

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032431.D
 Acq On : 31 Aug 2018 00:30
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:21 AM

Quant Time: Aug 31 21:19:44 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	2084711	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4336235	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4299662m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3203474	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	2636334	14.12	ppbv	100
3) Chlorodifluoromethane	3.04	51	1685948	9.34	ppbv	100
4) Chloromethane	3.20	50	1025606	9.28	ppbv	100
5) Vinyl Chloride	3.32	62	986757	10.09	ppbv	100
6) Bromomethane	3.55	94	546595	9.19	ppbv	100
7) Chloroethane	3.64	64	357043	9.29	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	2096679	9.14	ppbv	100
9) Propene	3.07	41	767339	10.75	ppbv	100
10) Heptane	8.30	43	2827836	10.97	ppbv	100
11) Trichlorofluoromethane	4.04	101	2153888	9.21	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1425196	9.11	ppbv	100
13) Ethanol	3.68	45	186302	8.07	ppbv	99
14) Bromoethene	3.83	108	669502	9.87	ppbv	100
15) Acetone	3.94	43	1625736	8.18	ppbv	100
16) 1,3-Butadiene	3.40	39	779131	9.39	ppbv	100
17) tert-Butyl alcohol	4.40	59	264017m	8.09	ppbv	
18) 1,1-Dichloroethene	4.39	96	682271	9.51	ppbv	100
19) Isopropyl Alcohol	4.06	45	1137530	9.08	ppbv	100
20) Methylene Chloride	4.45	84	610298	8.27	ppbv	100
21) Allyl Chloride	4.52	41	1202885	9.59	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	763244	9.86	ppbv	100
23) Vinyl Acetate	5.20	43	3155179	10.30	ppbv	100
24) 1,1-Dichloroethane	5.14	63	2373833	9.66	ppbv	100
25) Ethyl Acetate	5.82	43	4145208	9.87	ppbv	100
26) Hexane	5.83	57	1929878	10.26	ppbv	100
27) Carbon Disulfide	4.66	76	1794980	9.94	ppbv	100
28) Methyl tert-Butyl Ether	5.16	73	2494131	10.74	ppbv	100
29) Chloroform	5.90	83	2739293	9.42	ppbv	100
30) Cyclohexane	7.30	84	1528127	11.00	ppbv	100
31) cis-1,2-Dichloroethene	5.69	61	1841440	10.72	ppbv	100
32) 1,1,1-Trichloroethane	6.67	97	2550807	10.17	ppbv	100
34) 2-Butanone	5.37	43	2759082	10.00	ppbv	100
35) Carbon Tetrachloride	7.19	117	2567355	9.56	ppbv	100
36) Benzene	7.06	78	3638969	10.14	ppbv	100
37) 1,2-Dichloroethane	6.46	62	2093531	9.41	ppbv	100
38) Trichloroethene	8.02	130	1278188	10.66	ppbv	100
39) 1,2-Dichloropropane	7.79	63	1483340	9.84	ppbv	100
40) 1,4-Dioxane	8.01	88	484390	10.77	ppbv	100
41) Tetrahydrofuran	6.20	42	1634368	11.06	ppbv	100
42) Bromodichloromethane	7.97	83	2906764	9.56	ppbv	100
43) Methyl Methacrylate	8.19	69	1692611	11.45	ppbv	100

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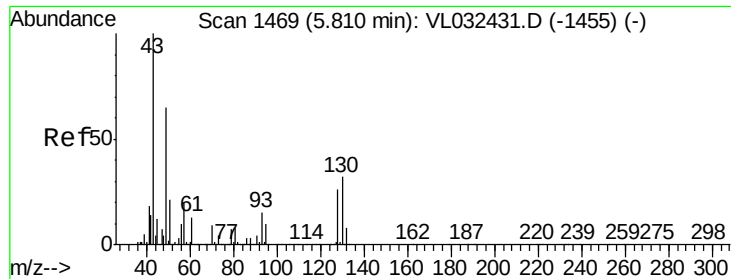
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

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	6995101	10.44	ppbv	100
45) t-1,3-Dichloropropene	9.47	75	1967304	11.20	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	2438760	11.34	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	1463856	9.07	ppbv	100
48) Dibromochloromethane	10.51	129	2314540	10.17	ppbv	100
49) Bromoform	13.26	173	2024647	10.13	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4393970	10.27	ppbv	100
51) 2-Hexanone	10.33	43	3086499	10.92	ppbv	100
52) Tetrachloroethene	11.43	164	1096034	10.64	ppbv	100
53) Toluene	10.01	91	3952260	10.51	ppbv	100
54) 1,2-Dibromoethane	10.82	107	2363369	10.13	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.34	131	1727647	9.34	ppbv #	58
57) Chlorobenzene	12.36	112	3110855	9.44	ppbv	100
58) Ethyl Benzene	12.92	91	5554253	11.33	ppbv	100
59) m/p-Xylene	13.21	91	9134354m	20.91	ppbv	
60) o-Xylene	13.91	91	4477346	10.67	ppbv	100
61) Styrene	13.74	104	3361621	11.92	ppbv	100
62) Isopropylbenzene	14.89	105	6257668	10.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.90	83	3472951	9.47	ppbv	100
64) n-propylbenzene	15.78	120	1664357	10.72	ppbv	100
65) tert-Butylbenzene	16.96	119	5245074	10.28	ppbv	100
66) Benzyl Chloride	17.21	91	3208377	10.14	ppbv	100
67) sec-Butylbenzene	17.52	105	7883944	10.39	ppbv	100
69) p-Isopropyltoluene	17.87	119	6303640	10.84	ppbv	100
70) n-Butylbenzene	18.77	91	6994461	10.84	ppbv	100
71) 2-Chlorotoluene	15.68	91	4982616	10.97	ppbv	100
72) 4-Ethyltoluene	16.06	105	5243679	11.47	ppbv	100
73) 1,3,5-Trimethylbenzene	16.22	105	4969081	11.38	ppbv	100
74) 1,2,4-Trimethylbenzene	16.98	105	4969798	10.54	ppbv	100
75) 1,3-Dichlorobenzene	17.22	146	2799574	9.31	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	2792509	10.10	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	2806811	9.72	ppbv	100
78) Hexachloro-1,3-Butadiene	23.60	225	899693	7.22	ppbv	100
79) Naphthalene	22.48	128	4715899	15.04	ppbv	100
80) Naphthalene, 2-methyl-	25.15	142	1680660	20.48	ppbv	100
81) 1,2,4-Trichlorobenzene	22.20	180	2231832	13.13	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 2084711

Ion Ratio Lower Upper

49 100

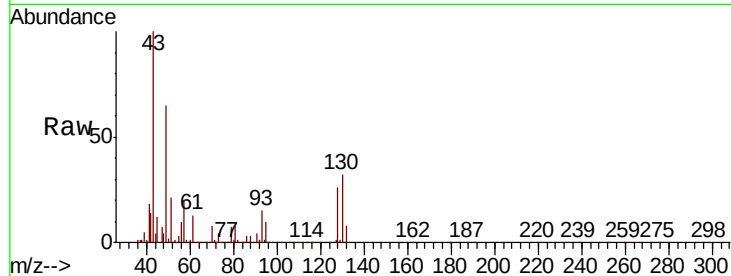
128 41.4 20.7 62.1

130 53.1 26.7 80.0

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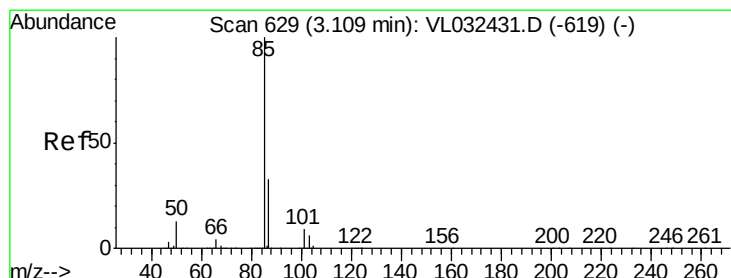
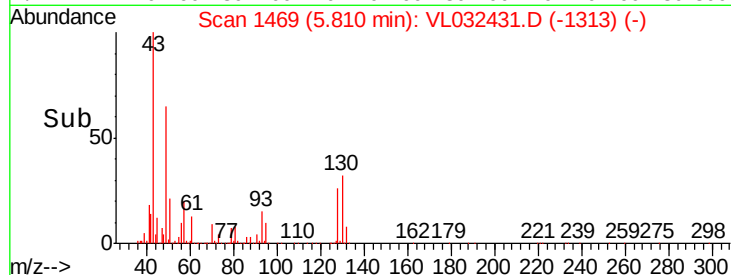
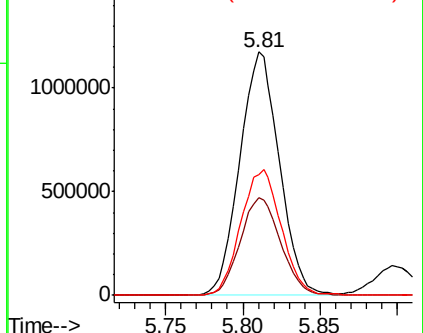
9/4/2018 8:25:21 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 14.12 ppbv

RT: 3.11 min Scan# 629

Delta R.T. 0.00 min

Lab File: VL032431.D

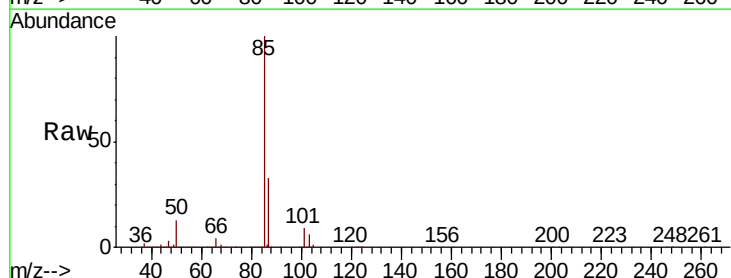
Acq: 31 Aug 2018 00:30

Tgt Ion: 85 Resp: 2636334

Ion Ratio Lower Upper

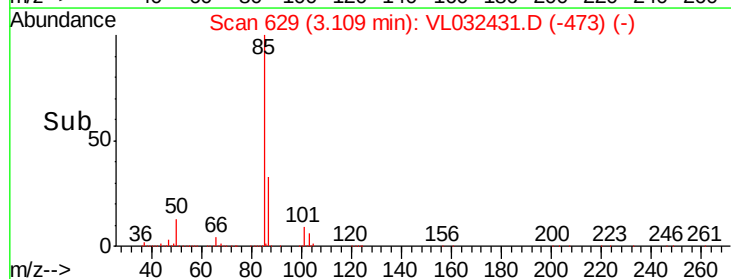
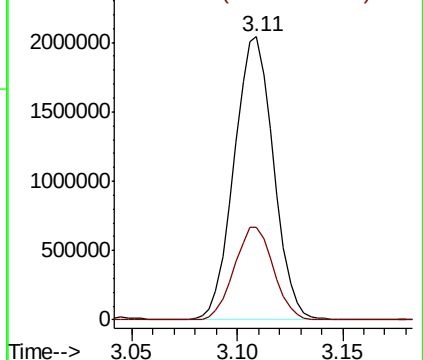
85 100

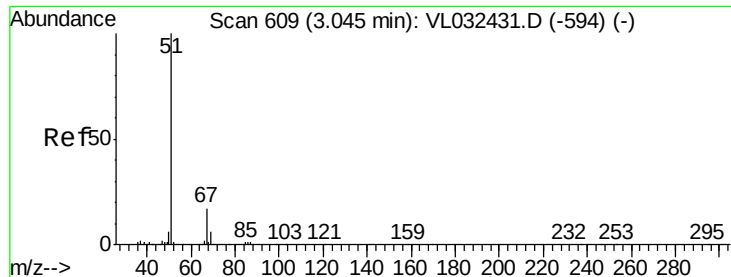
87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.34 ppbv

RT: 3.04 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tot Ion: 51 Resp: 1685948

Ion Ratio Lower Upper

51 100

67 17.3 13.8 20.8

Instrument :

MSVOA_L

ClientSampleId :

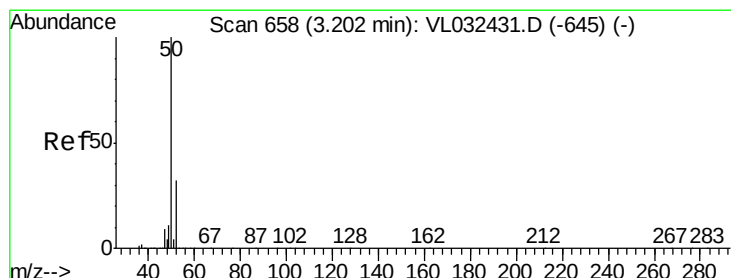
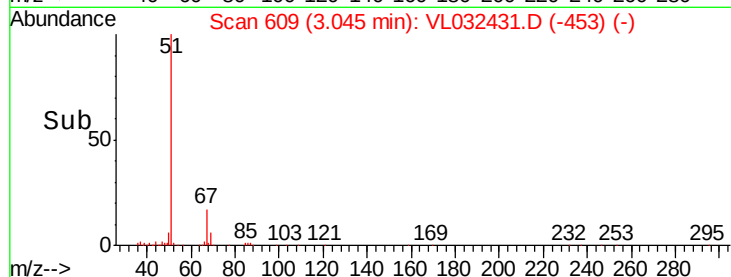
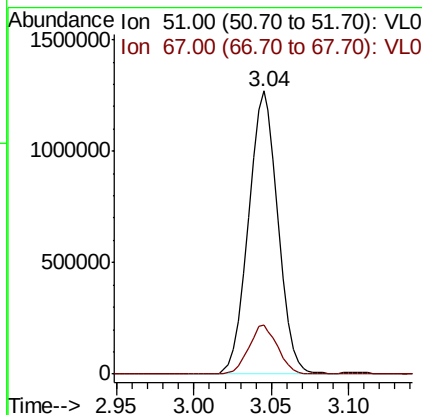
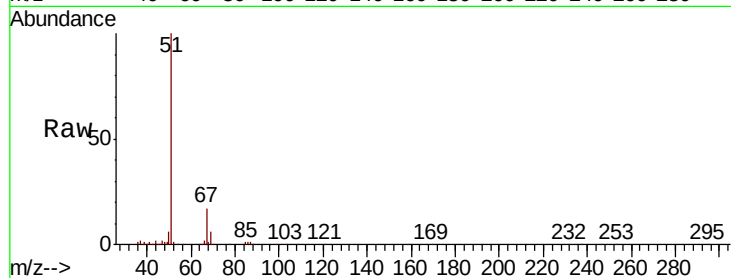
VSTDICCC010

