

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032434.D
 Acq On : 31 Aug 2018 2:28
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:39 AM

Quant Time: Aug 31 21:25:04 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 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2091157	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4092466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3887640	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2922205	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	154726	0.83	ppbv	98
3) Chlorodifluoromethane	3.04	51	99440	0.55	ppbv	99
4) Chloromethane	3.20	50	60366	0.54	ppbv #	86
5) Vinyl Chloride	3.33	62	55212	0.56	ppbv	93
6) Bromomethane	3.55	94	30094	0.50	ppbv	97
7) Chloroethane	3.63	64	20580	0.53	ppbv #	77
8) Dichlorotetrafluoroethane	3.25	85	129884	0.56	ppbv	99
9) Propene	3.07	41	33909	0.47	ppbv	97
10) Heptane	8.30	43	115799	0.45	ppbv	98
11) Trichlorofluoromethane	4.04	101	130693	0.56	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.59	101	89216	0.57	ppbv	99
13) Ethanol	3.70	45	13477m	0.58	ppbv	
14) Bromoethene	3.82	108	34920	0.51	ppbv #	94
15) Acetone	3.95	43	101548	0.51	ppbv	98
16) 1,3-Butadiene	3.40	39	46361m	0.56	ppbv	
17) tert-Butyl alcohol	4.43	59	16212m	0.50	ppbv	
18) 1,1-Dichloroethene	4.39	96	39920	0.55	ppbv	92
19) Isopropyl Alcohol	4.09	45	66575m	0.53	ppbv	
20) Methylene Chloride	4.45	84	41482	0.56	ppbv	91
21) Allyl Chloride	4.52	41	60039	0.48	ppbv	95
22) trans-1,2-Dichloroethene	5.01	96	44361	0.57	ppbv	96
23) Vinyl Acetate	5.20	43	136330	0.44	ppbv #	93
24) 1,1-Dichloroethane	5.13	63	136533m	0.55	ppbv	
25) Ethyl Acetate	5.82	43	230007	0.55	ppbv	99
26) Hexane	5.83	57	95812	0.51	ppbv	85
27) Carbon Disulfide	4.67	76	87151	0.48	ppbv #	85
28) Methyl tert-Butyl Ether	5.17	73	109879	0.47	ppbv	98
29) Chloroform	5.89	83	161713	0.55	ppbv	99
30) Cyclohexane	7.31	84	68305m	0.49	ppbv	
31) cis-1,2-Dichloroethene	5.68	61	80597	0.47	ppbv #	87
32) 1,1,1-Trichloroethane	6.67	97	142877	0.57	ppbv	98
34) 2-Butanone	5.39	43	132960	0.51	ppbv	96
35) Carbon Tetrachloride	7.18	117	140569	0.55	ppbv	94
36) Benzene	7.05	78	162634	0.48	ppbv	97
37) 1,2-Dichloroethane	6.46	62	111592	0.53	ppbv	97
38) Trichloroethene	8.01	130	57809	0.51	ppbv	97
39) 1,2-Dichloropropane	7.78	63	76996	0.54	ppbv	96
40) 1,4-Dioxane	8.05	88	22103m	0.52	ppbv	
41) Tetrahydrofuran	6.22	42	61625	0.44	ppbv	97
42) Bromodichloromethane	7.96	83	149629m	0.52	ppbv	
43) Methyl Methacrylate	8.19	69	57706	0.41	ppbv	88

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Manual Integrations
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apatel
 9/4/2018 8:25:39 AM

Quant Time: Aug 31 21:25:04 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 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	306181	0.48	ppbv #	91
45) t-1,3-Dichloropropene	9.47	75	54444	0.33	ppbv	97
46) cis-1,3-Dichloropropene	8.88	75	77125	0.38	ppbv	90
47) 1,1,2-Trichloroethane	9.67	97	78659	0.52	ppbv	97
48) Dibromochloromethane	10.50	129	104624	0.49	ppbv	96
49) Bromoform	13.25	173	89307m	0.47	ppbv	
50) 4-Methyl-2-Pentanone	8.94	43	178122	0.44	ppbv	96
51) 2-Hexanone	10.34	43	93462	0.35	ppbv #	92
52) Tetrachloroethene	11.43	164	52859m	0.54	ppbv	
53) Toluene	10.00	91	135388m	0.38	ppbv	
54) 1,2-Dibromoethane	10.81	107	100541	0.46	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.33	131	98776m	0.59	ppbv	
57) Chlorobenzene	12.35	112	171525	0.58	ppbv #	94
58) Ethyl Benzene	12.92	91	185646m	0.42	ppbv	
59) m/p-Xylene	13.20	91	389073m	0.99	ppbv	
60) o-Xylene	13.90	91	178517	0.47	ppbv	100
61) Styrene	13.74	104	91097m	0.36	ppbv	
62) Isopropylbenzene	14.88	105	266953	0.50	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	199815	0.60	ppbv	98
64) n-propylbenzene	15.78	120	67890m	0.48	ppbv	
65) tert-Butylbenzene	16.96	119	228638	0.50	ppbv	95
66) Benzyl Chloride	17.21	91	123047m	0.43	ppbv	
67) sec-Butylbenzene	17.52	105	348993	0.51	ppbv	100
69) p-Isopropyltoluene	17.87	119	252205m	0.48	ppbv	
70) n-Butylbenzene	18.77	91	289645	0.50	ppbv	97
71) 2-Chlorotoluene	15.67	91	187849	0.46	ppbv	98
72) 4-Ethyltoluene	16.05	105	174437	0.42	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.21	105	193086	0.49	ppbv	92
74) 1,2,4-Trimethylbenzene	16.98	105	242114	0.57	ppbv	97
75) 1,3-Dichlorobenzene	17.22	146	164206	0.60	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	133821	0.54	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	141385	0.54	ppbv	97
78) Hexachloro-1,3-Butadiene	23.59	225	63243m	0.56	ppbv	
79) Naphthalene	22.48	128	148476	0.52	ppbv #	87
80) Naphthalene, 2-methyl-	25.16	142	22112	0.30	ppbv	92
81) 1,2,4-Trichlorobenzene	22.20	180	87976m	0.57	ppbv	

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

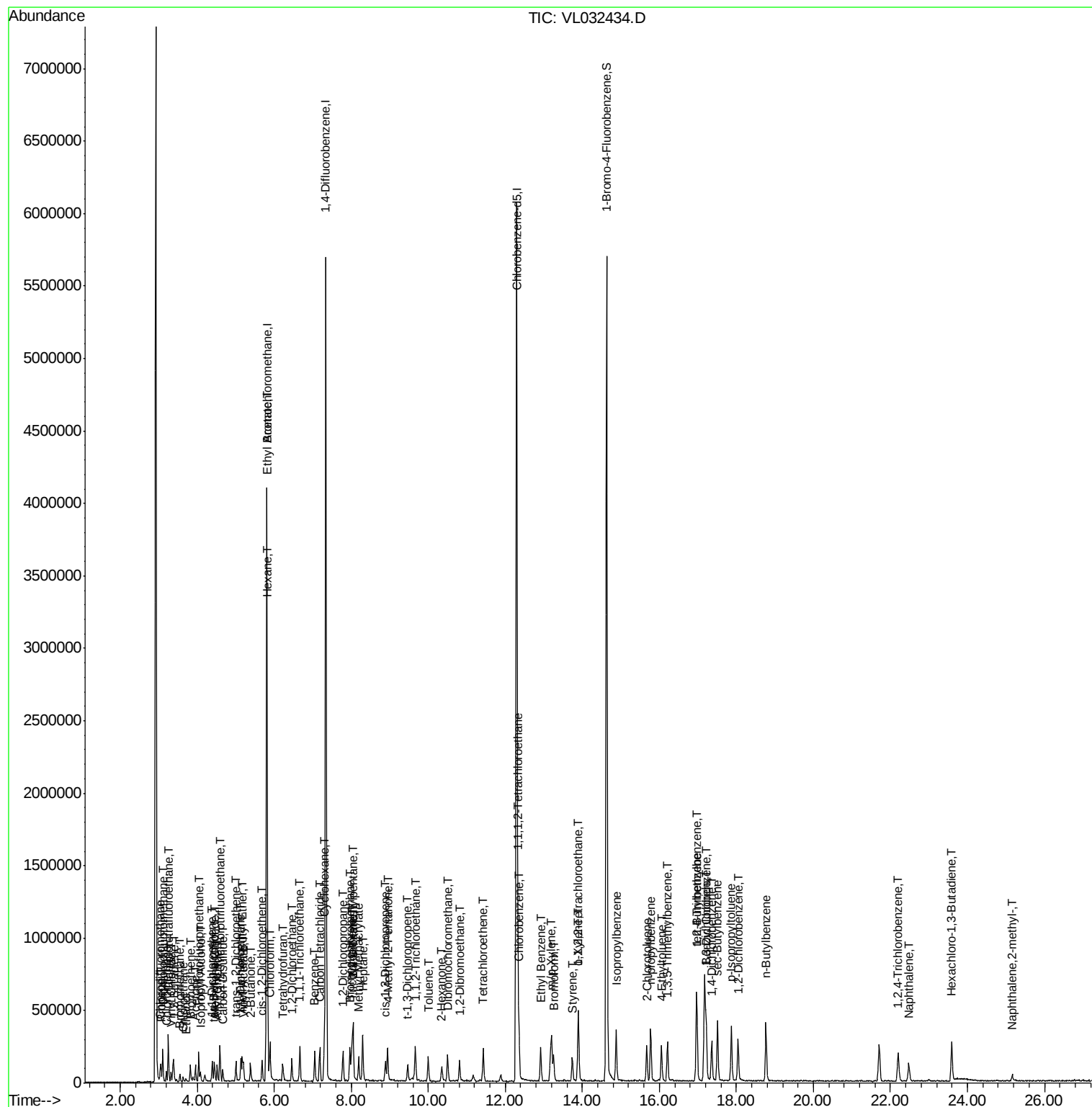
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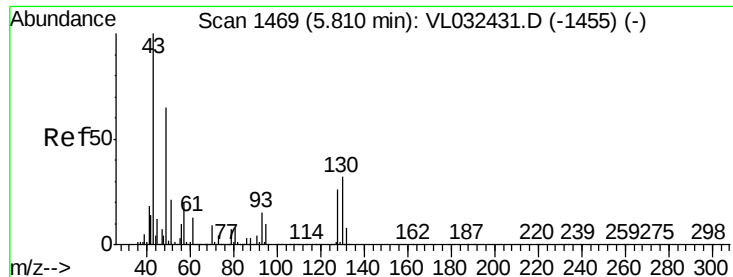
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration





#1

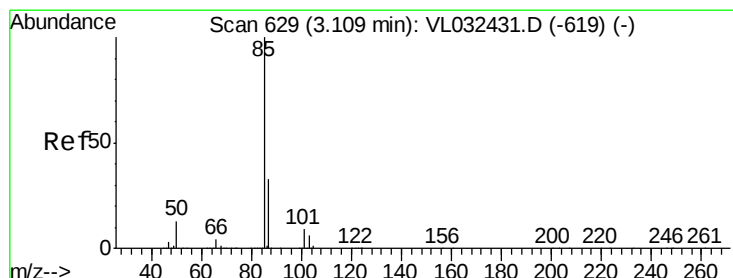
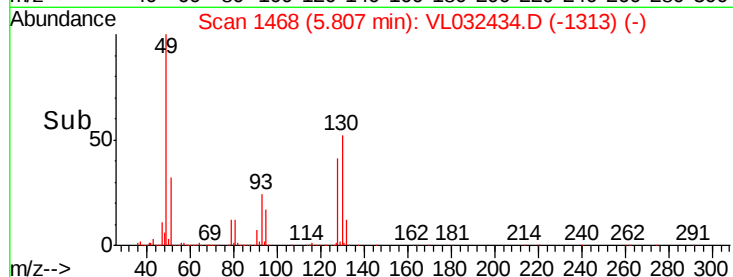
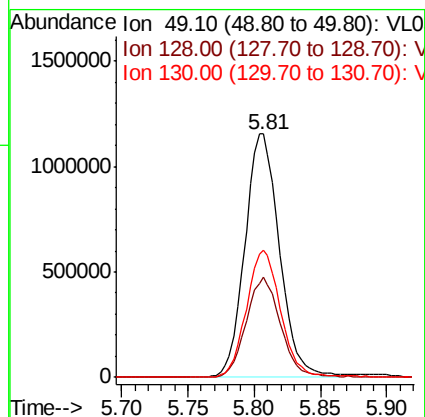
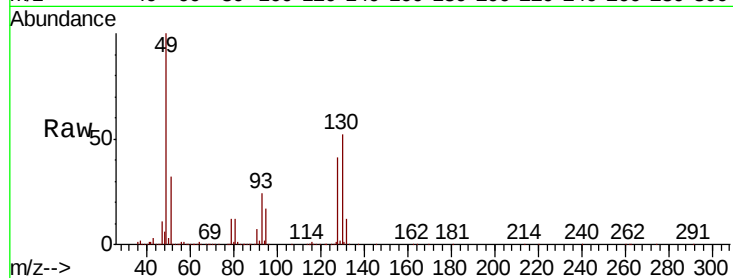
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.81 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.5	20.7	62.1
130	52.1	26.7	80.0

Manual Integrations
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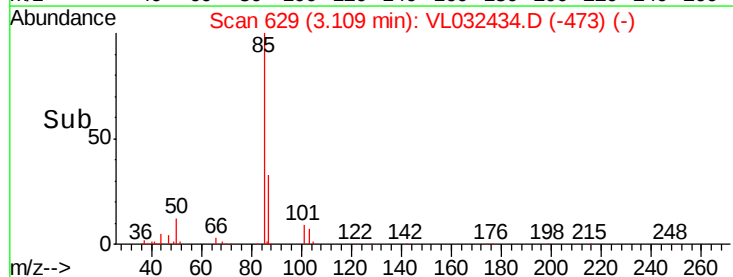
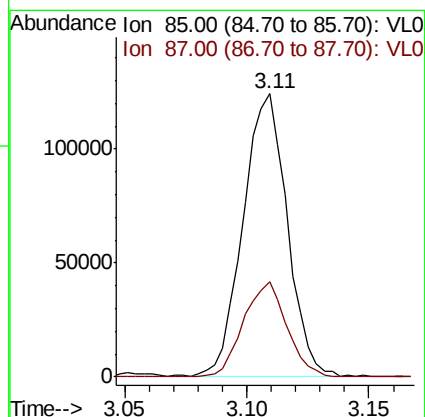
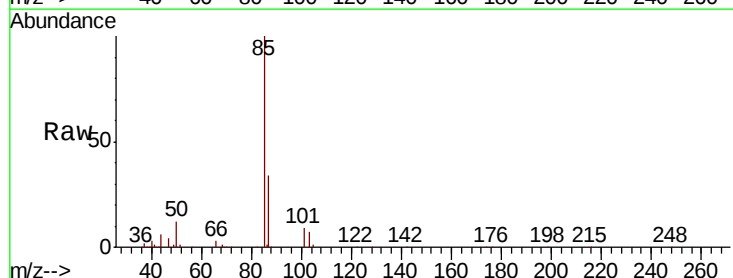
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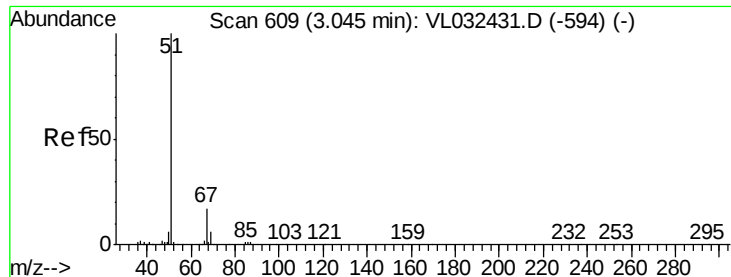


#2

Dichlorodifluoromethane
 Concen: 0.83 ppbv
 RT: 3.11 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.4





#3

Chlorodifluoromethane

Concen: 0.55 ppbv

RT: 3.04 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 99440

Ion Ratio Lower Upper

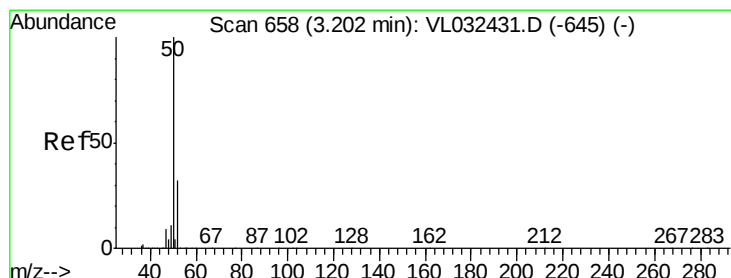
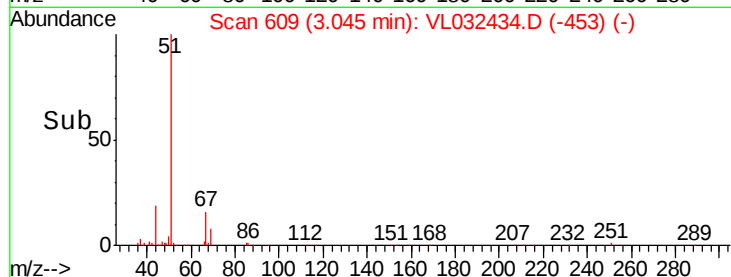
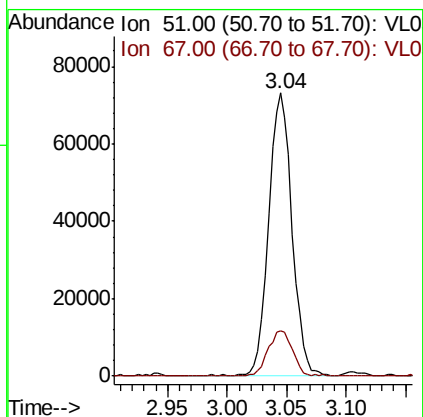
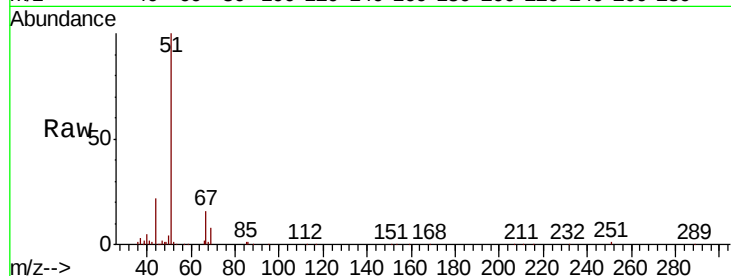
51 100

67 17.0 13.8 20.8

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#4

Chloromethane

Concen: 0.54 ppbv

RT: 3.20 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL032434.D

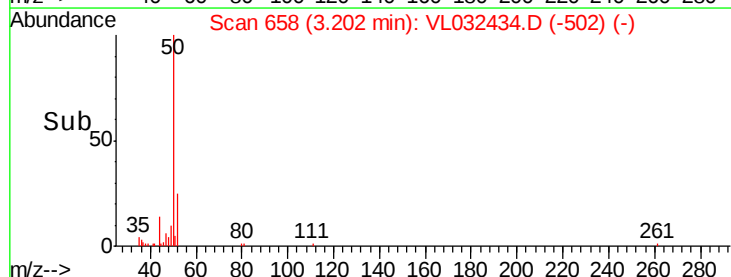
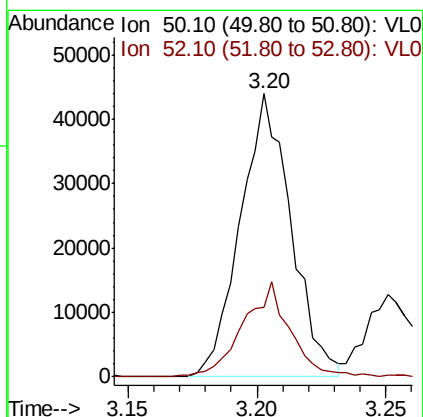
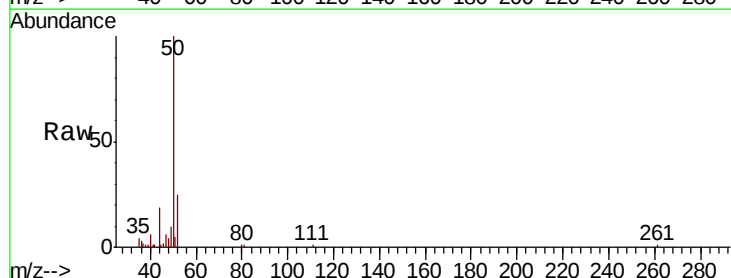
Acq: 31 Aug 2018 2:28

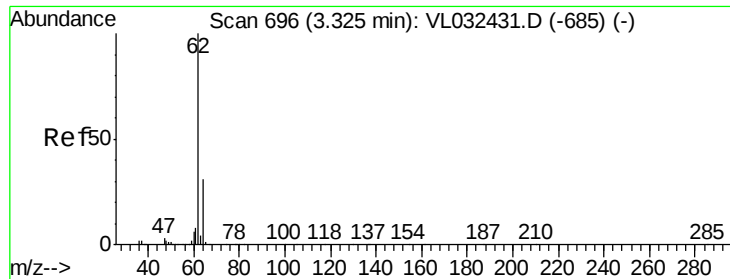
Tgt Ion: 50 Resp: 60366

Ion Ratio Lower Upper

50 100

52 24.4 25.6 38.4#





#5

Vinyl Chloride

Concen: 0.56 ppbv

RT: 3.33 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 55212

Ion Ratio Lower Upper

62 100

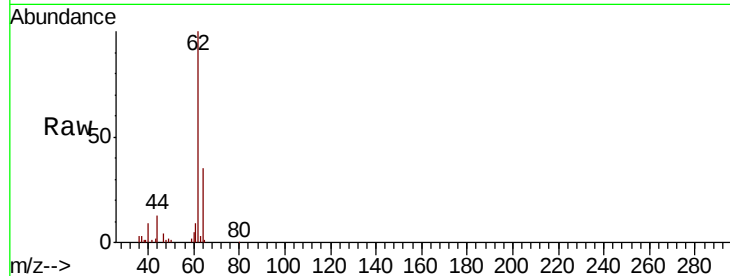
64 35.1 25.0 37.6

Manual Integrations

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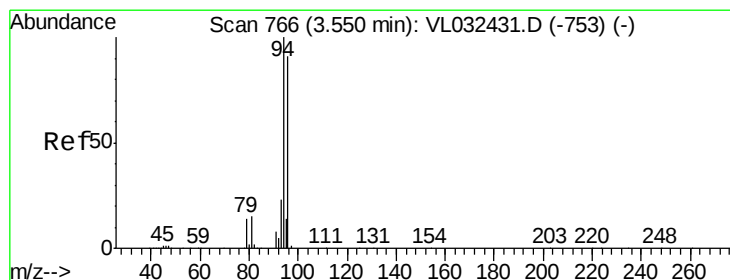
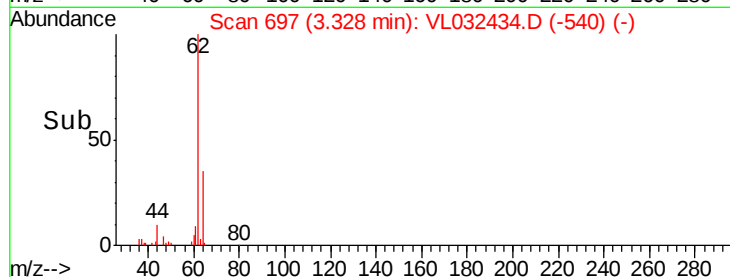
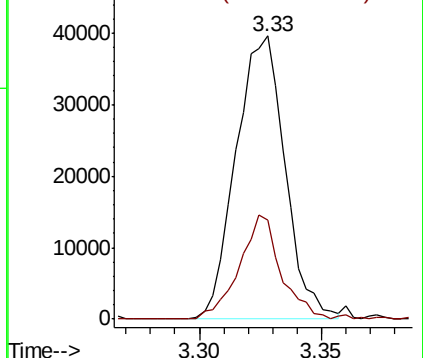
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.50 ppbv

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL032434.D

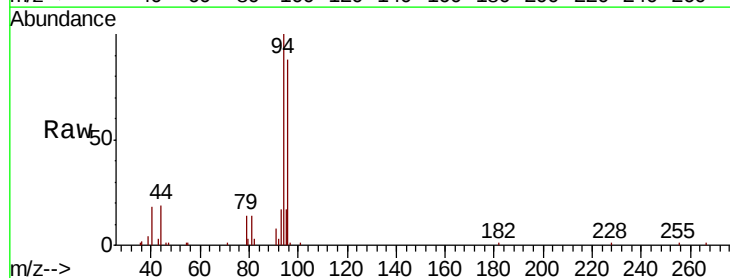
Acq: 31 Aug 2018 2:28

Tgt Ion: 94 Resp: 30094

Ion Ratio Lower Upper

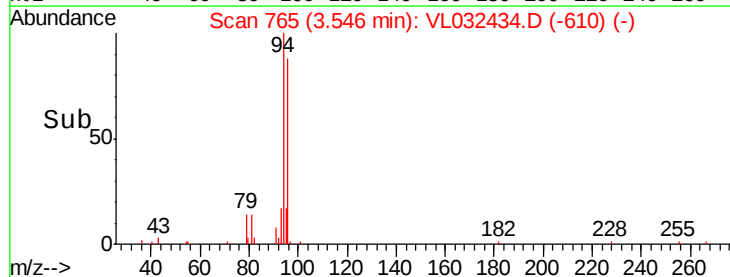
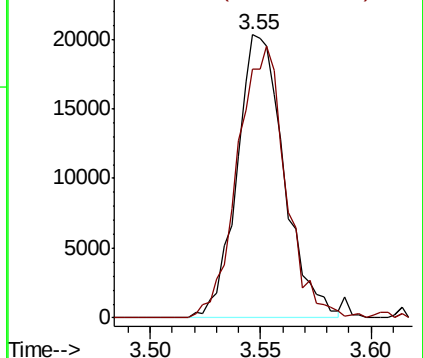
94 100

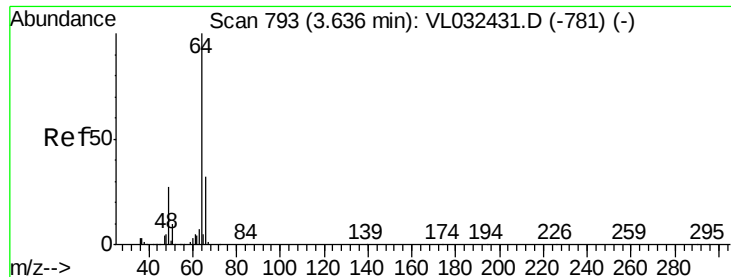
96 87.8 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.53 ppbv

RT: 3.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 20580

Ion Ratio Lower Upper

64 100

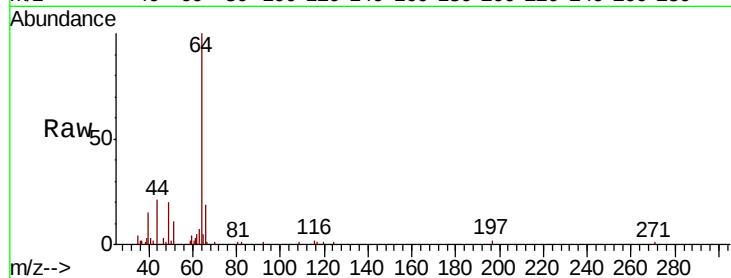
66 19.6 25.8 38.6#

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.63

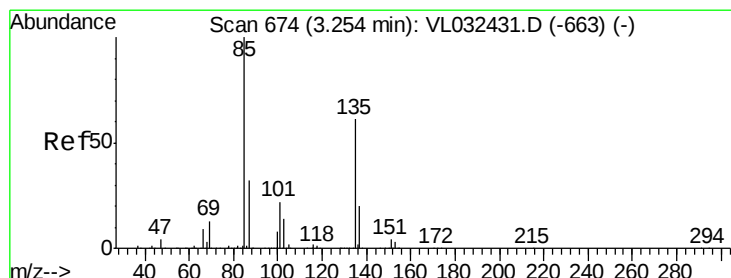
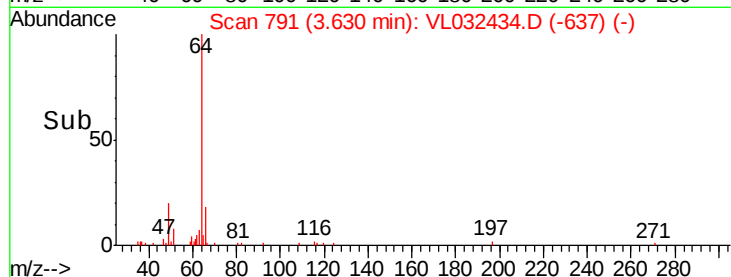
15000

