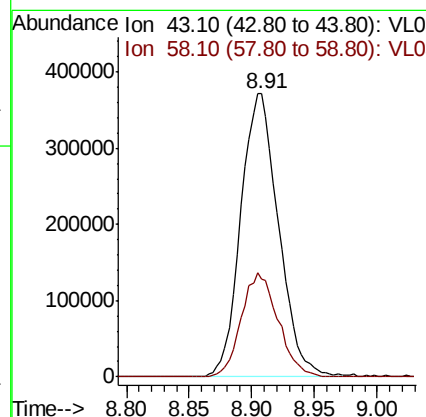
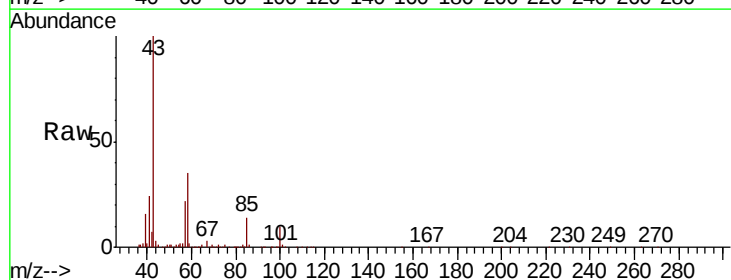
RT: 8.91 min Scan# 1857

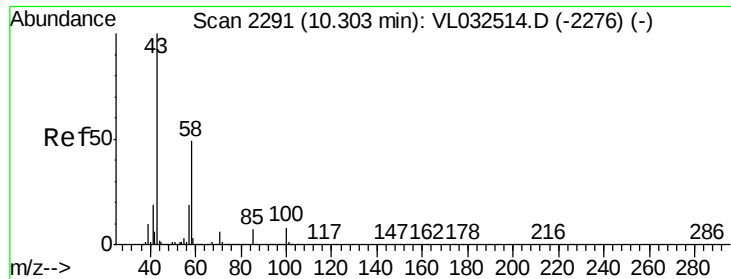
Delta R.T. -0.01 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	43	Resp:	777207
Ion Ratio	Lower	Upper	
43	100		
58	36.0	29.0	43.4





#51

2-Hexanone

Concen: 2.739 ppbv

RT: 10.31 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

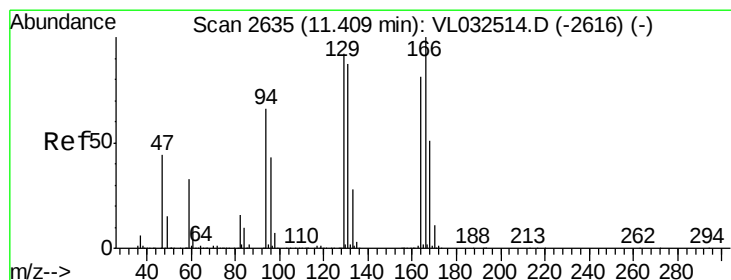
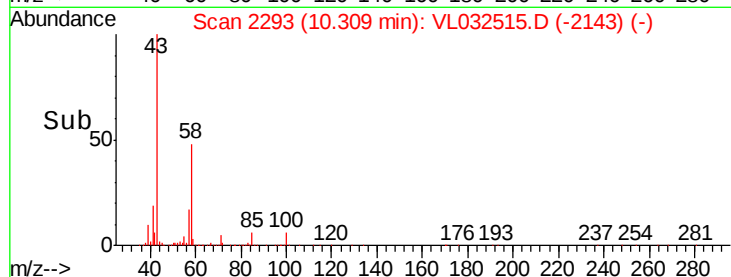
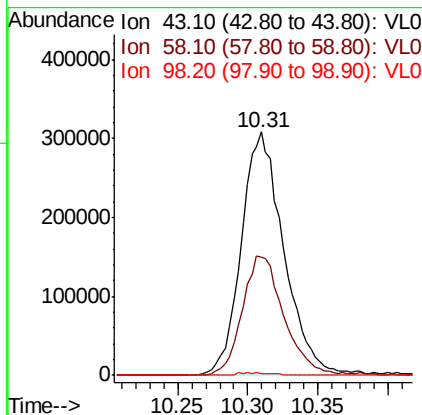
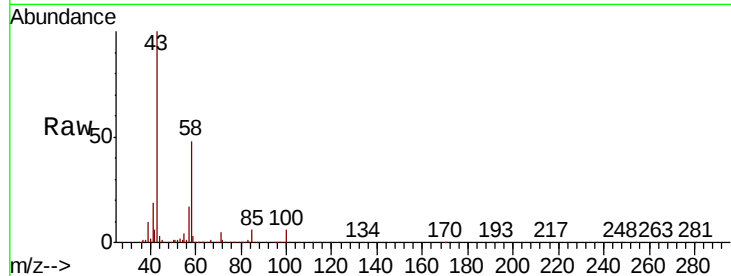
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	645811
Ion Ratio	Lower	Upper	
43	100		
58	48.7	39.2	58.8
98	1.1	0.4	0.6#

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#52

Tetrachloroethene

Concen: 2.246 ppbv

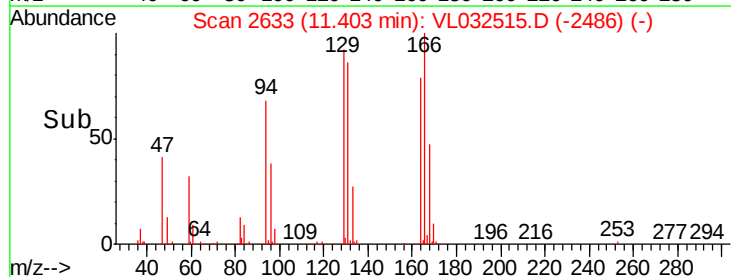
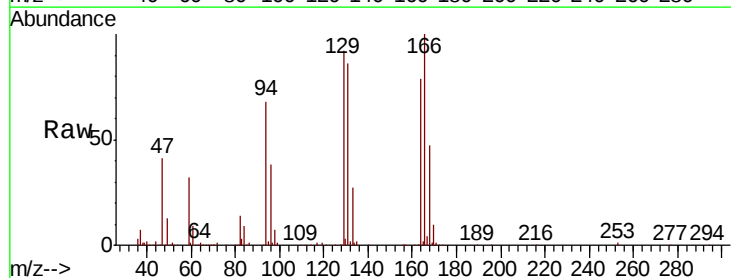
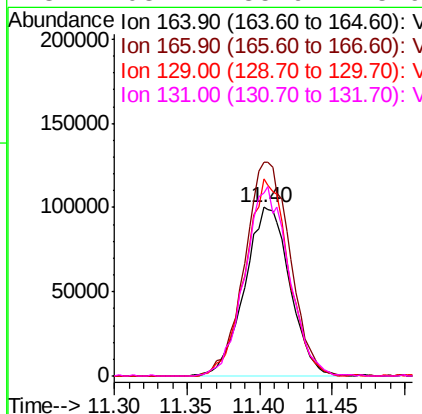
RT: 11.40 min Scan# 2633

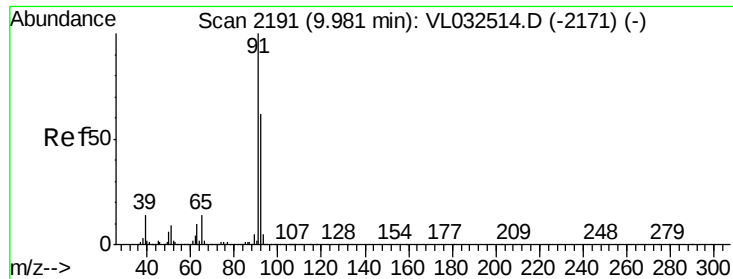
Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	164	Resp:	216856
Ion Ratio	Lower	Upper	
164	100		
166	126.5	100.6	150.8
129	116.7	89.9	134.9
131	108.7	85.9	128.9





#53

Toluene

Concen: 2.463 ppbv

RT: 9.97 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 801423

Ion Ratio Lower Upper

91 100

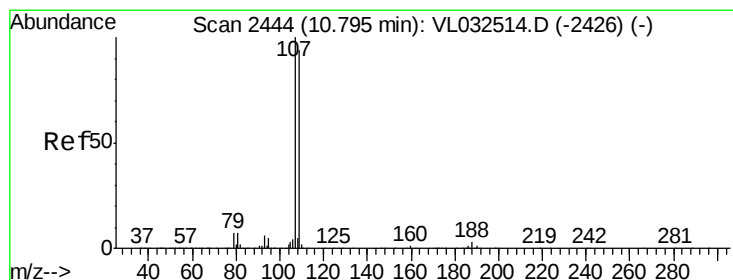
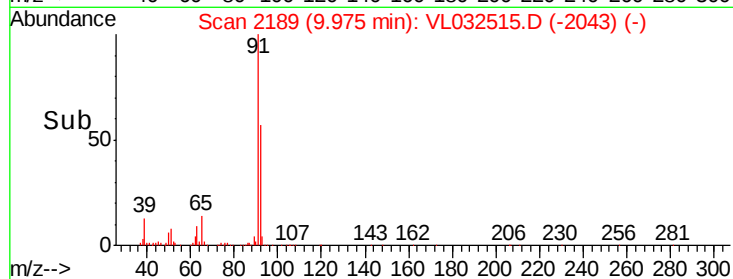
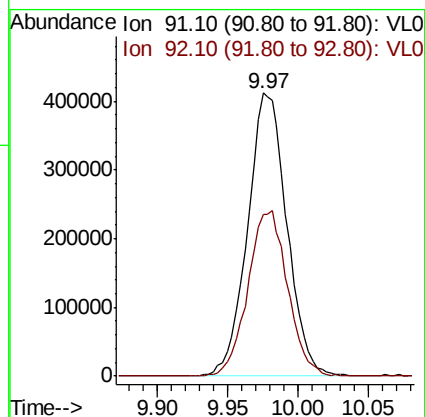
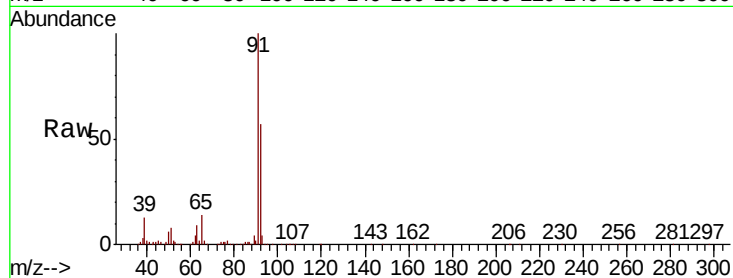
92 59.1 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 2.376 ppbv