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#4

Chloromethane

Concen: 9.28 ppbv

RT: 3.20 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL032431.D

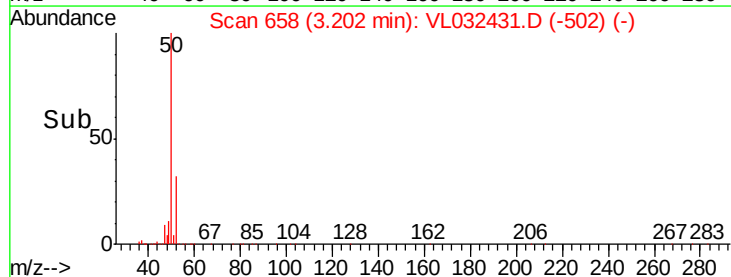
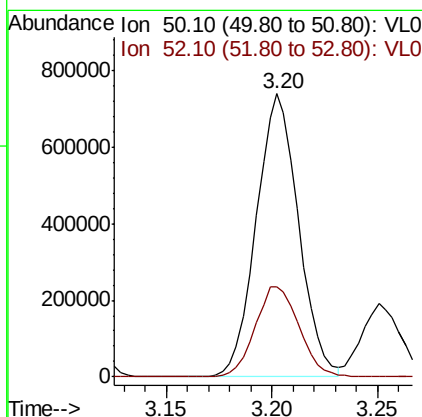
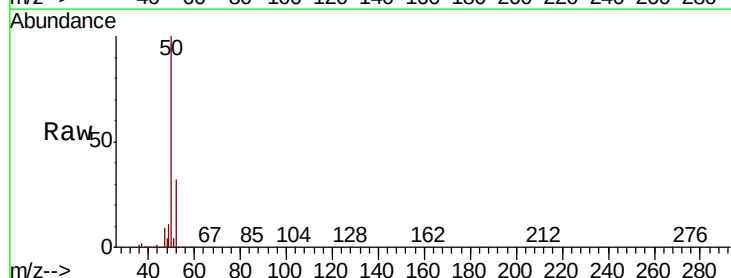
Acq: 31 Aug 2018 00:30

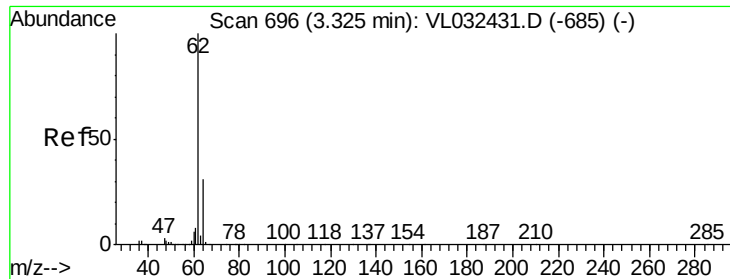
Tgt Ion: 50 Resp: 1025606

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4





#5

Vinyl Chloride

Concen: 10.09 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 986757

Ion Ratio Lower Upper

62 100

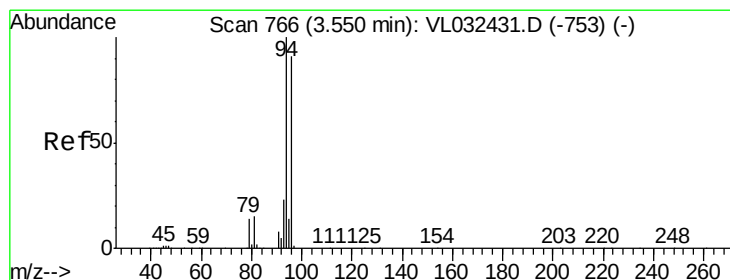
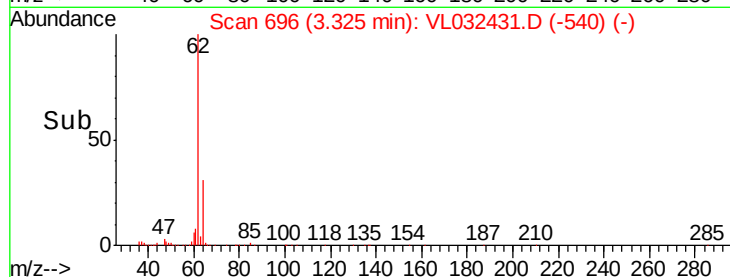
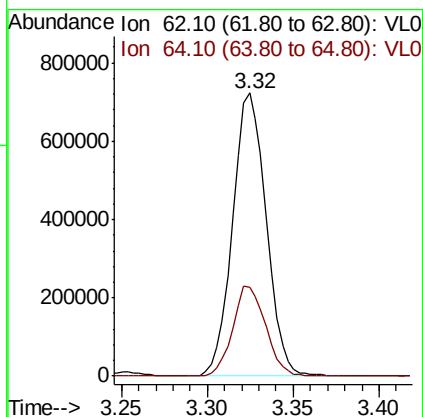
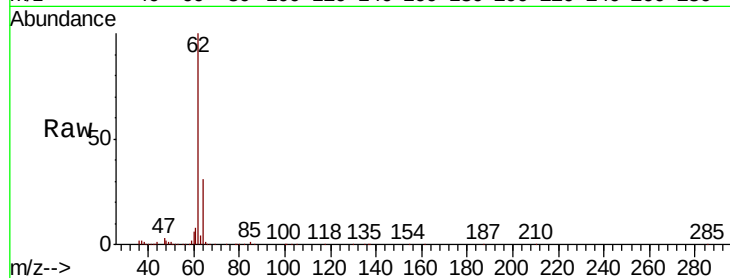
64 31.3 25.0 37.6

Manual Integrations

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#6

Bromomethane

Concen: 9.19 ppbv

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VL032431.D

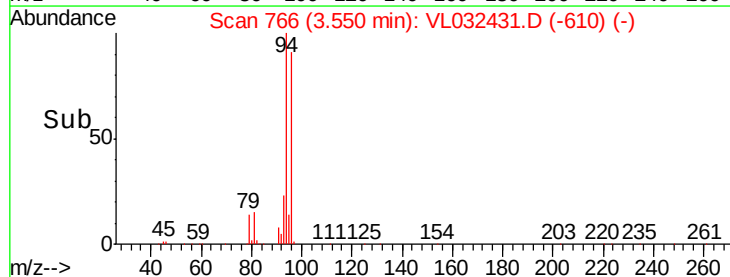
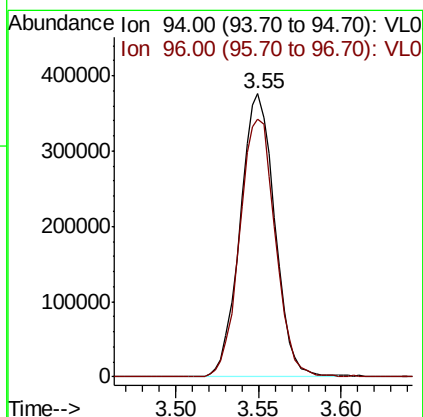
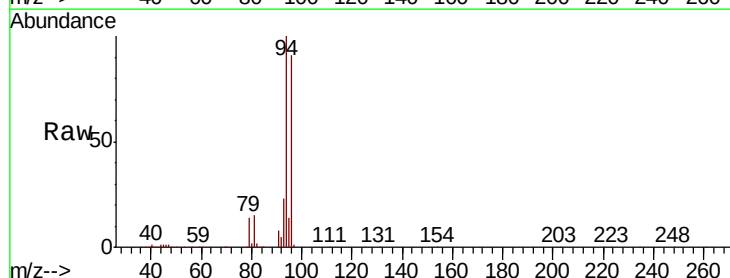
Acq: 31 Aug 2018 00:30

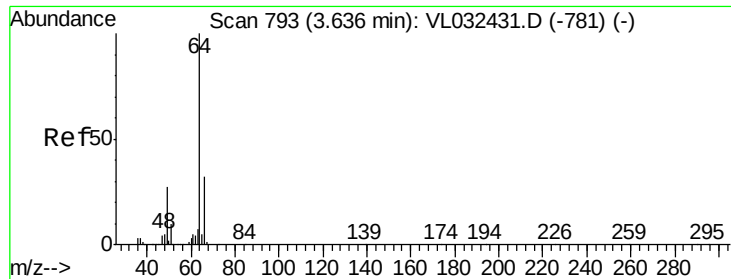
Tgt Ion: 94 Resp: 546595

Ion Ratio Lower Upper

94 100

96 91.0 72.8 109.2





#7

Chloroethane

Concen: 9.29 ppbv

RT: 3.64 min Scan# 793

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 357043

Ion Ratio Lower Upper

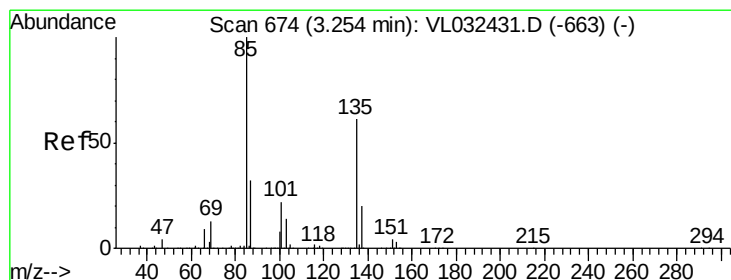
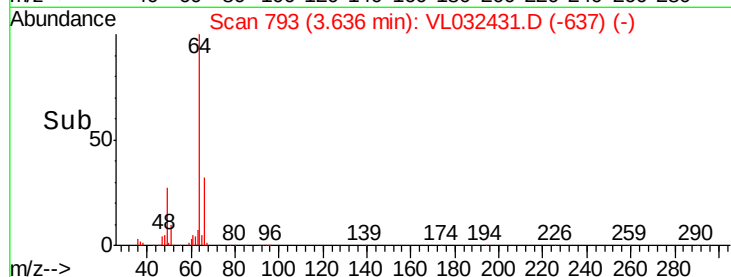
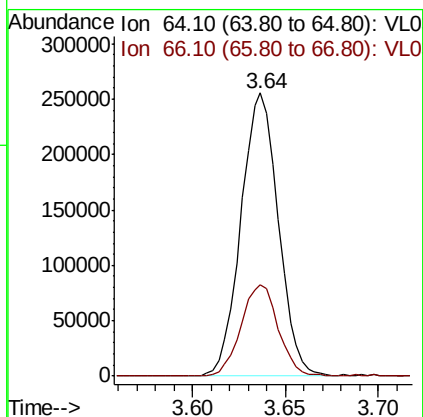
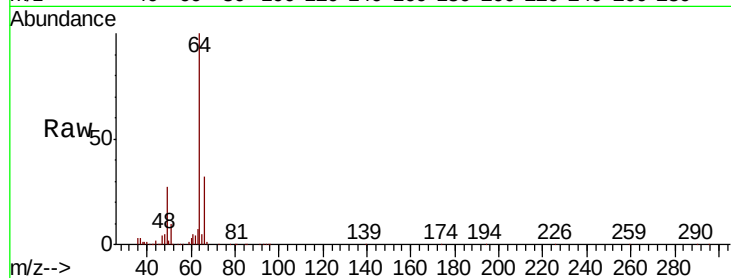
64 100

66 32.2 25.8 38.6

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.14 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL032431.D

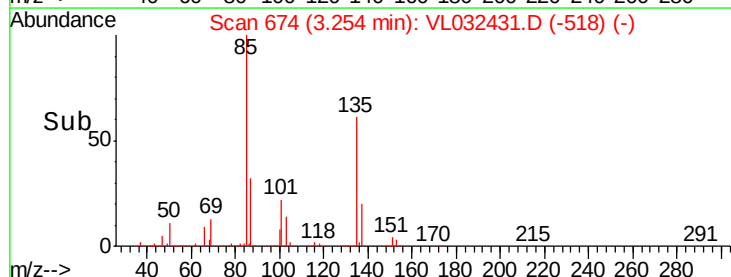
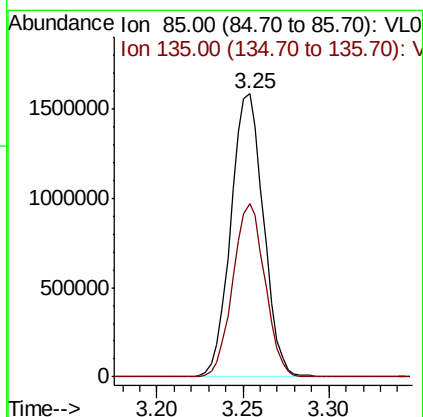
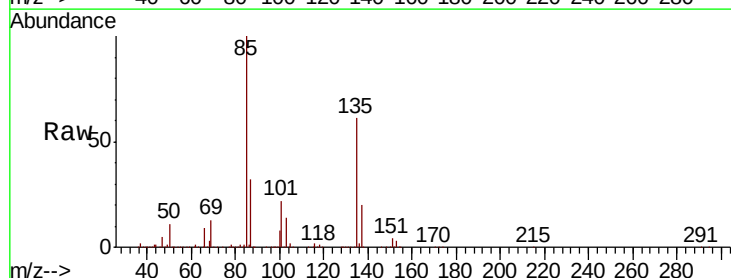
Acq: 31 Aug 2018 00:30

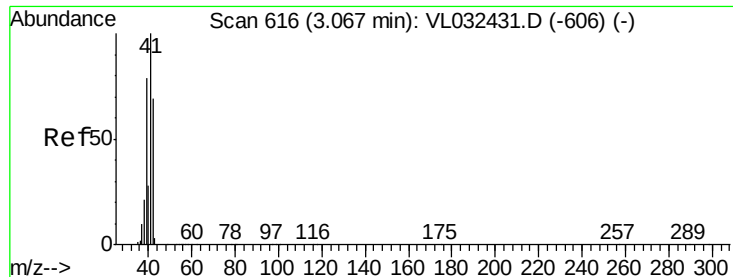
Tgt Ion: 85 Resp: 2096679

Ion Ratio Lower Upper

85 100

135 60.7 48.6 72.8





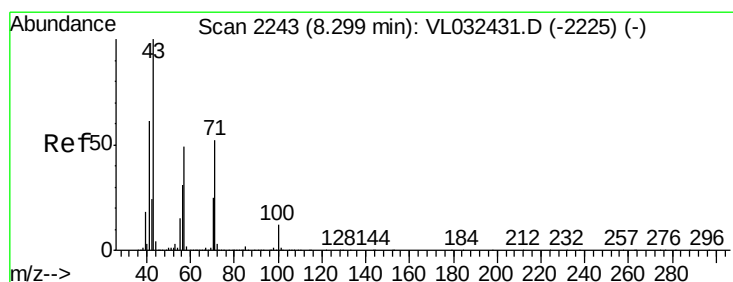
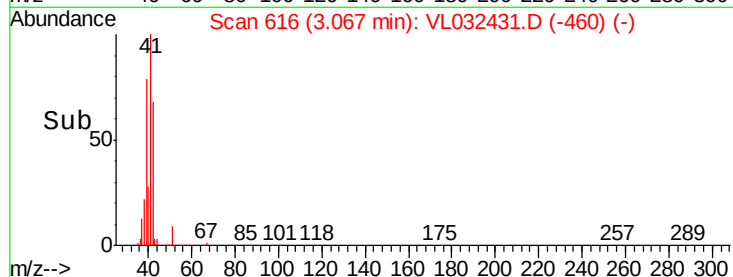
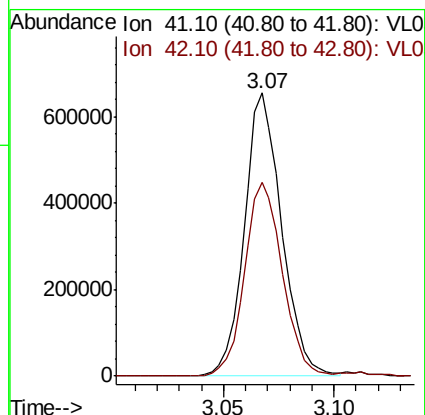
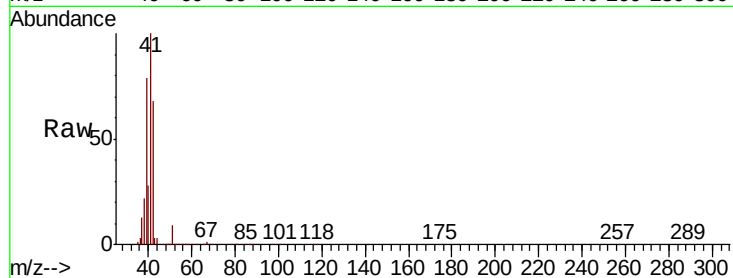
#9
 Propene
 Concen: 10.75 ppbv
 RT: 3.07 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 767339
 Ion Ratio Lower Upper
 41 100
 42 70.7 56.6 84.8