10000

5000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.56 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032434.D

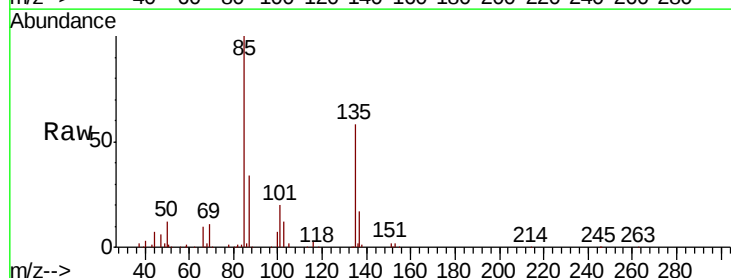
Acq: 31 Aug 2018 2:28

Tgt Ion: 85 Resp: 129884

Ion Ratio Lower Upper

85 100

135 59.7 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

120000

100000

80000

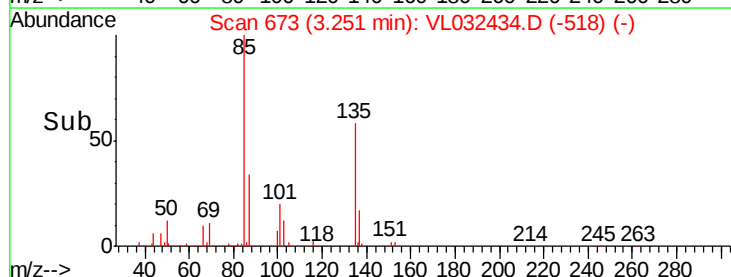
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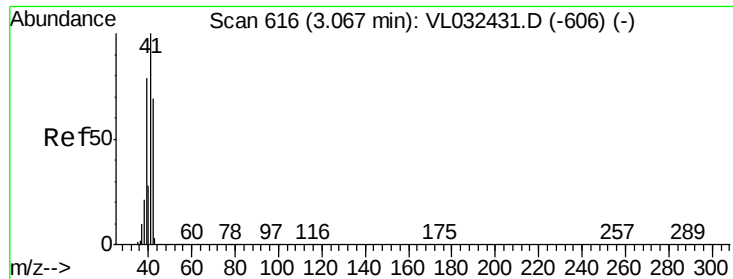
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20000

0

Time-->





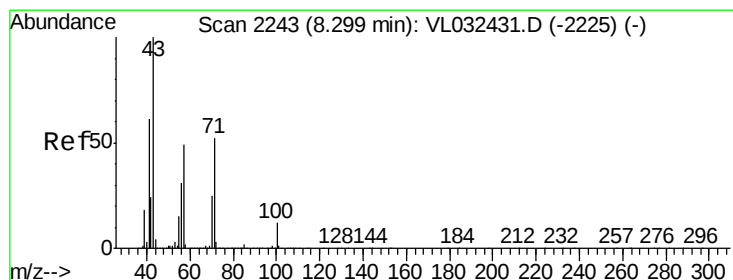
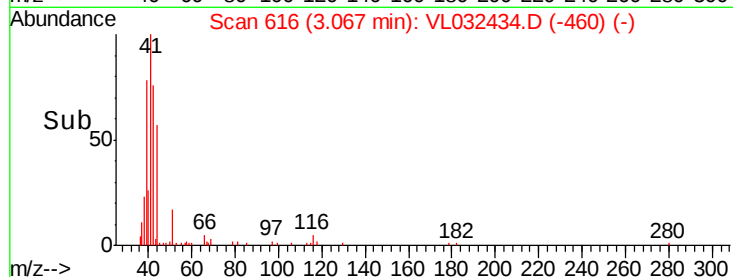
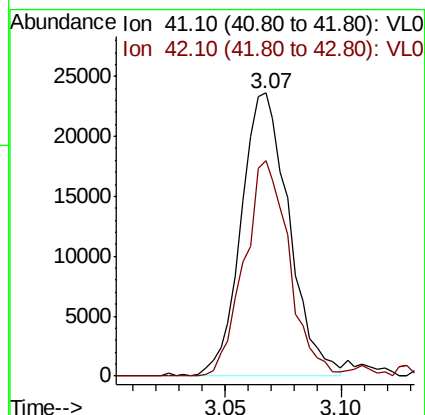
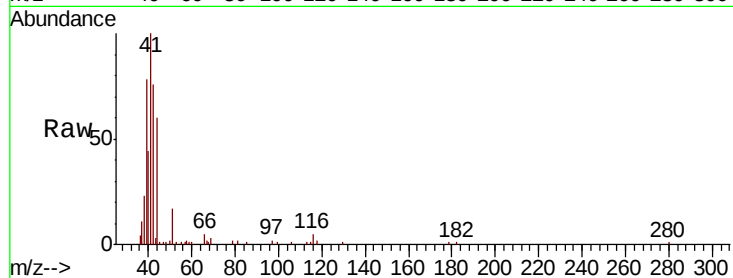
#9
 Propene
 Concen: 0.47 ppbv
 RT: 3.07 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	41	Resp	33909
Ion Ratio	Lower	Upper	
41	100		
42	72.8	56.6	84.8

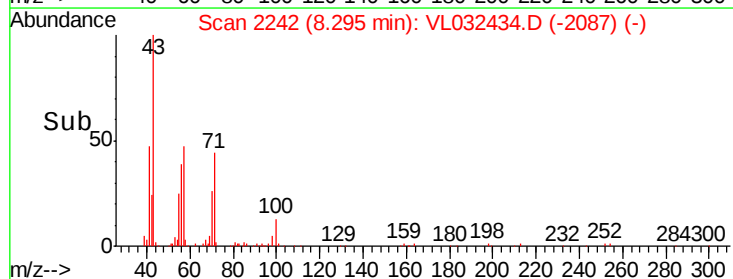
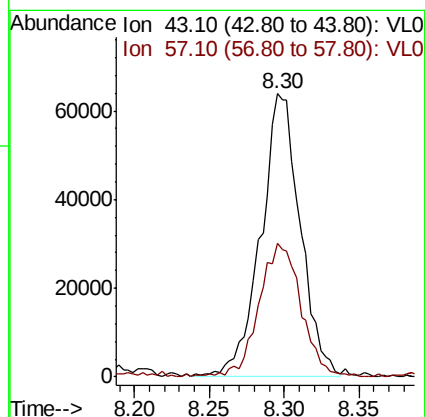
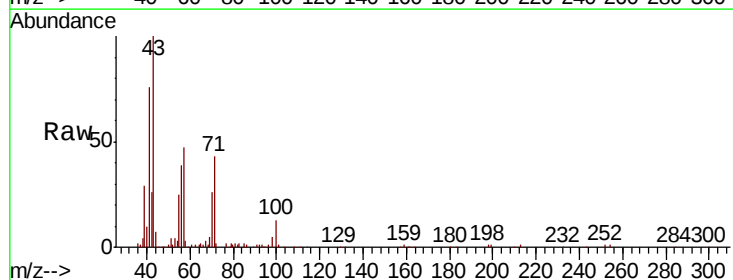
Manual Integrations
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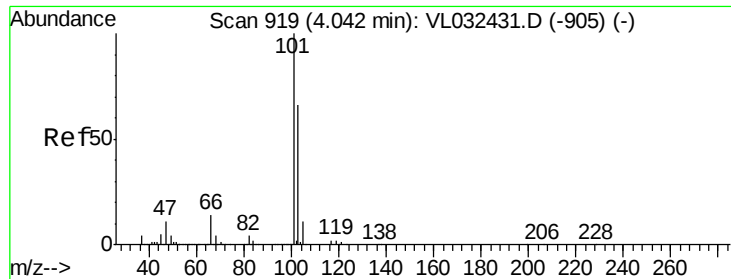
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#10
 Heptane
 Concen: 0.45 ppbv
 RT: 8.30 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	43	Resp	115799
Ion Ratio	Lower	Upper	
43	100		
57	51.0	39.8	59.6





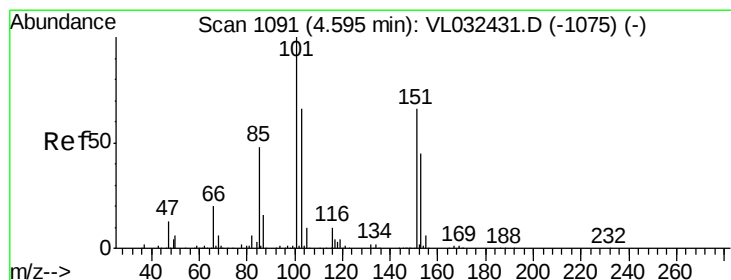
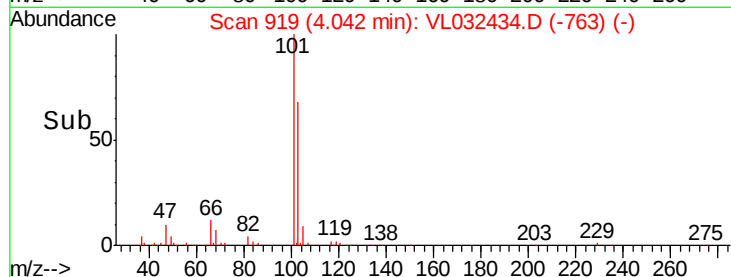
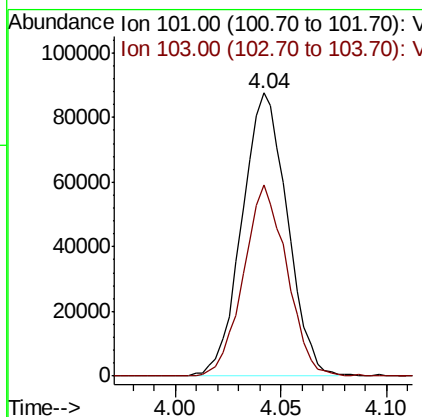
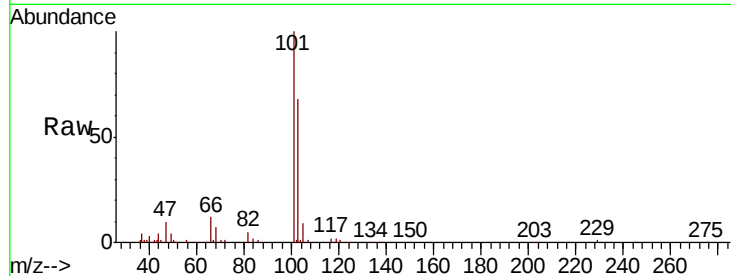
#11
 Trichlorofluoromethane
 Concen: 0.56 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
101	100	130693		
103	68.6	52.8	79.2	

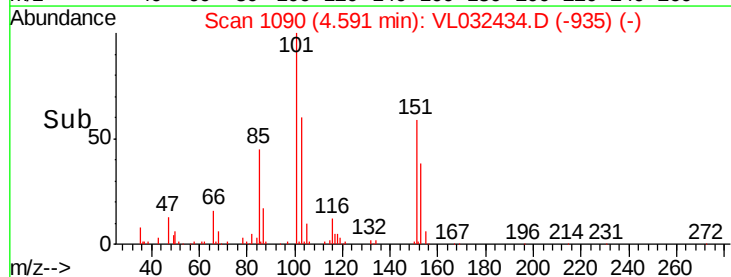
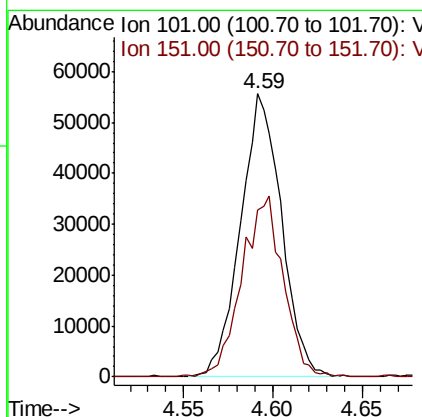
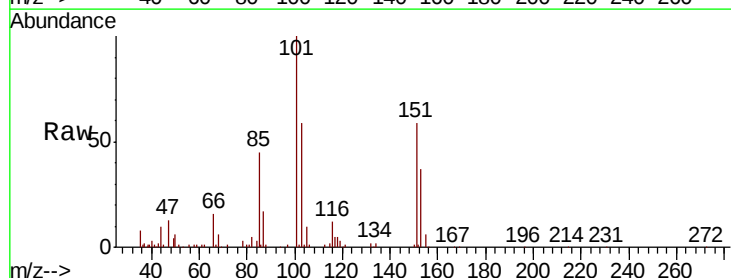
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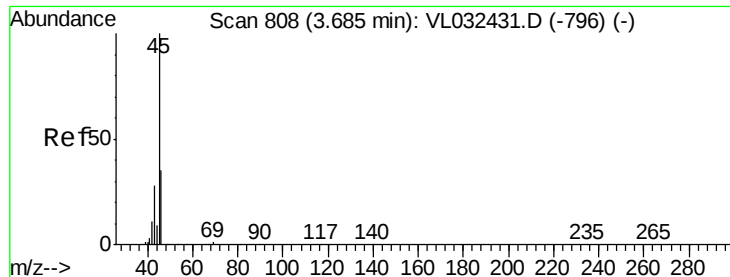
apatel
 9/4/2018 8:25:39 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.57 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	89216		
151	64.6	52.6	78.8	





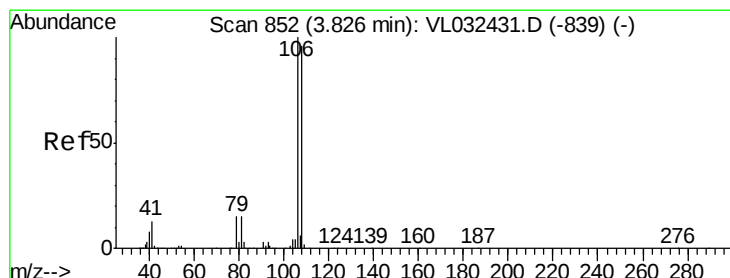
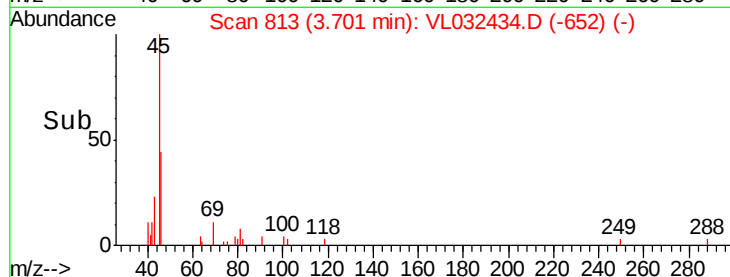
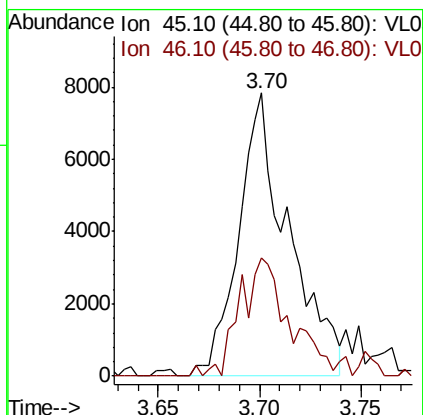
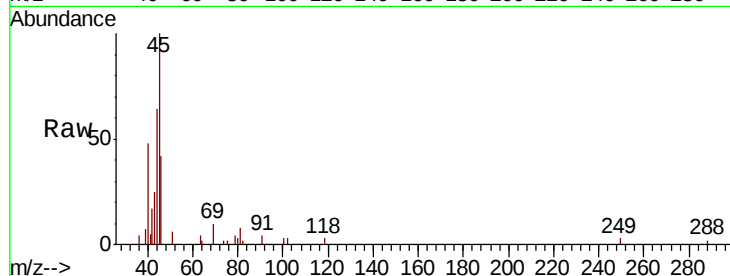
#13
Ethanol
Concen: 0.58 ppbv m
RT: 3.70 min Scan# 813
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	45.3	13.9	55.7

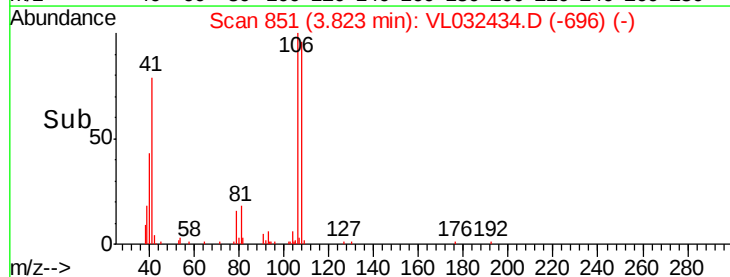
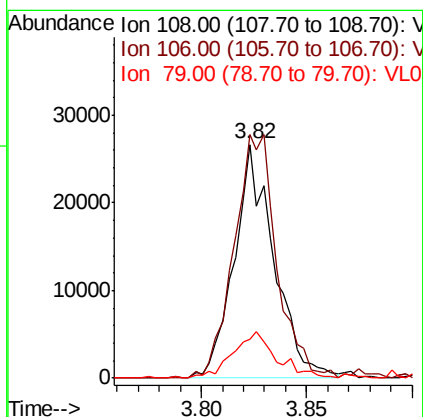
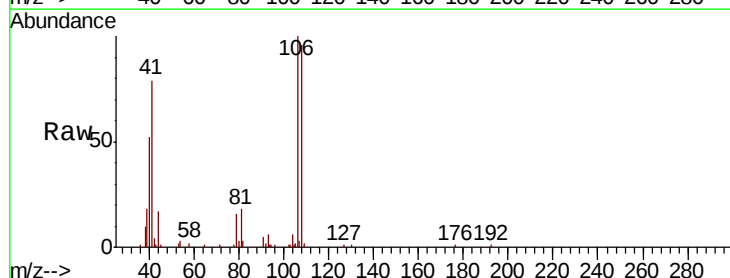
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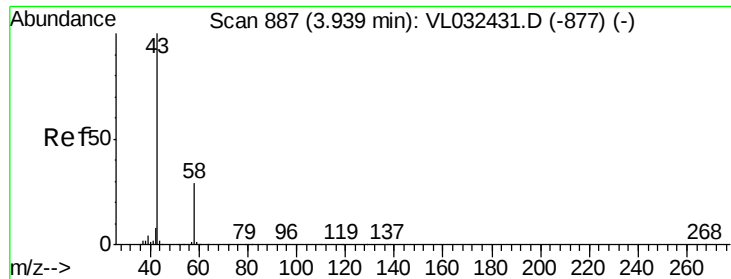
apatel
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#14
Bromoethene
Concen: 0.51 ppbv
RT: 3.82 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.9	85.5	128.3
79	23.4	13.0	19.6





#15

Acetone

Concen: 0.51 ppbv

RT: 3.95 min Scan# 892

Delta R.T. 0.02 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 101548

Ion Ratio Lower Upper

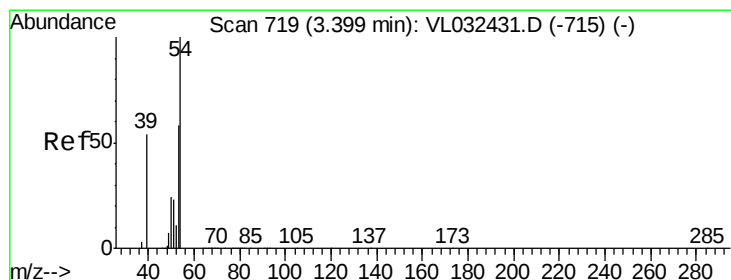
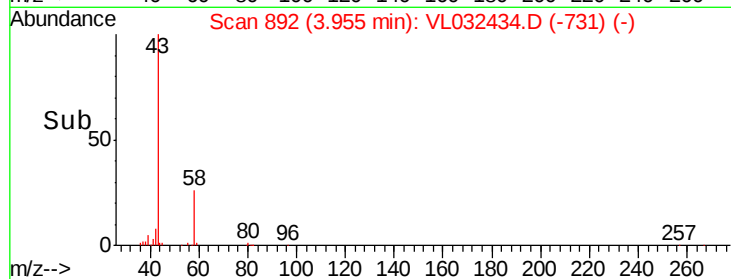
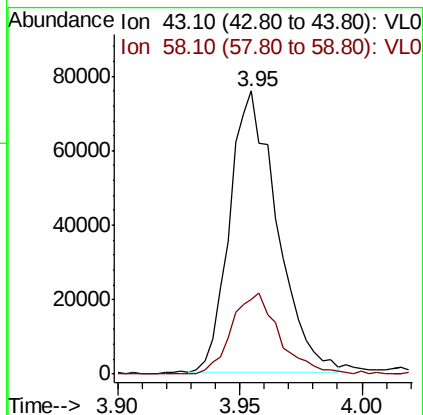
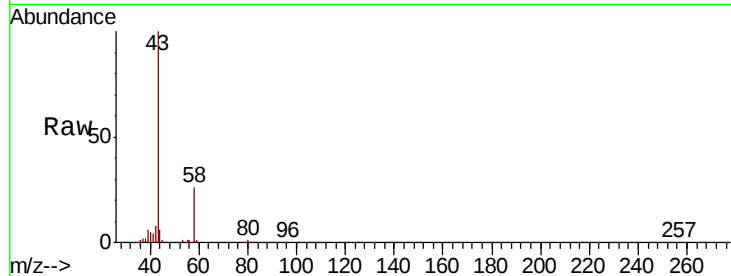
43 100

58 29.4 22.6 33.8

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#16

1,3-Butadiene

Concen: 0.56 ppbv m

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL032434.D

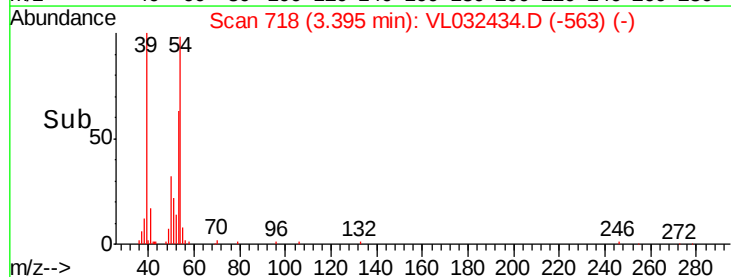
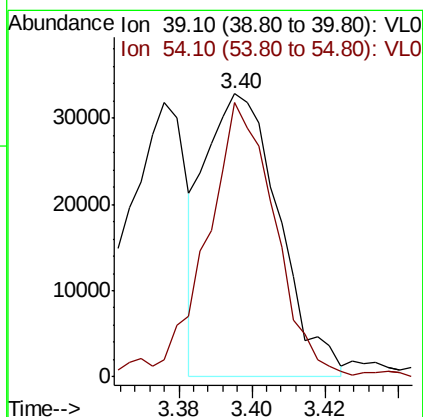
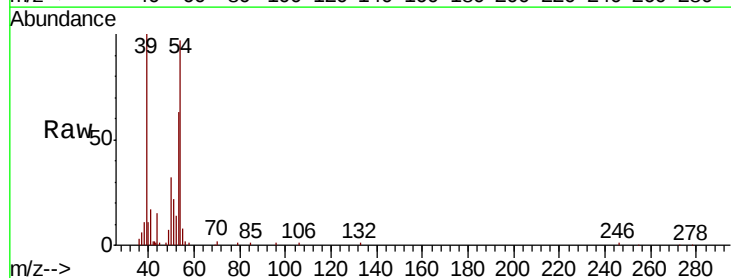
Acq: 31 Aug 2018 2:28

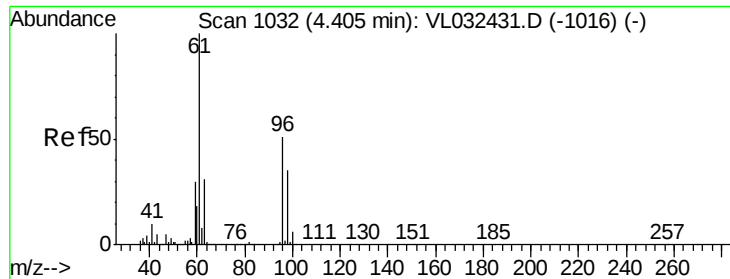
Tgt Ion: 39 Resp: 46361

Ion Ratio Lower Upper

39 100

54 90.7 80.8 121.2





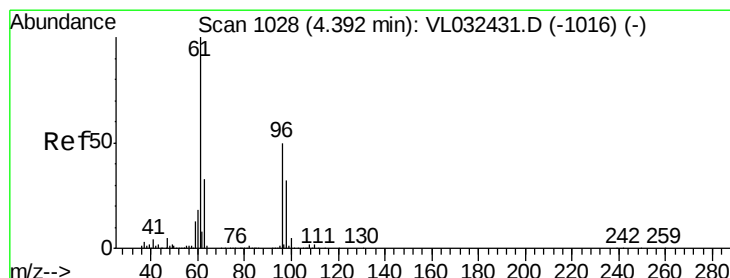
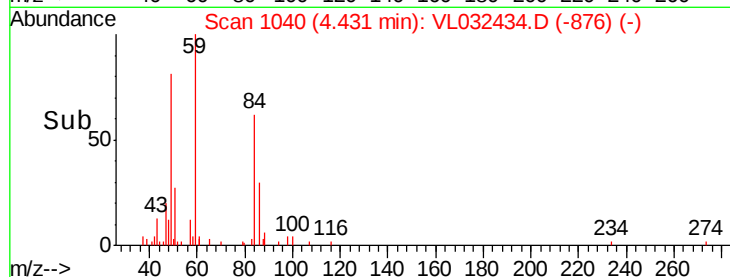
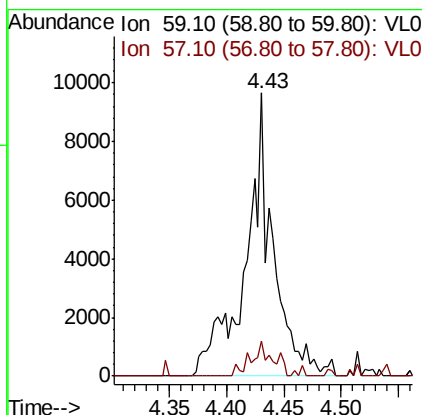
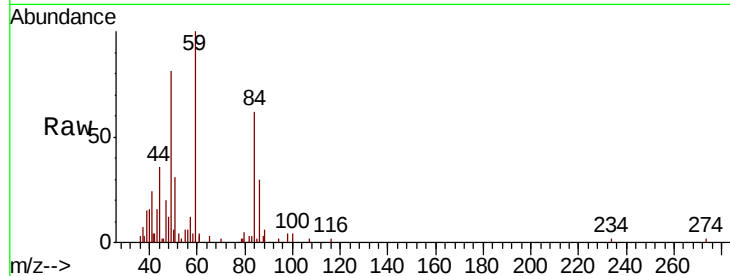
#17
tert-Butyl alcohol
Concen: 0.50 ppbv m
RT: 4.43 min Scan# 1040
Delta R.T. 0.03 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