RT: 10.79 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL032515.D

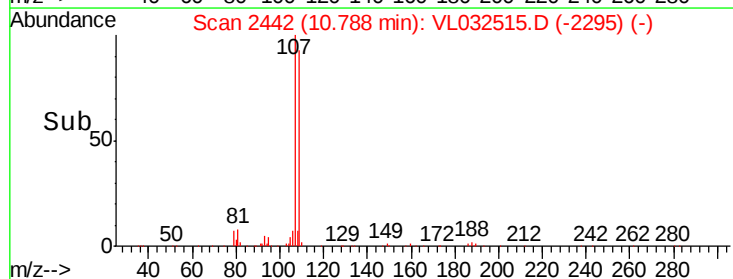
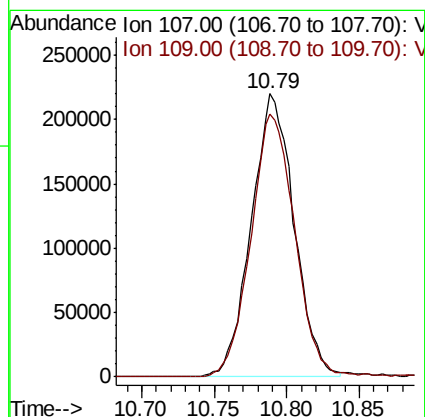
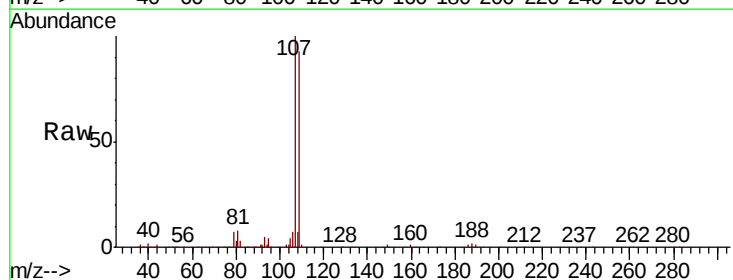
Acq: 24 Sep 2018 17:07

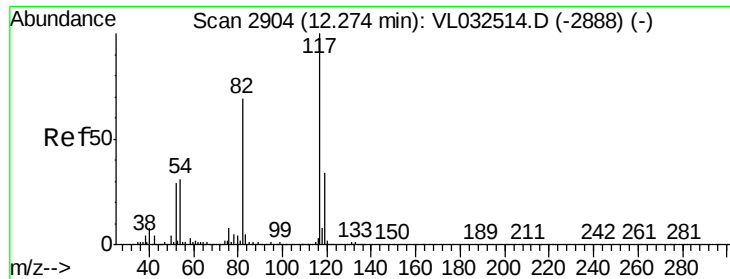
Tgt Ion: 107 Resp: 451853

Ion Ratio Lower Upper

107 100

109 93.0 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 3739238

Ion Ratio Lower Upper

117 100

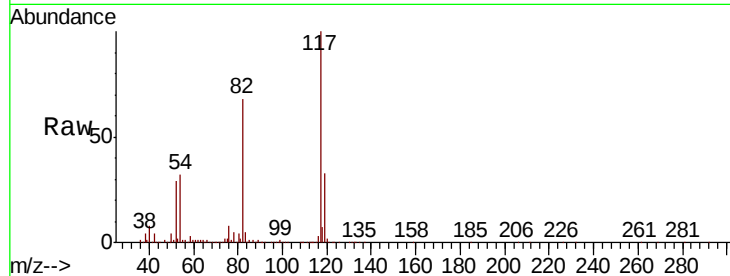
82 64.5 53.0 79.6

119 36.6 45.9 68.9#

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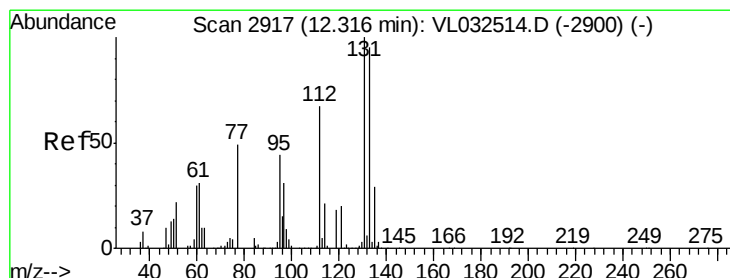
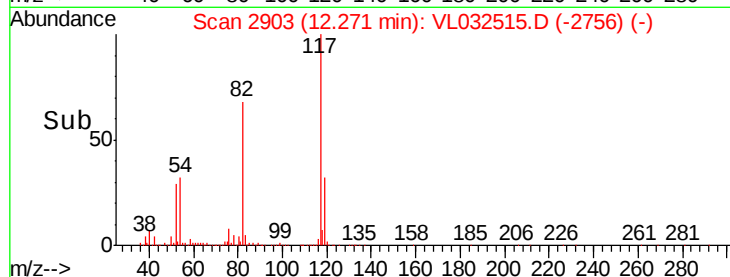
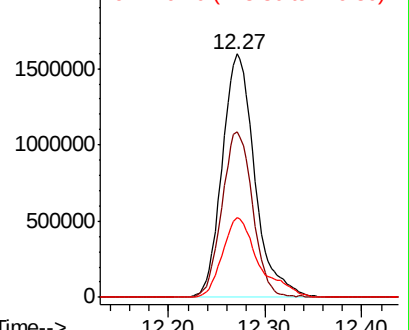
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.073 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

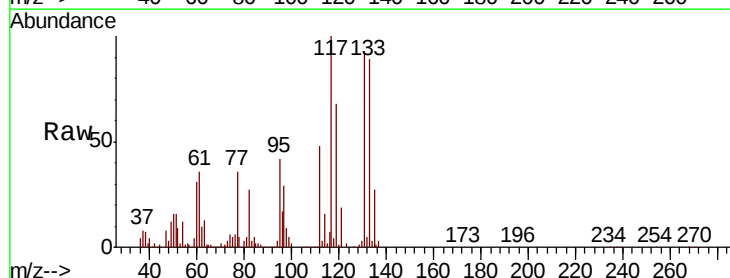
Tgt Ion:131 Resp: 349422

Ion Ratio Lower Upper

131 100

133 96.7 77.0 115.4

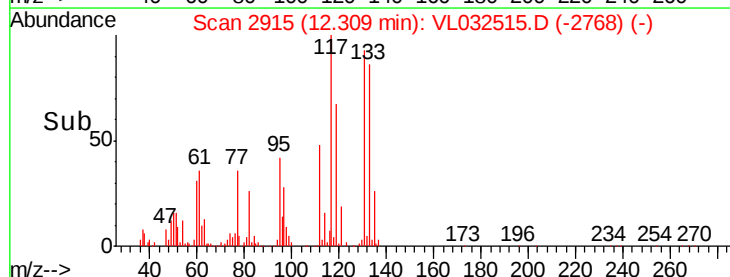
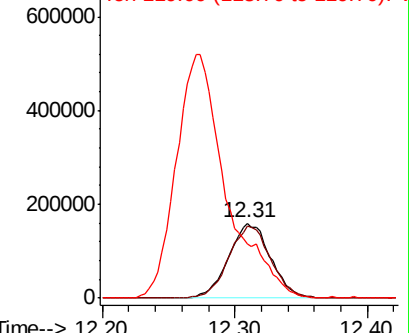
119 392.1 114.2 171.2#

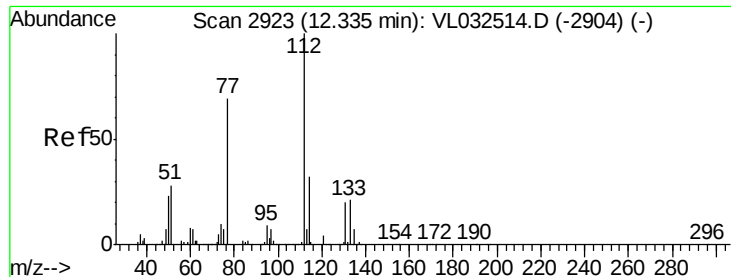


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 2.144 ppbv

RT: 12.33 min Scan# 2921

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

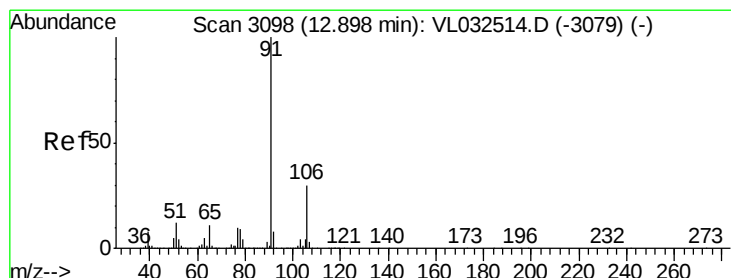
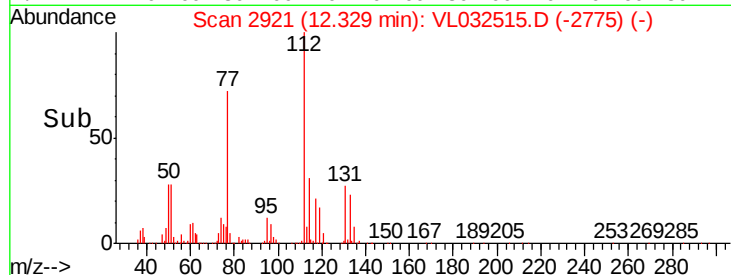
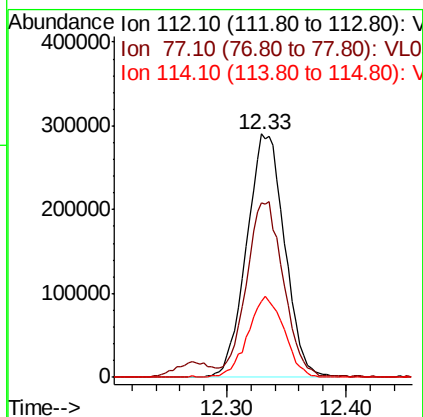
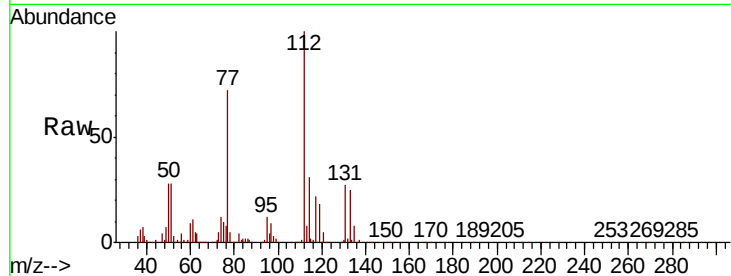
VSTDIC002