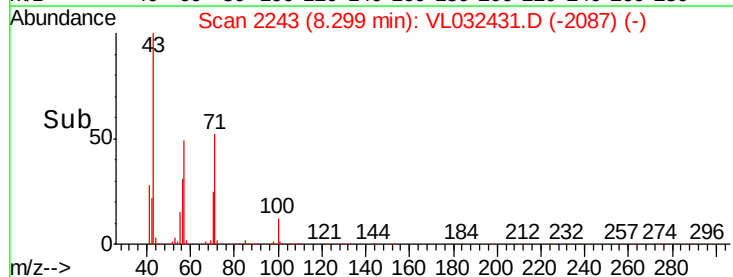
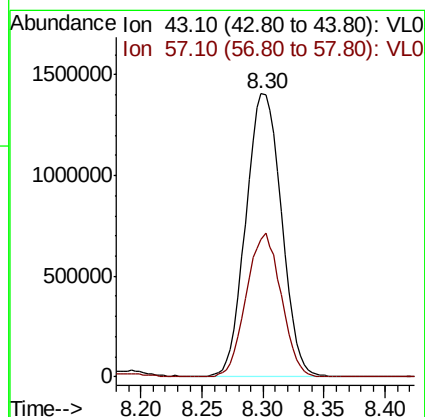
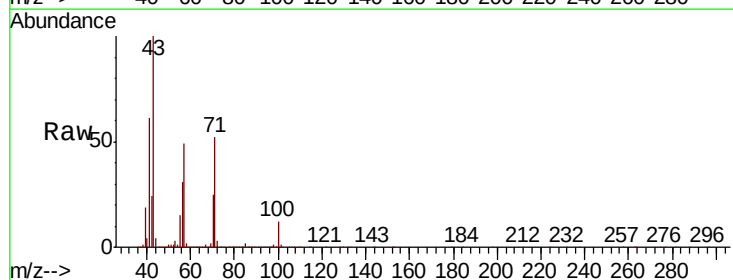
Manual Integrations
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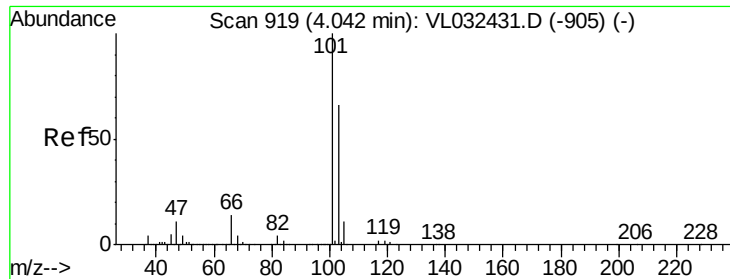
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#10
 Heptane
 Concen: 10.97 ppbv
 RT: 8.30 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 43 Resp: 2827836
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.8 59.6





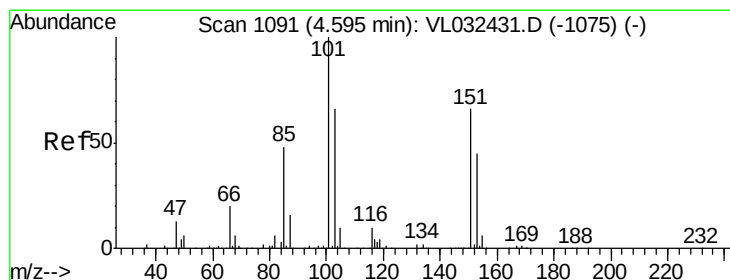
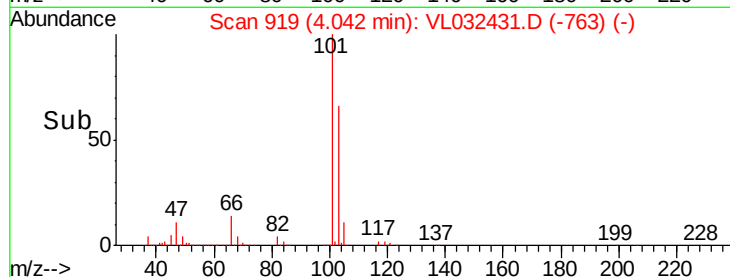
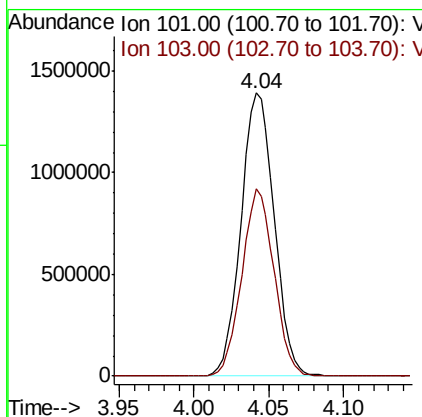
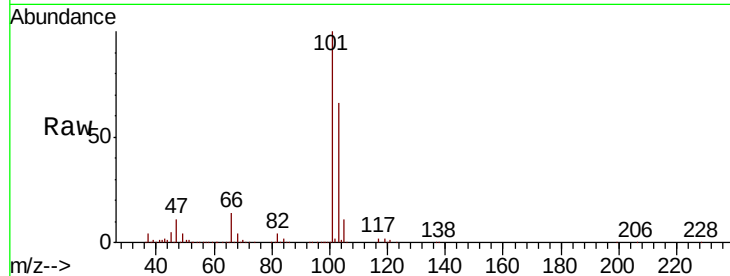
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 Trichlorofluoromethane
 Concen: 9.21 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2153888
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.8 79.2

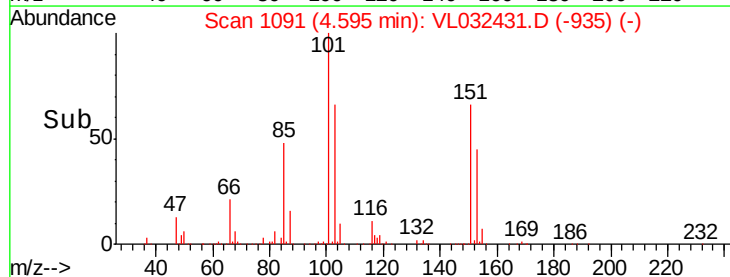
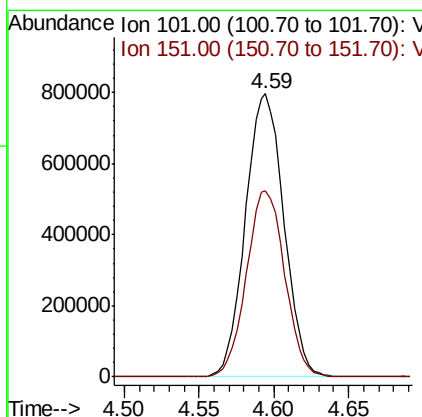
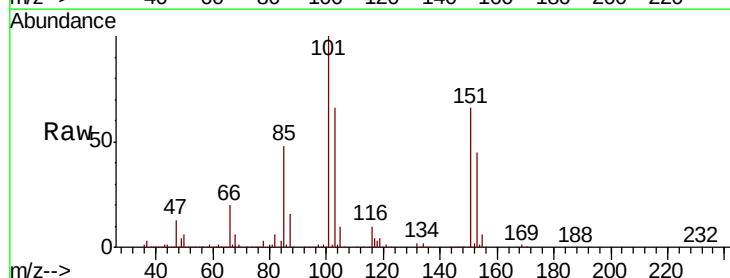
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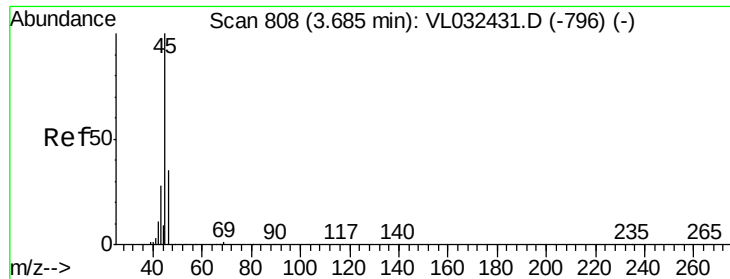
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.11 ppbv
 RT: 4.59 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion:101 Resp: 1425196
 Ion Ratio Lower Upper
 101 100
 151 65.7 52.6 78.8





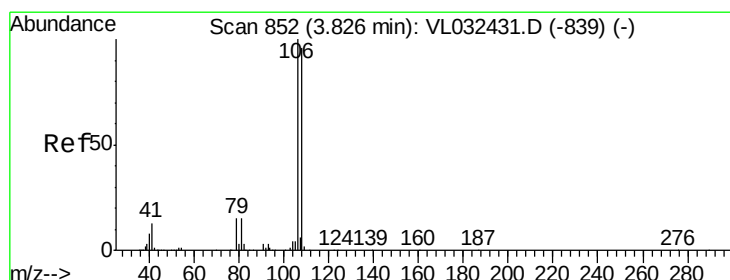
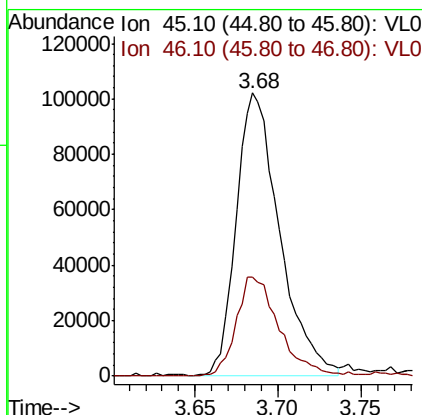
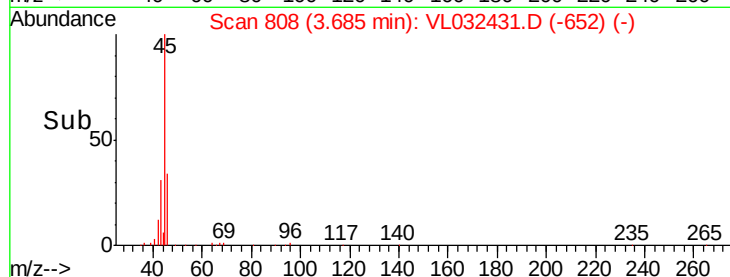
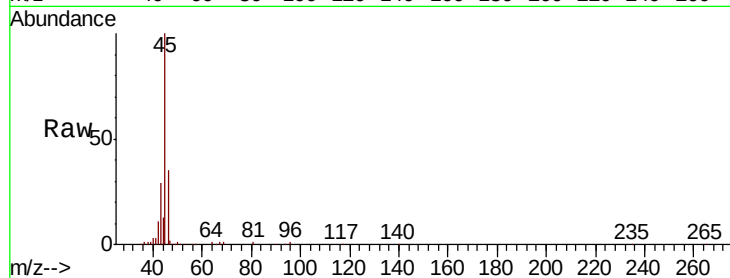
#13
Ethanol
Concen: 8.07 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.5	13.9	55.7

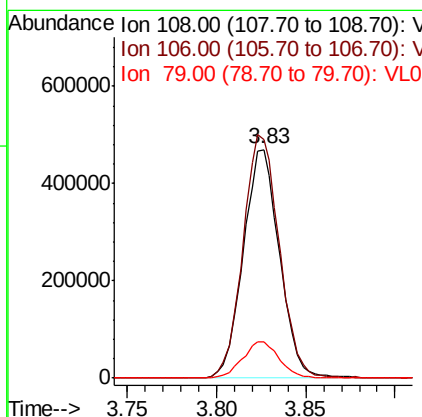
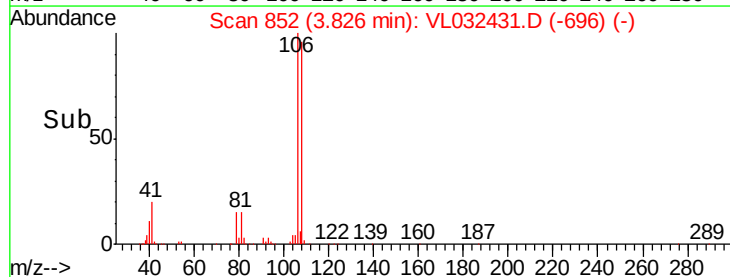
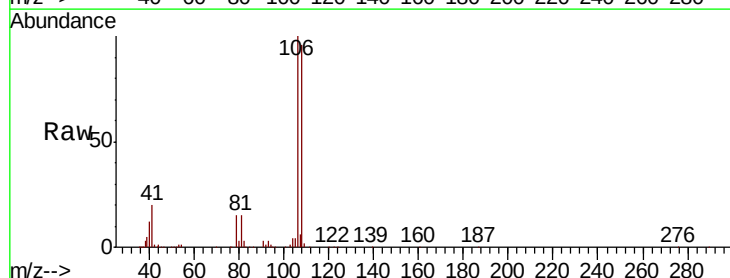
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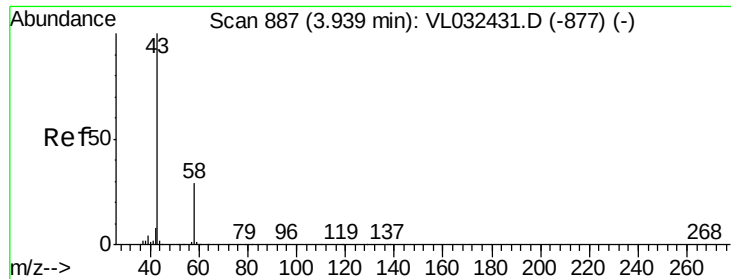
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#14
Bromoethene
Concen: 9.87 ppbv
RT: 3.83 min Scan# 852
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.9	85.5	128.3
79	16.3	13.0	19.6