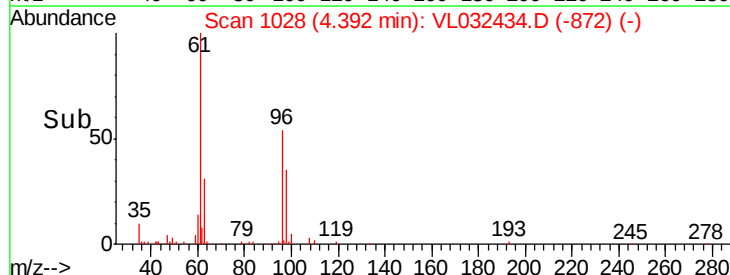
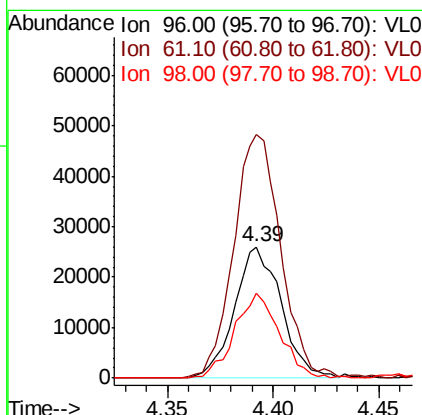
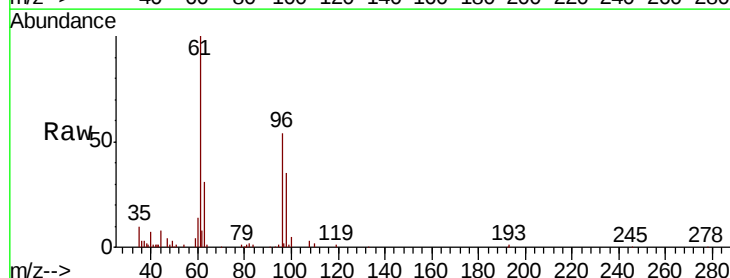
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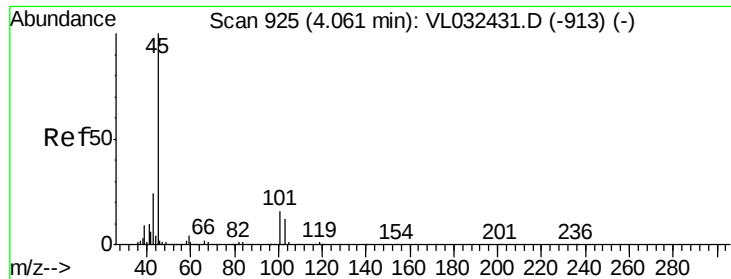
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#18
1,1-Dichloroethene
Concen: 0.55 ppbv
RT: 4.39 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.8	159.2	238.8
98	66.7	51.0	76.4





#19

Isopropyl Alcohol

Concen: 0.53 ppbv m

RT: 4.09 min Scan# 933

Delta R.T. 0.03 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 66575

Ion Ratio Lower Upper

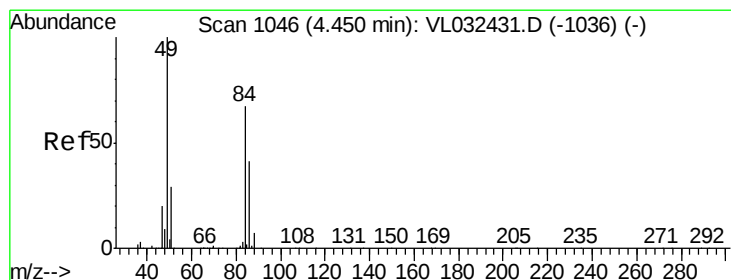
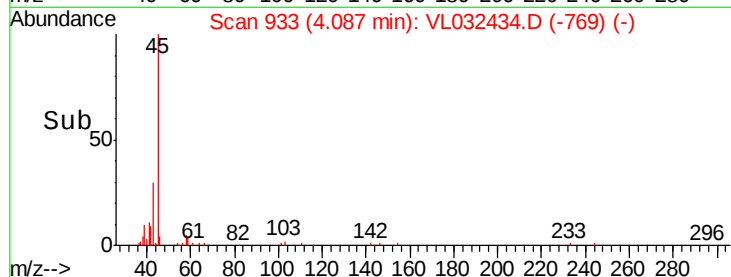
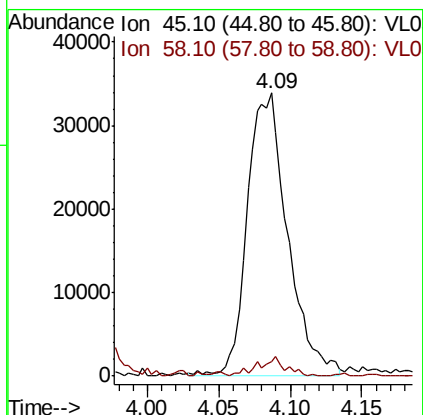
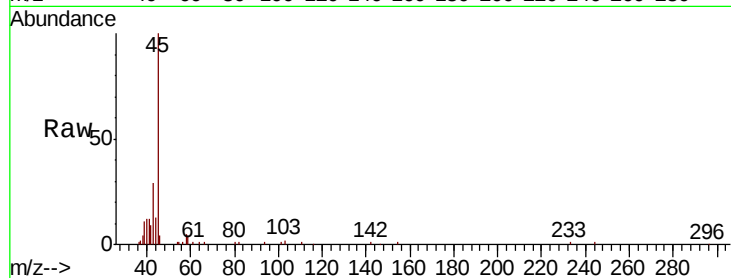
45 100

58 5.4 2.0 3.0#

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#20

Methylene Chloride

Concen: 0.56 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion: 84 Resp: 41482

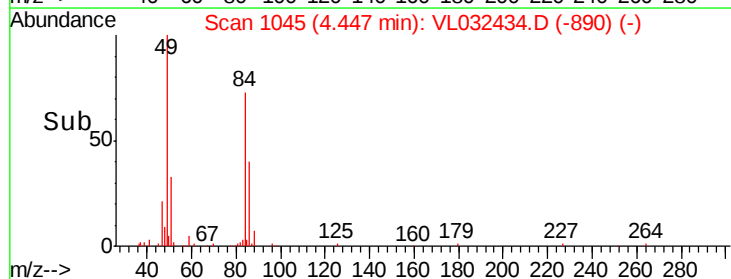
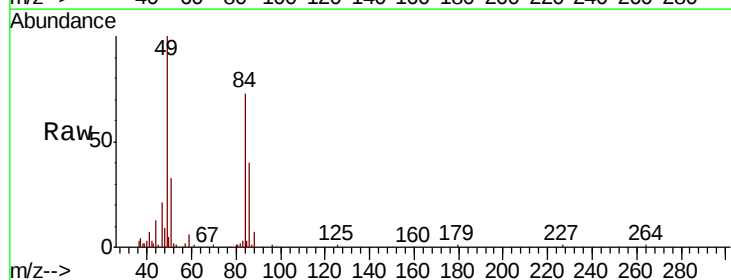
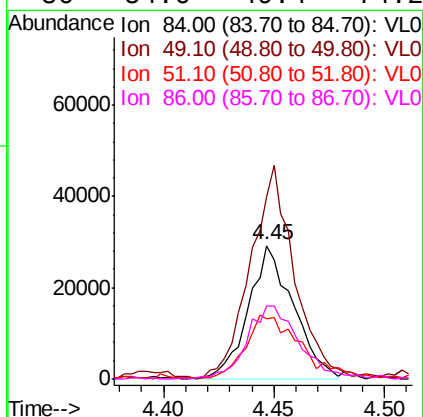
Ion Ratio Lower Upper

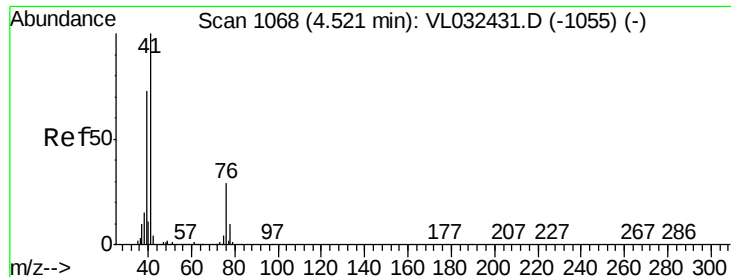
84 100

49 134.6 119.1 178.7

51 44.8 35.2 52.8

86 54.6 49.4 74.2





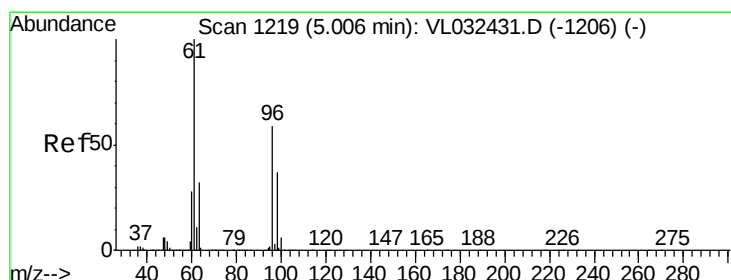
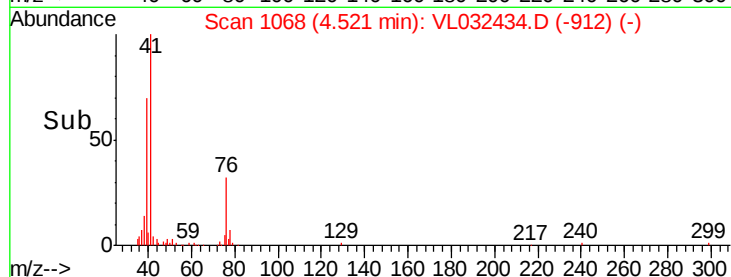
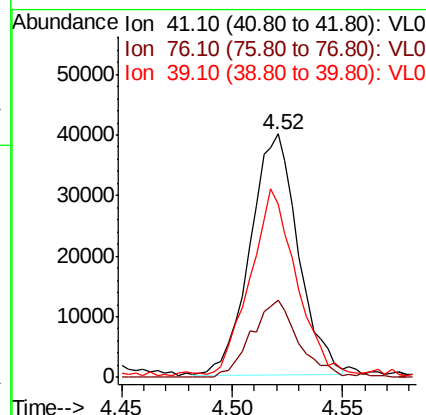
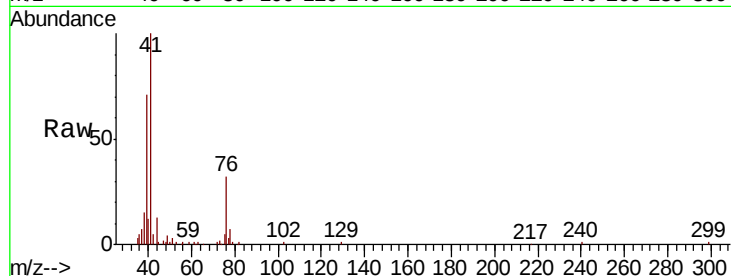
#21
Allvl Chloride
Concen: 0.48 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.7	23.6	35.4
39	76.9	57.7	86.5

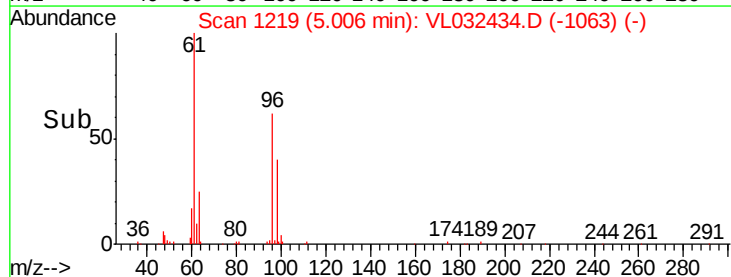
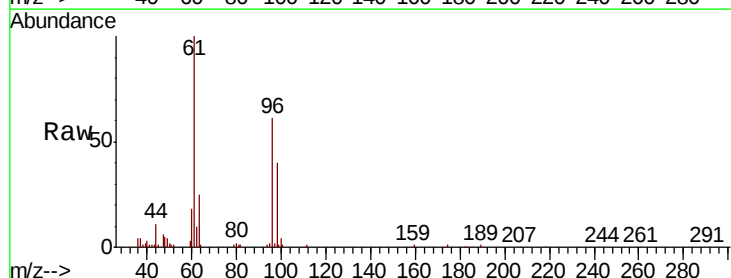
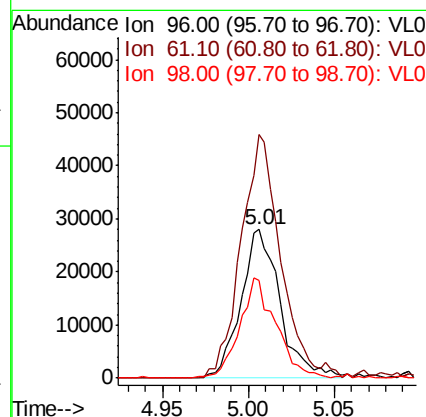
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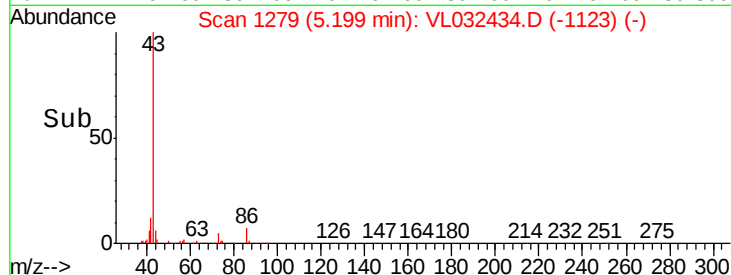
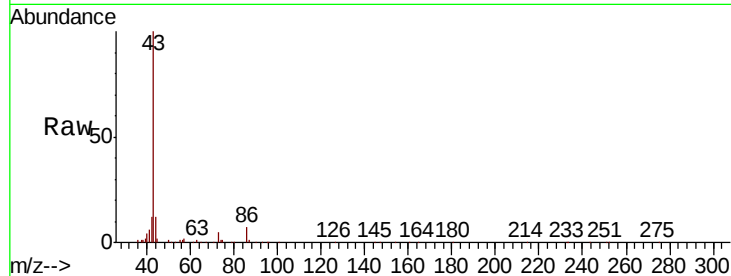
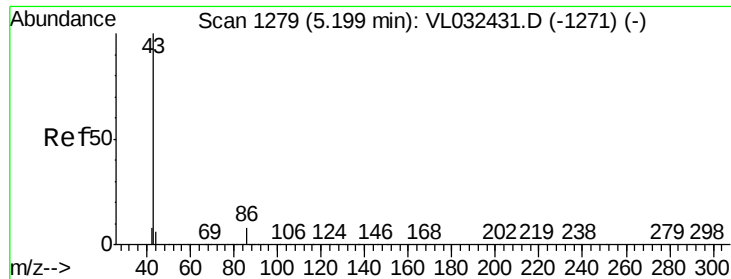
apatel
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#22
trans-1,2-Dichloroethene
Concen: 0.57 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	136.2	204.4
98	65.6	50.4	75.6





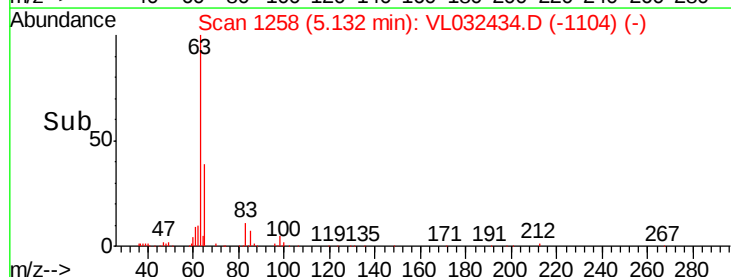
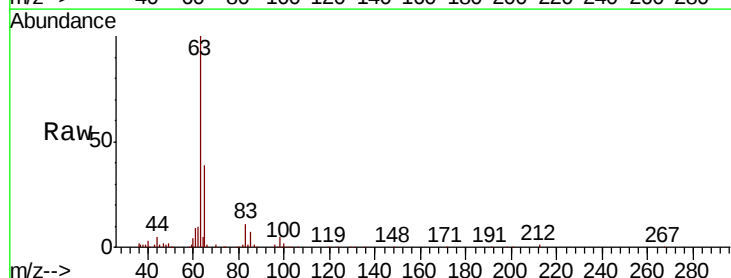
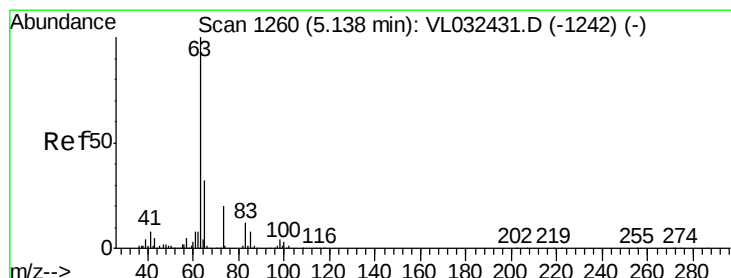
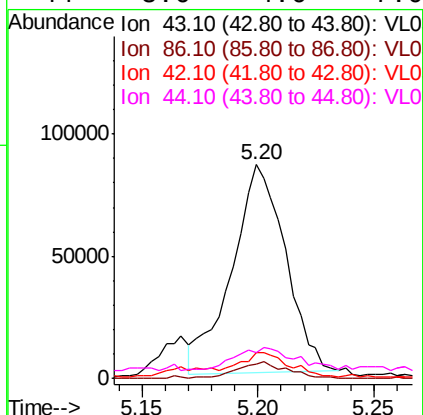
#23
 Vinyl Acetate
 Concen: 0.44 ppbv
 RT: 5.20 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
86	6.6	5.9	8.9	
42	12.2	6.9	10.3	
44	8.6	4.6	7.0	

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

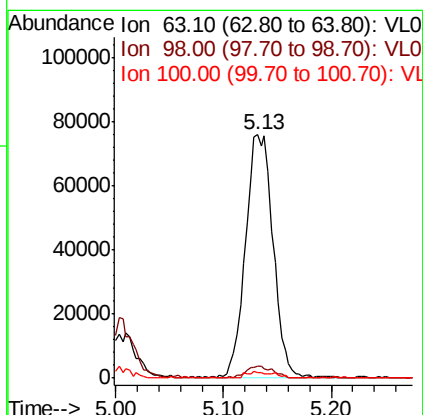
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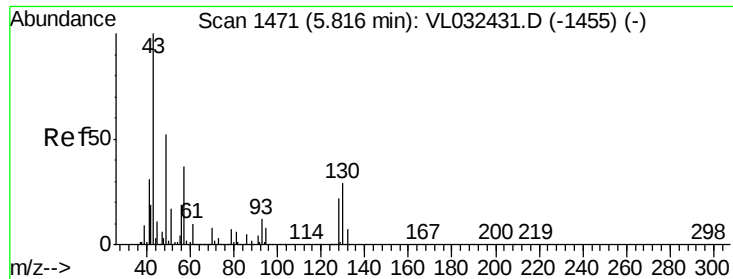
apatel
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#24
 1,1-Dichloroethane
 Concen: 0.55 ppbv m
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.1	2.1	6.5	
100	2.3	1.5	4.4	





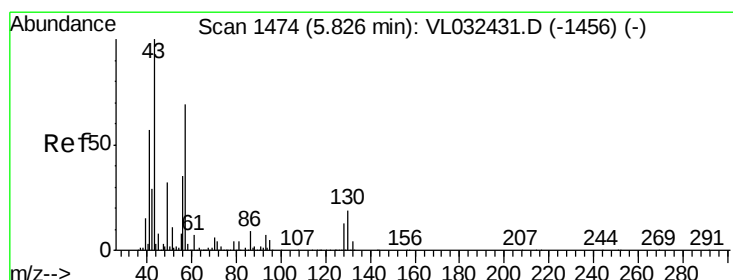
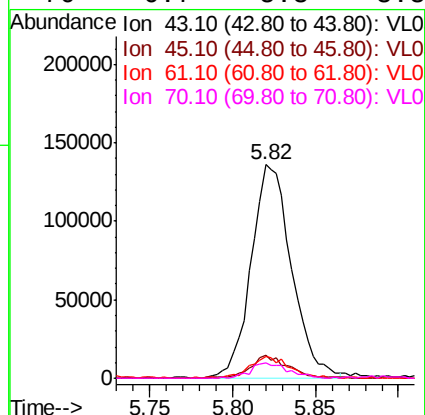
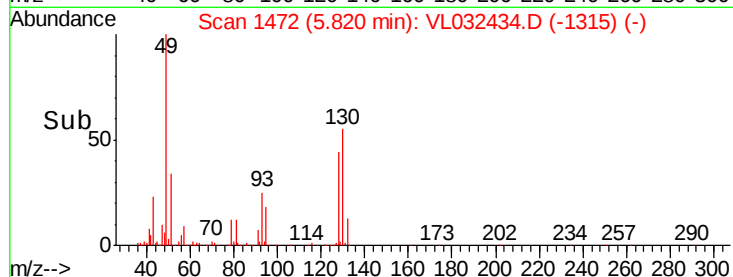
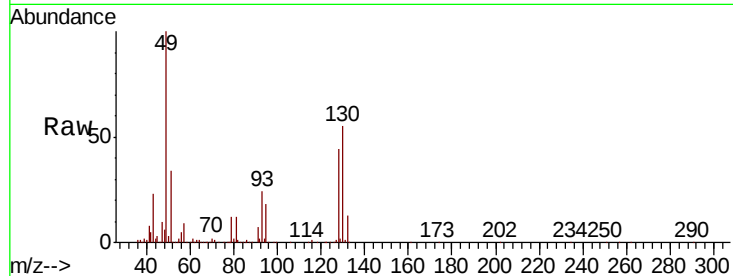
#25
Ethyl Acetate
Concen: 0.55 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.1	8.0	12.0		
61	10.3	7.6	11.4		
70	6.7	5.8	8.8		

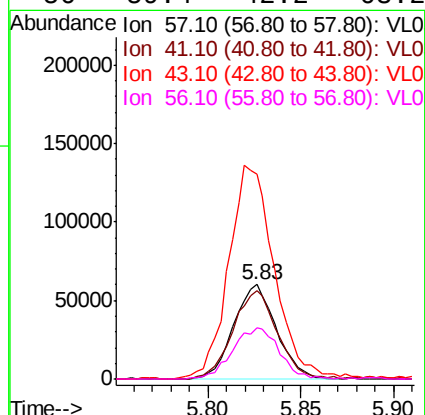
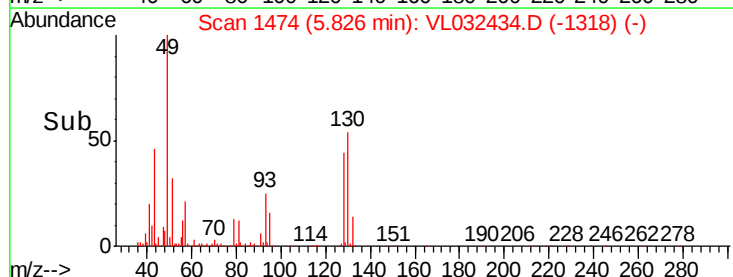
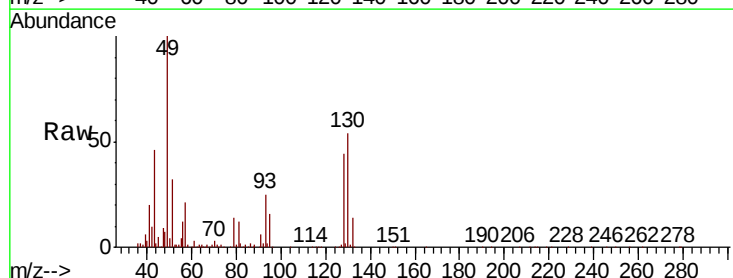
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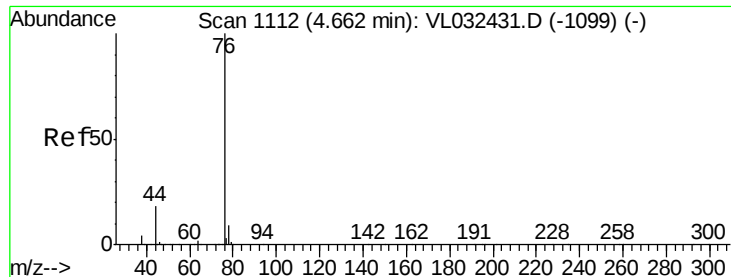
apatel
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#26
Hexane
Concen: 0.51 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	98.7	68.4	102.6		
43	242.6	172.6	258.8		
56	59.4	42.2	63.2		





#27

Carbon Disulfide

Concen: 0.48 ppbv

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

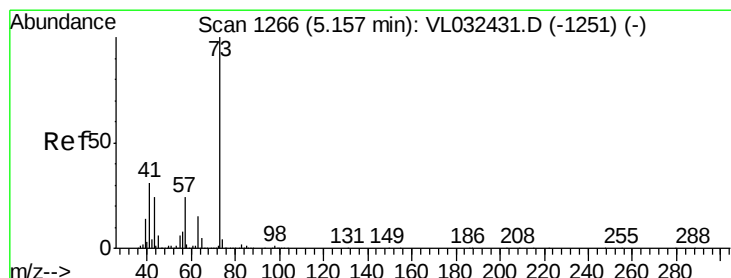
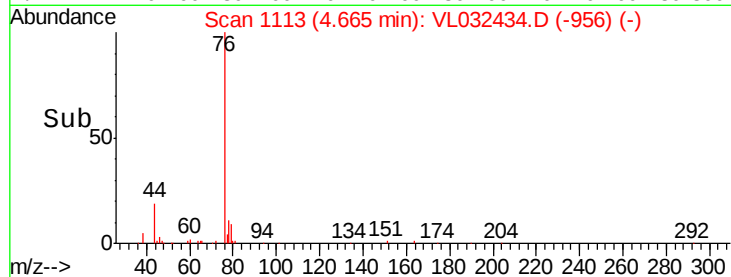
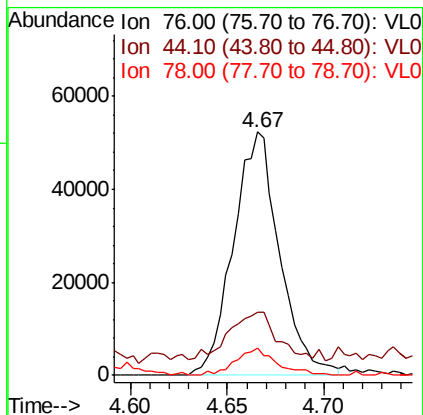
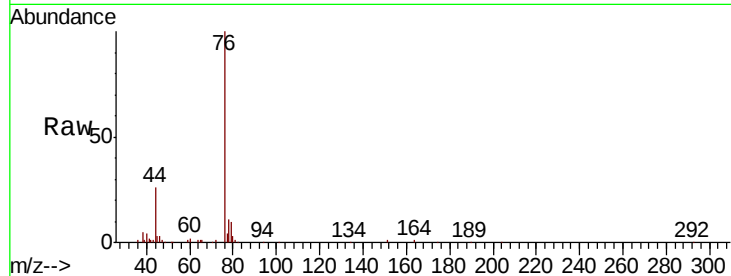
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	87151
Ion Ratio	Lower	Upper	
76	100		
44	27.0	14.0	21.0#
78	10.1	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 0.47 ppbv

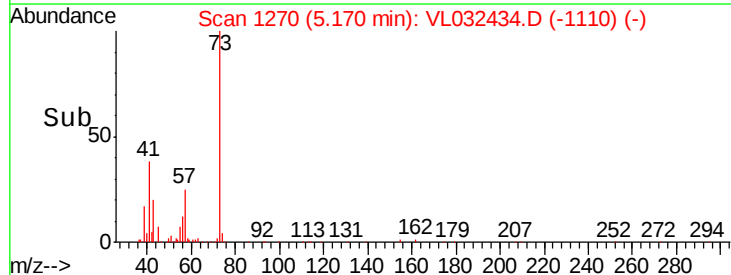
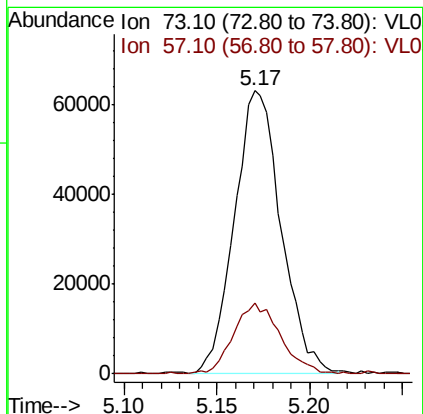
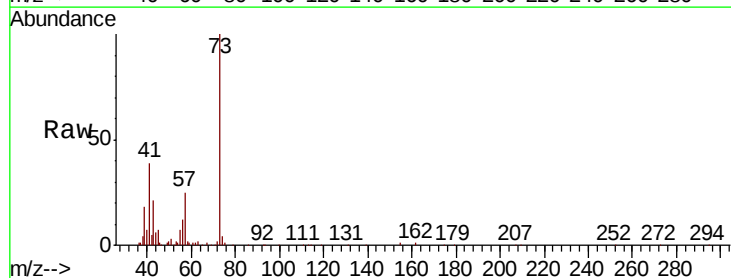
RT: 5.17 min Scan# 1270