Tot Ion:	112	Resp:	640655
Ion Ratio	Lower	Upper	
112	100		
77	71.1	56.1	84.1
114	31.0	27.8	34.0

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#58

Ethyl Benzene

Concen: 2.262 ppbv

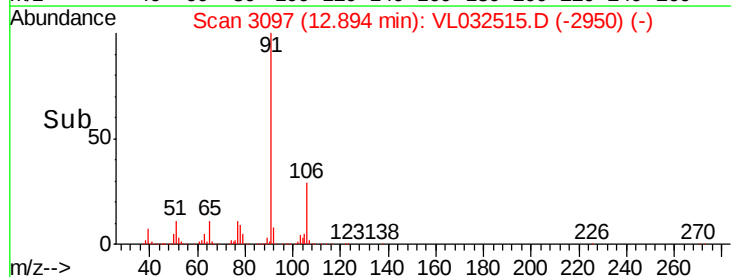
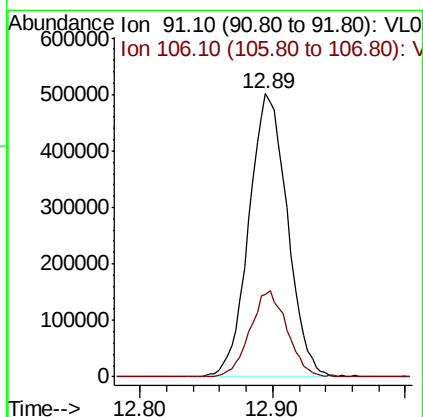
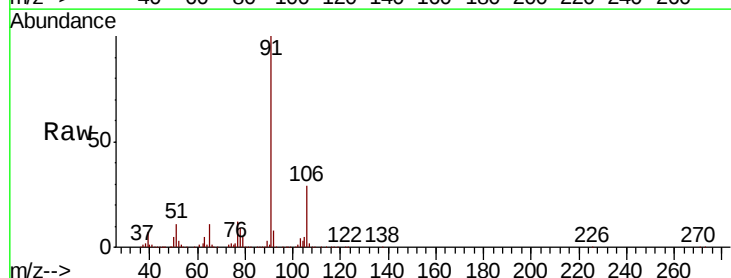
RT: 12.89 min Scan# 3097

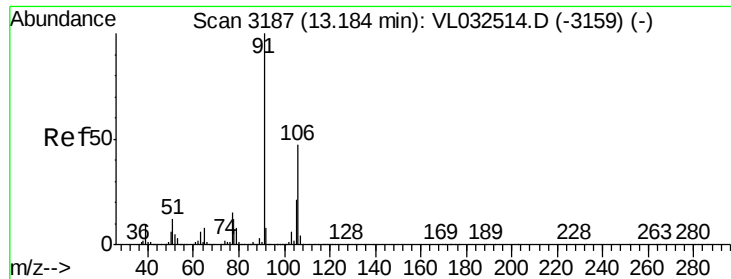
Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	91	Resp:	1012303
Ion Ratio	Lower	Upper	
91	100		
106	29.3	24.8	37.2





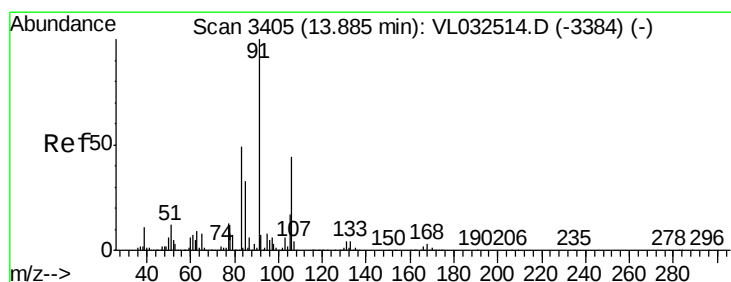
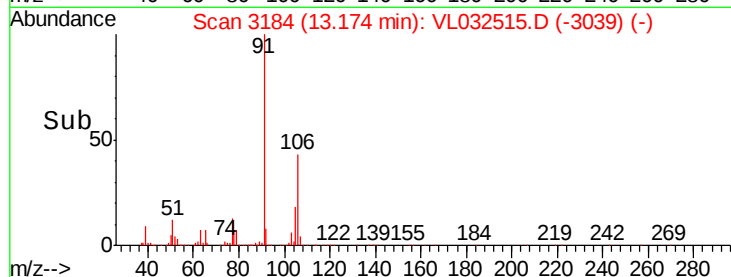
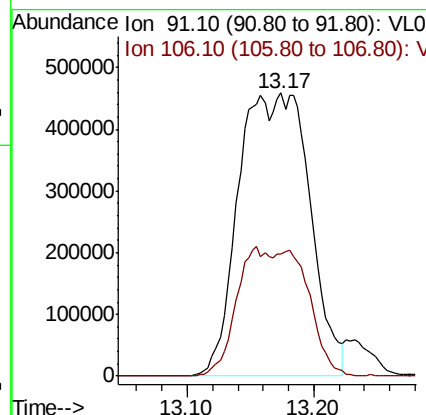
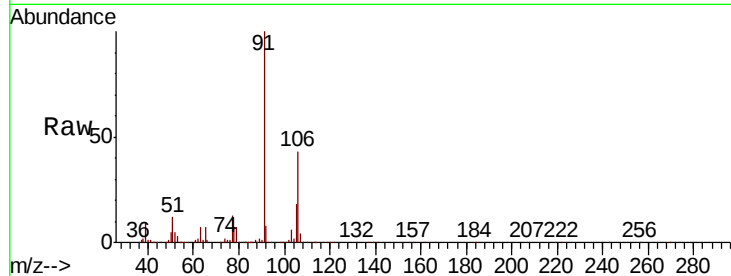
#59
m/p-Xylene
Concen: 4.489 ppbv m
RT: 13.17 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1790997
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

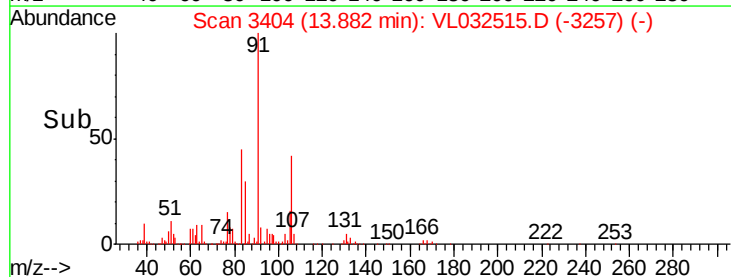
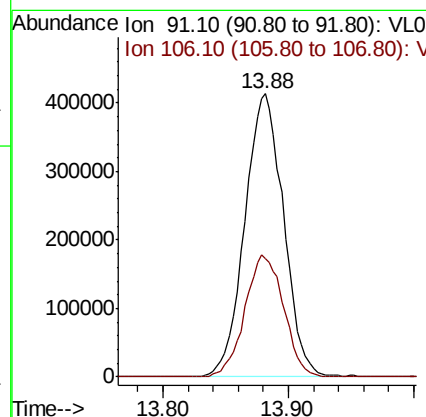
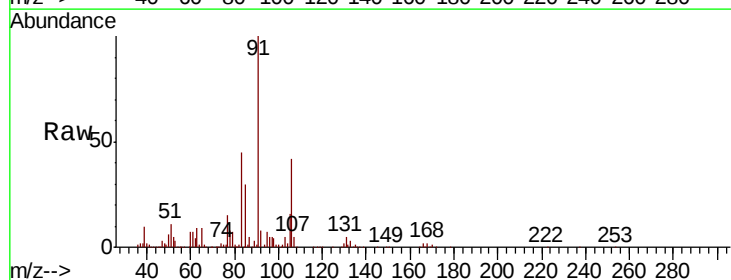
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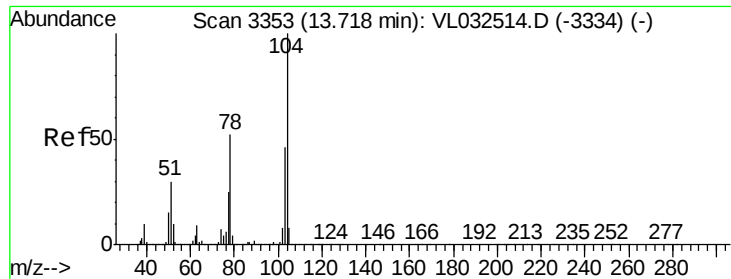
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#60
o-Xylene
Concen: 2.253 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion: 91 Resp: 882843
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.7





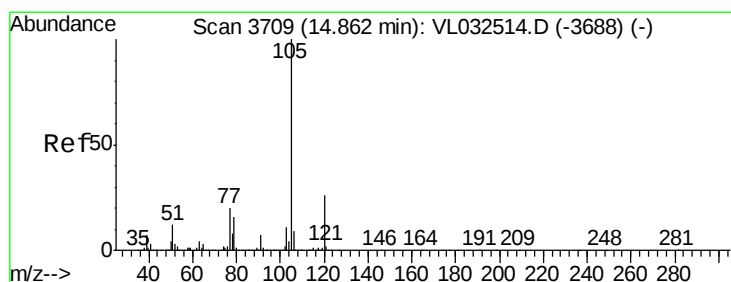
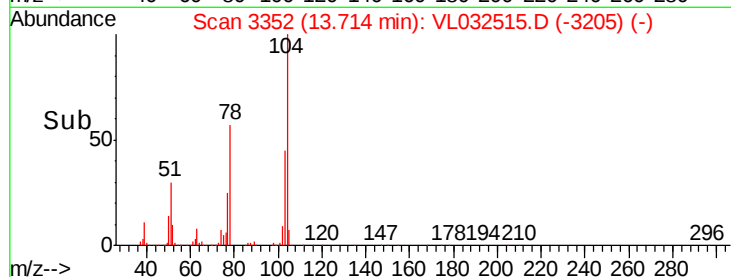
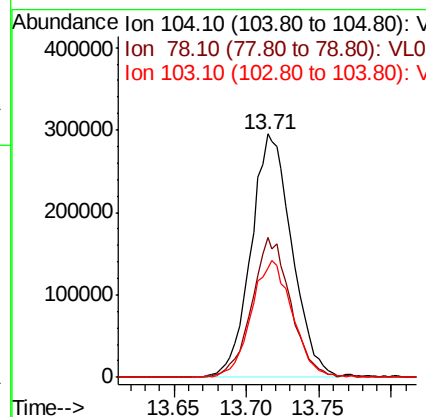
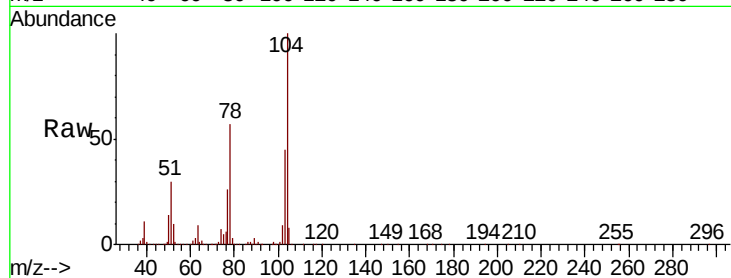
#61
Stvrene
Concen: 2.285 ppbv
RT: 13.71 min Scan# 3352
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	41.8	62.8
103	48.4	38.0	57.0