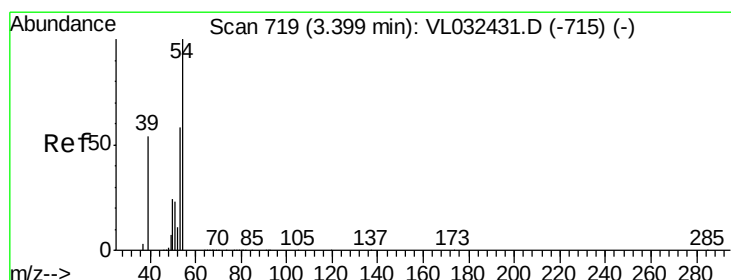
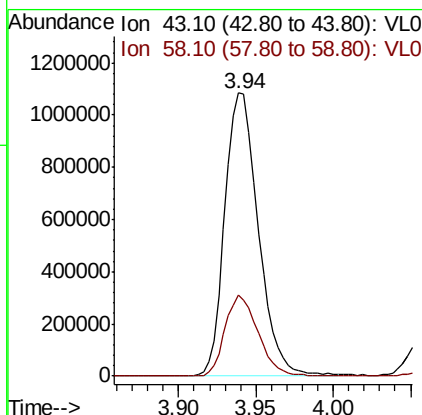
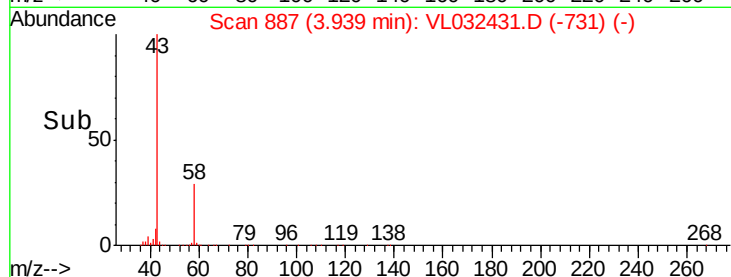
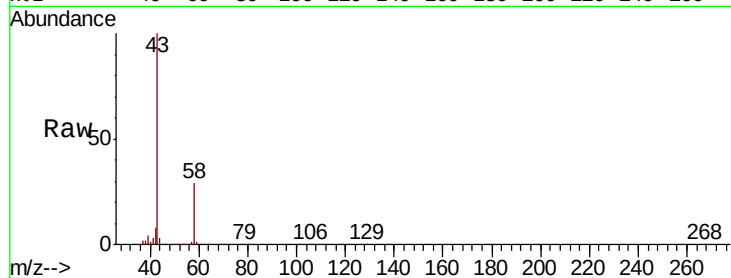
#15
Acetone
Concen: 8.18 ppbv
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1625736
Ion Ratio Lower Upper
43 100
58 28.2 22.6 33.8

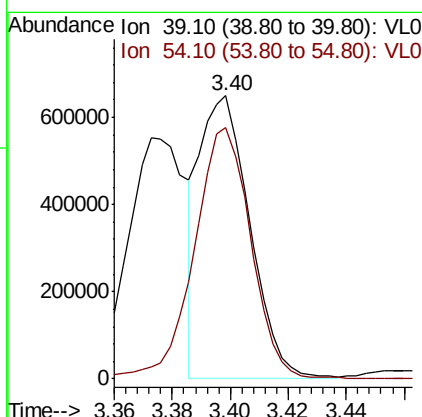
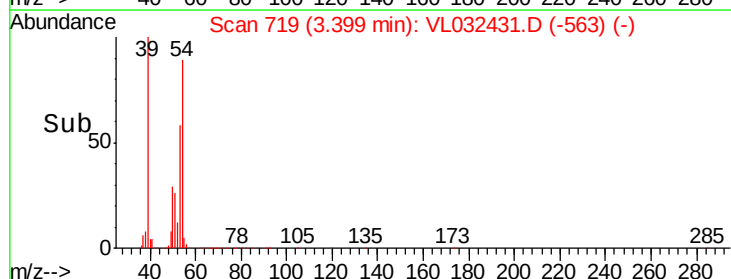
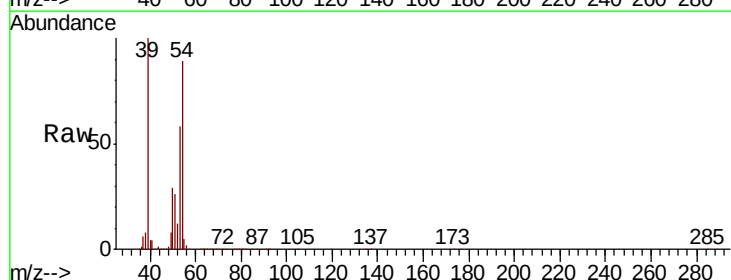
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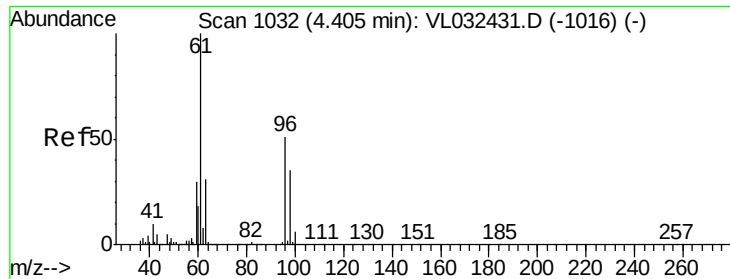
apatel
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#16
1,3-Butadiene
Concen: 9.39 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 39 Resp: 779131
Ion Ratio Lower Upper
39 100
54 101.0 80.8 121.2





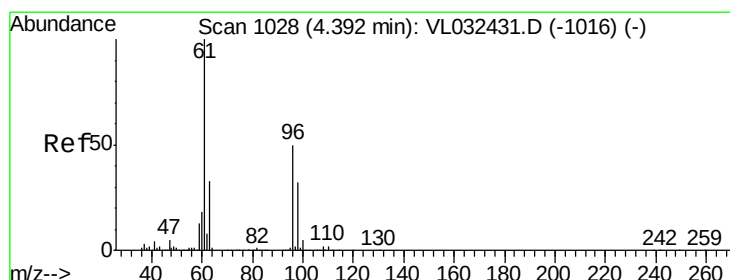
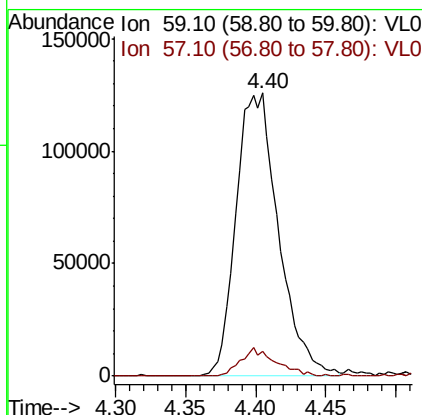
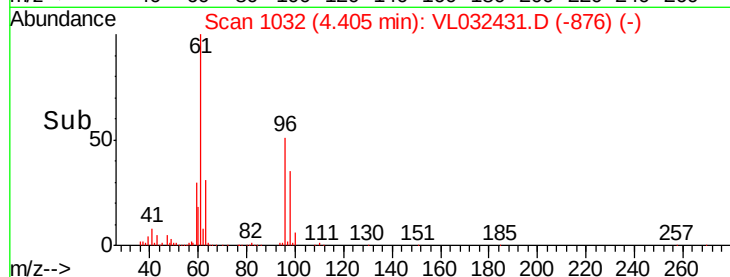
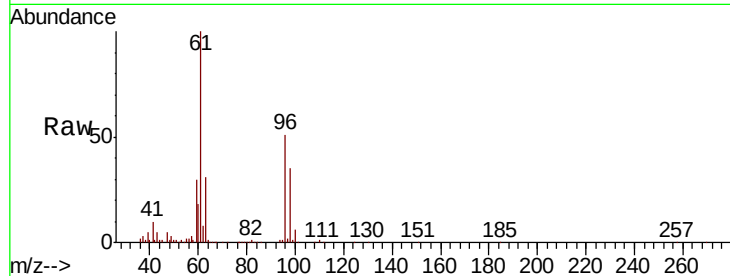
#17
 tert-Butyl alcohol
 Concen: 8.09 ppbv m
 RT: 4.40 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 59 Resp: 264017
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

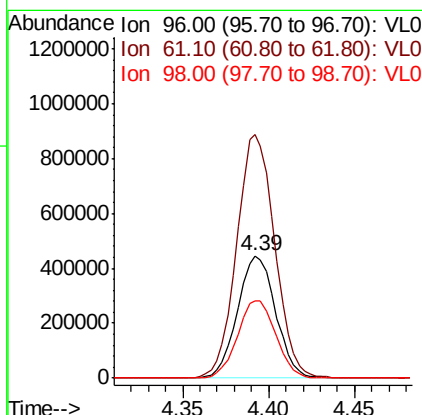
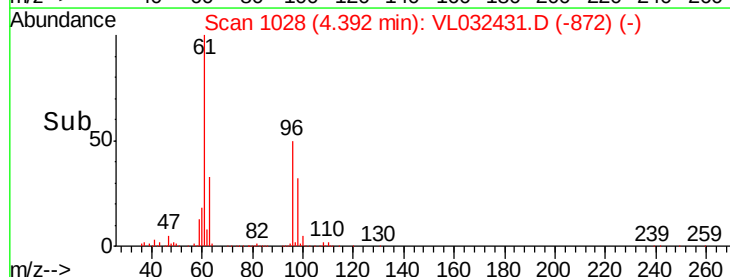
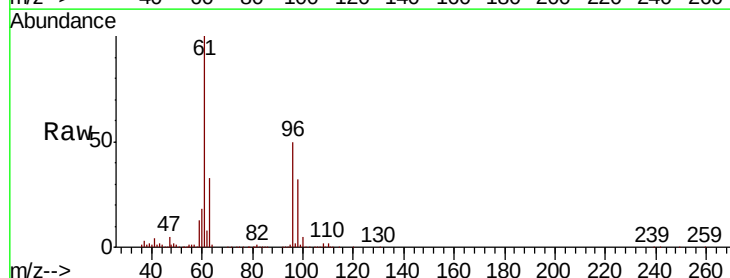
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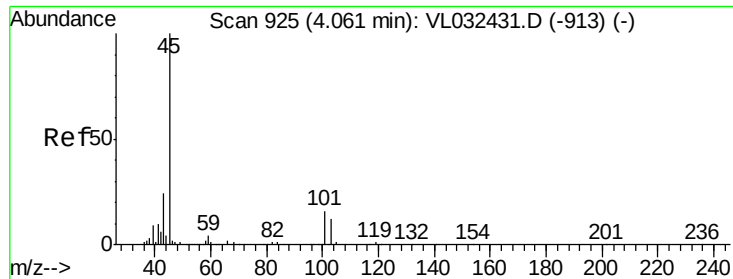
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#18
 1,1-Dichloroethene
 Concen: 9.51 ppbv
 RT: 4.39 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 96 Resp: 682271
 Ion Ratio Lower Upper
 96 100
 61 199.0 159.2 238.8
 98 63.7 51.0 76.4





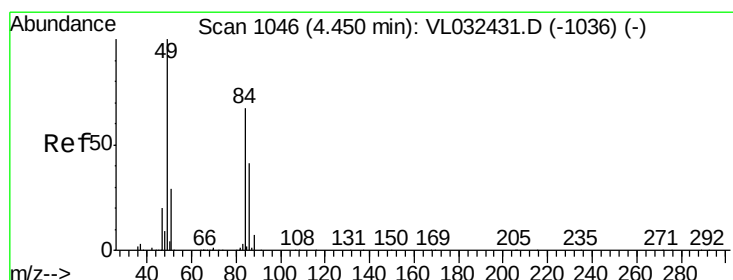
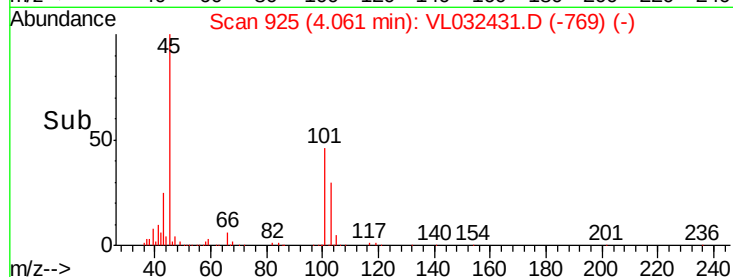
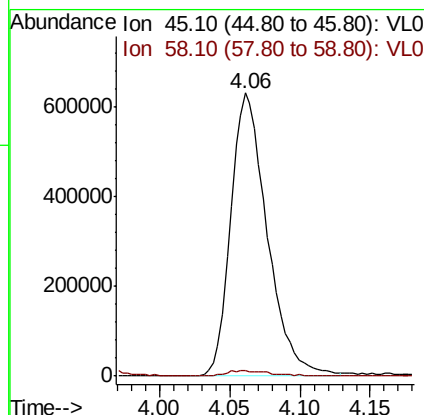
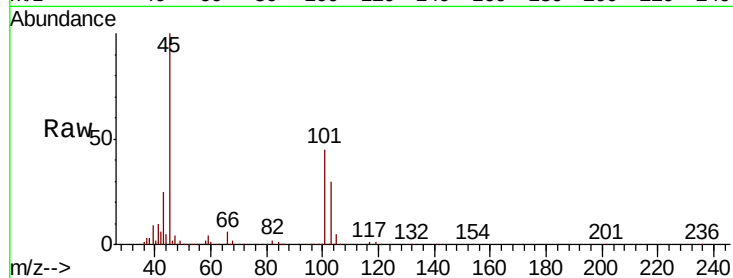
#19
Isopropyl Alcohol
Concen: 9.08 ppbv
RT: 4.06 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 1137530
Ion Ratio Lower Upper
45 100
58 2.5 2.0 3.0

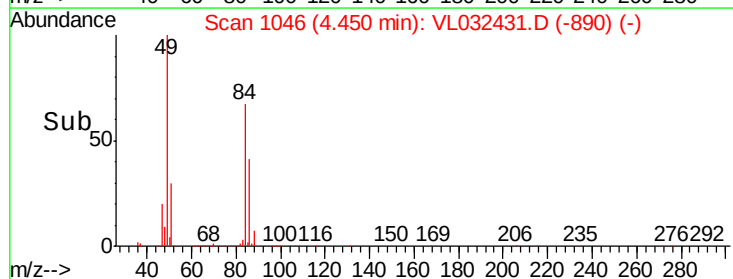
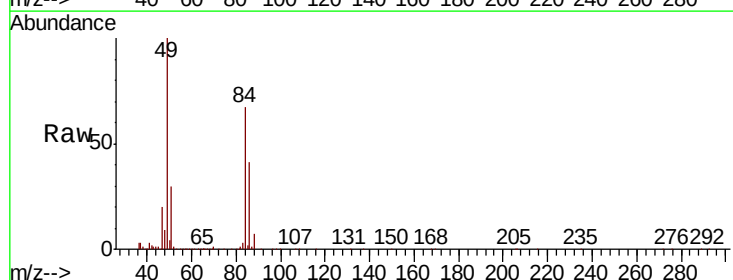
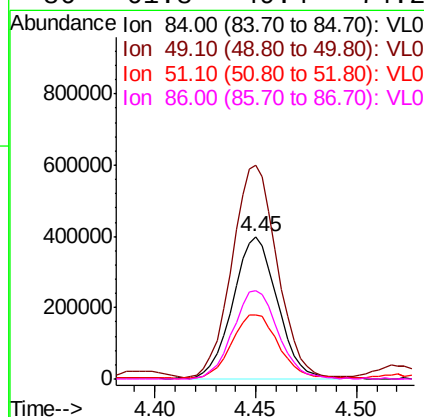
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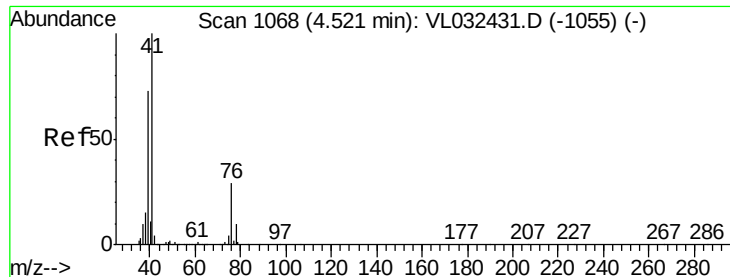
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#20
Methylene Chloride
Concen: 8.27 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 84 Resp: 610298
Ion Ratio Lower Upper
84 100
49 148.9 119.1 178.7
51 44.0 35.2 52.8
86 61.8 49.4 74.2