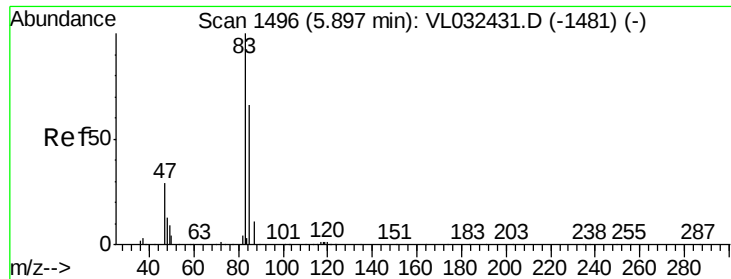
Delta R.T. 0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion:	73	Resp:	109879
Ion Ratio	Lower	Upper	
73	100		
57	25.3	19.3	28.9





#29

Chloroform

Concen: 0.55 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

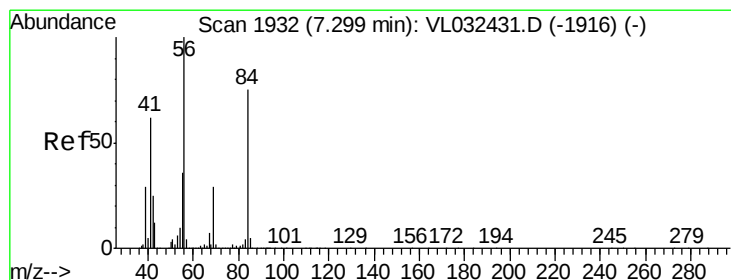
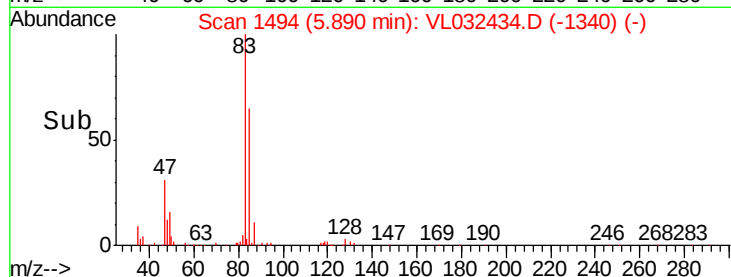
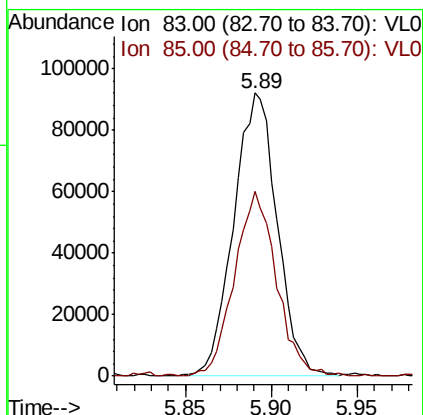
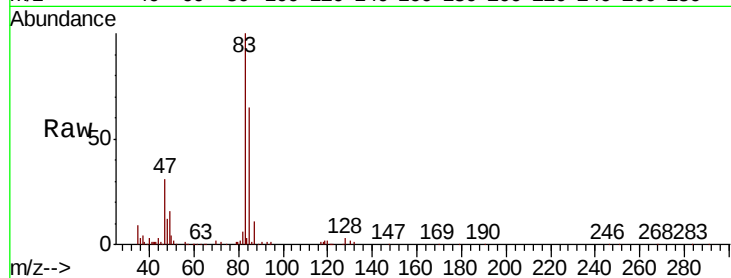
ClientSampleId :

VSTDIC0.5

Tot Ion	83	Resp	161713
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.5	78.7

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#30

Cyclohexane

Concen: 0.49 ppbv m

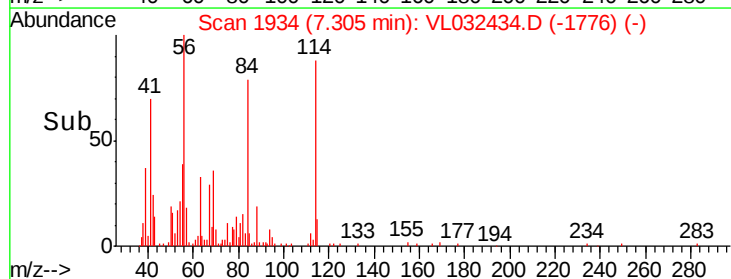
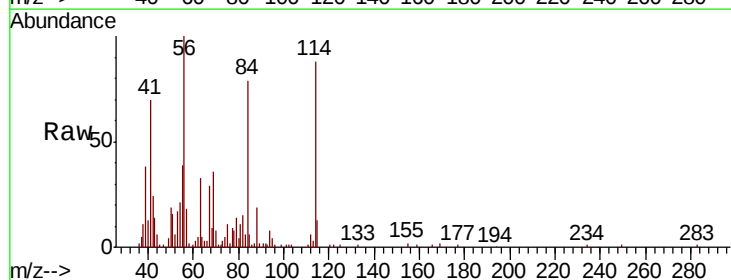
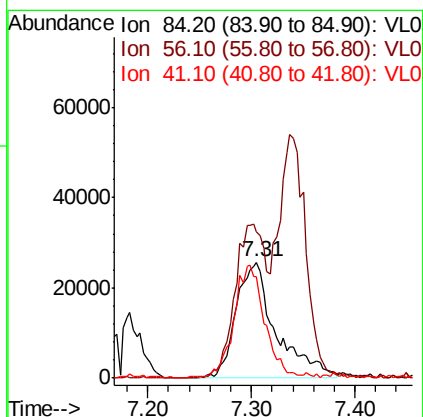
RT: 7.31 min Scan# 1934

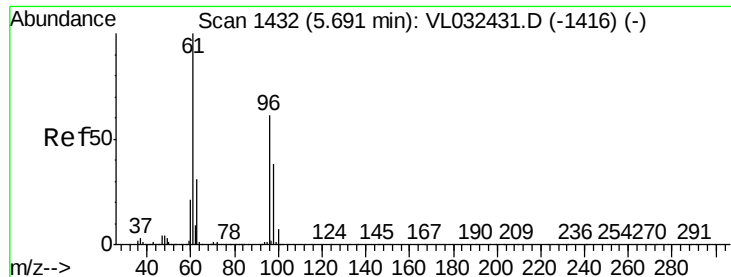
Delta R.T. 0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion	84	Resp	68305
Ion Ratio	100	Lower	Upper
84	100		
56	99.2	113.5	170.3#
41	75.4	68.0	102.0





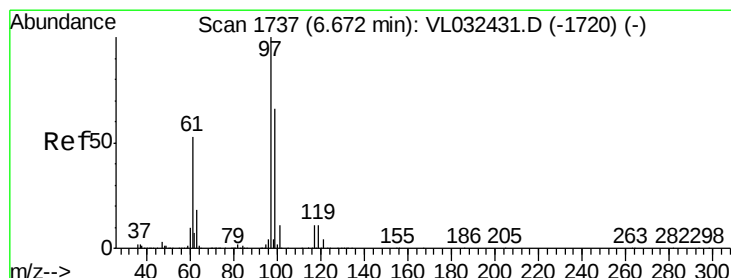
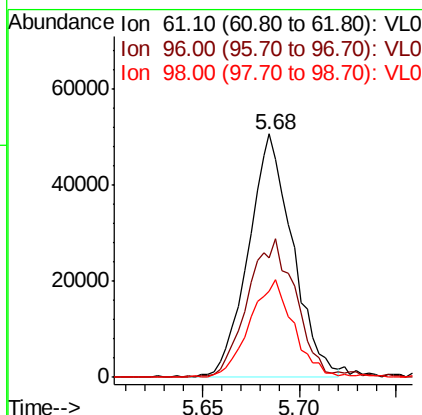
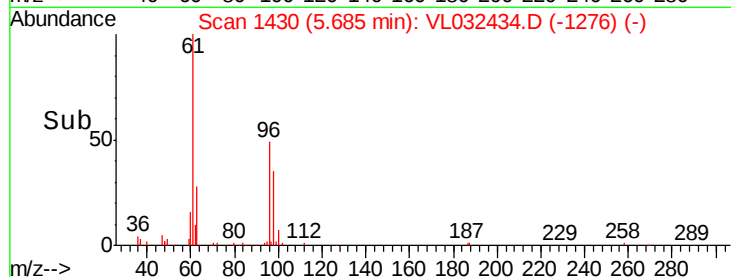
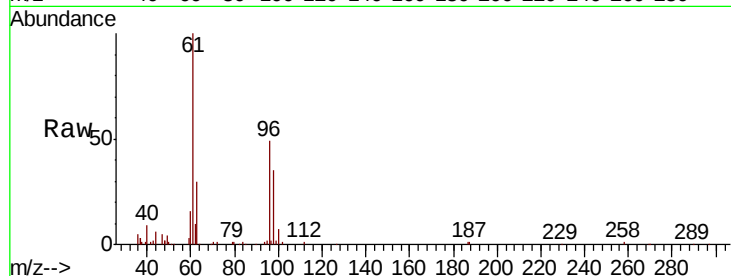
#31
 cis-1,2-Dichloroethene
 Concen: 0.47 ppbv
 RT: 5.68 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	48.5	49.2	73.8#
98	35.0	30.7	46.1

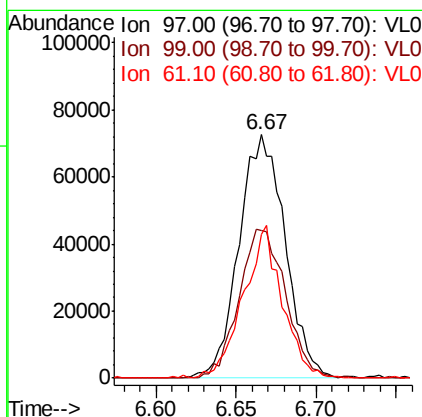
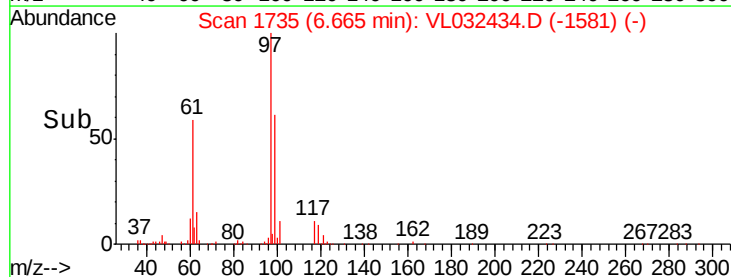
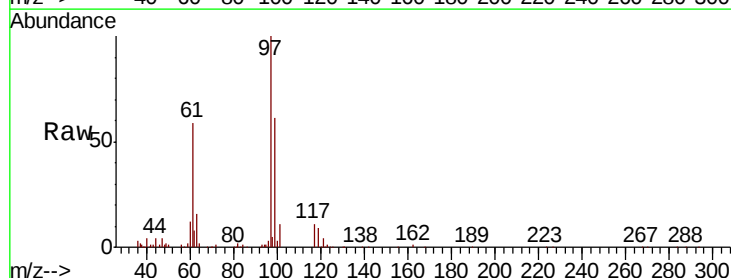
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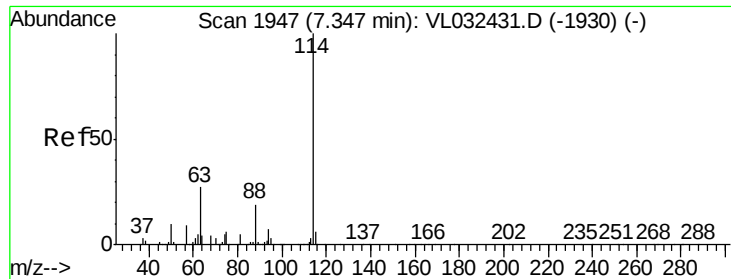
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#32
 1,1,1-Trichloroethane
 Concen: 0.57 ppbv
 RT: 6.67 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.1	78.1
61	53.3	42.6	64.0





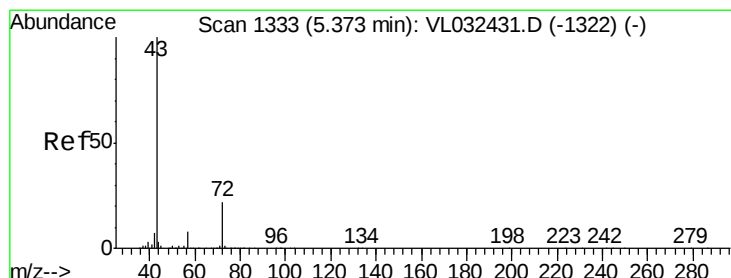
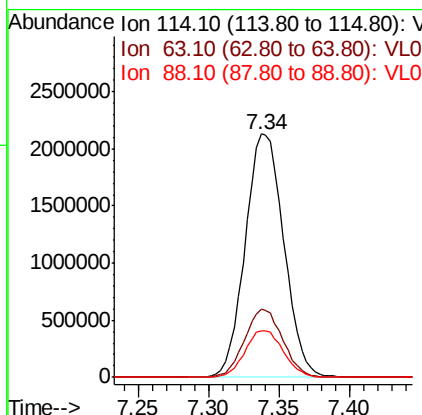
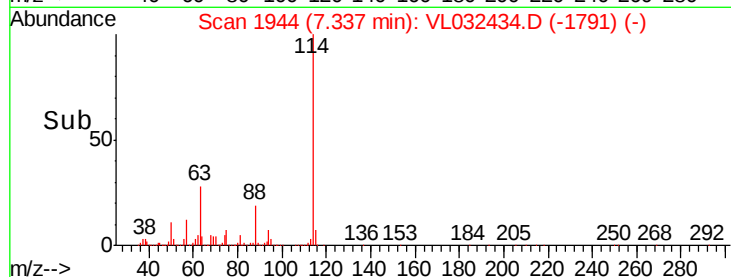
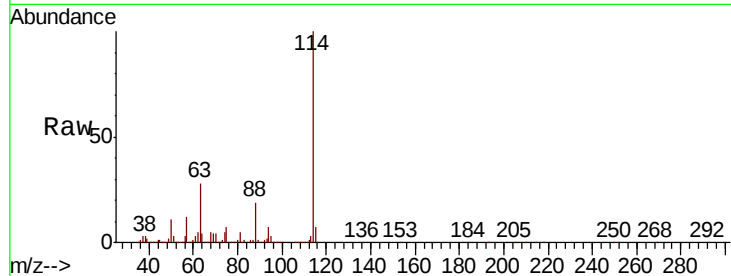
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.1	33.1
88	19.1	15.0	22.6

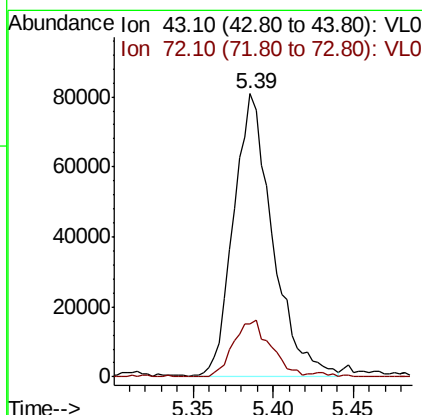
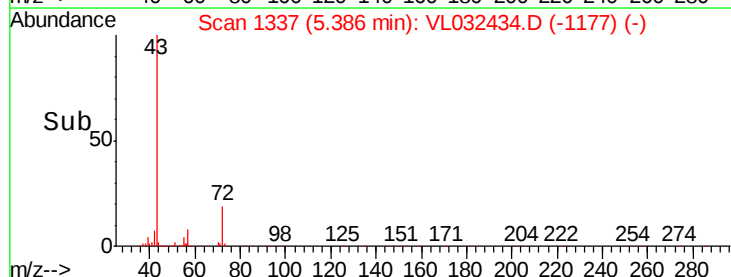
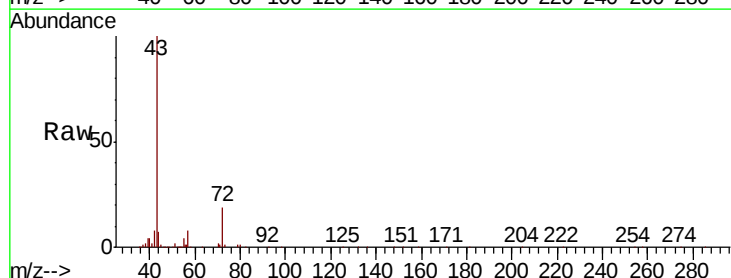
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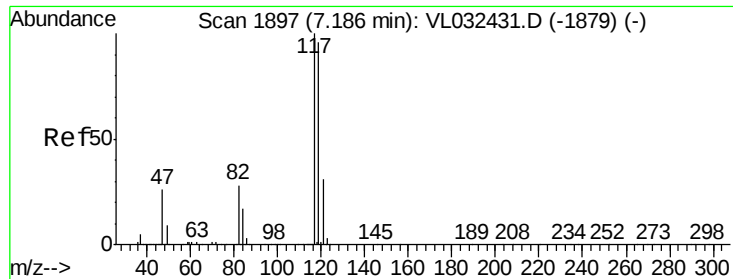
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#34
 2-Butanone
 Concen: 0.51 ppbv
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.2	17.8	26.6





#35

Carbon Tetrachloride

Concen: 0.55 ppbv

RT: 7.18 min Scan# 1895

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

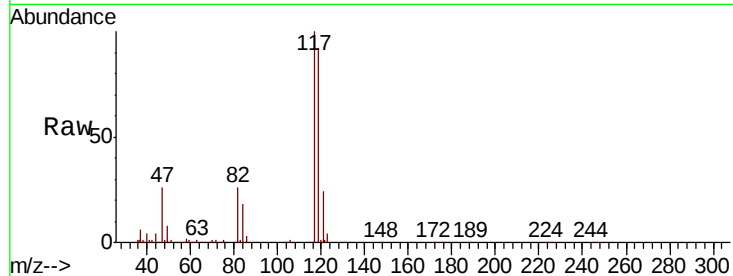
ClientSampleId :

VSTDIC0.5

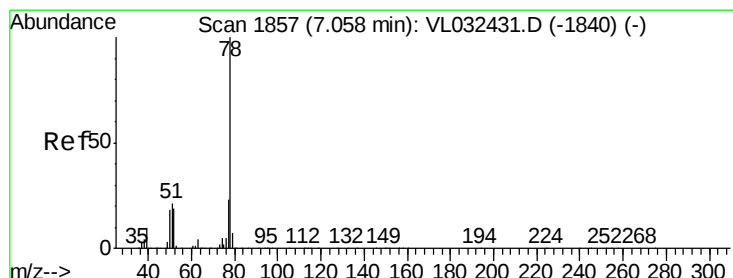
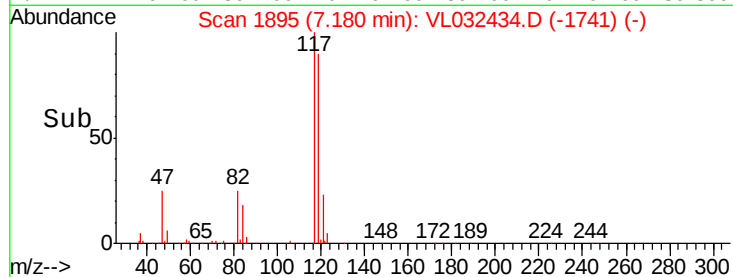
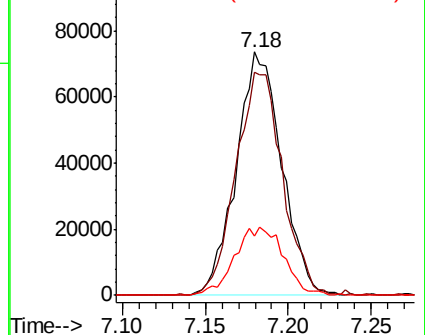
Tot Ion:	117	Resp:	140569
Ion Ratio	Lower	Upper	
117	100		
119	91.7	76.6	115.0
121	24.8	24.6	36.8

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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: 0.48 ppbv

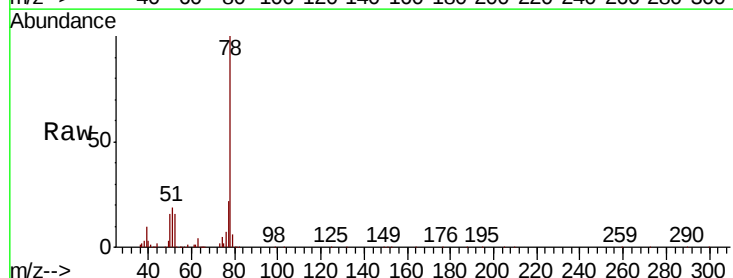
RT: 7.05 min Scan# 1856

Delta R.T. -0.00 min

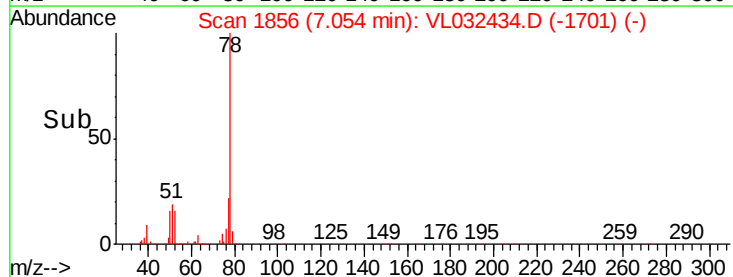
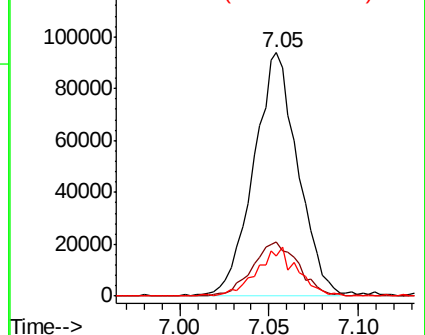
Lab File: VL032434.D

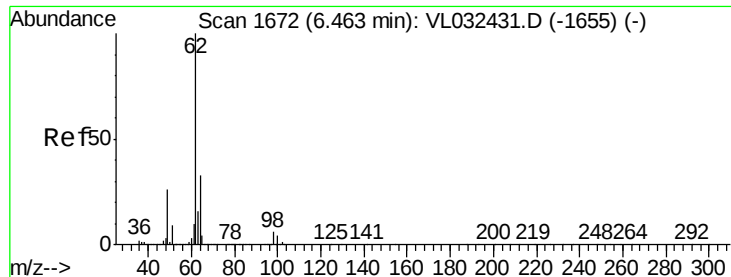
Acq: 31 Aug 2018 2:28

Tgt Ion:	78	Resp:	162634
Ion Ratio	Lower	Upper	
78	100		
77	21.9	18.4	27.6
50	16.2	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





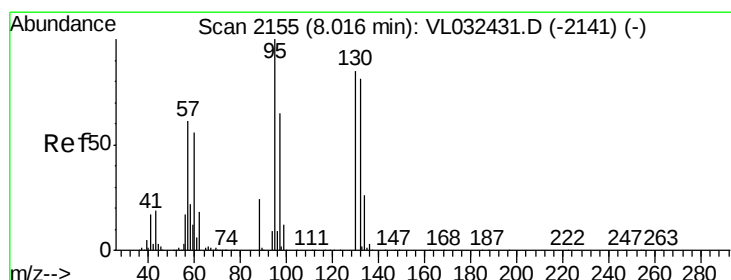
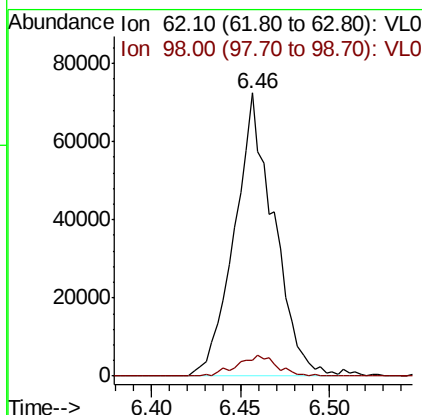
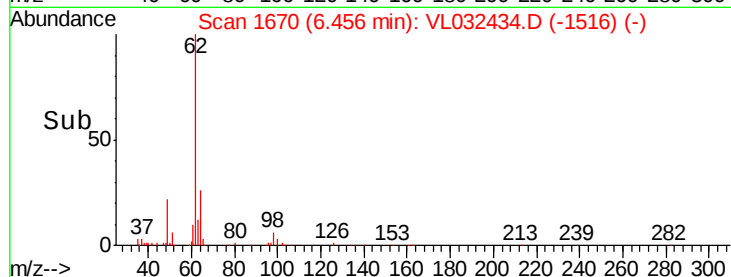
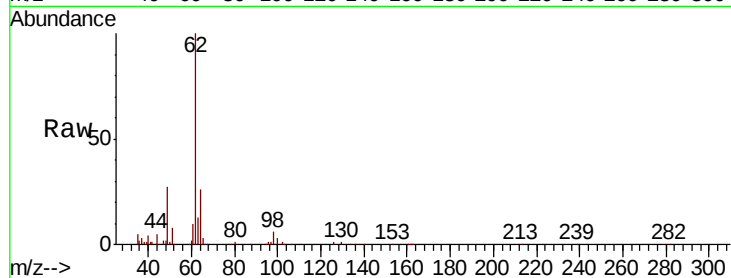
#37
1,2-Dichloroethane
Concen: 0.53 ppbv
RT: 6.46 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	111592		
98	7.3	5.0	7.6	

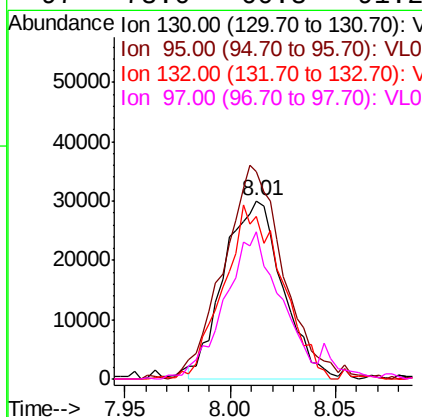
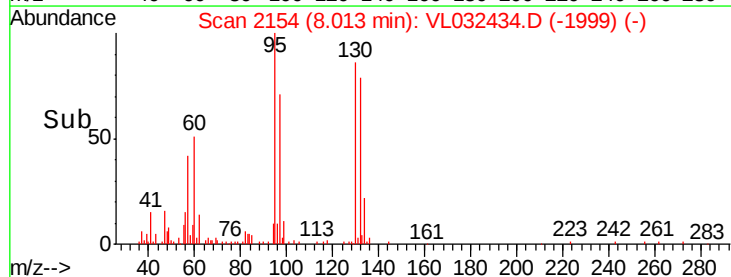
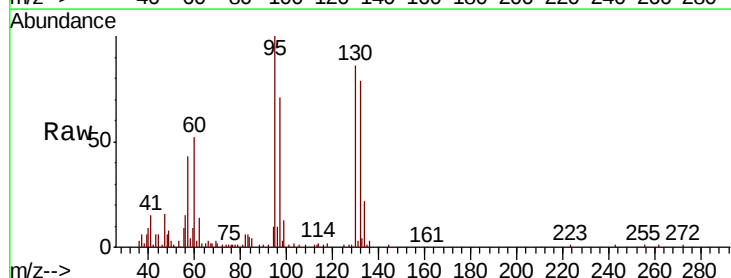
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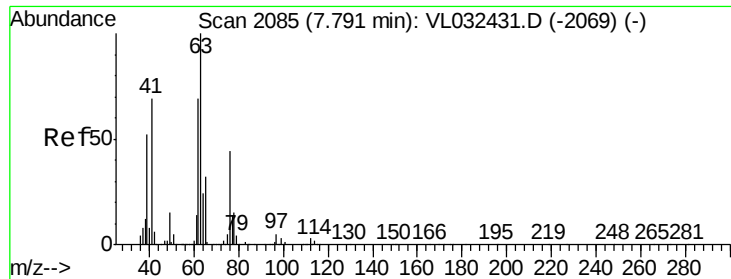
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#38
Trichloroethene
Concen: 0.51 ppbv
RT: 8.01 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	57809		
95	114.4	94.2	141.4	
132	97.4	76.2	114.4	
97	78.0	60.8	91.2	