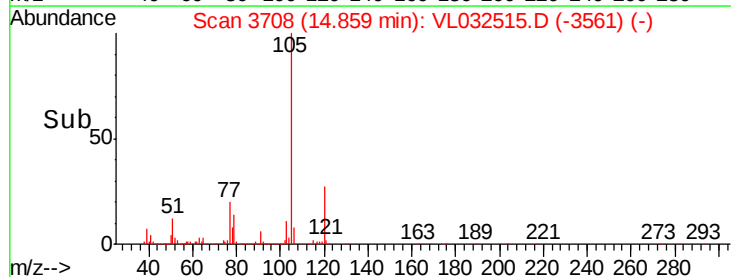
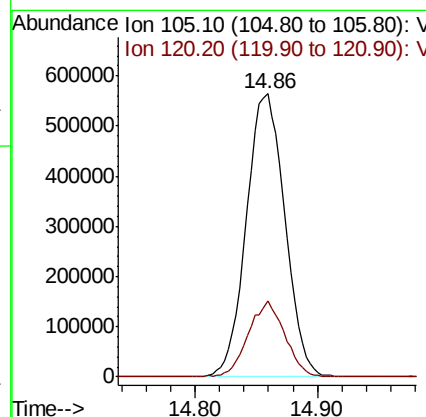
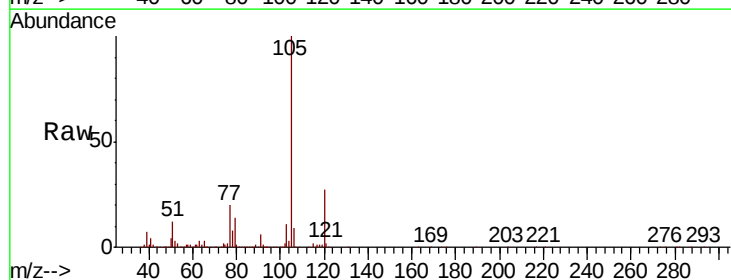
Manual Integrations
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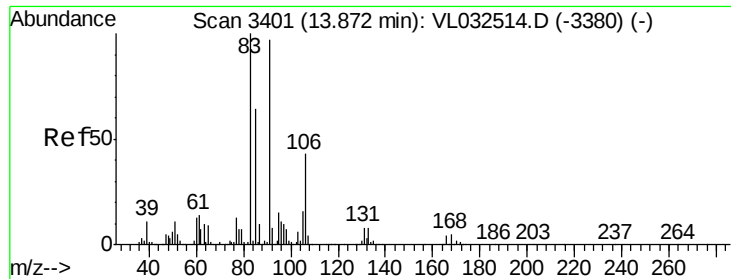
apatel
9/26/2018 4:47:04 PM



#62
Isopropylbenzene
Concen: 2.234 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.6	31.0





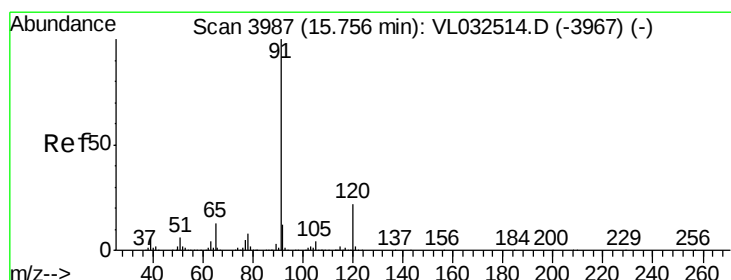
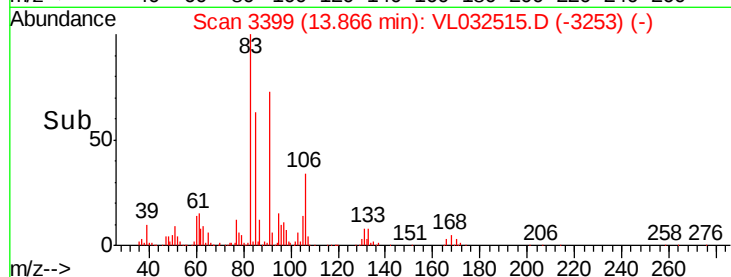
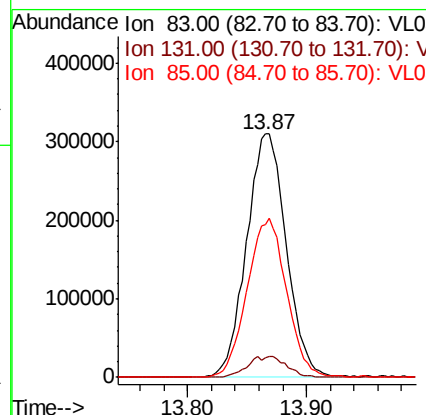
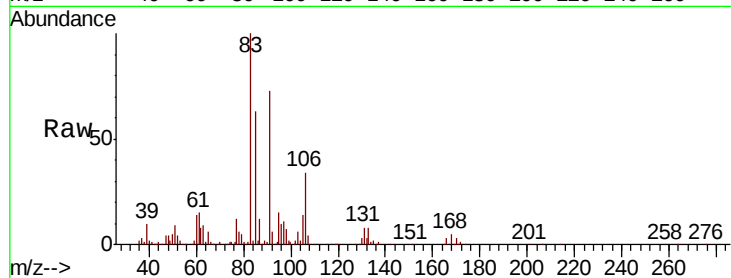
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.042 ppbv
 RT: 13.87 min Scan# 3399
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	64.7	32.3	96.8

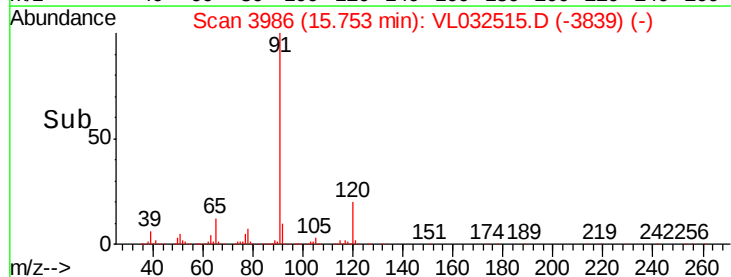
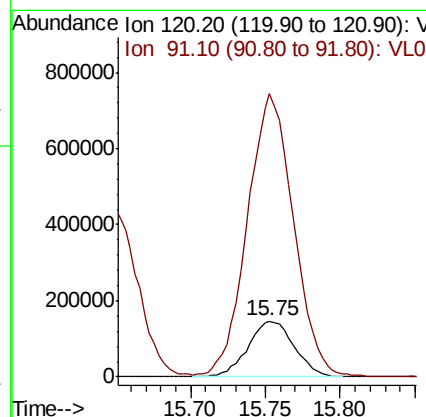
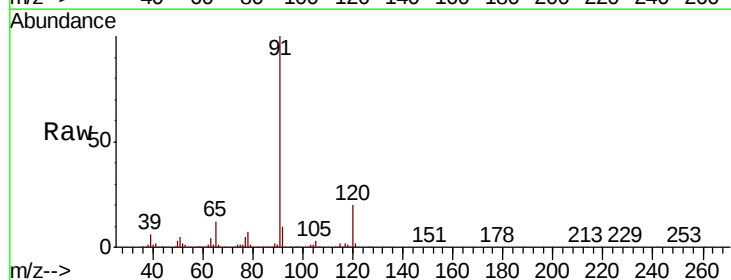
Manual Integrations
 APPROVED

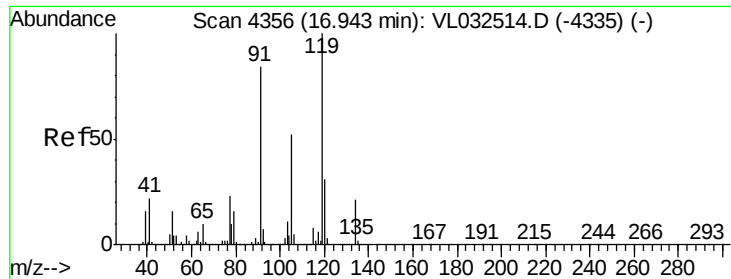
apatel
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#64
 n-propylbenzene
 Concen: 2.202 ppbv
 RT: 15.75 min Scan# 3986
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
120	100		
91	506.5	381.8	572.6