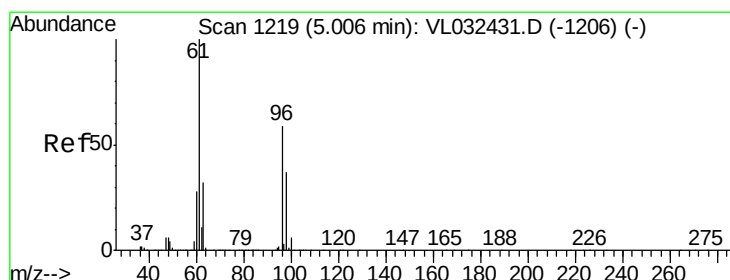
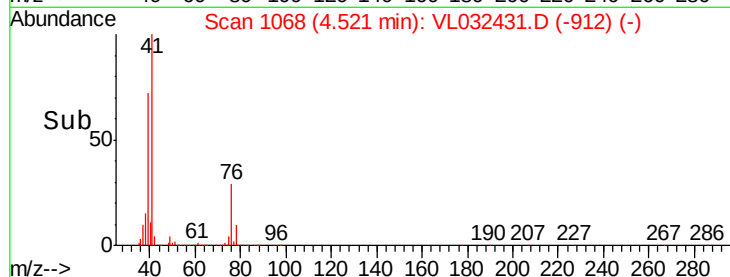
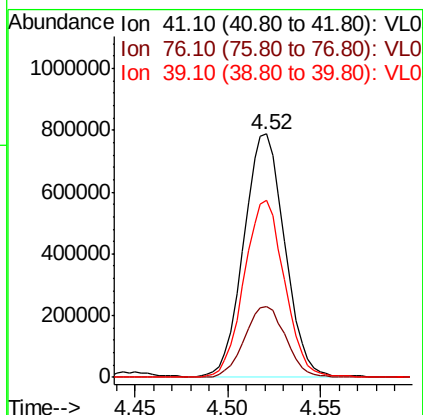
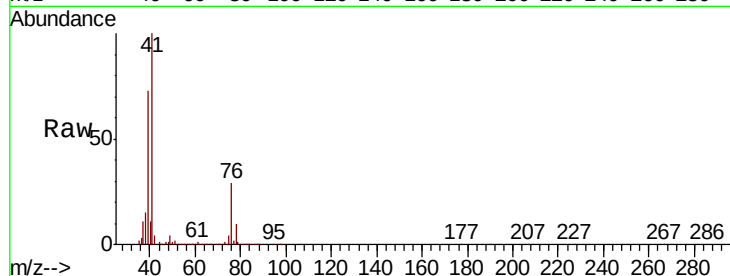
#21
Allvl Chloride
Concen: 9.59 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.6	35.4
39	72.1	57.7	86.5

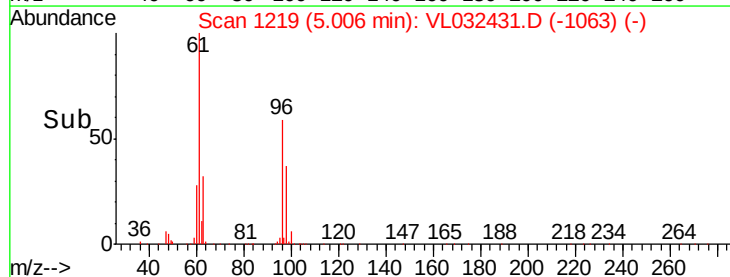
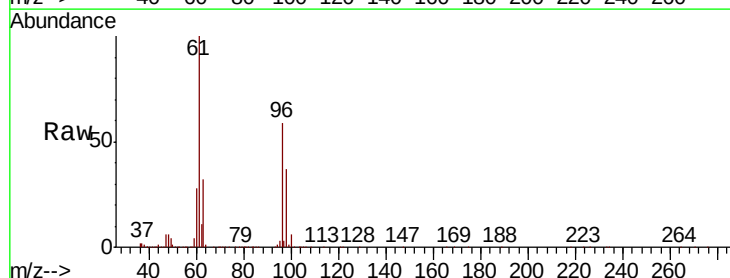
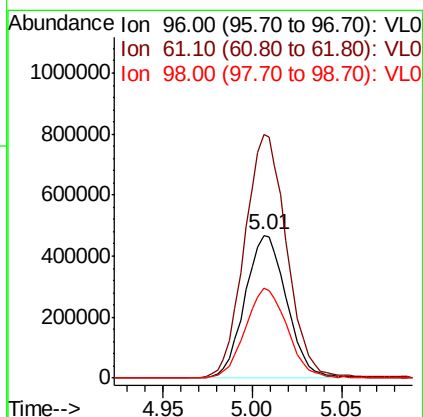
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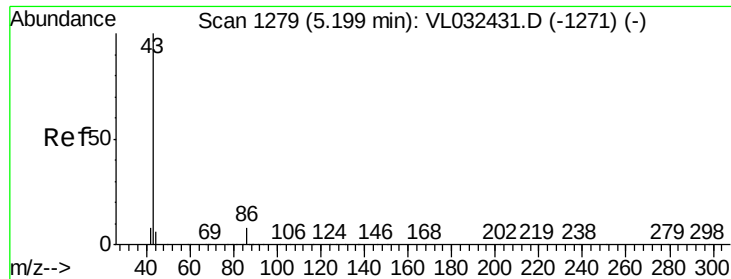
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#22
trans-1,2-Dichloroethene
Concen: 9.86 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	136.2	204.4
98	63.0	50.4	75.6





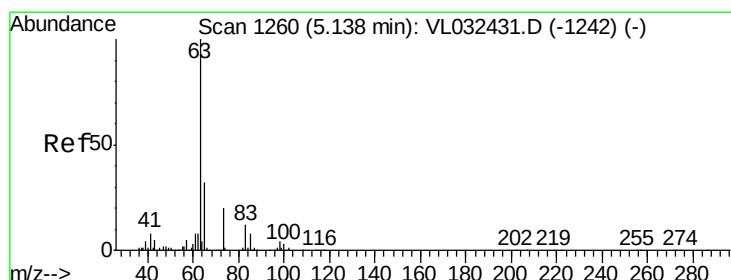
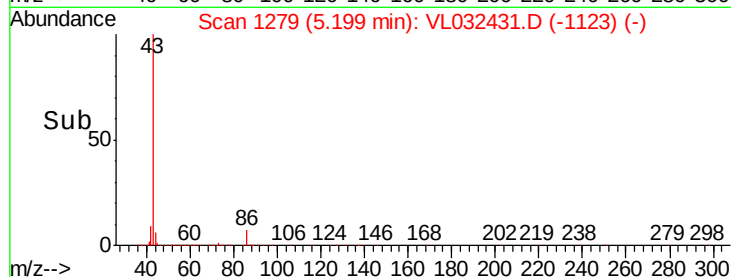
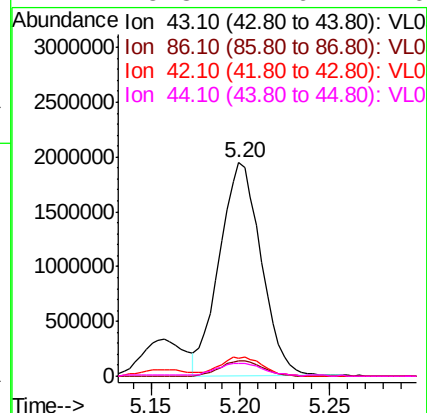
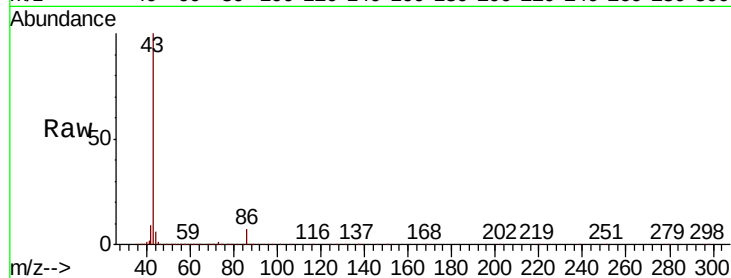
#23
 Vinyl Acetate
 Concen: 10.30 ppbv
 RT: 5.20 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.4	5.9	8.9	
42	8.6	6.9	10.3	
44	5.8	4.6	7.0	

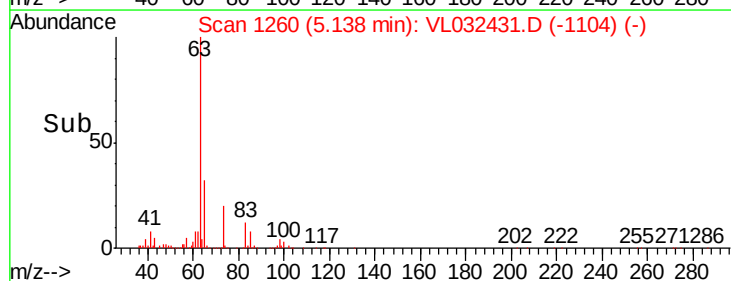
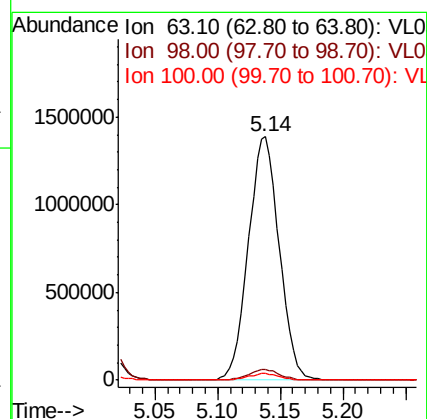
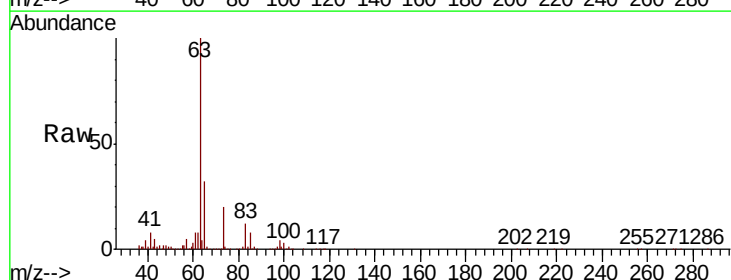
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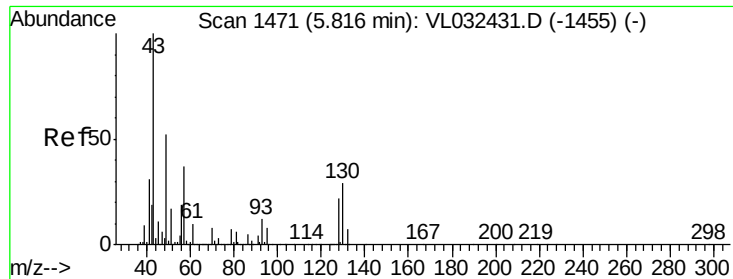
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#24
 1,1-Dichloroethane
 Concen: 9.66 ppbv
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.9	1.5	4.4	





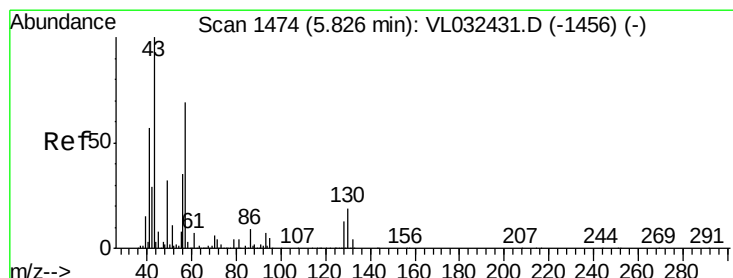
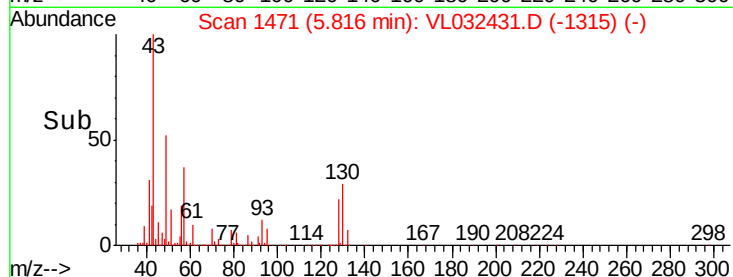
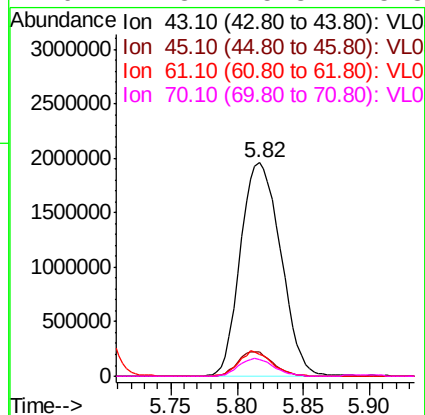
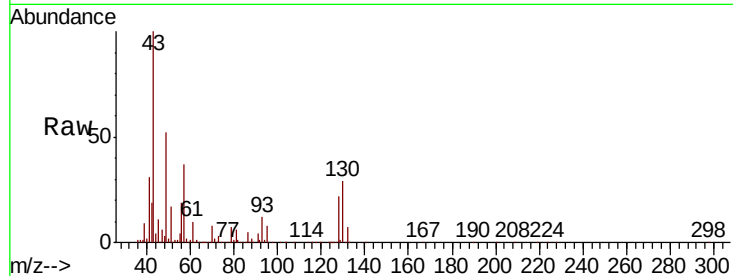
#25
Ethyl Acetate
Concen: 9.87 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.0	12.0	
61	9.5	7.6	11.4	
70	7.3	5.8	8.8	

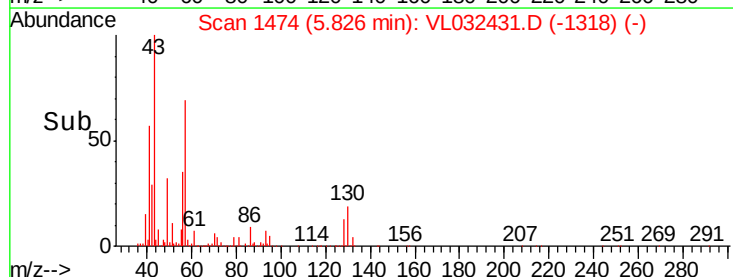
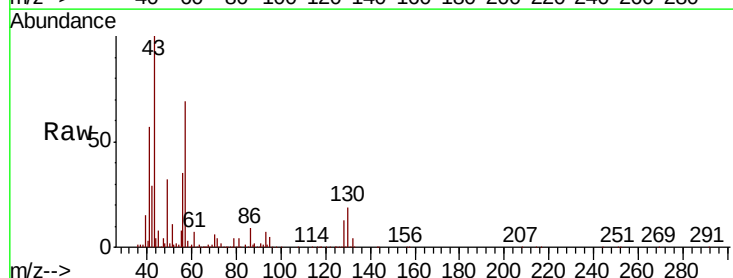
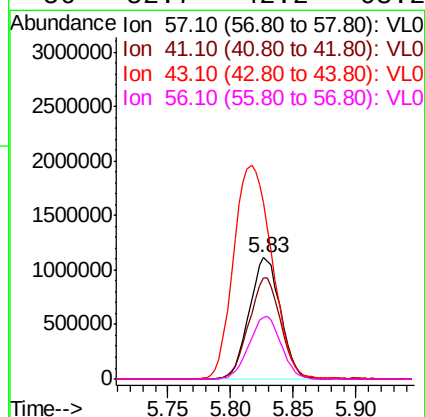
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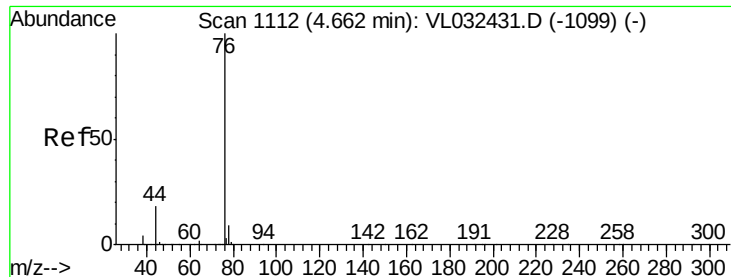
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#26
Hexane
Concen: 10.26 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.2	68.4	102.6	
43	215.1	172.6	258.8	
56	52.7	42.2	63.2	