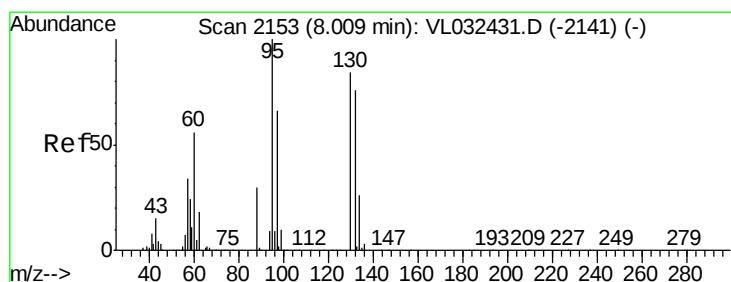
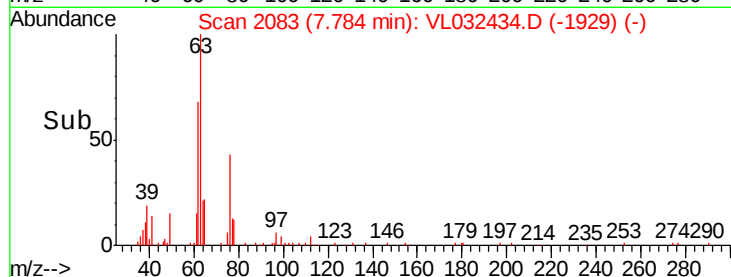
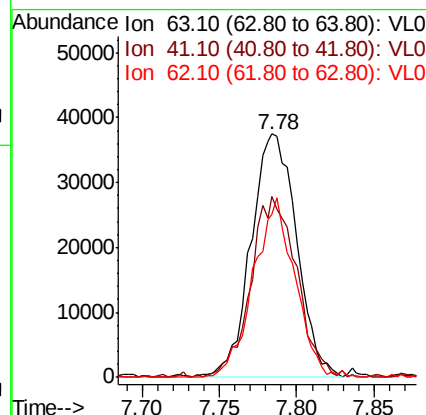
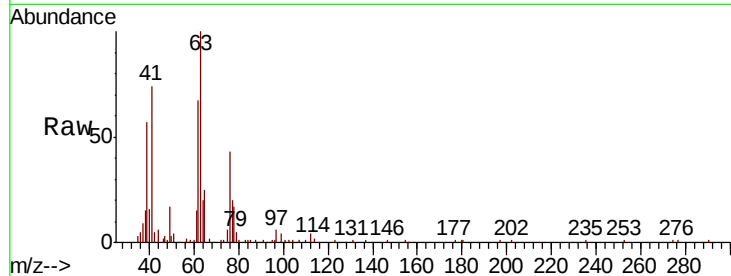
#39
 1,2-Dichloropropane
 Concen: 0.54 ppbv
 RT: 7.78 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.6	55.4	83.0
62	67.2	55.4	83.0

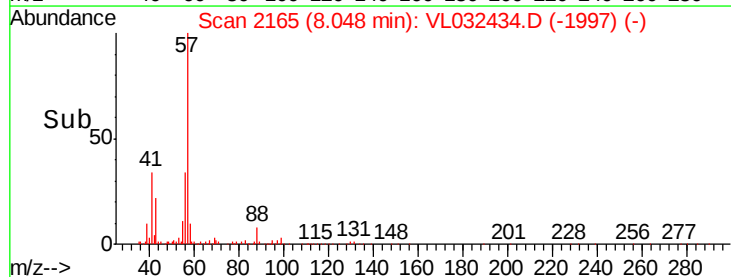
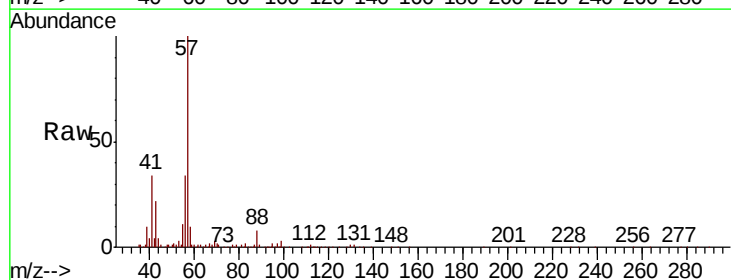
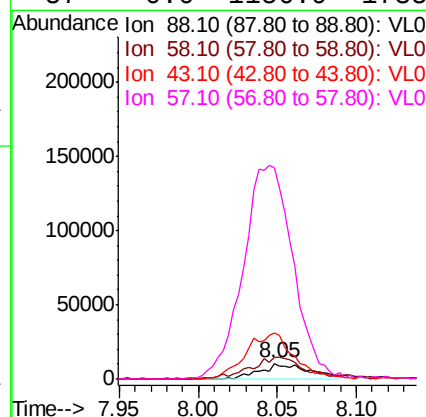
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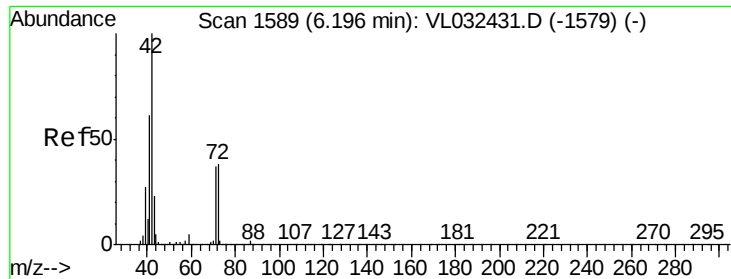
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#40
 1,4-Dioxane
 Concen: 0.52 ppbv m
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.04 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

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





#41

Tetrahydrofuran

Concen: 0.44 ppbv

RT: 6.22 min Scan# 1596

Delta R.T. 0.02 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

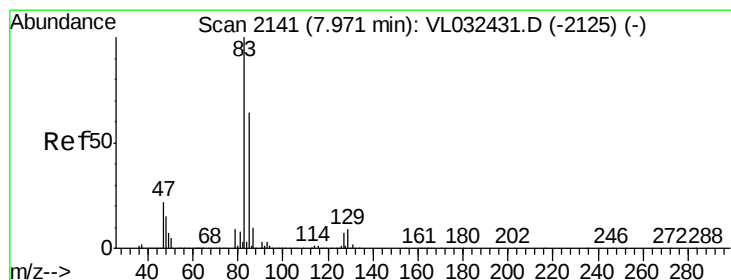
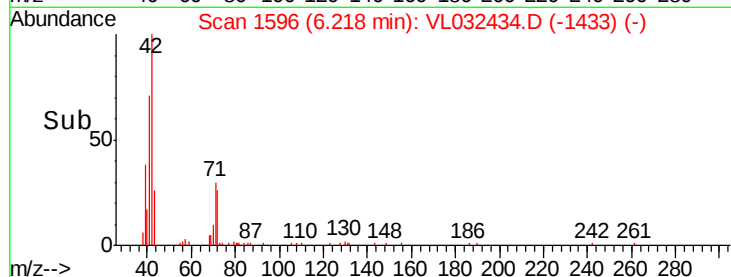
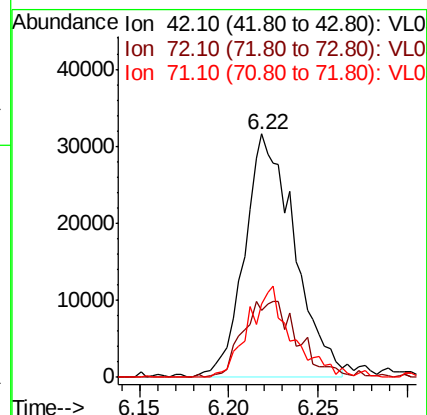
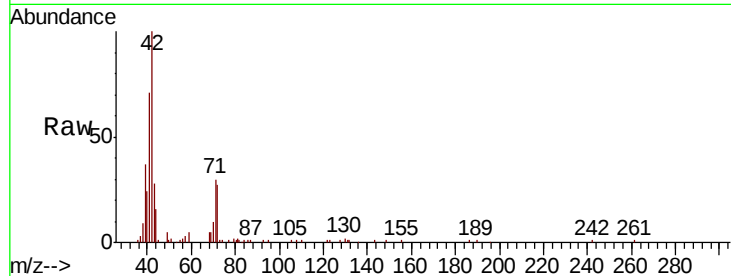
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	29.5	44.3
71	33.1	28.3	42.5

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#42

Bromodichloromethane

Concen: 0.52 ppbv m

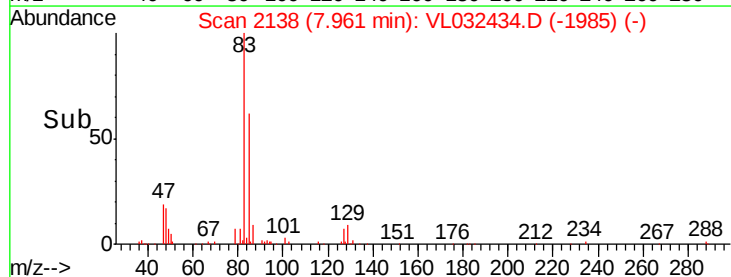
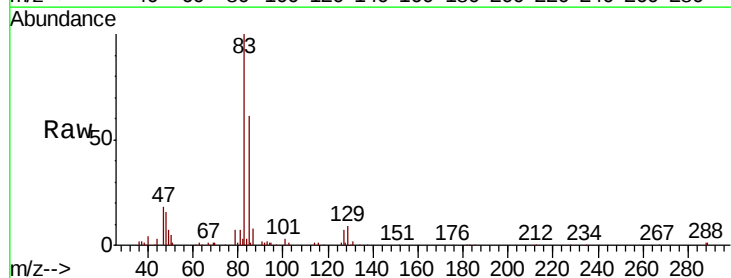
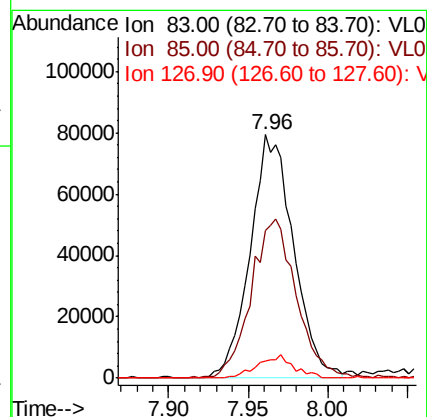
RT: 7.96 min Scan# 2138

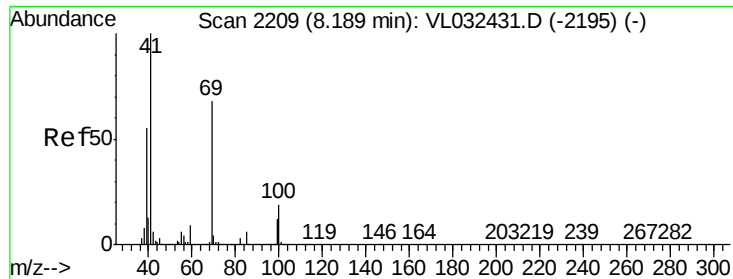
Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.1	76.7
127	7.2	5.8	8.8





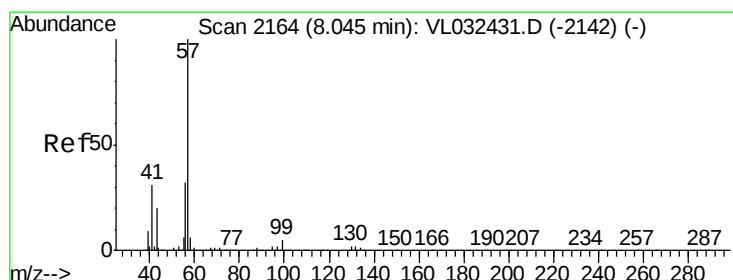
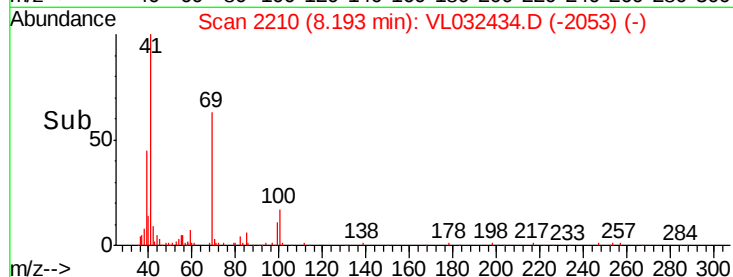
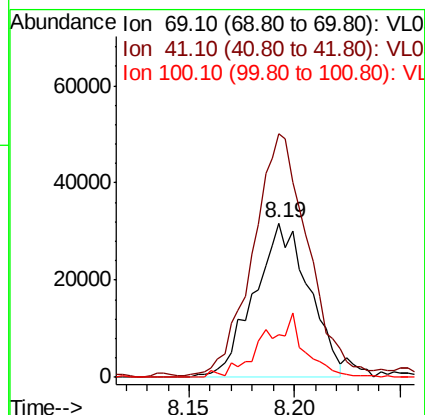
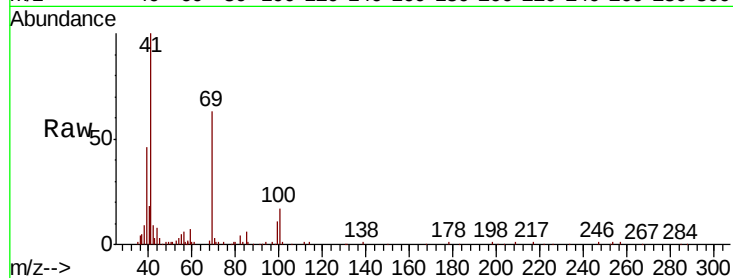
#43
Methvl Methacrilate
Concen: 0.41 ppbv
RT: 8.19 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	163.2	117.2	175.8	
100	31.7	23.4	35.2	

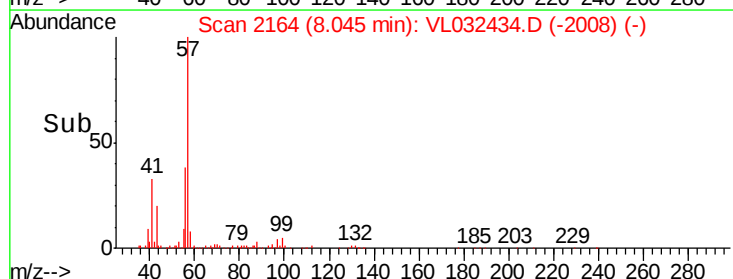
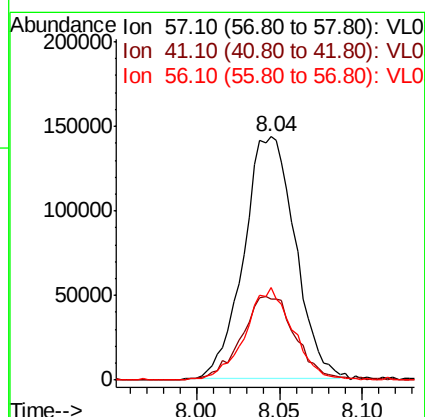
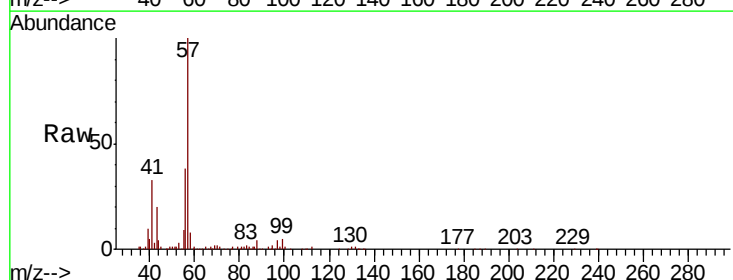
Manual Integrations
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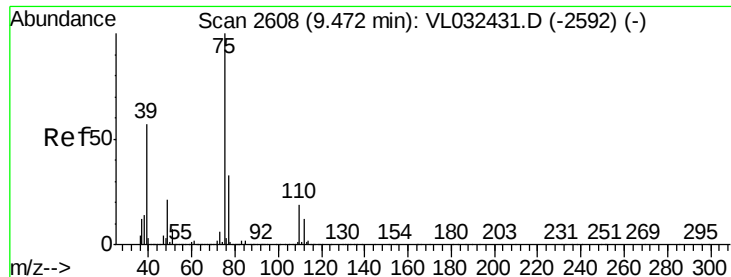
apatel
9/4/2018 8:25:39 AM



#44
2,2,4-Trimethylpentane
Concen: 0.48 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.6	24.3	36.5#	
56	36.0	25.7	38.5	





#45

t-1,3-Dichloropropene

Concen: 0.33 ppbv

RT: 9.47 min Scan# 2606

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 54444

Ion Ratio Lower Upper

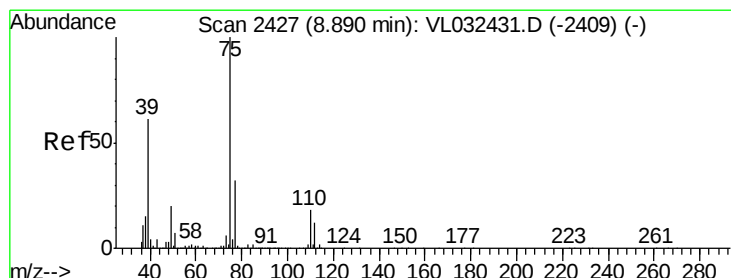
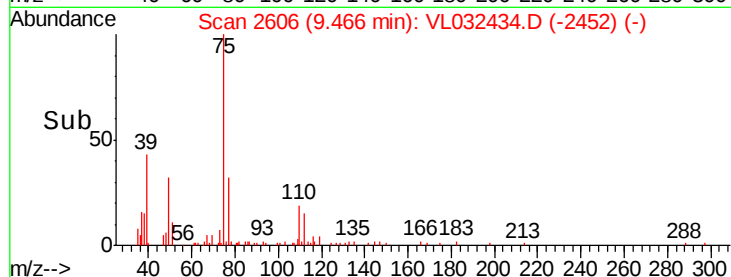
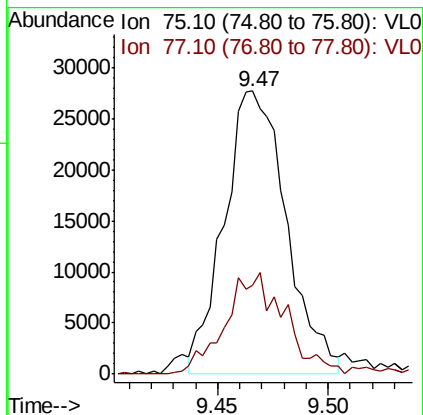
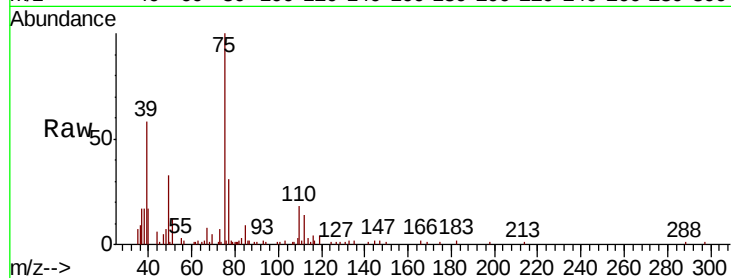
75 100

77 31.3 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 0.38 ppbv

RT: 8.88 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

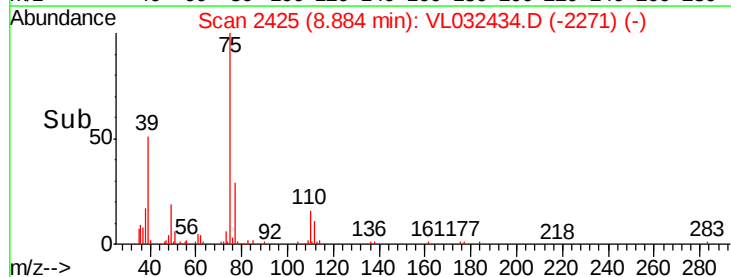
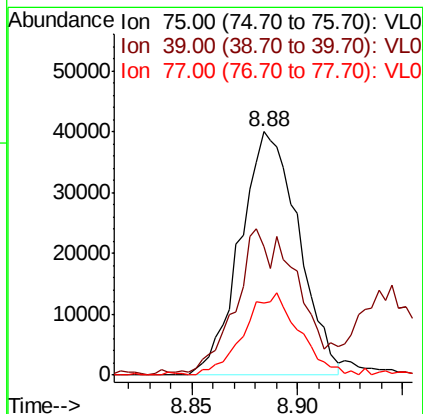
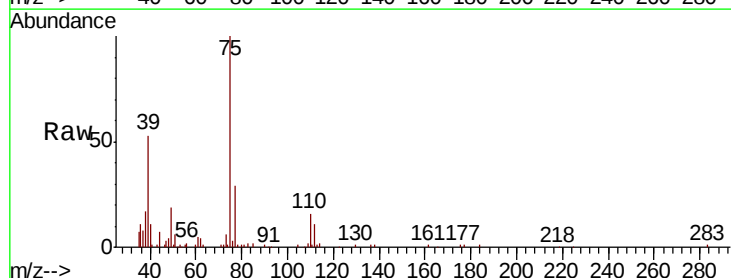
Tgt Ion: 75 Resp: 77125

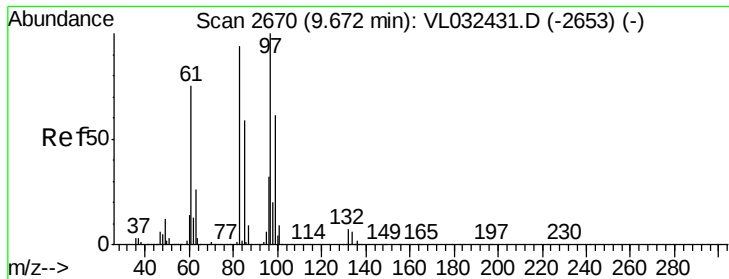
Ion Ratio Lower Upper

75 100

39 51.4 48.9 73.3

77 29.5 25.4 38.0





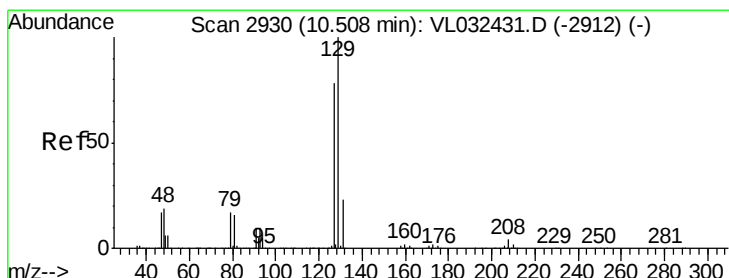
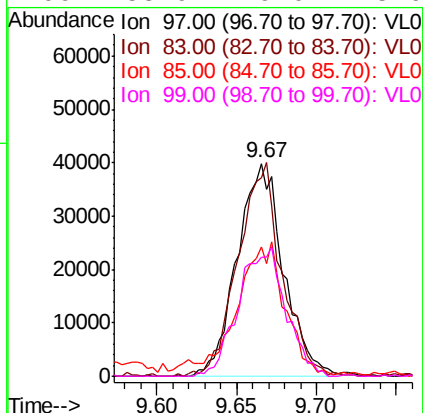
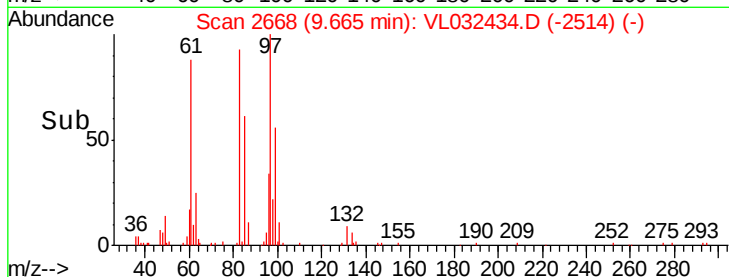
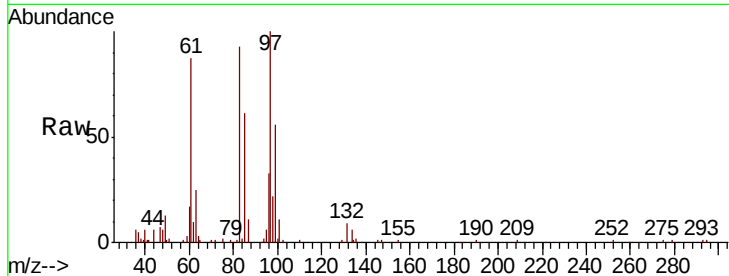
#47
 1,1,2-Trichloroethane
 Concen: 0.52 ppbv
 RT: 9.67 min Scan# 2668
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78659		
83	92.0	75.0	112.4		
85	59.6	47.5	71.3		
99	55.9	49.0	73.6		

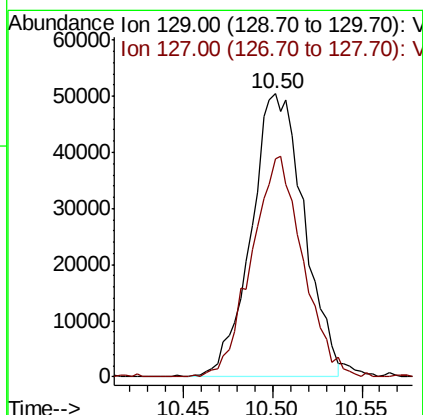
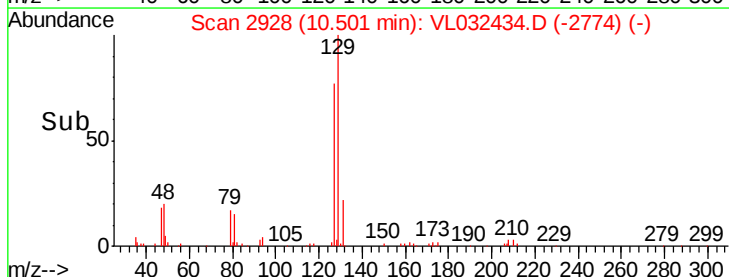
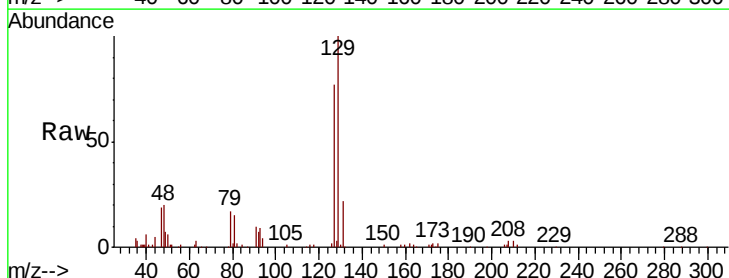
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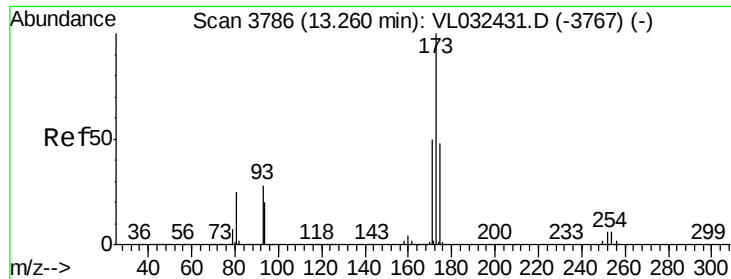
apatel
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#48
 Dibromochloromethane
 Concen: 0.49 ppbv
 RT: 10.50 min Scan# 2928
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		104624		
127	75.7	39.5	118.3		