#65

tert-Butylbenzene

Concen: 2.303 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

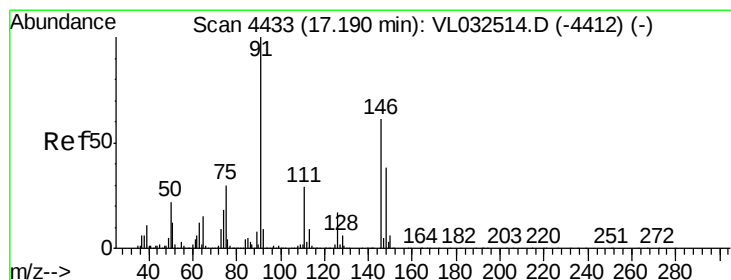
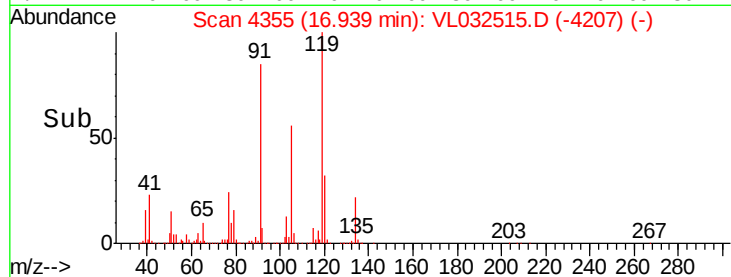
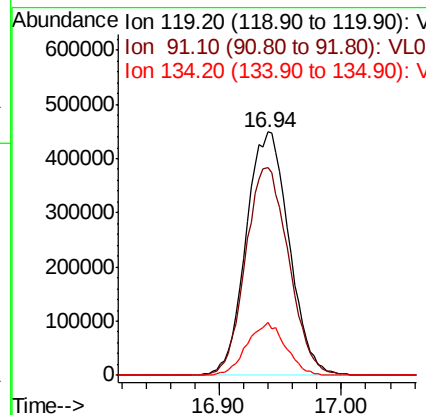
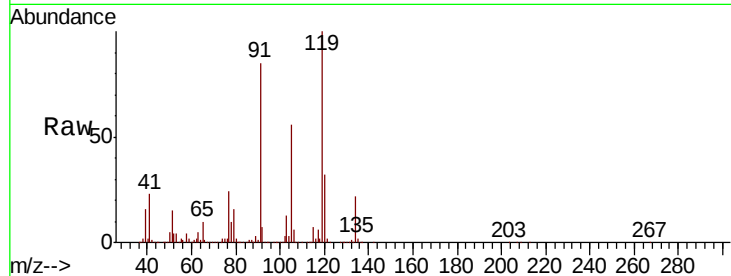
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	1093109
Ion	Ratio	Lower	Upper
119	100		
91	85.9	66.5	99.7
134	19.5	16.0	24.0

Manual Integrations
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#66

Benzyl Chloride

Concen: 2.267 ppbv

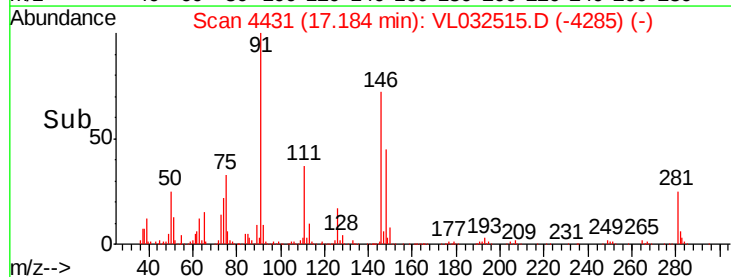
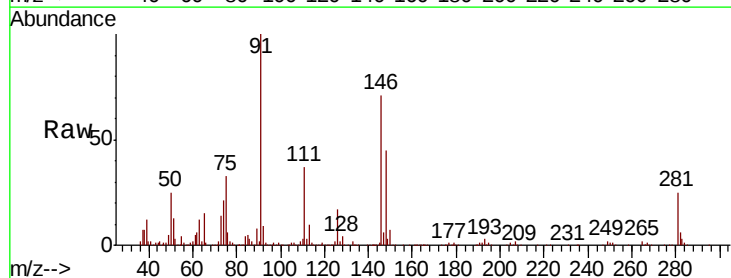
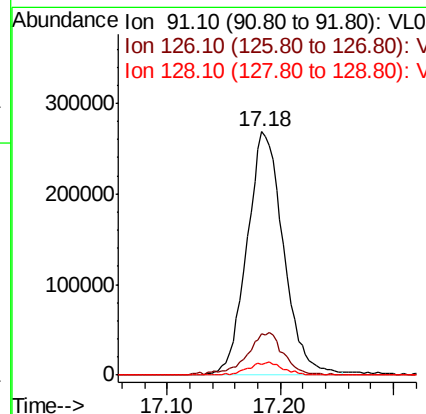
RT: 17.18 min Scan# 4431

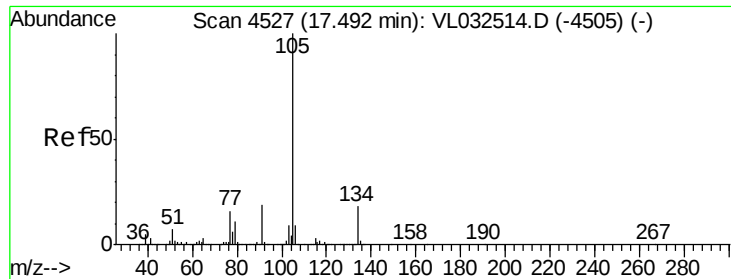
Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	91	Resp:	599555
Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.8	20.8
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 2.239 ppbv

RT: 17.49 min Scan# 4525

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1598142

Ion Ratio Lower Upper

105 100

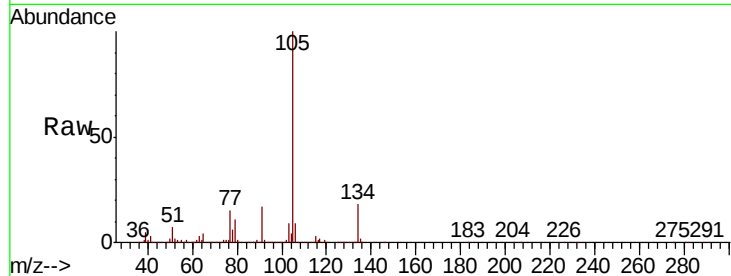
134 17.6 14.4 21.6

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

800000

600000

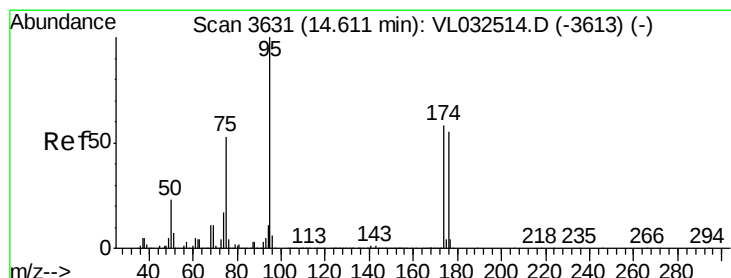
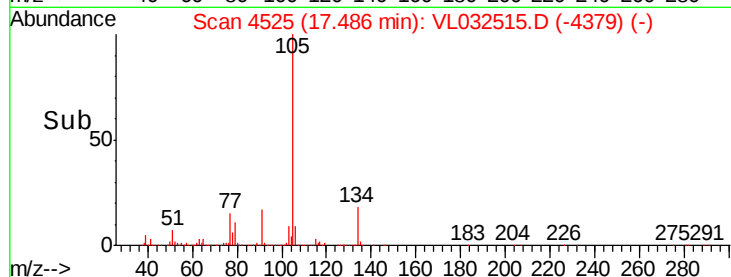
400000

200000

0

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.934 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

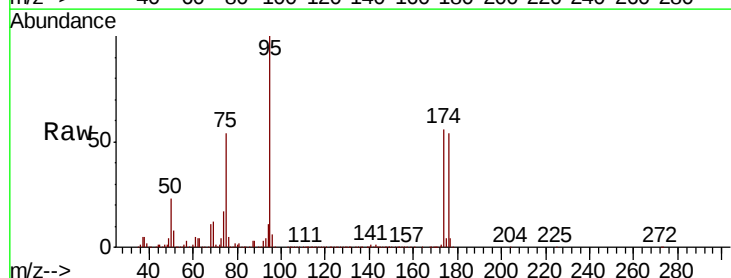
Tgt Ion: 95 Resp: 2757695

Ion Ratio Lower Upper

95 100

174 57.5 46.3 69.5

175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

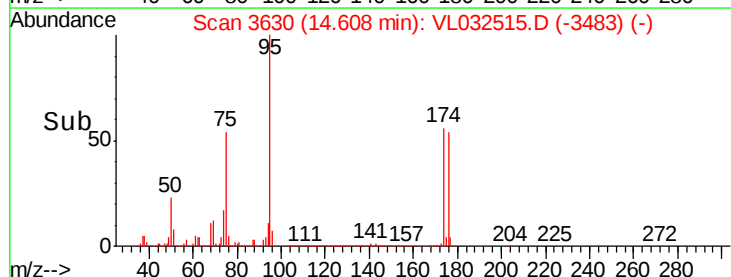
1000000

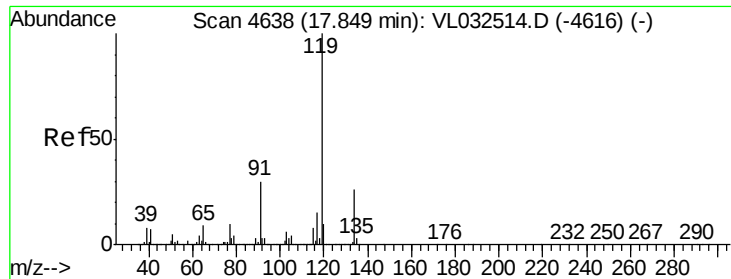
500000

0

14.50 14.60 14.70

Time-->





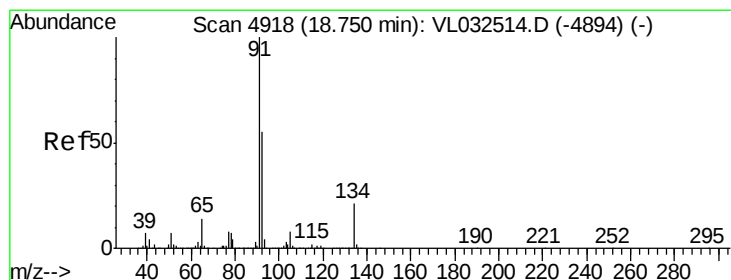
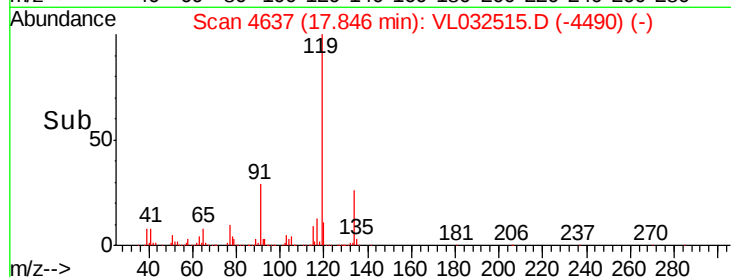
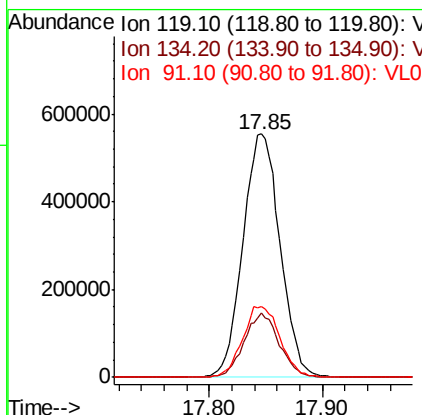
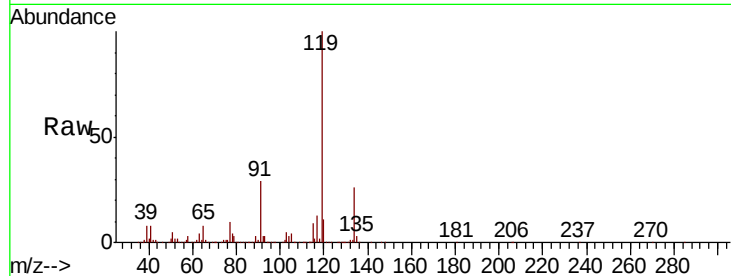
#69
 p-Isopropyltoluene
 Concen: 2.281 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	29.6	23.4	35.2