#27

Carbon Disulfide

Concen: 9.94 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1794980

Ion Ratio Lower Upper

76 100

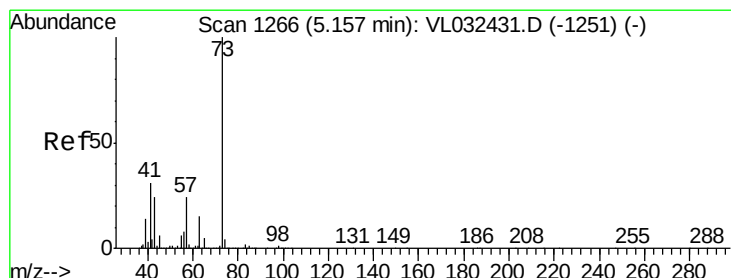
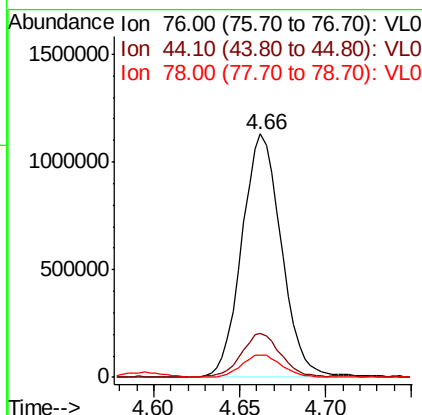
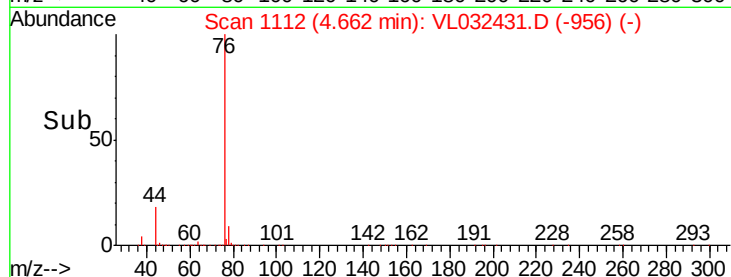
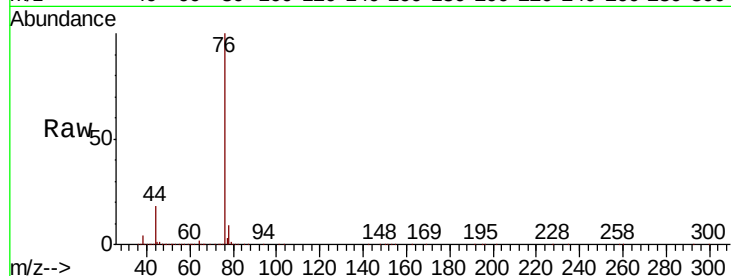
44 17.5 14.0 21.0

78 9.4 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 10.74 ppbv

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL032431.D

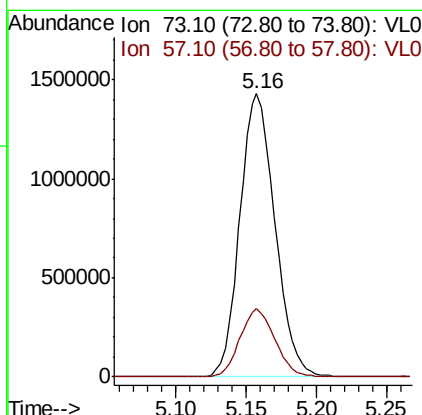
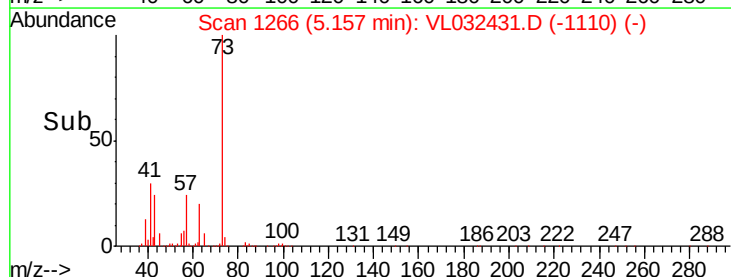
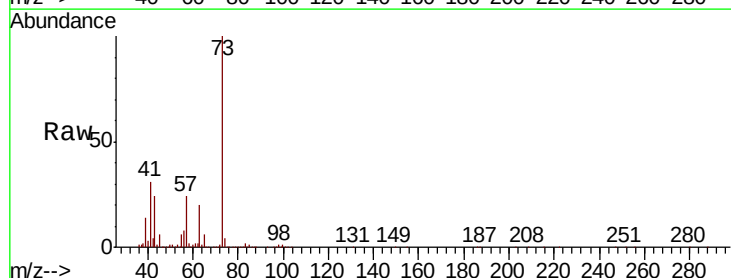
Acq: 31 Aug 2018 00:30

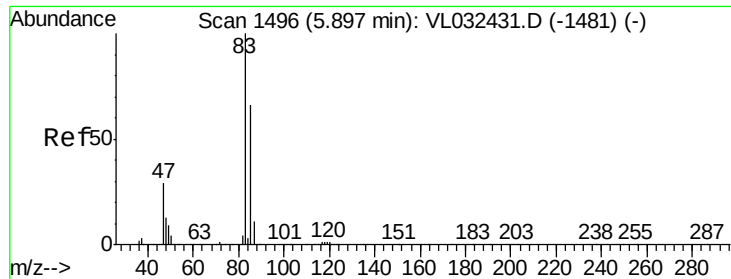
Tgt Ion: 73 Resp: 2494131

Ion Ratio Lower Upper

73 100

57 24.1 19.3 28.9





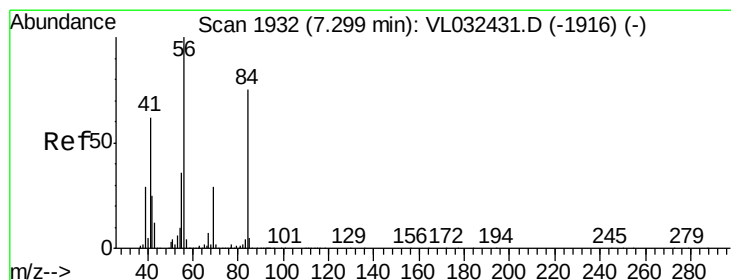
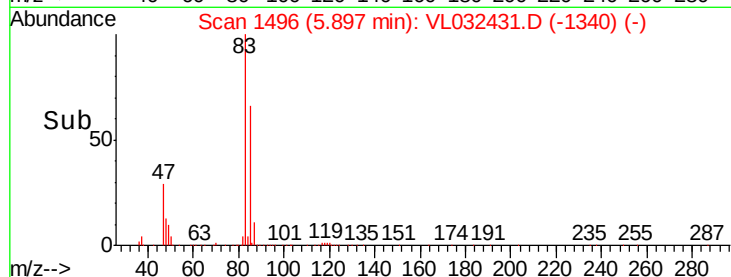
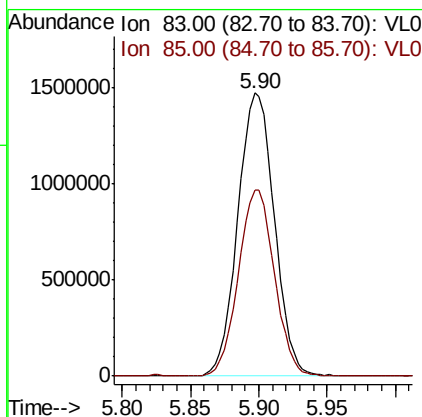
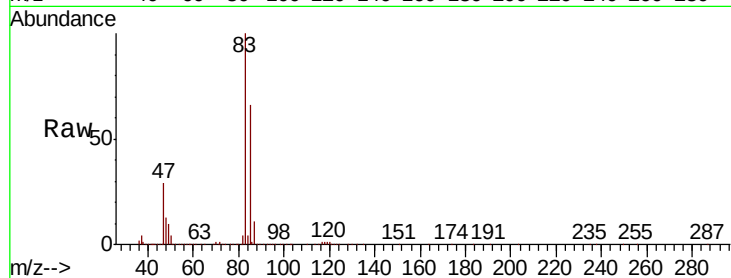
#29
Chloroform
Concen: 9.42 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2739293
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7

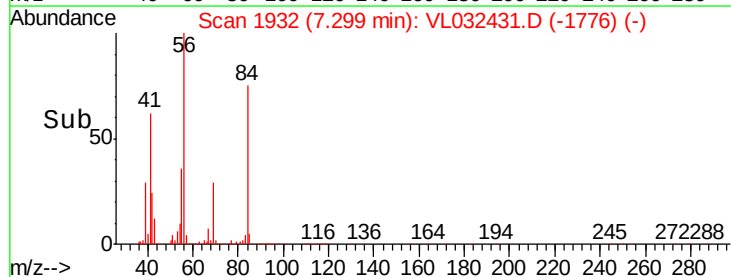
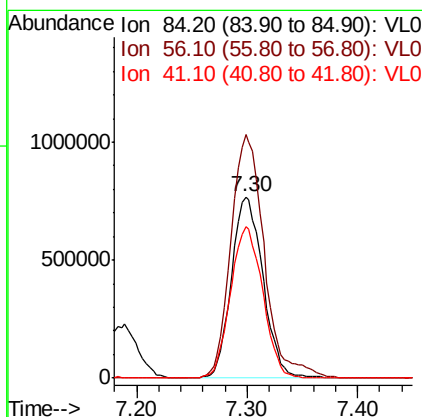
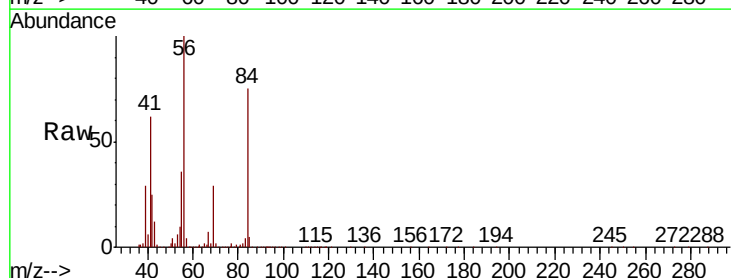
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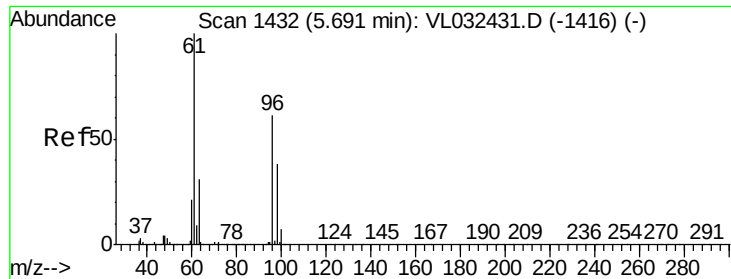
apatel
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#30
Cyclohexane
Concen: 11.00 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 84 Resp: 1528127
Ion Ratio Lower Upper
84 100
56 141.9 113.5 170.3
41 85.1 68.0 102.0





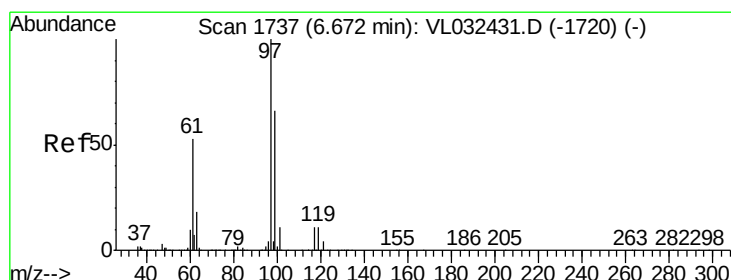
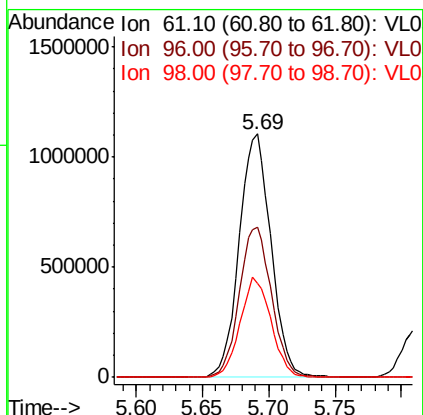
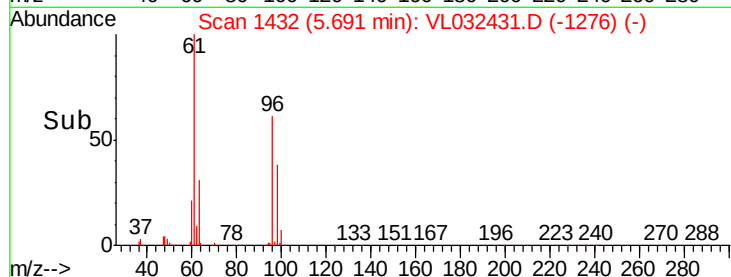
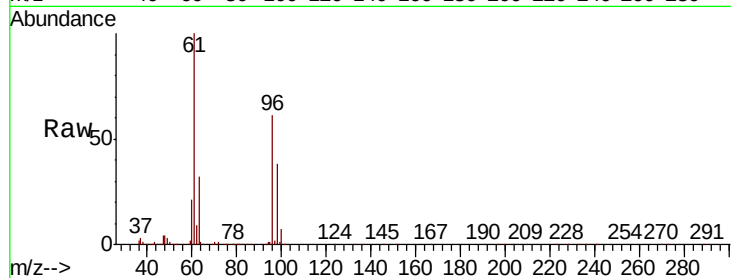
#31
 cis-1,2-Dichloroethene
 Concen: 10.72 ppbv
 RT: 5.69 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.5	49.2	73.8
98	38.4	30.7	46.1