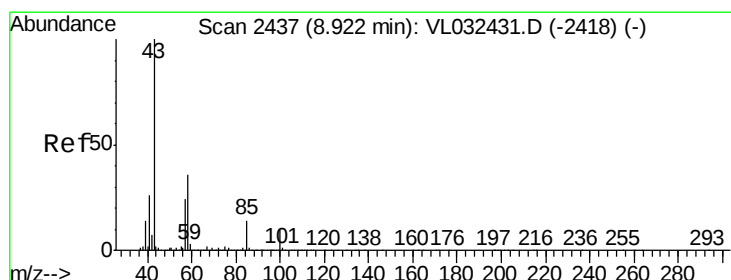
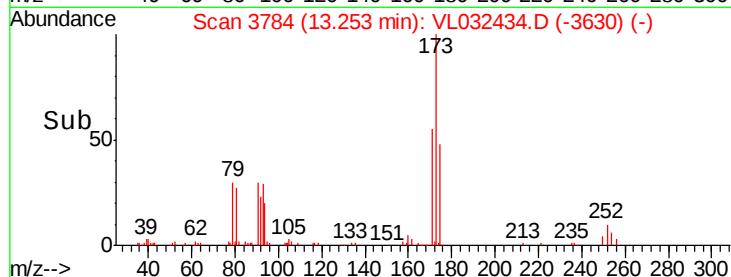
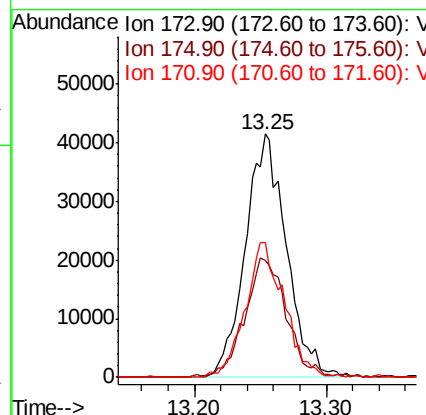
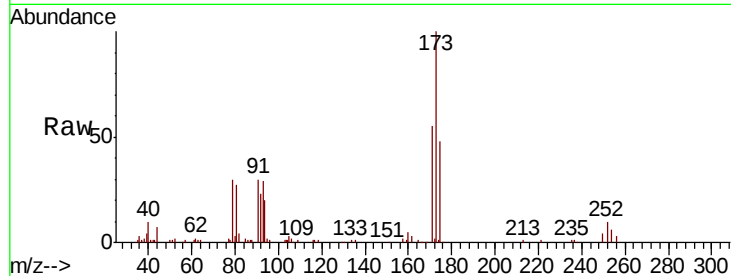
#49
Bromoform
Concen: 0.47 ppbv m
RT: 13.25 min Scan# 3784
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.9	58.3#
171	0.0	41.6	62.4#

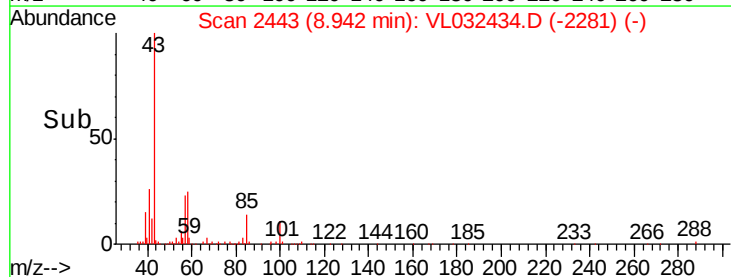
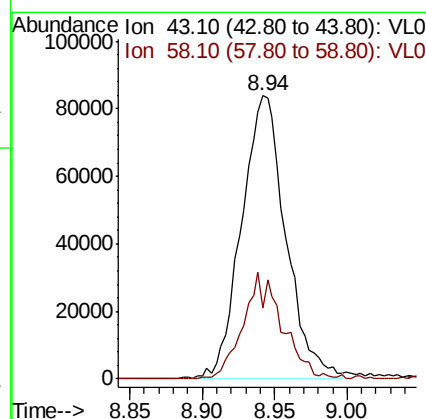
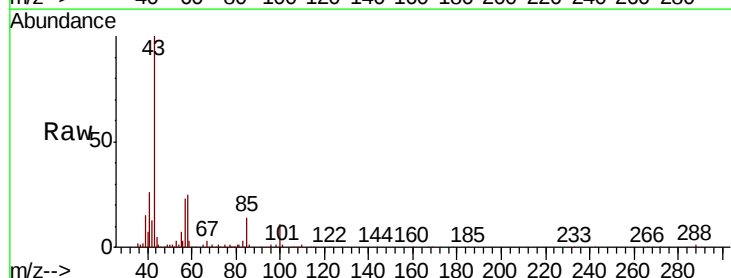
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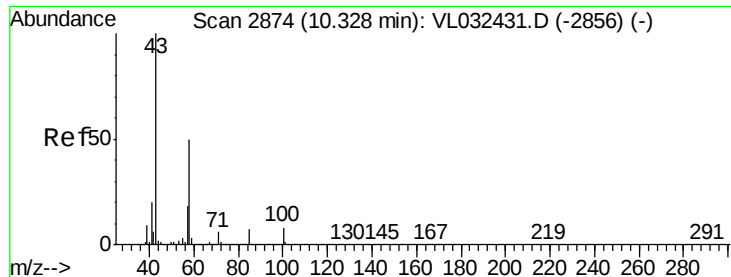
apatel
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#50
4-Methyl-2-Pentanone
Concen: 0.44 ppbv
RT: 8.94 min Scan# 2443
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.6	28.9	43.3





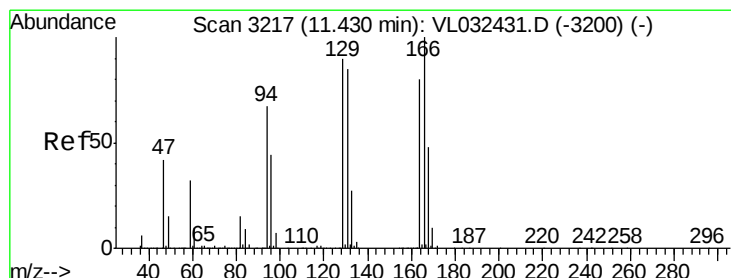
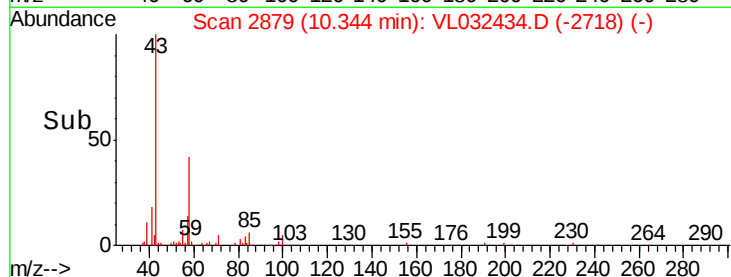
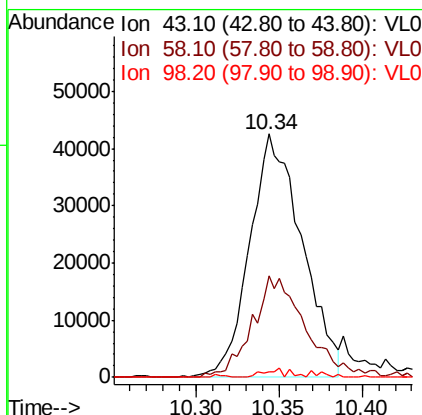
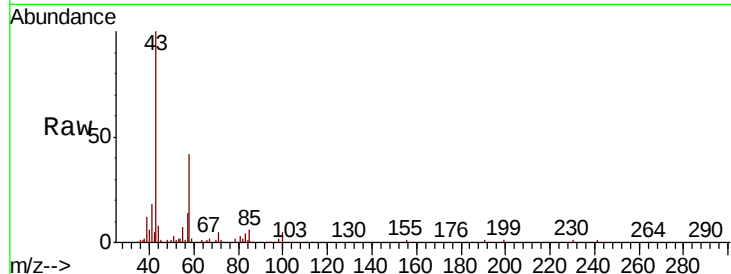
#51
 2-Hexanone
 Concen: 0.35 ppbv
 RT: 10.34 min Scan# 2879
 Delta R.T. 0.02 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	43	Resp:	93462
Ion Ratio	Lower	Upper	
43	100		
58	43.5	39.2	58.8
98	2.5	0.4	0.6#

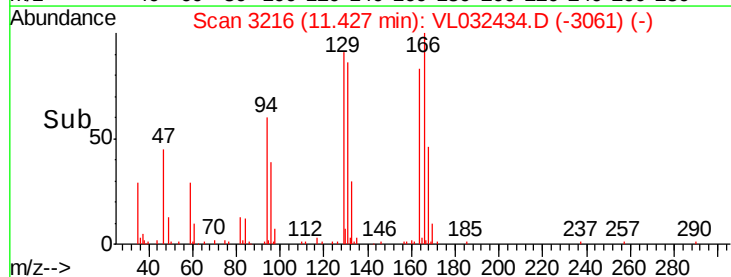
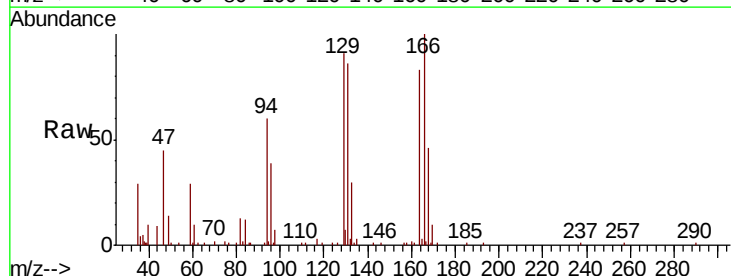
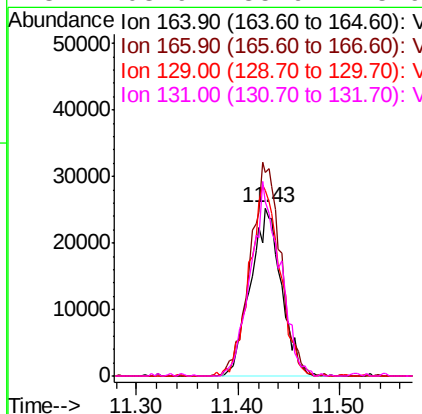
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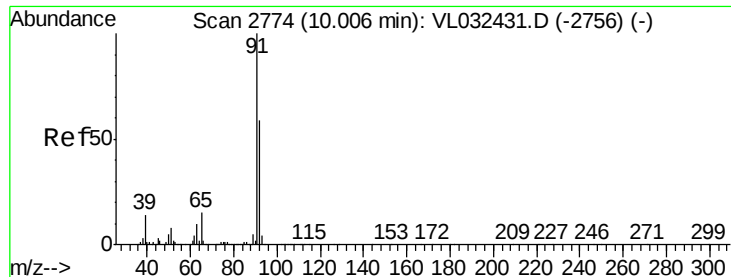
apatel
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#52
 Tetrachloroethene
 Concen: 0.54 ppbv m
 RT: 11.43 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion:	164	Resp:	52859
Ion Ratio	Lower	Upper	
164	100		
166	121.1	100.6	150.8
129	110.6	89.9	134.9
131	103.9	85.9	128.9





#53

Toluene

Concen: 0.38 ppbv m

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 135388

Ion Ratio Lower Upper

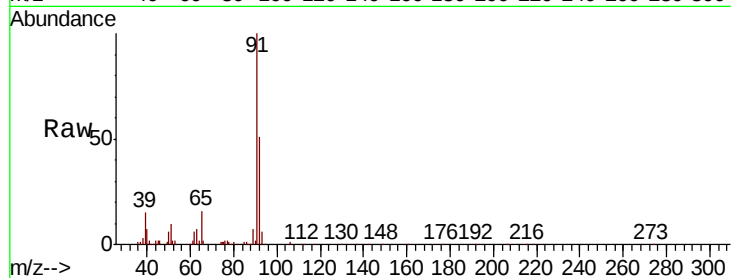
91 100

92 0.0 48.1 72.1#

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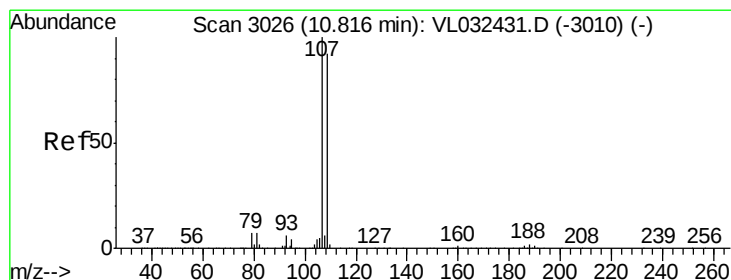
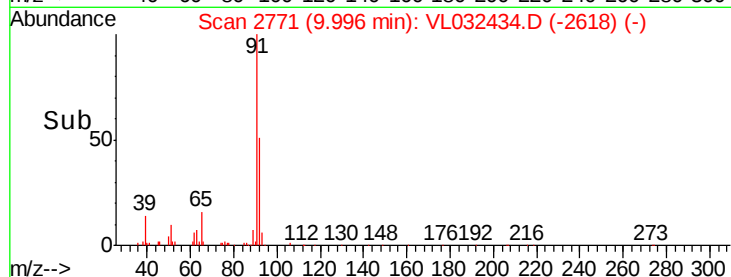
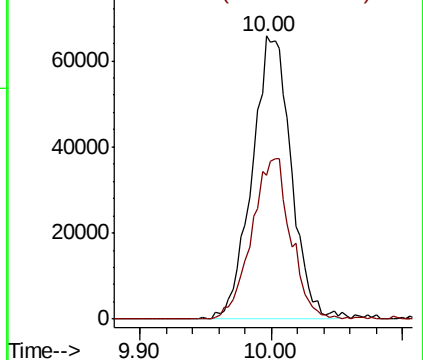
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.46 ppbv

RT: 10.81 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VL032434.D

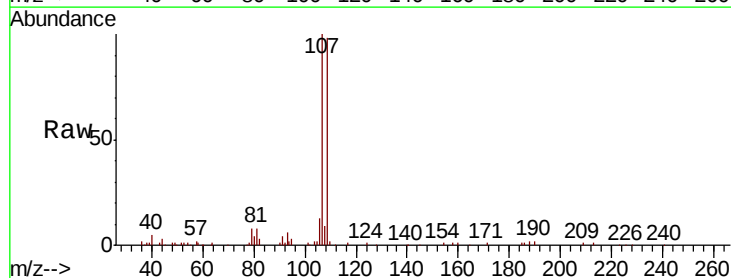
Acq: 31 Aug 2018 2:28

Tgt Ion: 107 Resp: 100541

Ion Ratio Lower Upper

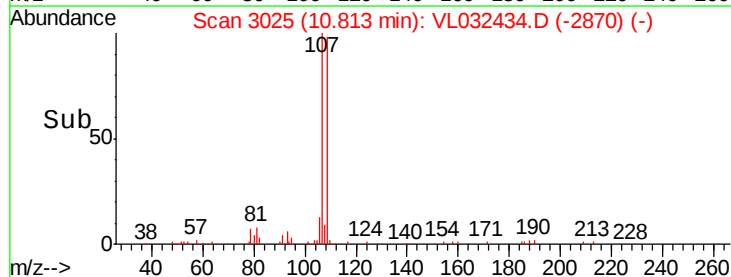
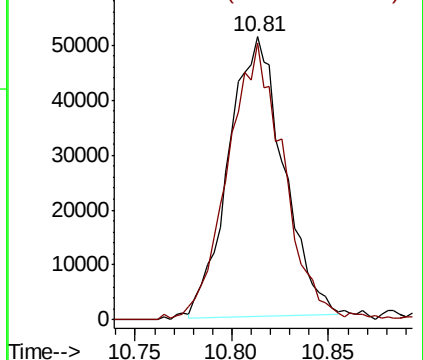
107 100

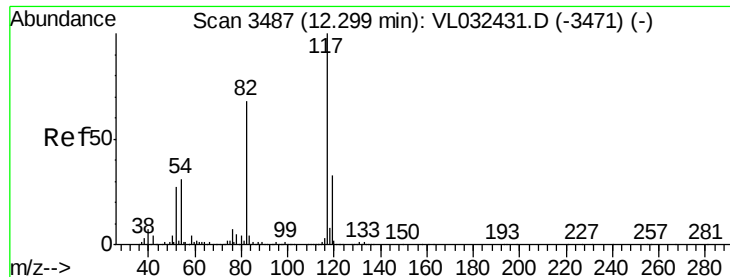
109 97.5 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





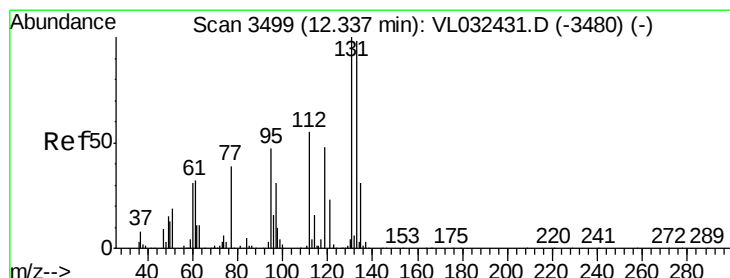
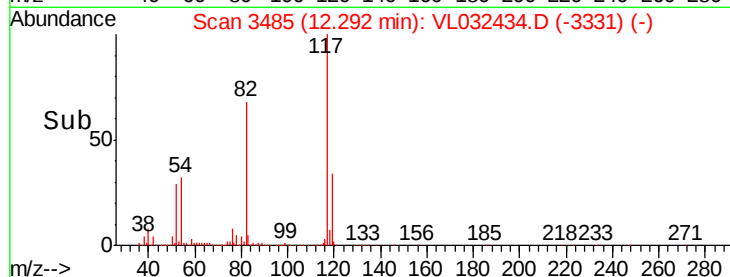
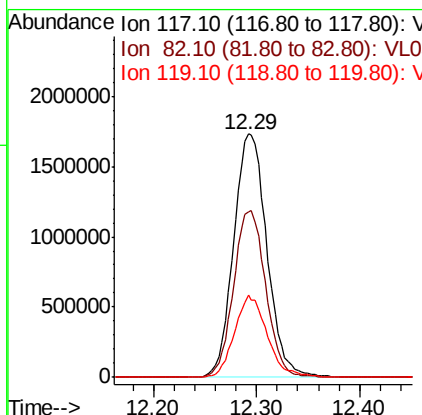
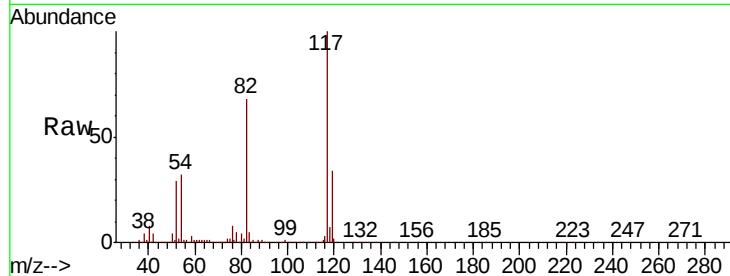
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.7	51.5	77.3
119	33.4	44.6	66.8#

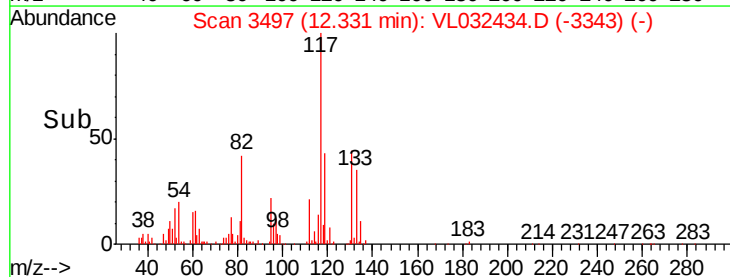
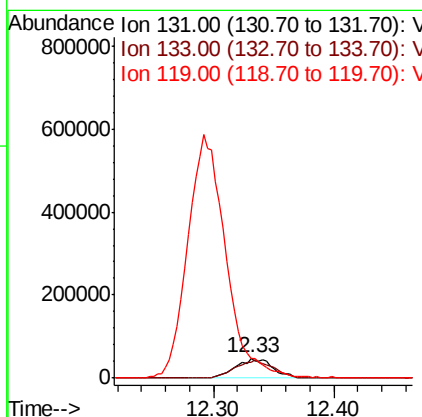
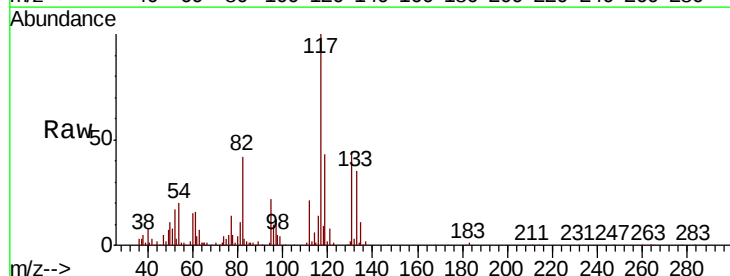
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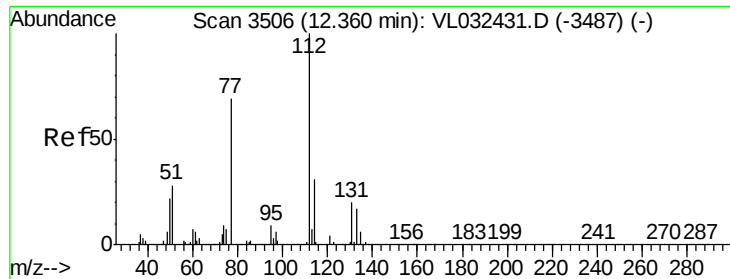
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.59 ppbv m
RT: 12.33 min Scan# 3497
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.0	115.4#
119	0.0	48.9	73.3#





#57

Chlorobenzene

Concen: 0.58 ppbv

RT: 12.35 min Scan# 3504

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

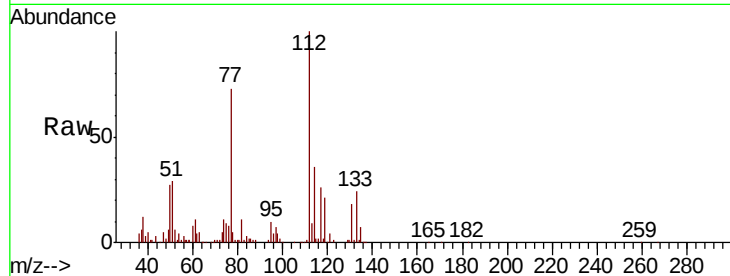
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	171525
Ion Ratio	Lower	Upper	
112	100		
77	72.7	56.1	84.1
114	37.9	27.8	34.0#

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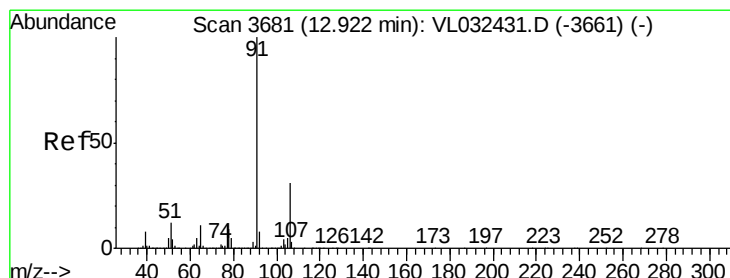
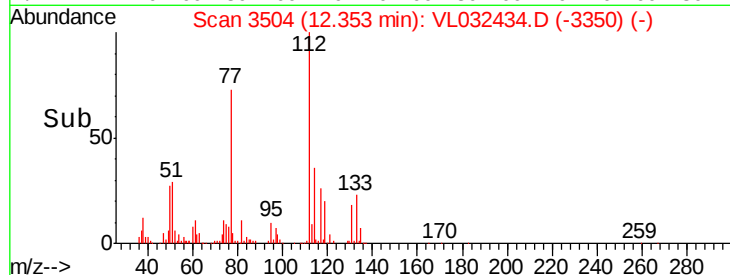
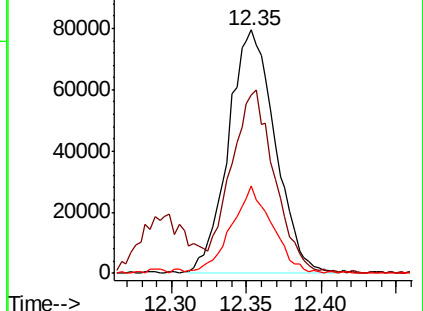
apatel
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.42 ppbv m

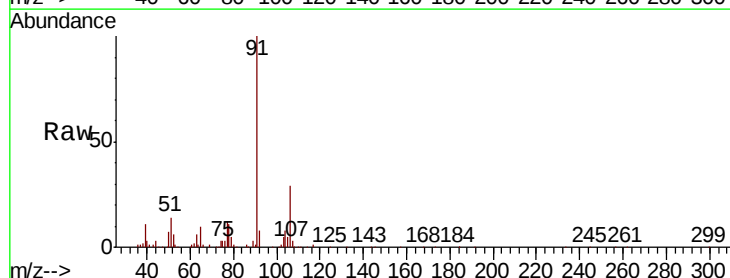
RT: 12.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VL032434.D

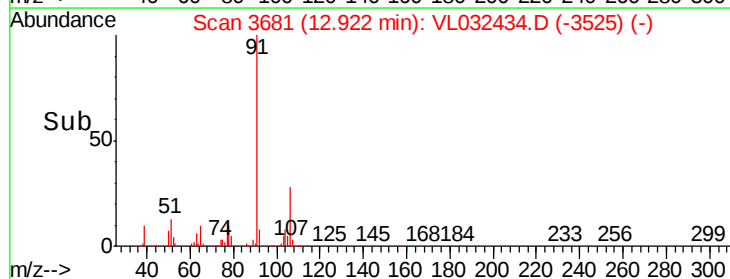
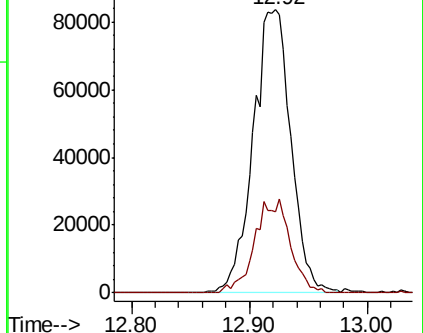
Acq: 31 Aug 2018 2:28

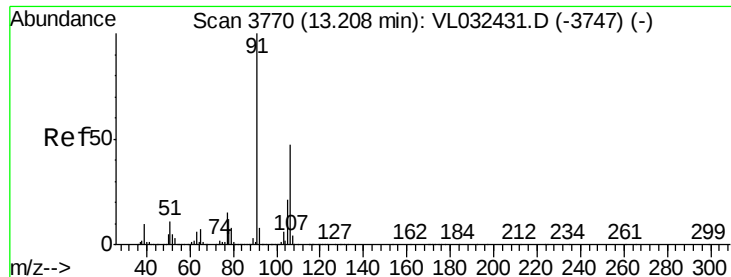
Tgt Ion:	91	Resp:	185646
Ion Ratio	Lower	Upper	
91	100		
106	28.6	24.8	37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





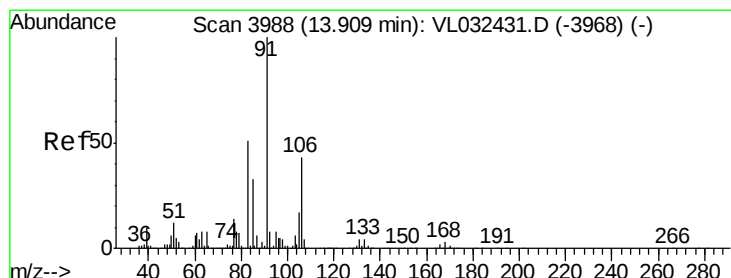
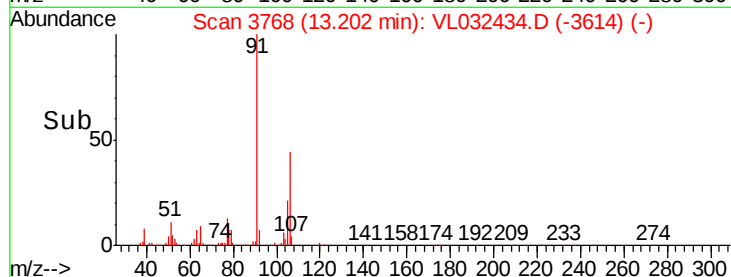
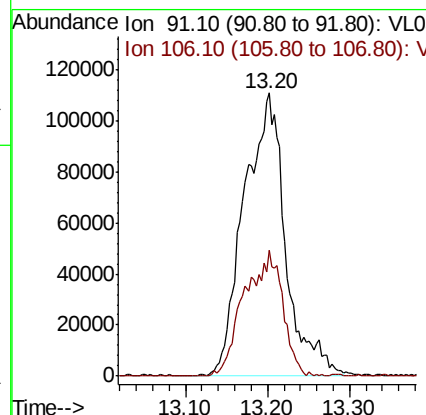
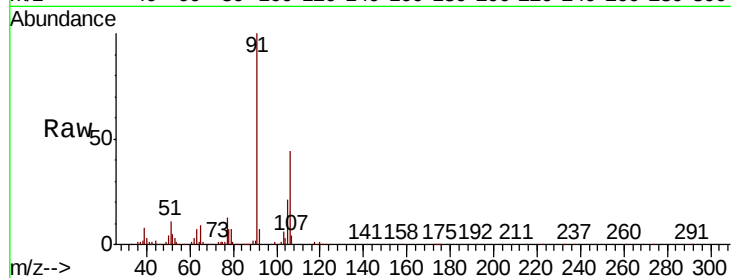
#59
m/p-Xylene
Concen: 0.99 ppbv m
RT: 13.20 min Scan# 3768
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	41.1	35.0	52.6	