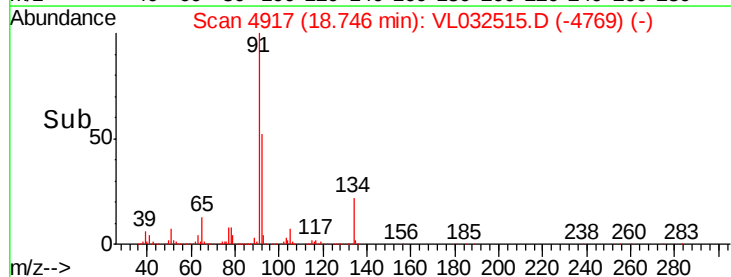
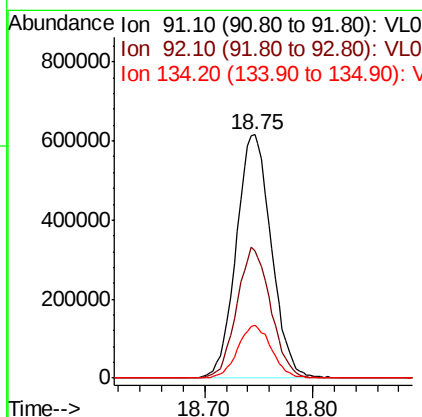
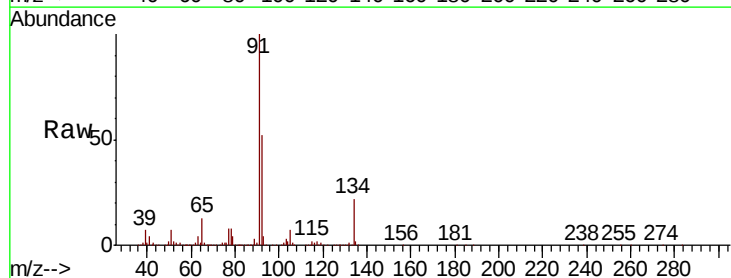
Manual Integrations
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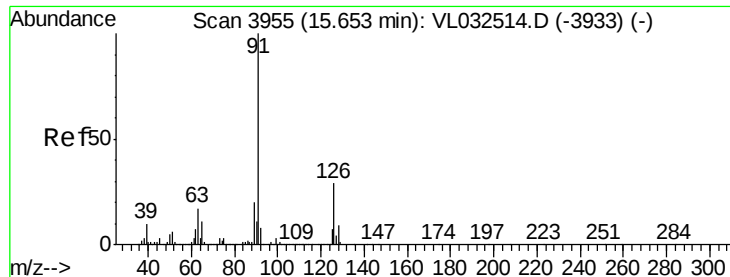
apatel
 9/26/2018 4:47:04 PM



#70
 n-Butylbenzene
 Concen: 2.213 ppbv
 RT: 18.75 min Scan# 4917
 Delta R.T. -0.02 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	43.8	65.8
134	21.1	17.4	26.0





#71

2-Chlorotoluene

Concen: 2.267 ppbv

RT: 15.65 min Scan# 3954

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 954193

Ion Ratio Lower Upper

91 100

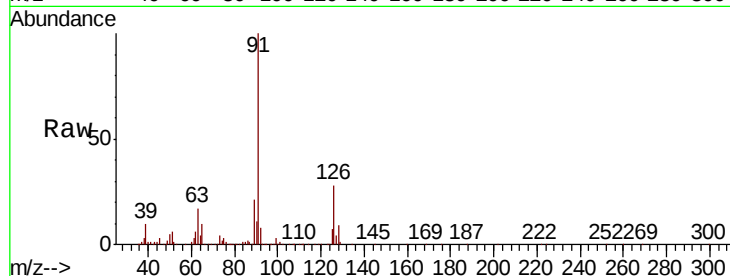
126 29.3 11.9 47.7

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

800000

600000

400000

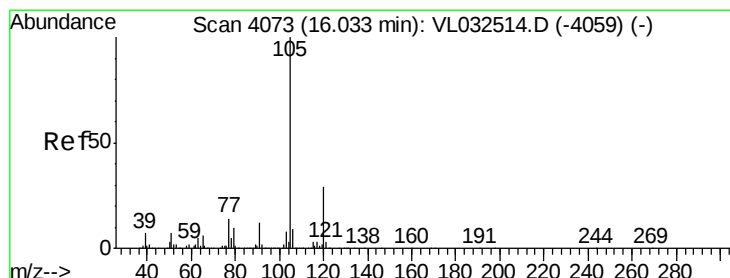
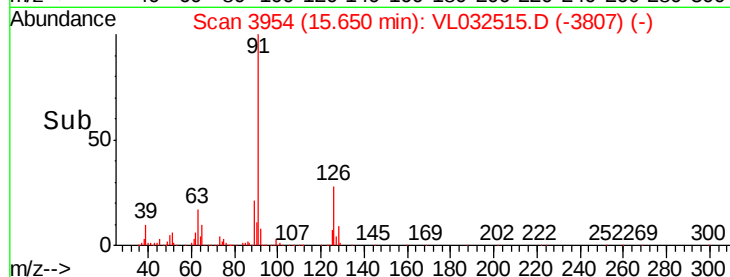
200000

0

15.65

15.70

Time-->



#72

4-Ethyltoluene

Concen: 2.249 ppbv

RT: 16.03 min Scan# 4072

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion: 105 Resp: 962034

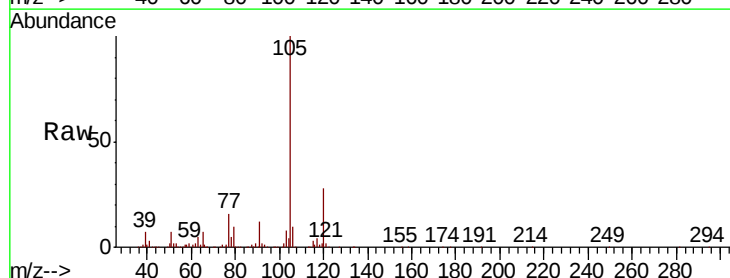
Ion Ratio Lower Upper

105 100

120 29.1 23.5 35.3

91 13.6 10.2 15.2

77 14.6 11.1 16.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

400000

200000

0

16.03

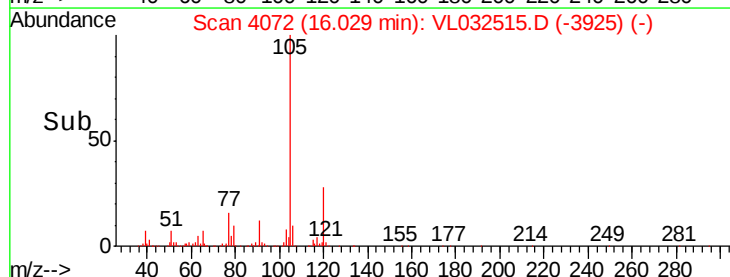
15.95

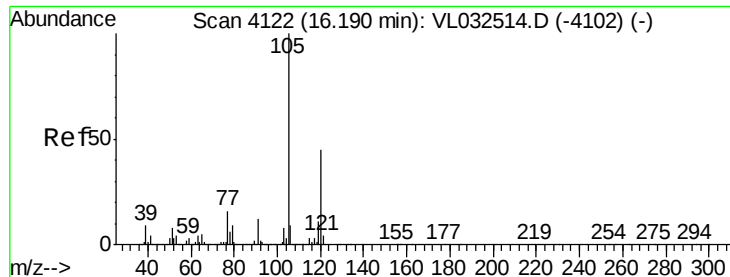
16.00

16.05

16.10

Time-->





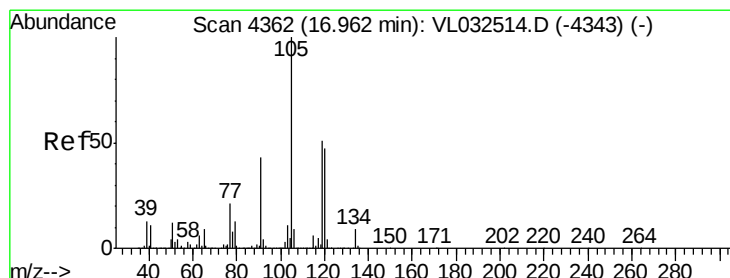
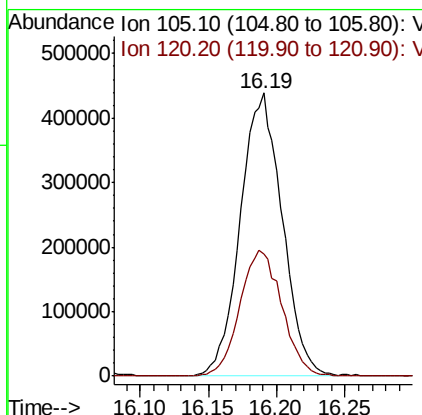
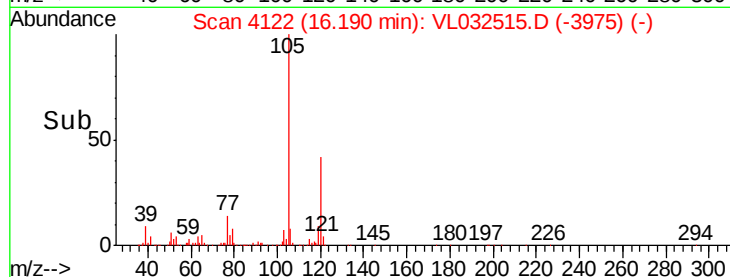
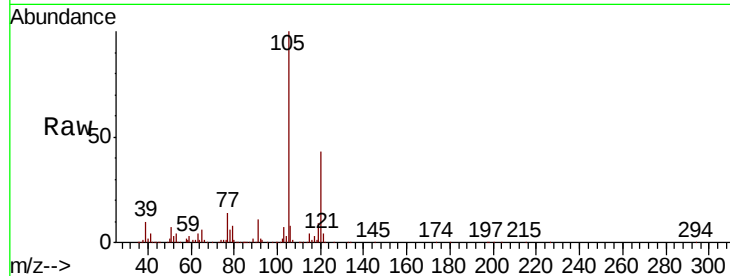
#73
 1,3,5-Trimethylbenzene
 Concen: 2.162 ppbv
 RT: 16.19 min Scan# 4122
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.0	37.9	56.9