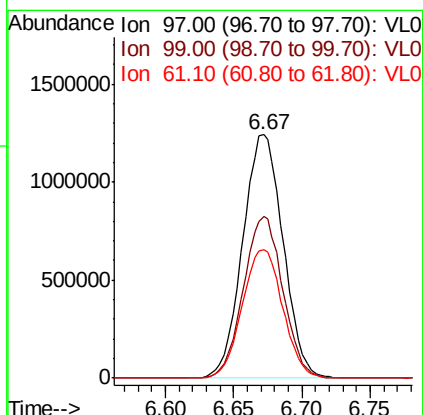
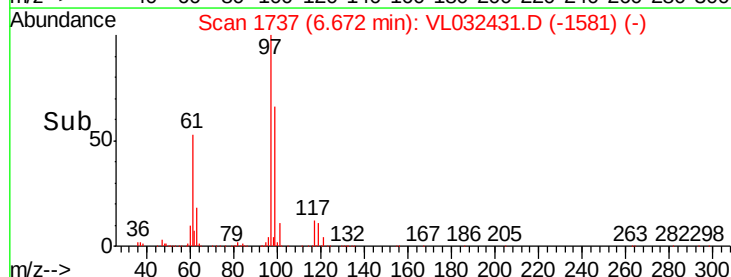
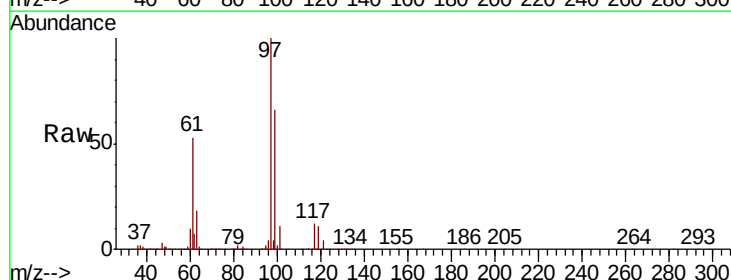
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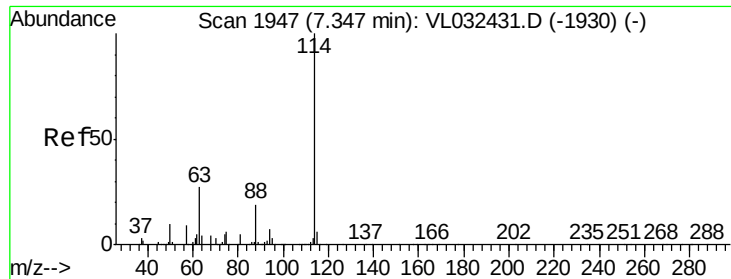
apatel
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#32
 1,1,1-Trichloroethane
 Concen: 10.17 ppbv
 RT: 6.67 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	53.1	42.6	64.0





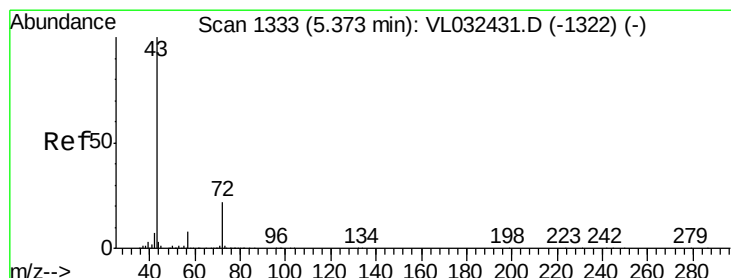
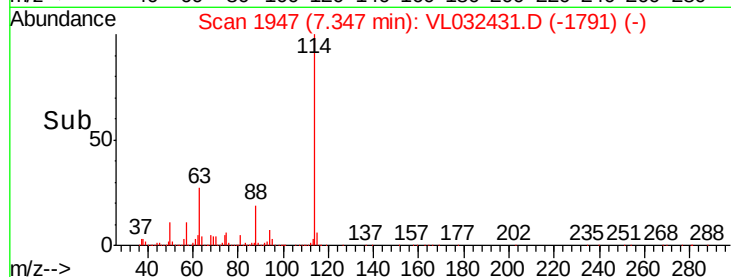
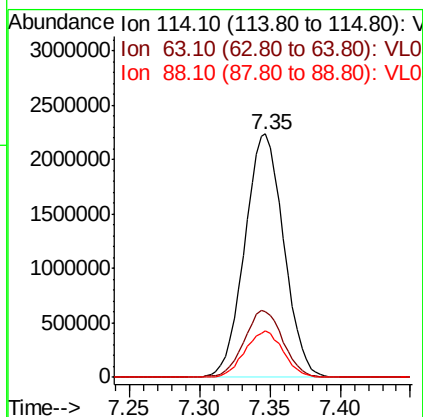
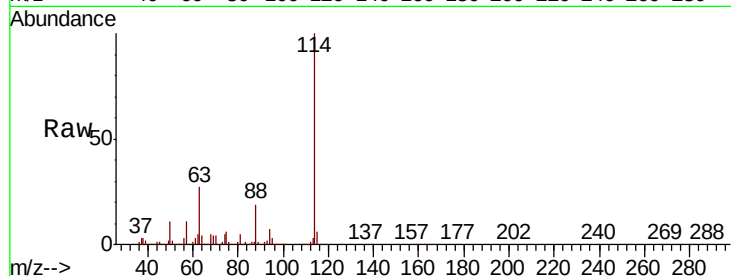
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 1947
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.1	33.1
88	18.7	15.0	22.6

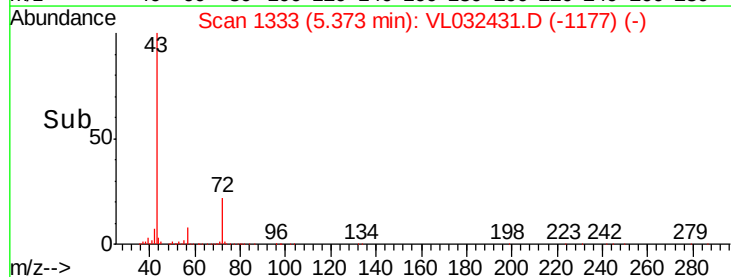
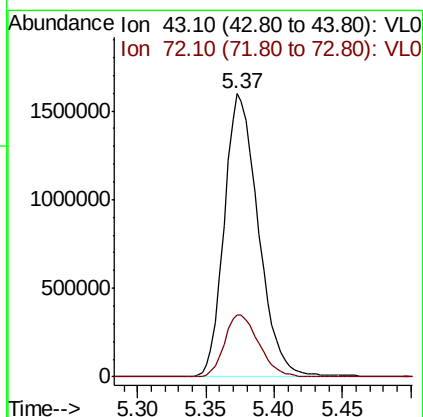
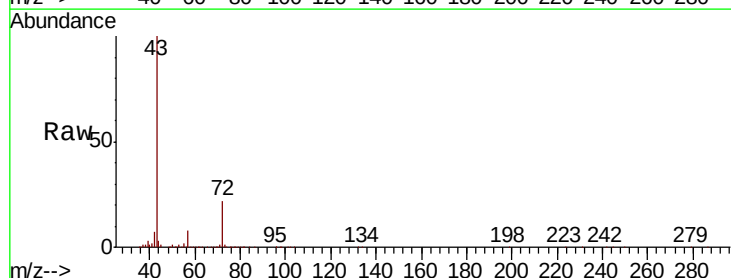
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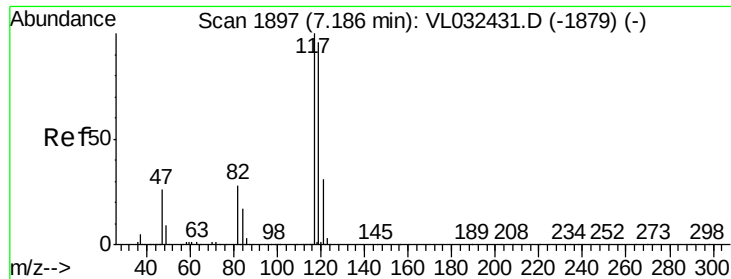
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#34
 2-Butanone
 Concen: 10.00 ppbv
 RT: 5.37 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6





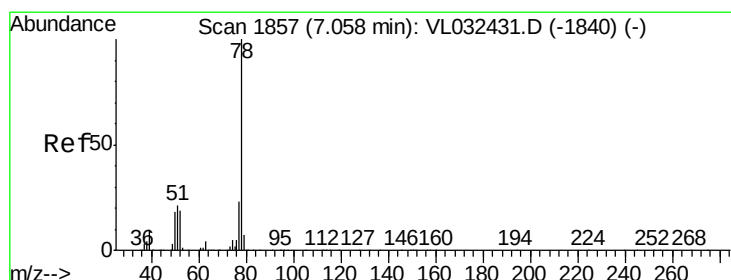
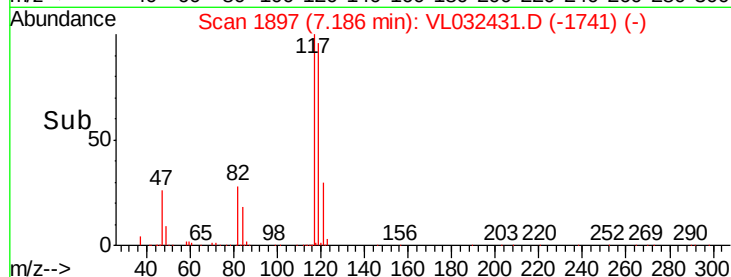
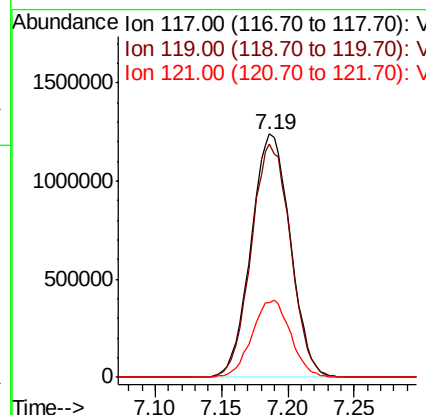
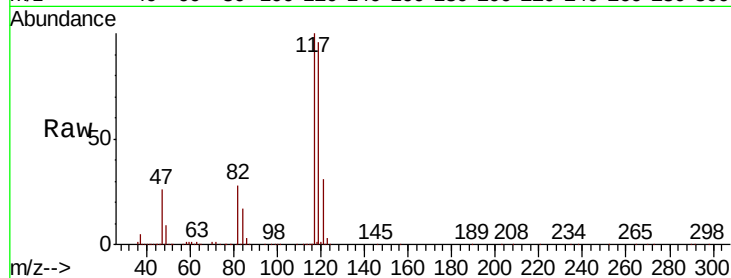
#35
Carbon Tetrachloride
Concen: 9.56 ppbv
RT: 7.19 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.7	24.6	36.8

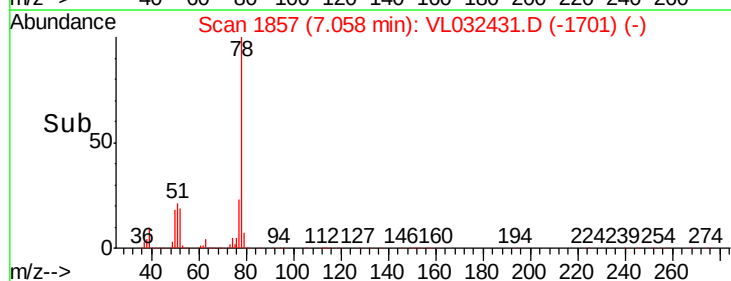
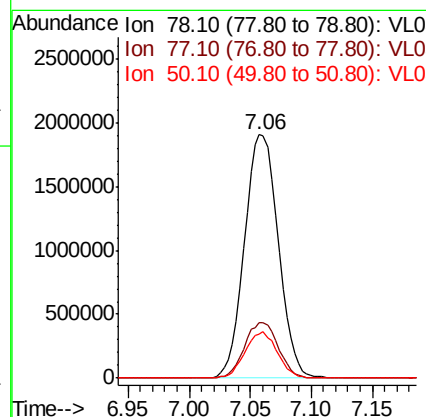
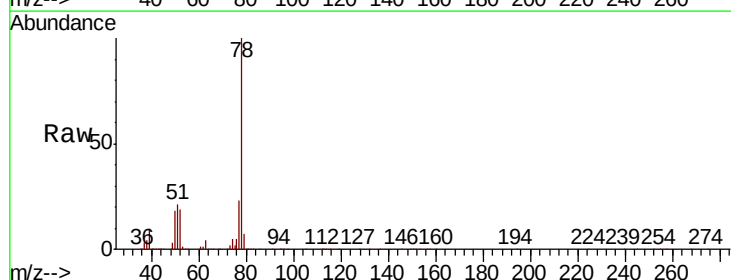
Manual Integrations
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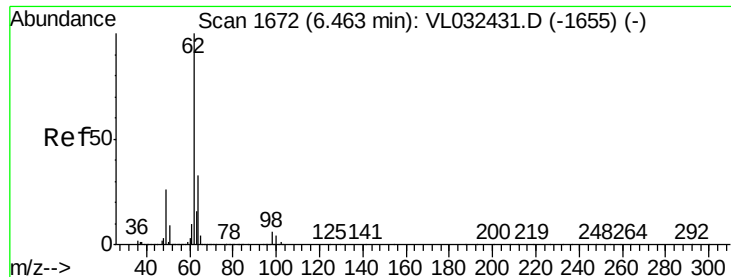
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#36
Benzene
Concen: 10.14 ppbv
RT: 7.06 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
50	18.0	14.4	21.6





#37

1,2-Dichloroethane

Concen: 9.41 ppbv

RT: 6.46 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 2093531

Ion Ratio Lower Upper

62 100

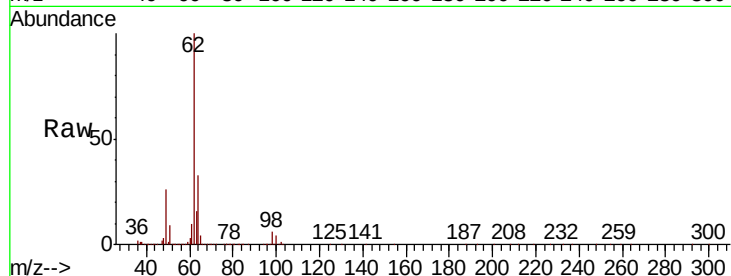
98 6.3 5.0 7.6

Manual Integrations

APPROVED

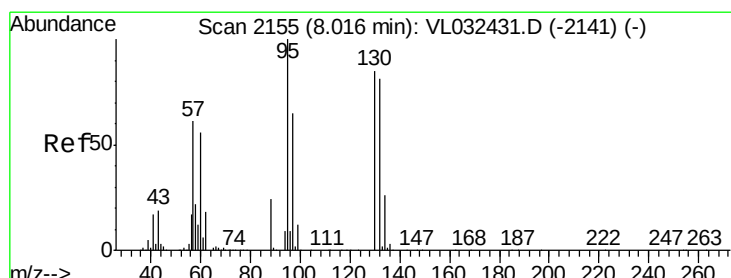
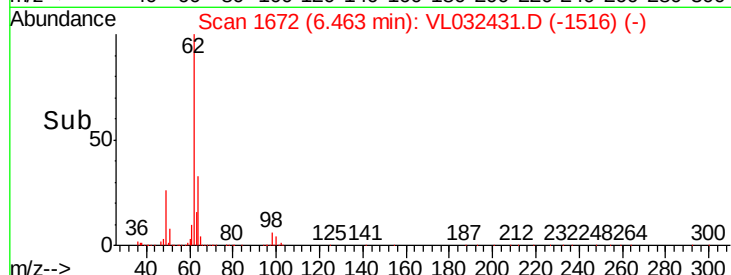
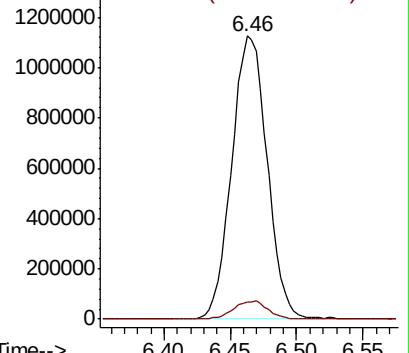
apatel