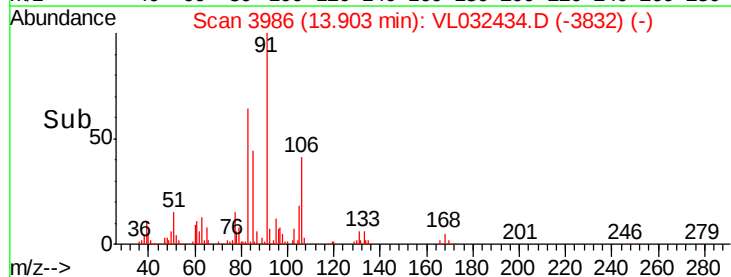
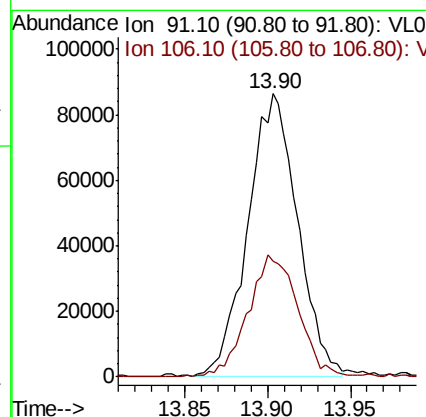
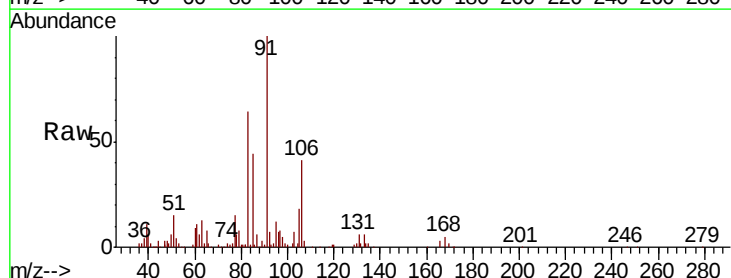
Manual Integrations
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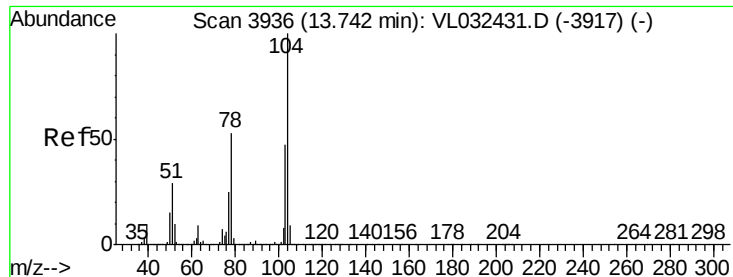
apatel
9/4/2018 8:25:39 AM



#60
o-Xylene
Concen: 0.47 ppbv
RT: 13.90 min Scan# 3986
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	44.1	21.9	65.7	





#61

Stvrene

Concen: 0.36 ppbv m

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

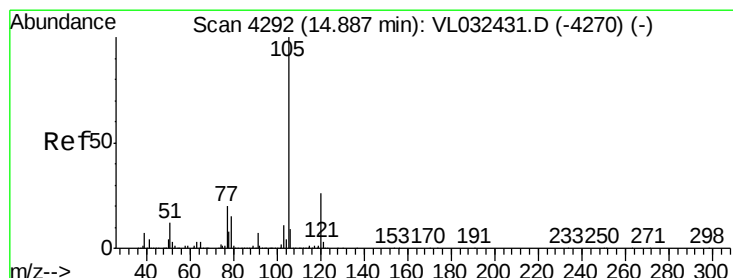
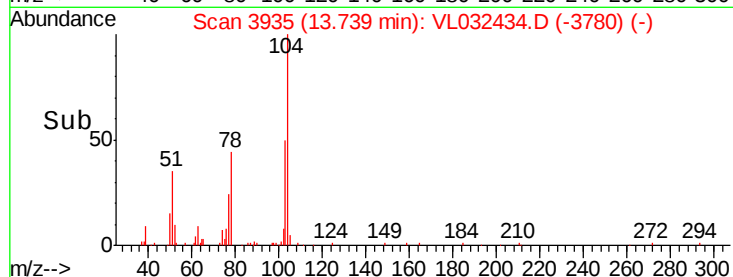
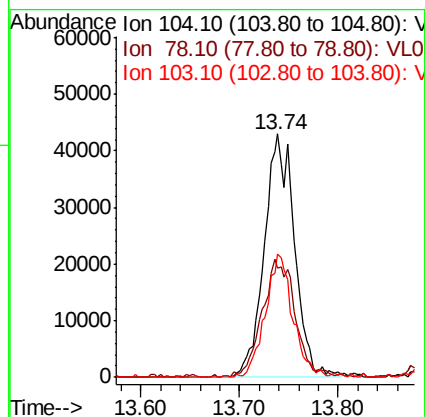
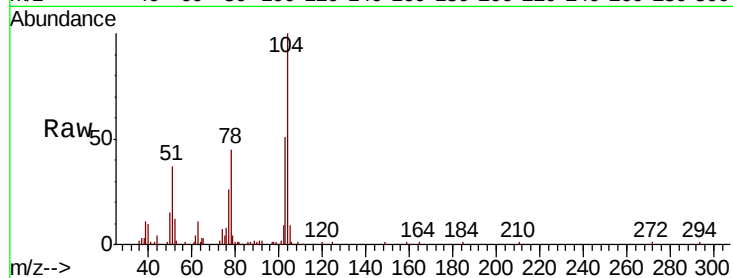
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	91097
Ion Ratio	Lower	Upper	
104	100		
78	53.7	41.8	62.8
103	47.4	38.0	57.0

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#62

Isopropylbenzene

Concen: 0.50 ppbv

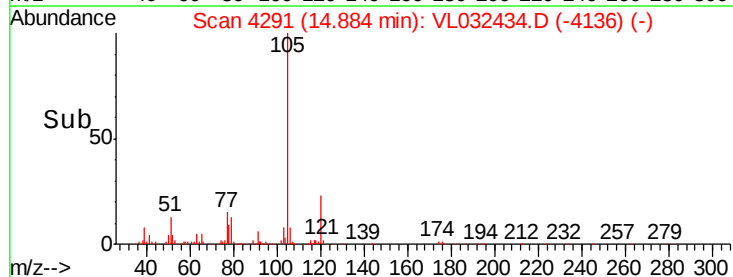
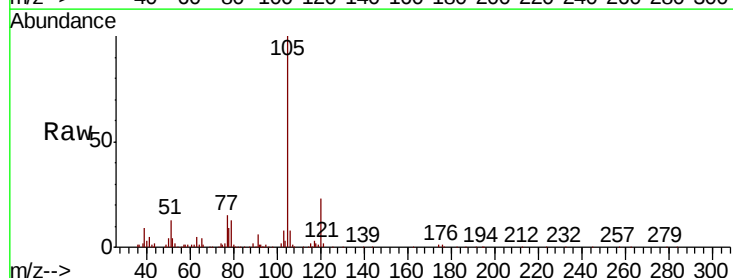
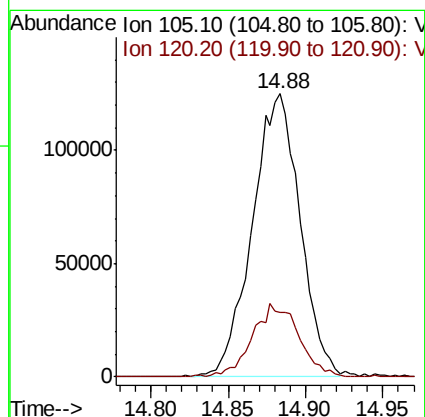
RT: 14.88 min Scan# 4291

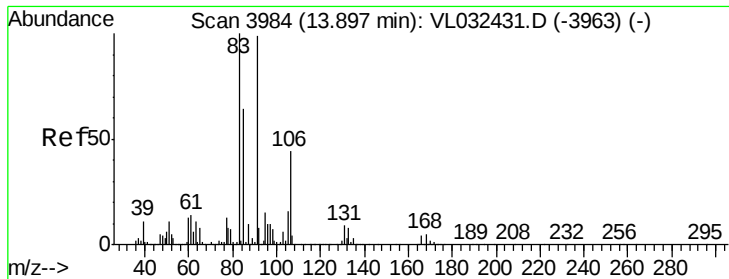
Delta R.T. -0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion:	105	Resp:	266953
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.6	31.0





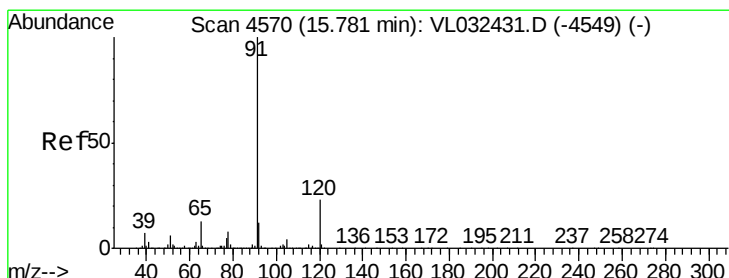
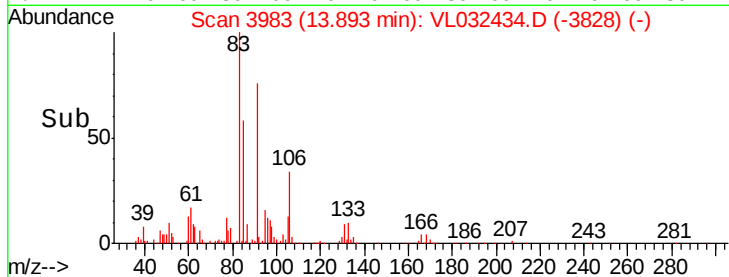
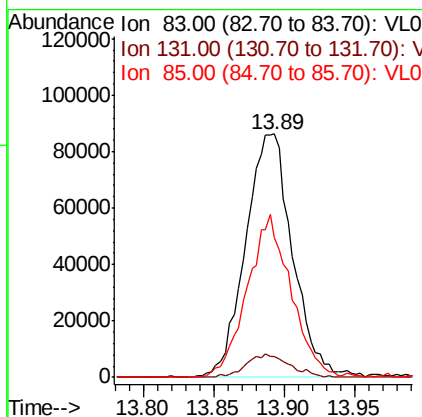
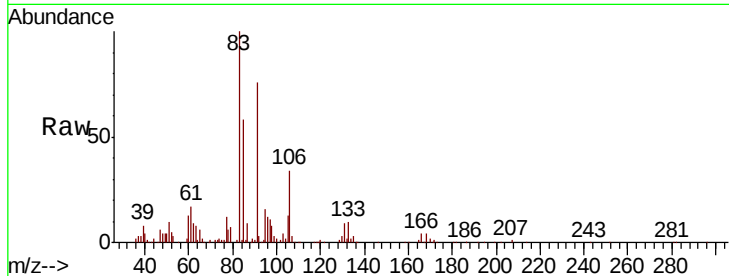
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.60 ppbv
 RT: 13.89 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199815		
131	9.1	4.3	12.8	
85	62.9	32.3	96.8	

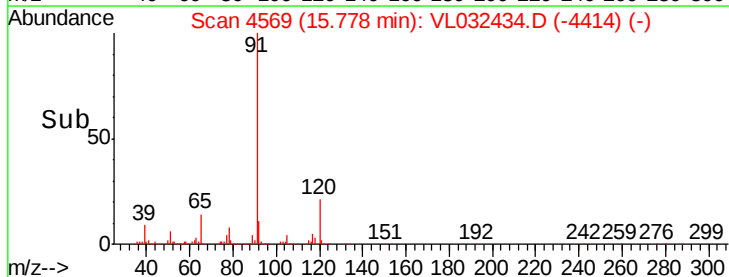
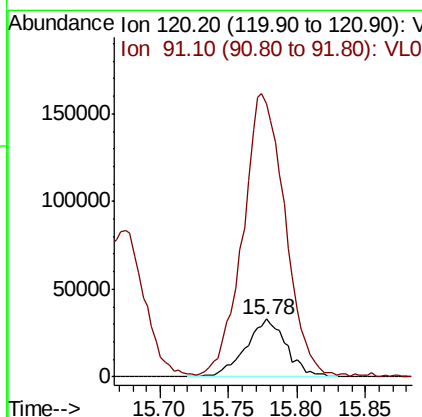
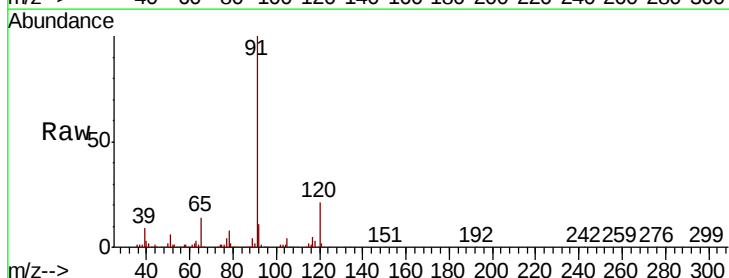
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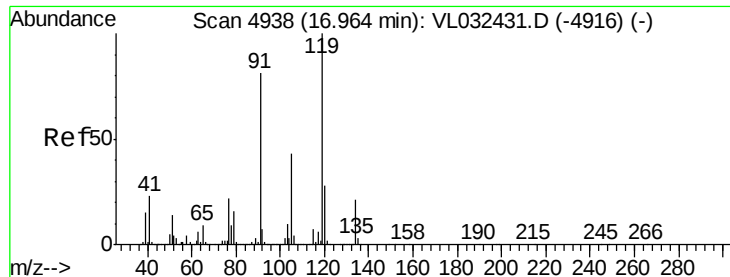
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#64
 n-propylbenzene
 Concen: 0.48 ppbv m
 RT: 15.78 min Scan# 4569
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	67890		
91	514.6	381.8	572.6	





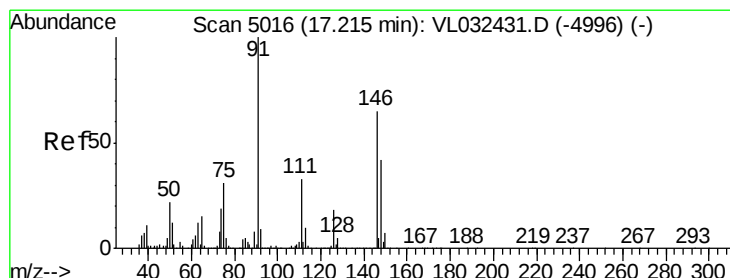
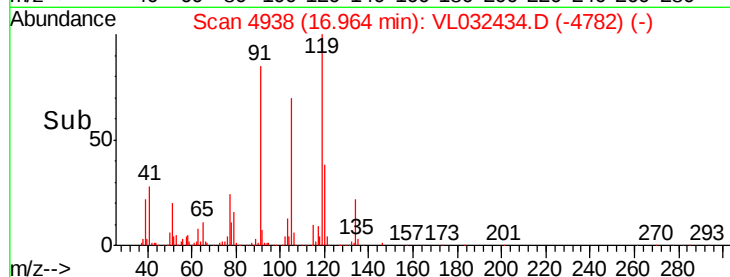
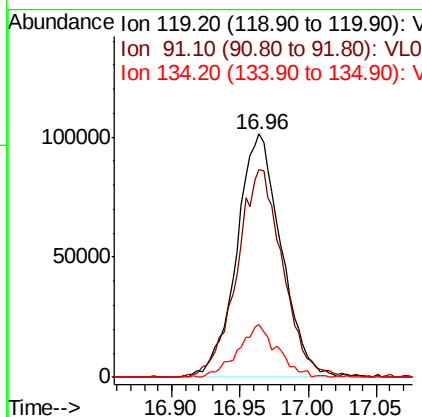
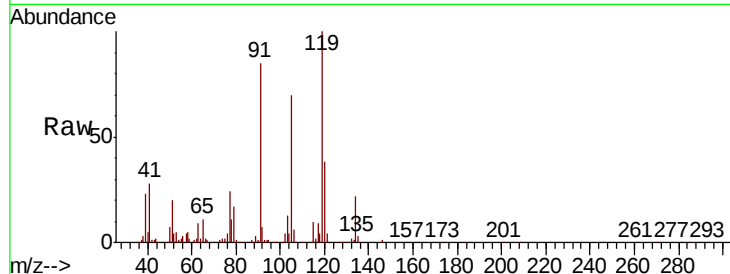
#65
tert-Butylbenzene
Concen: 0.50 ppbv
RT: 16.96 min Scan# 4938
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228638		
91	88.7	66.5	99.7	
134	19.5	16.0	24.0	

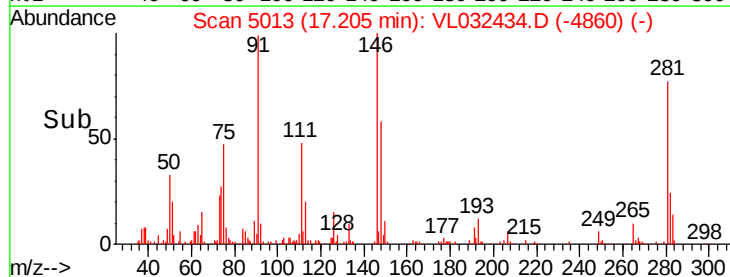
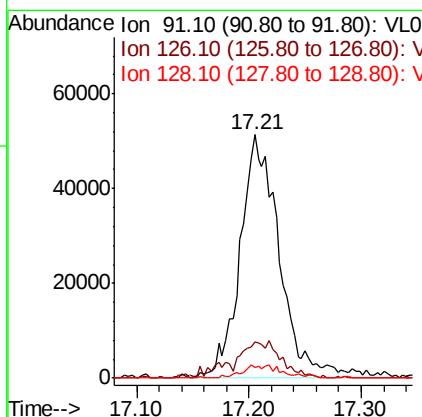
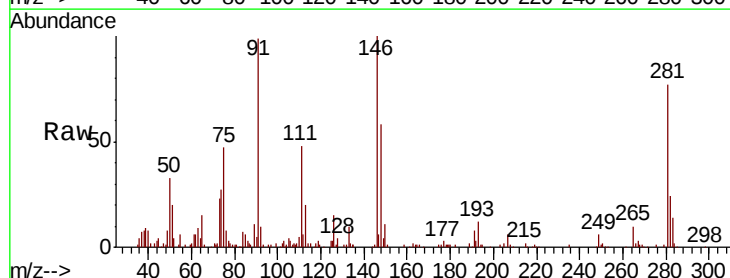
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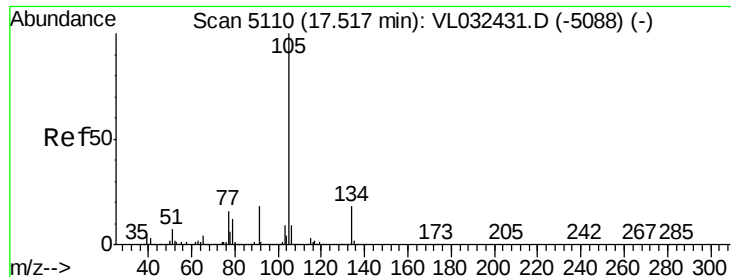
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#66
Benzyl Chloride
Concen: 0.43 ppbv m
RT: 17.21 min Scan# 5013
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	123047		
126	0.0	13.8	20.8#	
128	0.0	4.4	6.6#	





#67

sec-Butylbenzene

Concen: 0.51 ppbv

RT: 17.52 min Scan# 5110

Delta R.T. 0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 348993

Ion Ratio Lower Upper

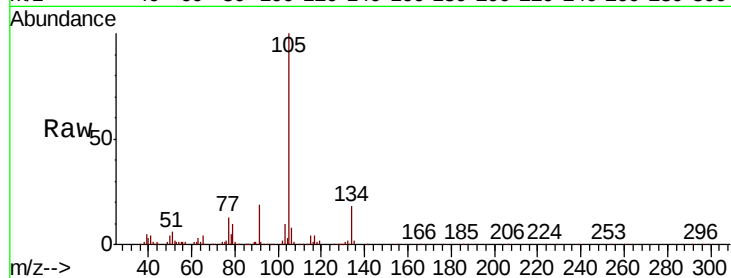
105 100

134 17.8 14.4 21.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.52

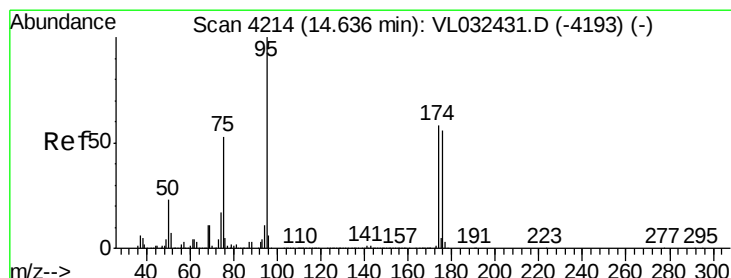
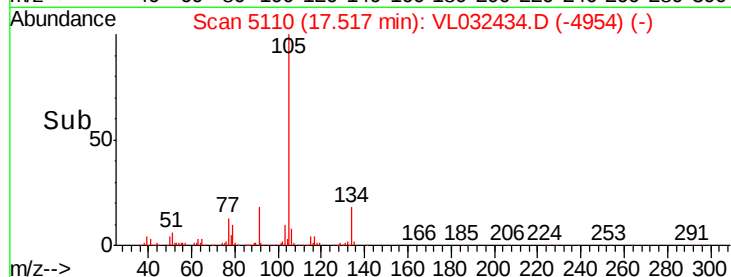
150000

100000

50000

0

Time--> 17.40 17.50 17.60



#68

1-Bromo-4-Fluorobenzene

Concen: 10.08 ppbv

RT: 14.63 min Scan# 4212

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

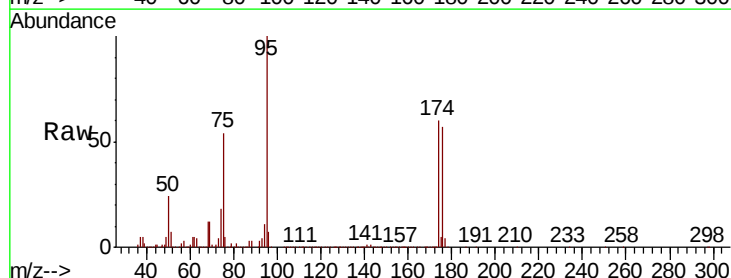
Tgt Ion: 95 Resp: 2922205

Ion Ratio Lower Upper

95 100

174 58.5 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

14.63

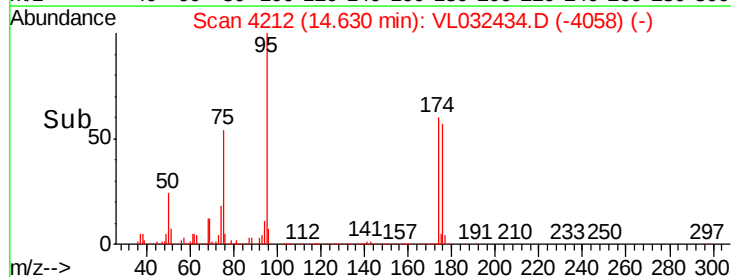
1500000

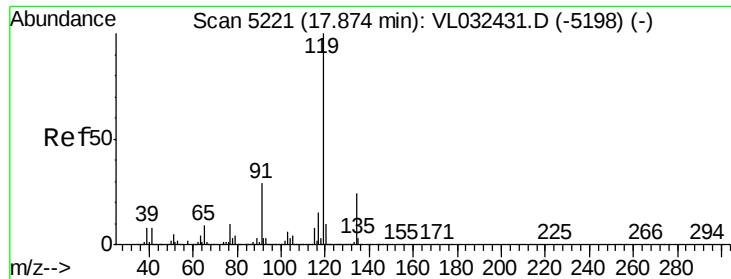
1000000

500000

0

Time--> 14.60 14.70





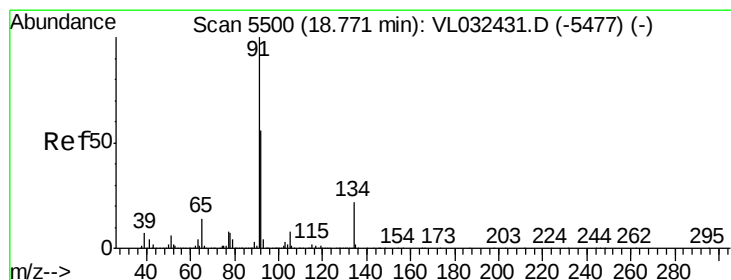
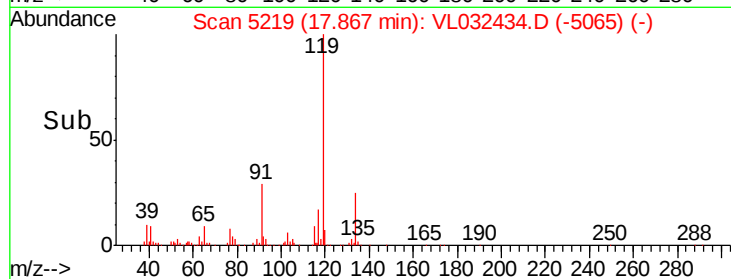
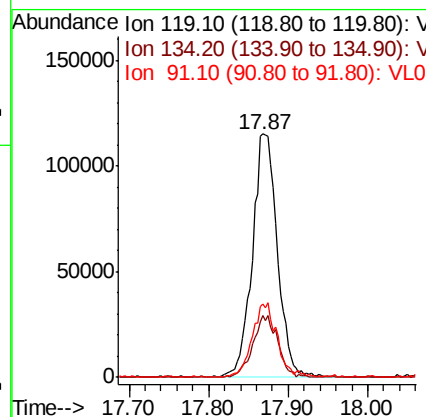
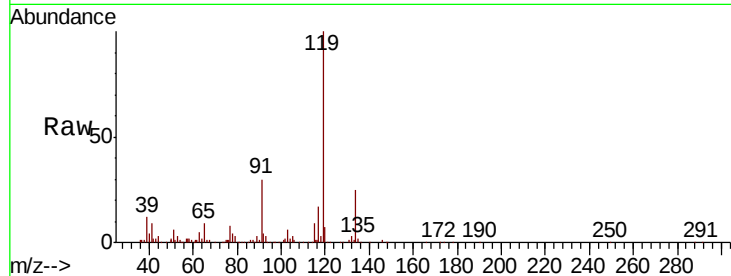
#69
 p-Isopropyltoluene
 Concen: 0.48 ppbv m
 RT: 17.87 min Scan# 5219
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	119	Resp:	252205
Ion Ratio	Lower	Upper	
119	100		
134	25.2	20.4	30.6
91	31.1	23.4	35.0