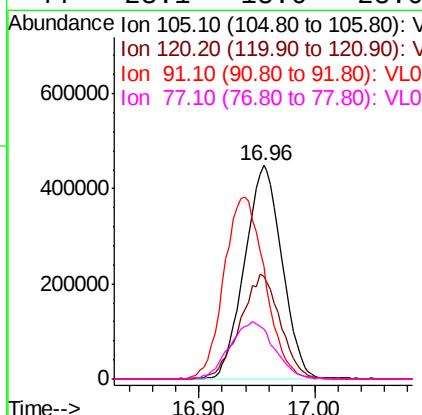
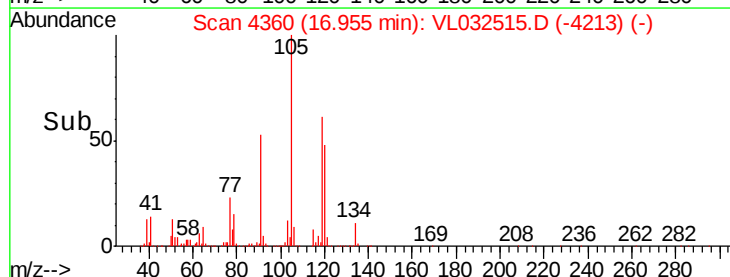
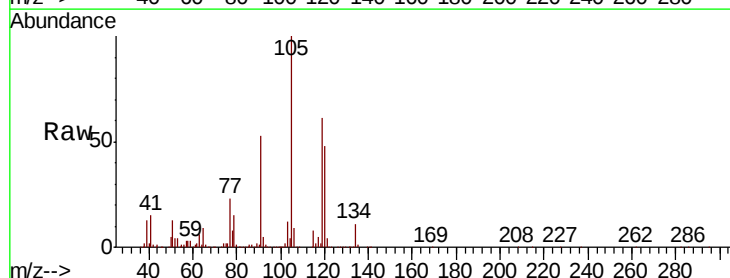
Manual Integrations
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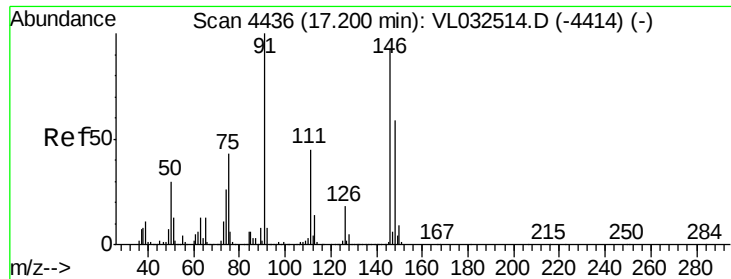
apatel
 9/26/2018 4:47:04 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 2.151 ppbv
 RT: 16.96 min Scan# 4360
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	37.8	56.8
91	52.4	41.4	62.0
77	23.1	18.6	28.0





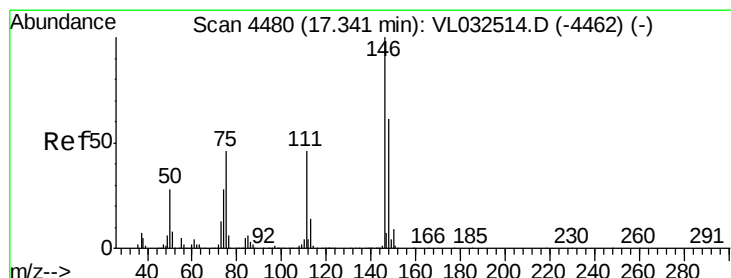
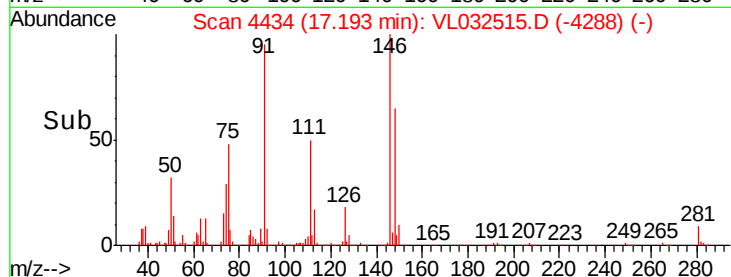
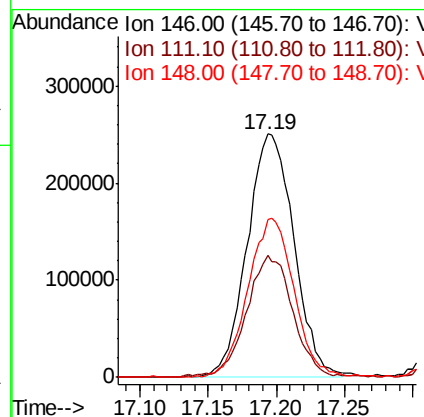
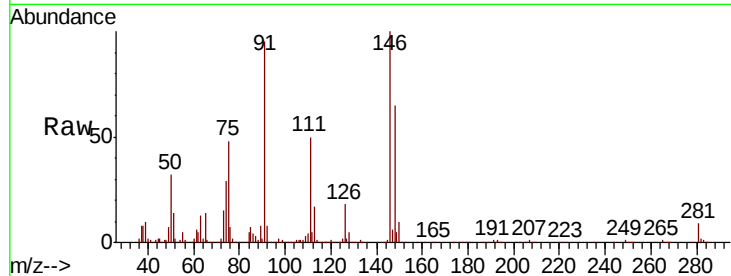
#75
 1,3-Dichlorobenzene
 Concen: 2.125 ppbv
 RT: 17.19 min Scan# 4434
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	24.5	73.5
148	65.2	32.0	96.2

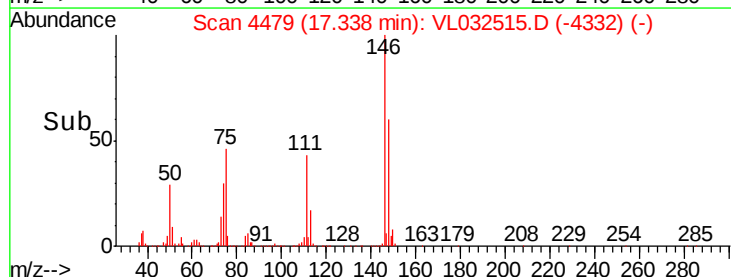
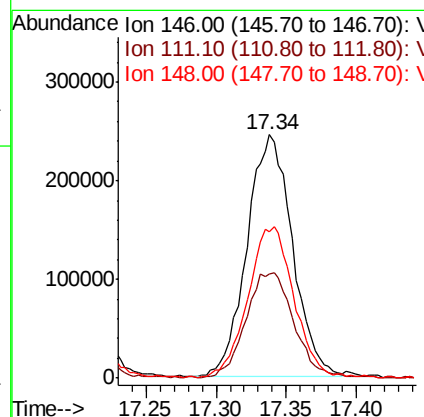
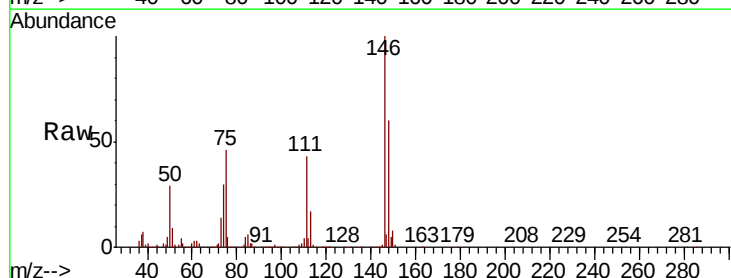
Manual Integrations
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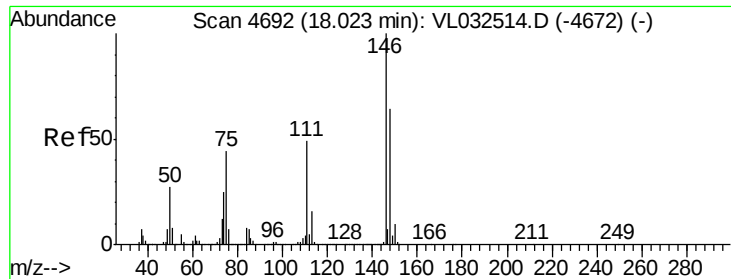
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#76
 1,4-Dichlorobenzene
 Concen: 2.134 ppbv
 RT: 17.34 min Scan# 4479
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.4	70.2
148	64.3	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 2.106 ppbv

RT: 18.02 min Scan# 4690

Delta R.T. -0.03 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Instrument :

MSVOA_L

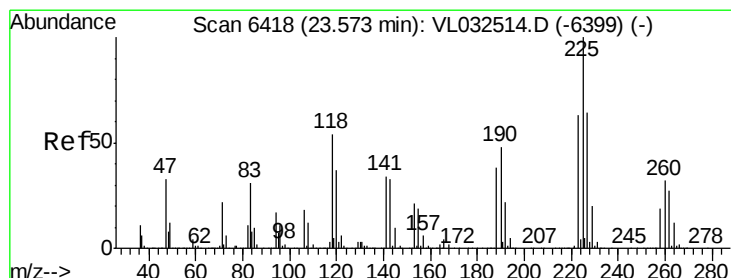
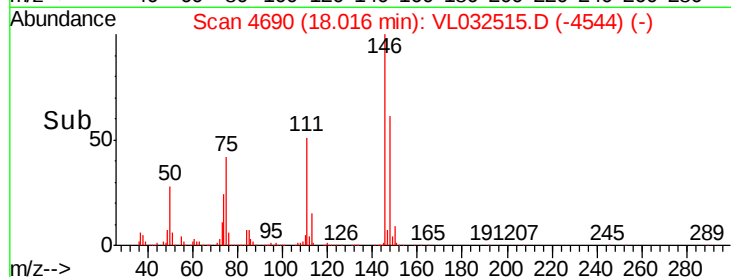
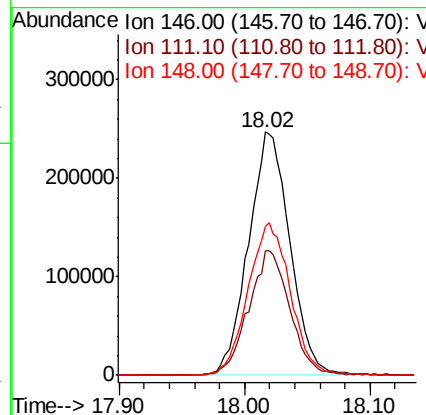
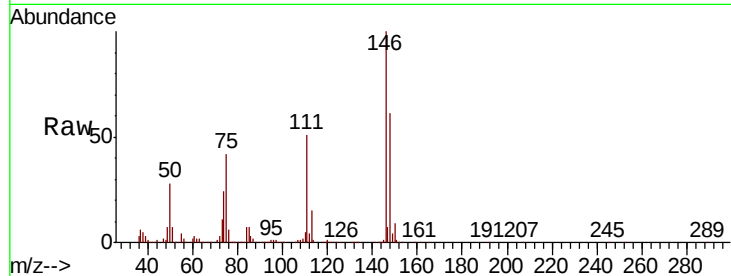
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	565003
Ion Ratio	Lower	Upper	
146	100		
111	51.3	24.9	74.8
148	64.5	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 2.101 ppbv

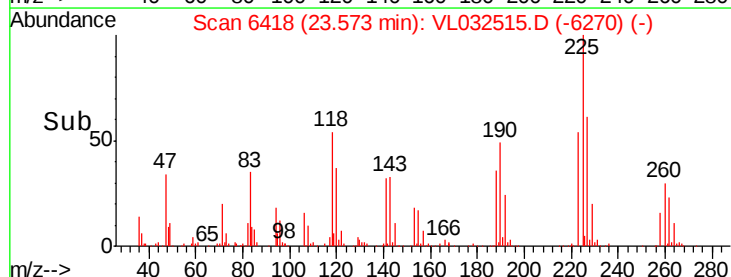
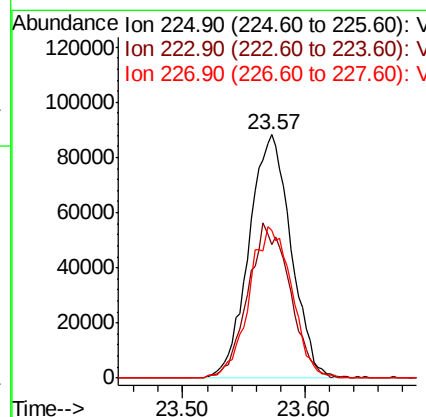
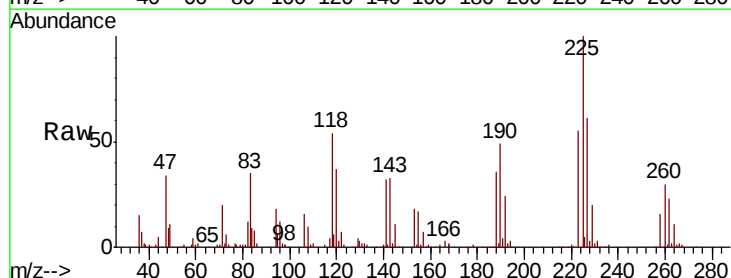
RT: 23.57 min Scan# 6418

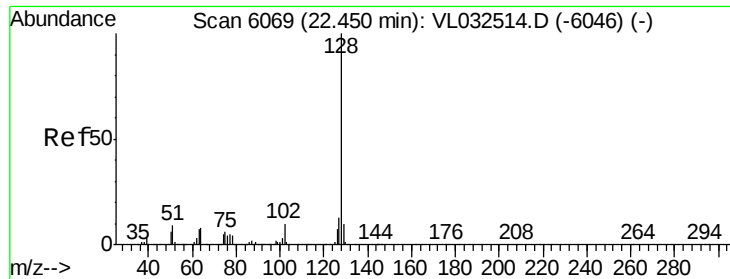
Delta R.T. -0.02 min

Lab File: VL032515.D

Acq: 24 Sep 2018 17:07

Tgt Ion:	225	Resp:	210650
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.6	76.0
227	62.9	51.2	76.8





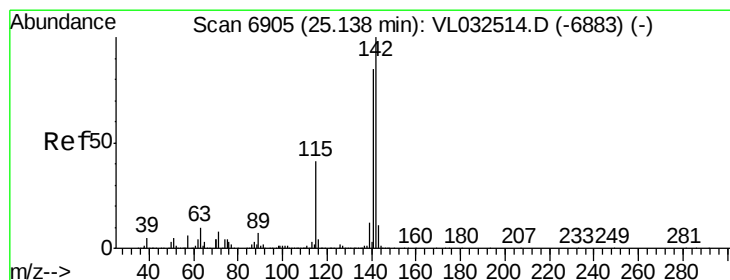
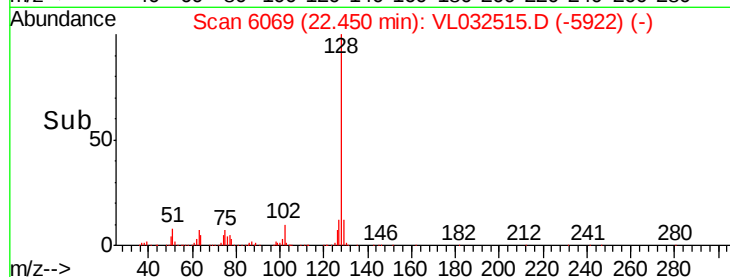
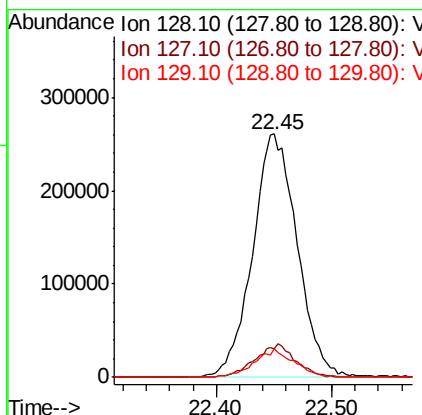
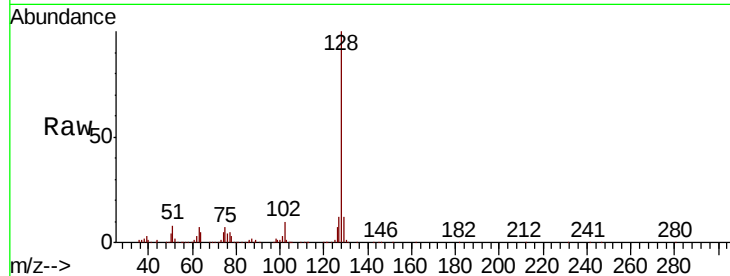
#79
Naphthalene
Concen: 1.819 ppbv
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.2
129	11.7	8.5	12.7

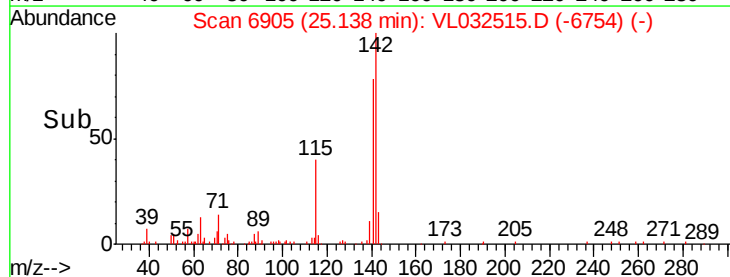
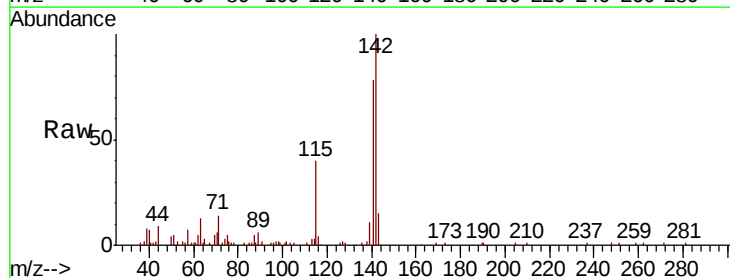
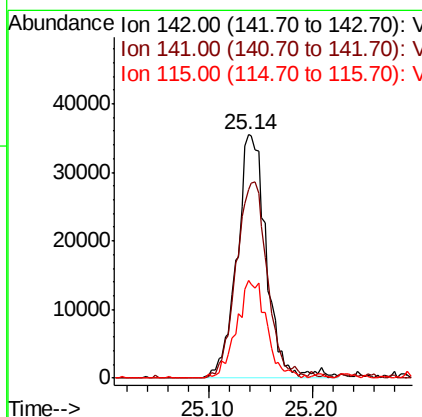
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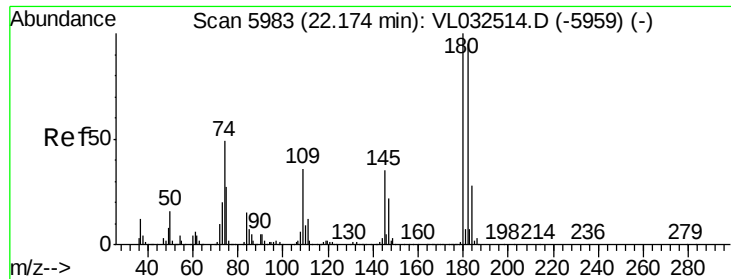
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#80
Naphthalene, 2-methyl-
Concen: 0.696 ppbv
RT: 25.14 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL032515.D
Acq: 24 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	67.0	100.6
115	41.1	31.3	46.9





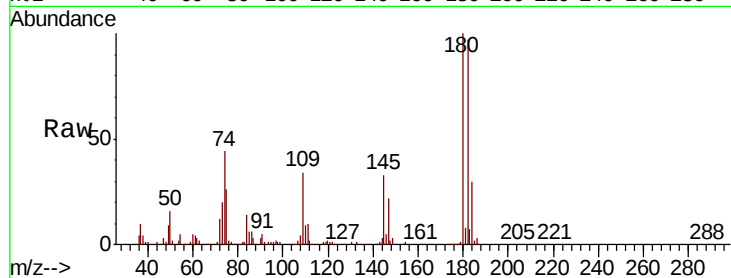
#81
 1,2,4-Trichlorobenzene
 Concen: 1.829 ppbv
 RT: 22.17 min Scan# 5983
 Delta R.T. -0.03 min
 Lab File: VL032515.D
 Acq: 24 Sep 2018 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	29.5	23.8	35.8

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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