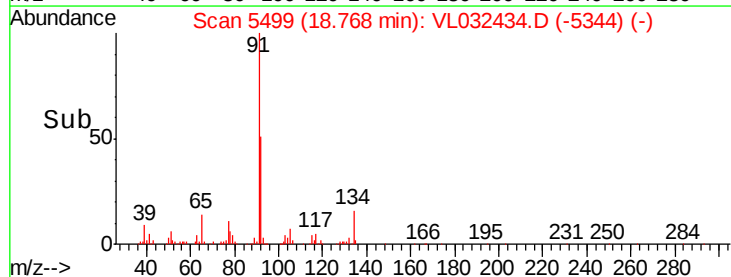
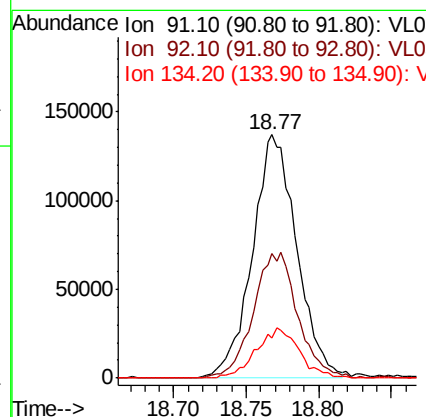
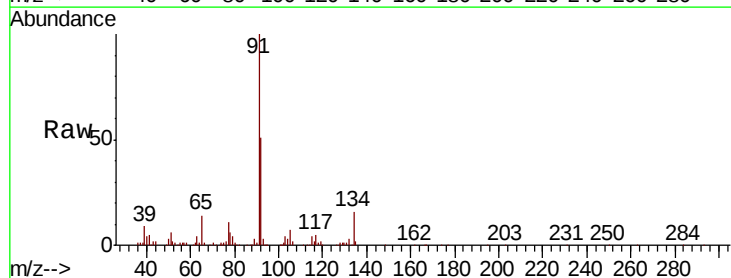
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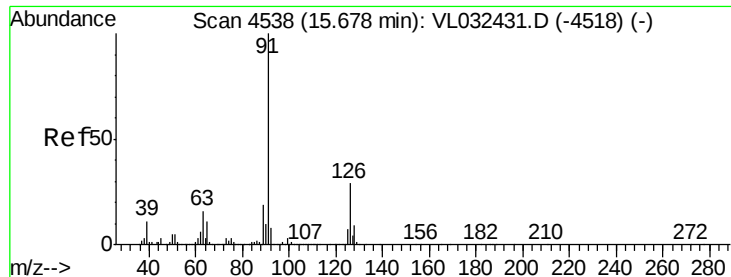
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#70
 n-Butylbenzene
 Concen: 0.50 ppbv
 RT: 18.77 min Scan# 5499
 Delta R.T. -0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion:	91	Resp:	289645
Ion Ratio	Lower	Upper	
91	100		
92	52.3	43.8	65.8
134	20.2	17.4	26.0





#71

2-Chlorotoluene

Concen: 0.46 ppbv

RT: 15.67 min Scan# 4537

Delta R.T. -0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 187849

Ion Ratio Lower Upper

91 100

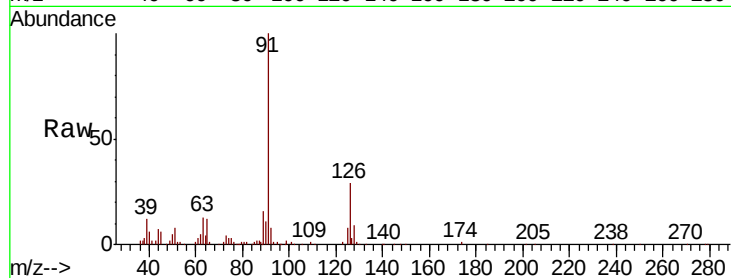
126 28.9 11.9 47.7

Manual Integrations

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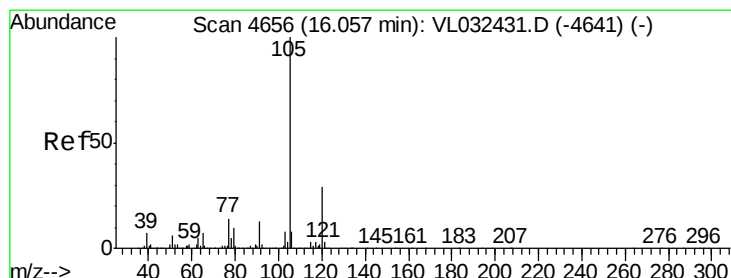
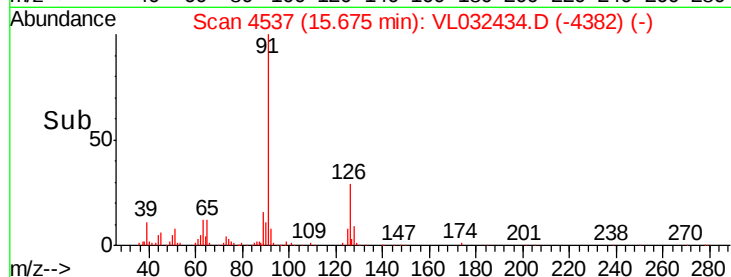
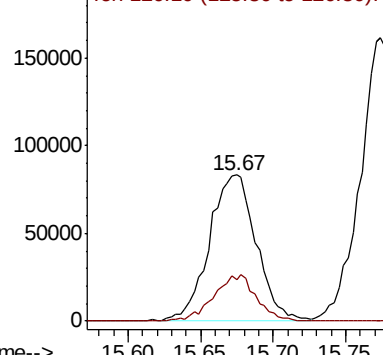
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.42 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion: 105 Resp: 174437

Ion Ratio Lower Upper

105 100

120 30.9 23.5 35.3

91 18.6 10.2 15.2#

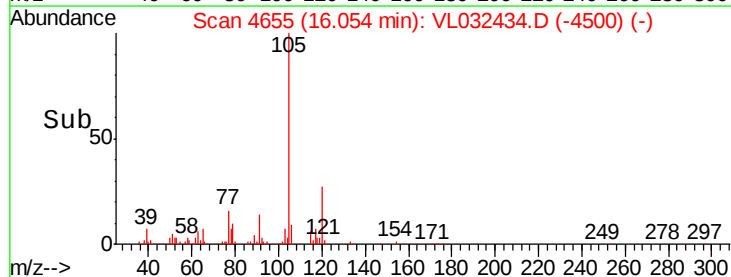
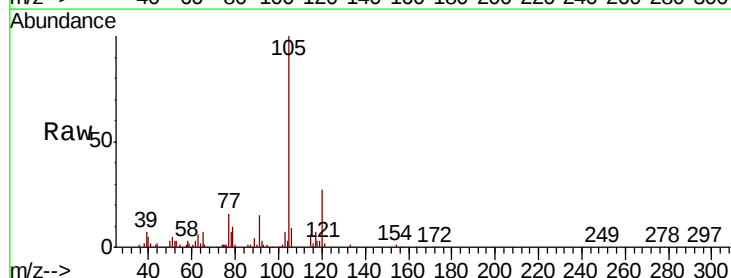
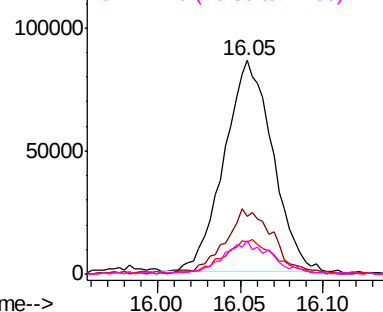
77 16.5 11.1 16.7

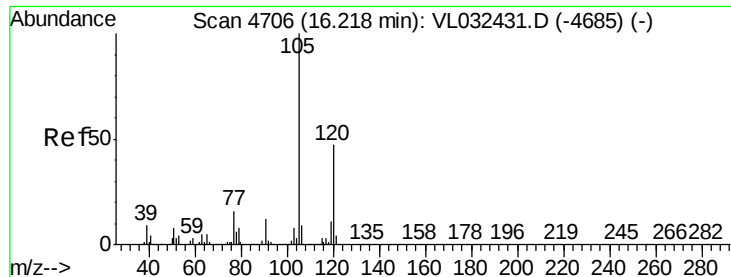
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.49 ppbv

RT: 16.21 min Scan# 4704

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 193086

Ion Ratio Lower Upper

105 100

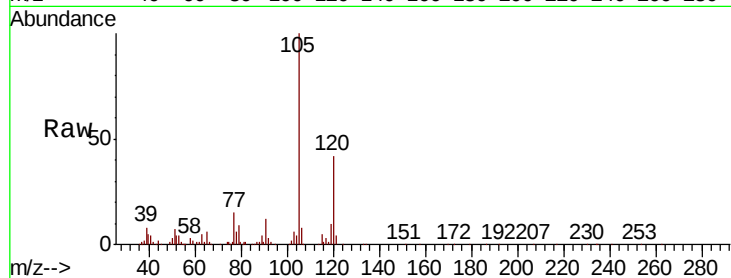
120 41.8 37.9 56.9

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.21

100000

80000

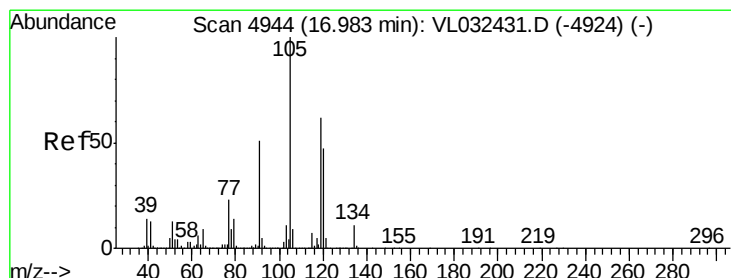
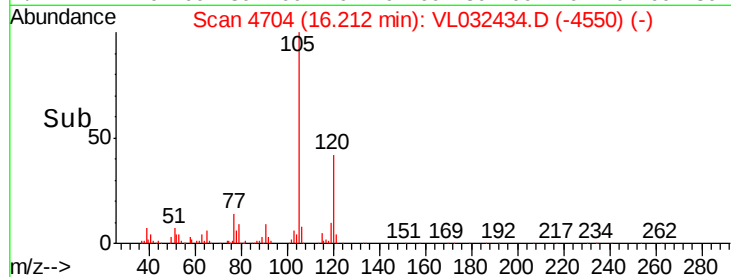
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.57 ppbv

RT: 16.98 min Scan# 4942

Delta R.T. -0.01 min

Lab File: VL032434.D

Acq: 31 Aug 2018 2:28

Tgt Ion:105 Resp: 242114

Ion Ratio Lower Upper

105 100

120 49.6 37.8 56.8

91 48.7 41.4 62.0

77 22.6 18.6 28.0

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

16.98

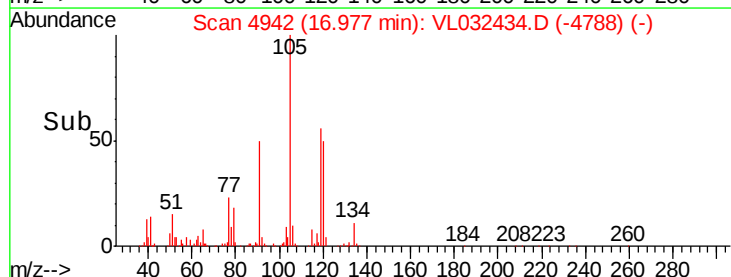
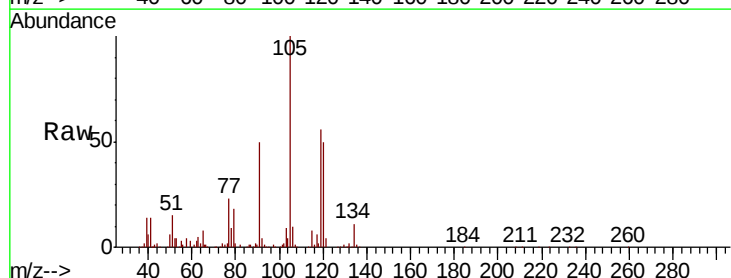
150000

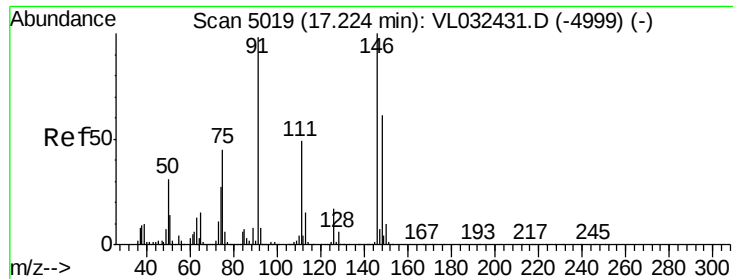
100000

50000

0

Time-->





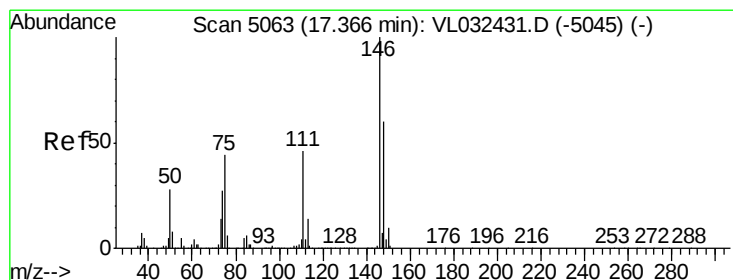
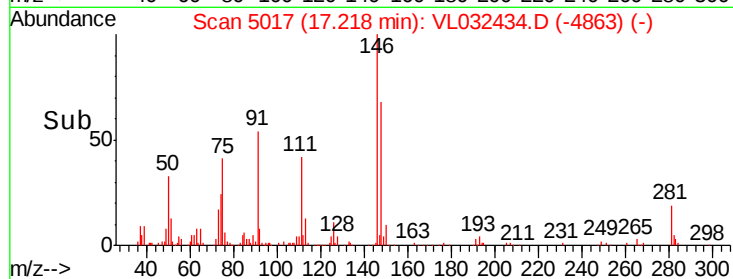
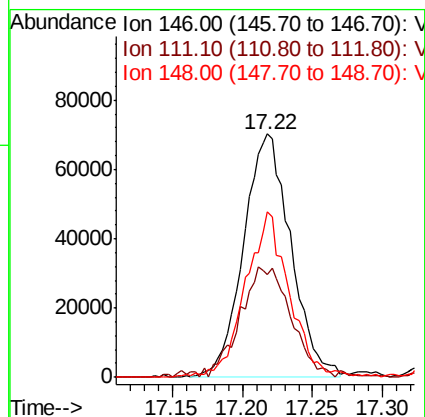
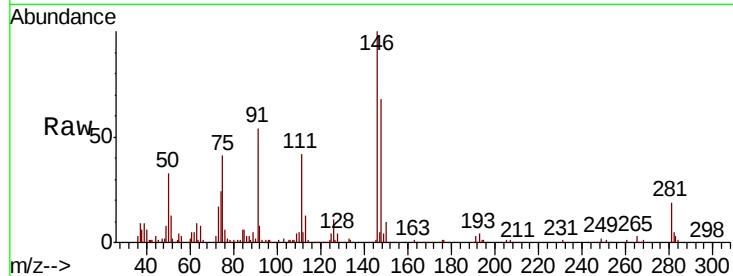
#75
 1,3-Dichlorobenzene
 Concen: 0.60 ppbv
 RT: 17.22 min Scan# 5017
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.6	73.6
148	63.3	32.0	96.2

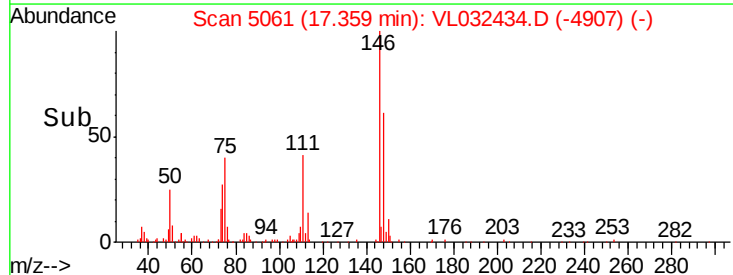
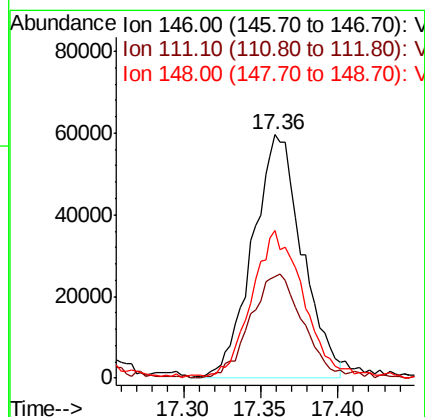
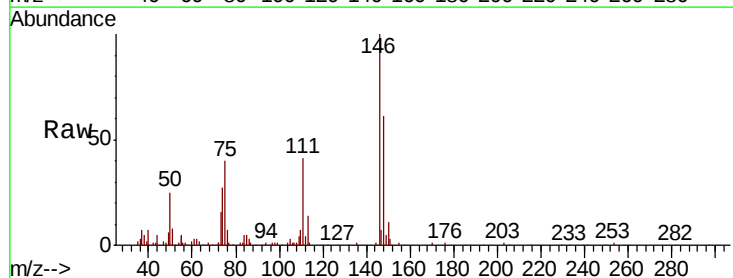
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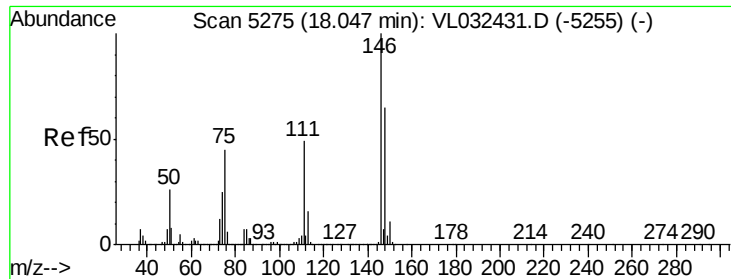
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 0.54 ppbv
 RT: 17.36 min Scan# 5061
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.4	70.3
148	64.5	31.9	95.9





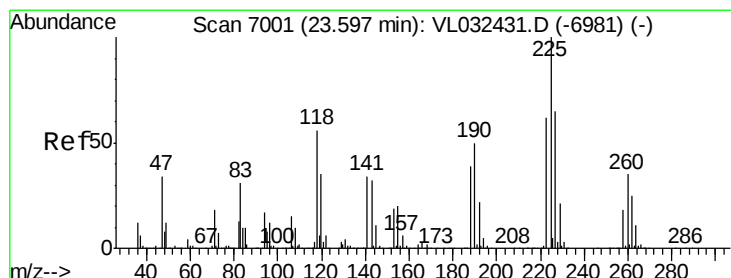
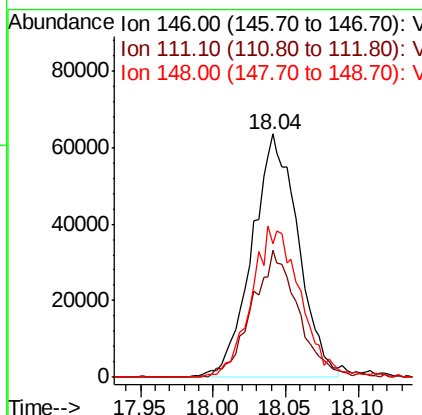
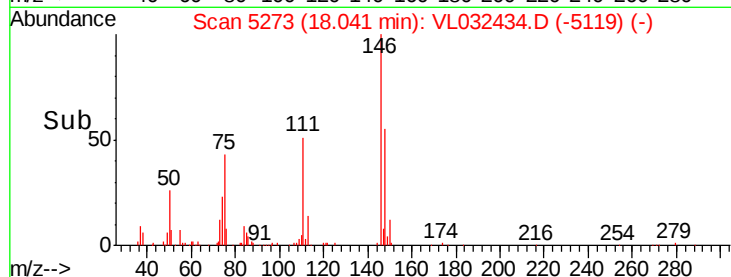
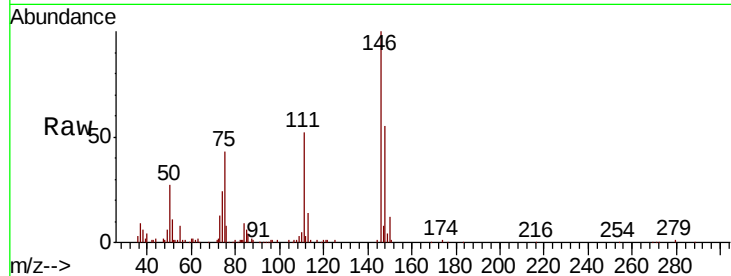
#77
 1,2-Dichlorobenzene
 Concen: 0.54 ppbv
 RT: 18.04 min Scan# 5273
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.5	24.9	74.7
148	65.7	31.9	95.9

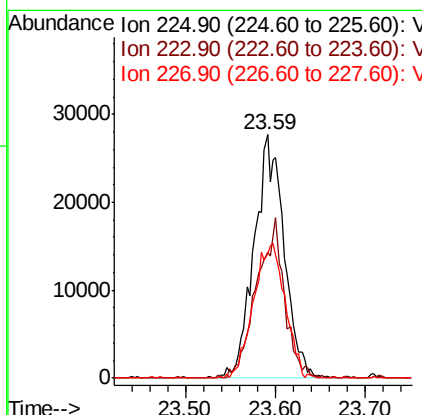
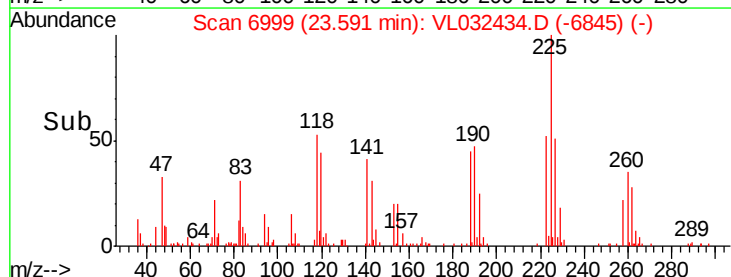
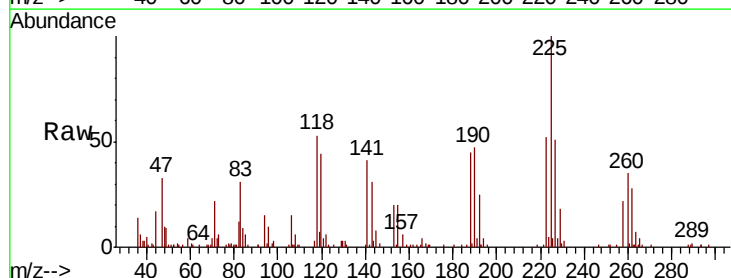
Manual Integrations
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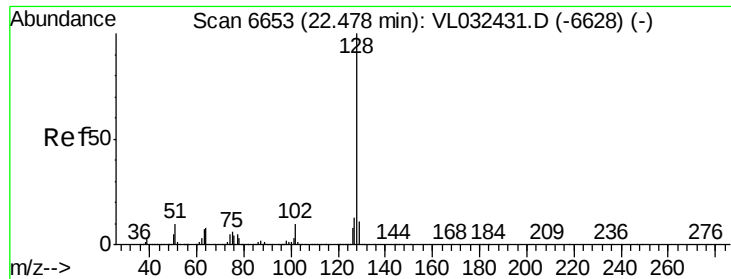
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.56 ppbv m
 RT: 23.59 min Scan# 6999
 Delta R.T. -0.01 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	51.2	76.8#





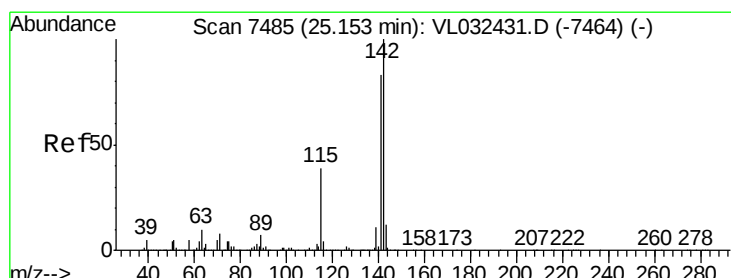
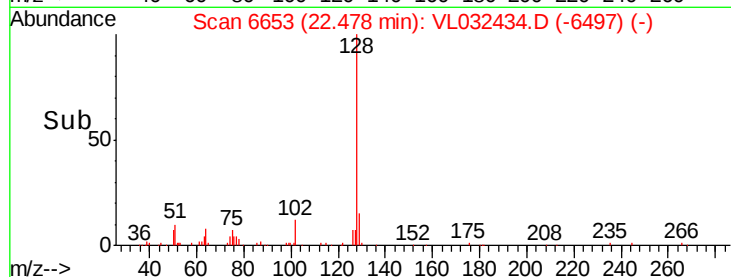
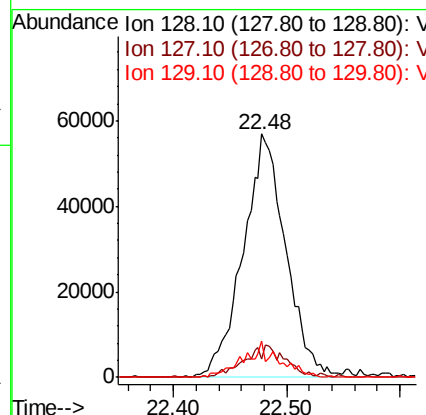
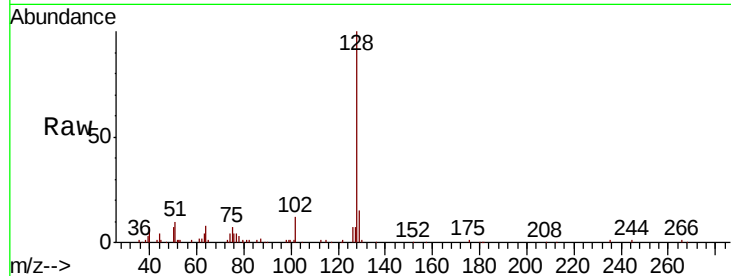
#79
Naphthalene
Concen: 0.52 ppbv
RT: 22.48 min Scan# 6653
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.2	15.2#
129	14.9	8.5	12.7#

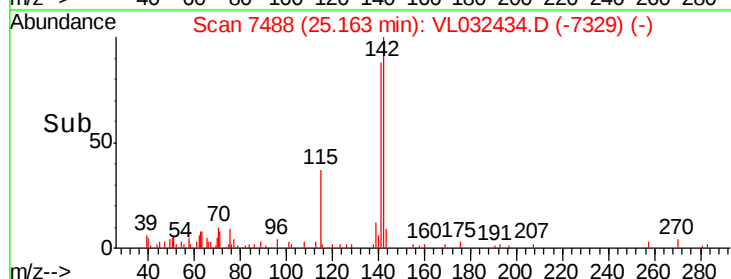
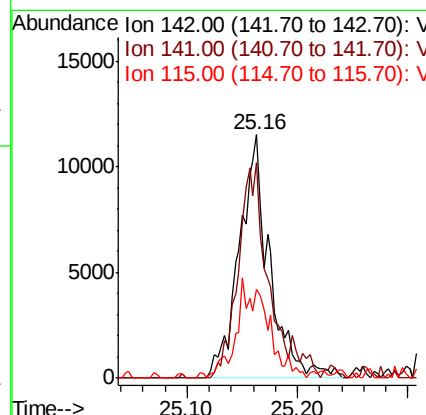
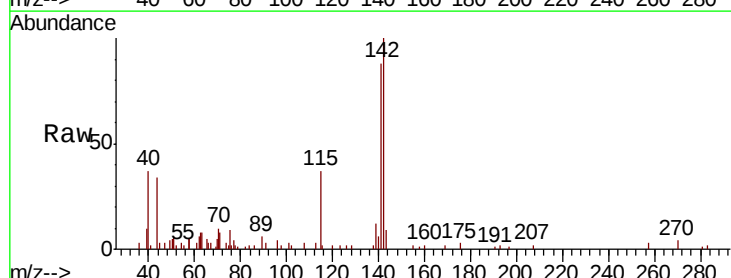
Manual Integrations
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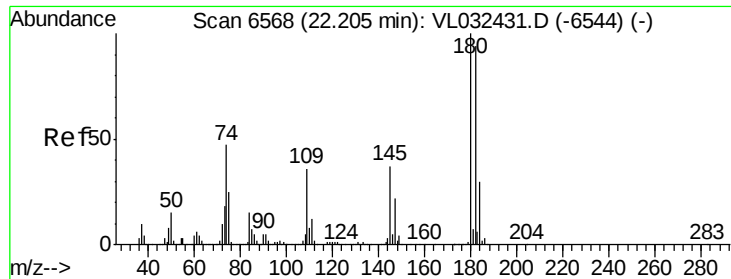
apatel
9/4/2018 8:25:39 AM



#80
Naphthalene, 2-methyl-
Concen: 0.30 ppbv
RT: 25.16 min Scan# 7488
Delta R.T. 0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	67.0	100.6
115	44.5	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.57 ppbv m
 RT: 22.20 min Scan# 6568
 Delta R.T. 0.00 min
 Lab File: VL032434.D
 Acq: 31 Aug 2018 2:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	0.0	23.9	35.9#

Manual Integrations
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