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.66 ppbv

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion: 130 Resp: 1278188

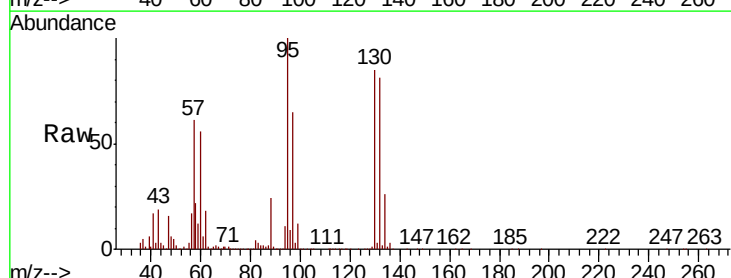
Ion Ratio Lower Upper

130 100

95 117.8 94.2 141.4

132 95.3 76.2 114.4

97 76.0 60.8 91.2

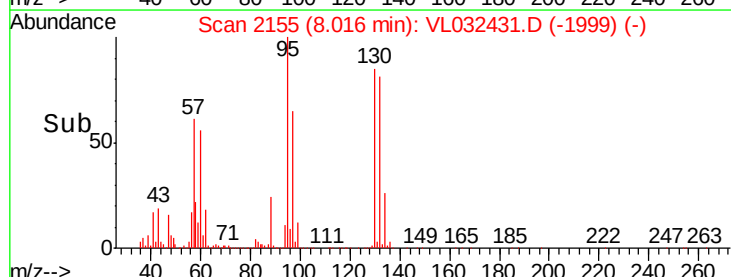
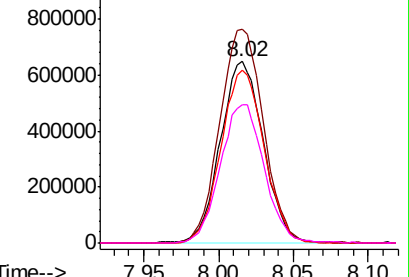


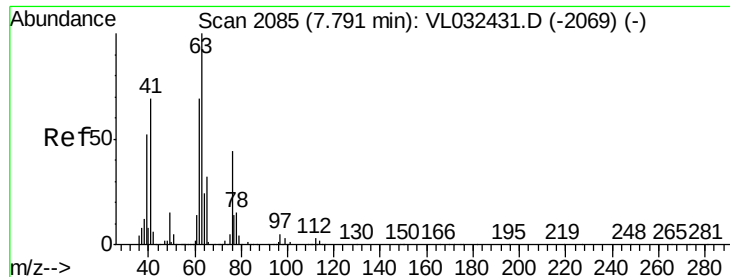
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.84 ppbv

RT: 7.79 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1483340

Ion Ratio Lower Upper

63 100

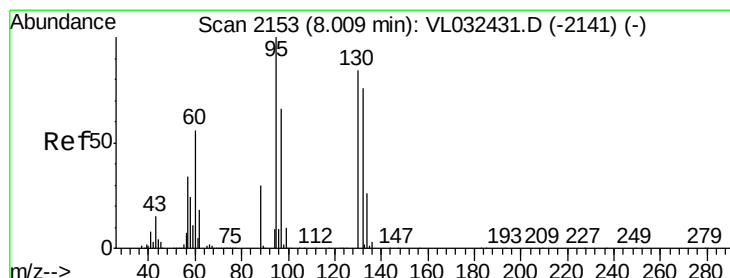
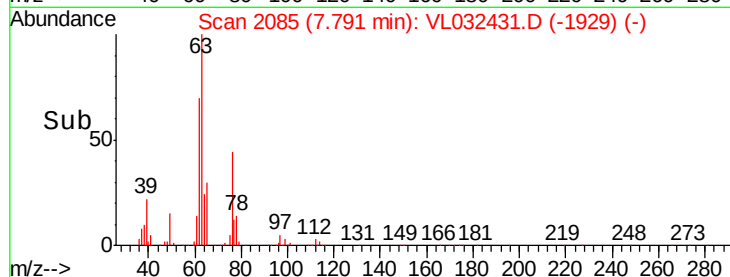
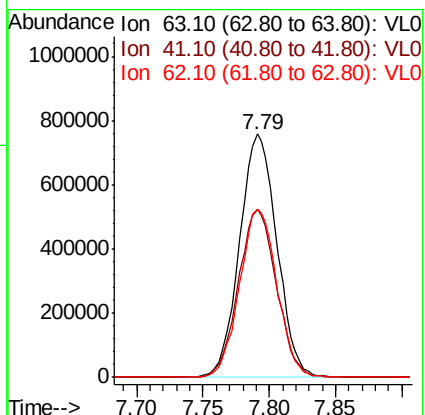
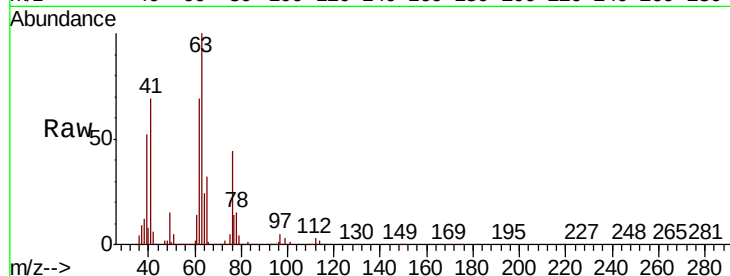
41 69.2 55.4 83.0

62 69.2 55.4 83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.77 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion: 88 Resp: 484390

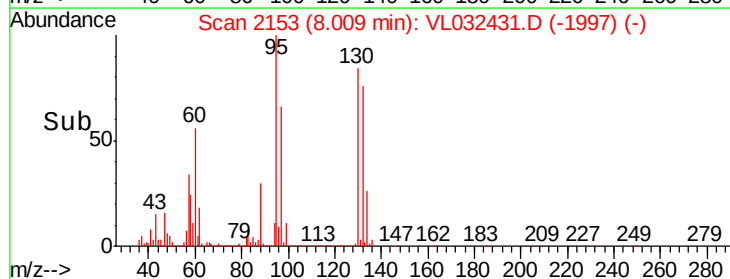
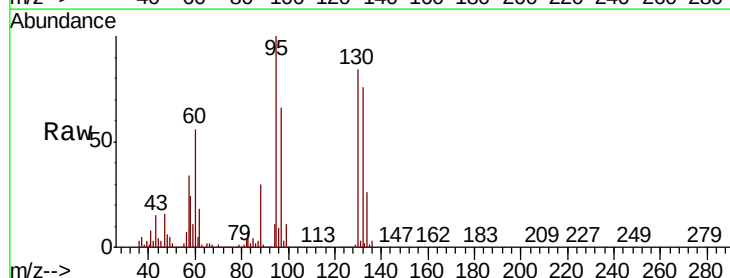
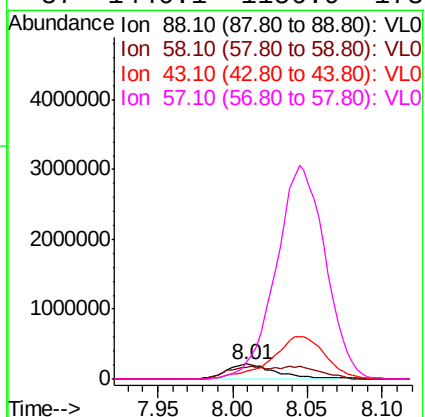
Ion Ratio Lower Upper

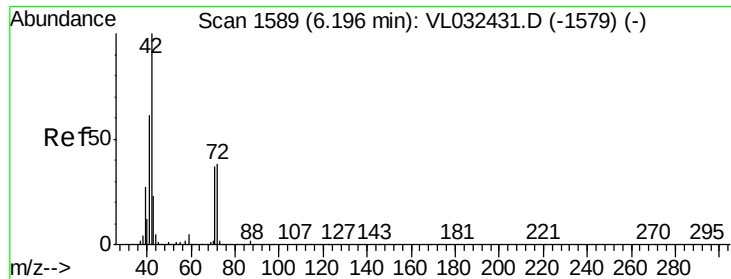
88 100

58 149.6 119.7 179.5

43 316.2 253.0 379.4

57 1446.1 1156.9 1735.3





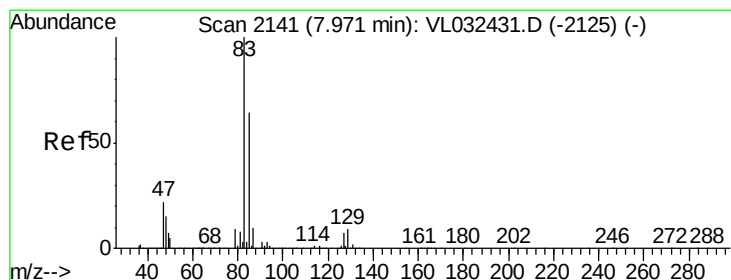
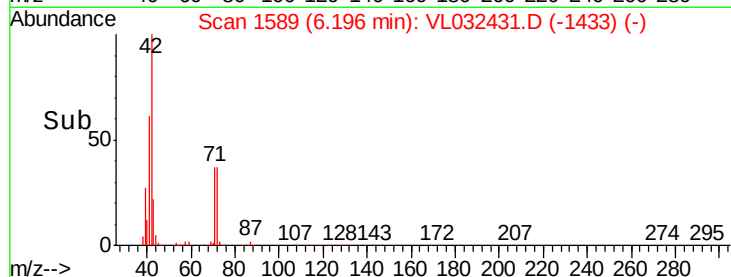
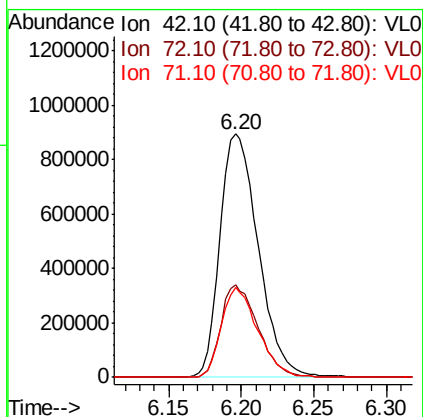
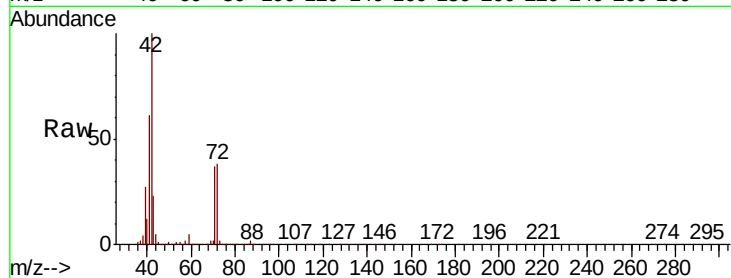
#41
Tetrahydrofuran
Concen: 11.06 ppbv
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.5	44.3
71	35.4	28.3	42.5

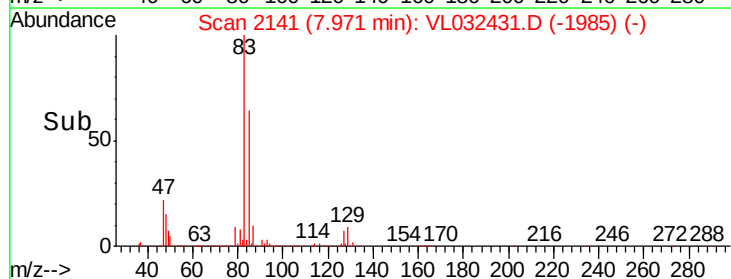
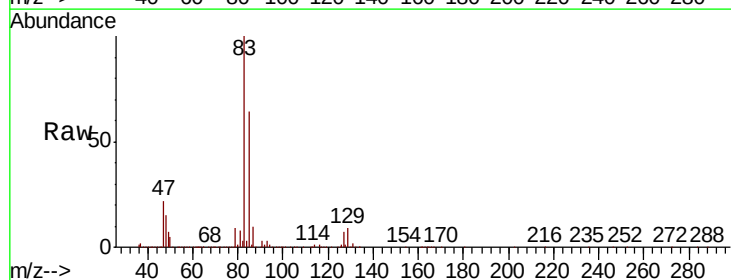
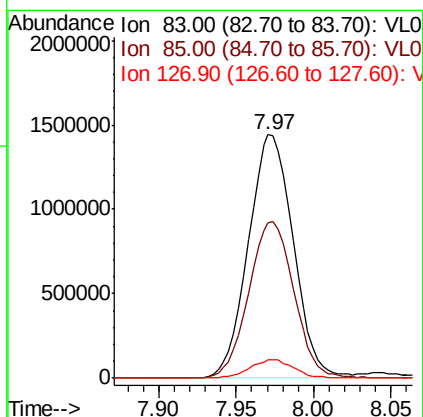
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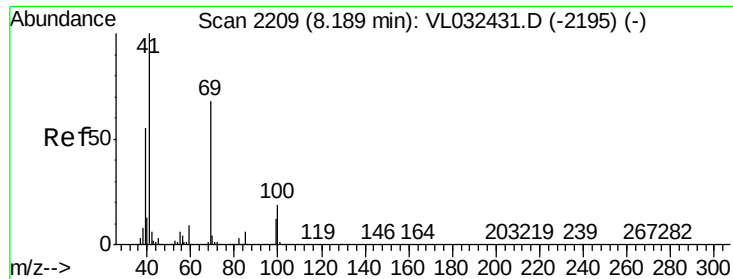
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#42
Bromodichloromethane
Concen: 9.56 ppbv
RT: 7.97 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.3	5.8	8.8





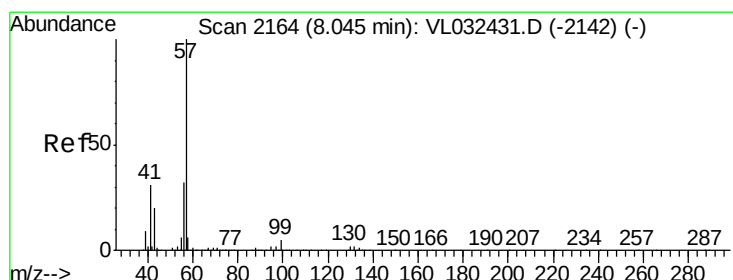
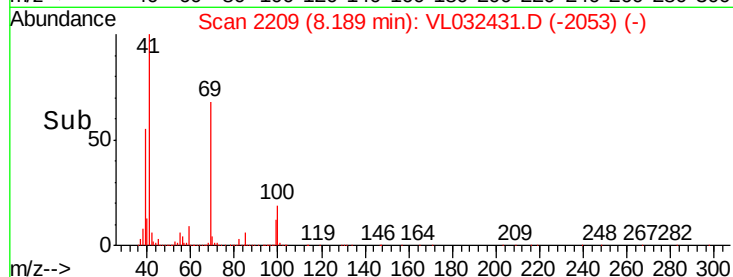
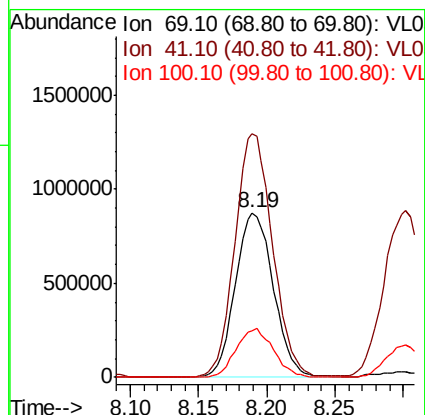
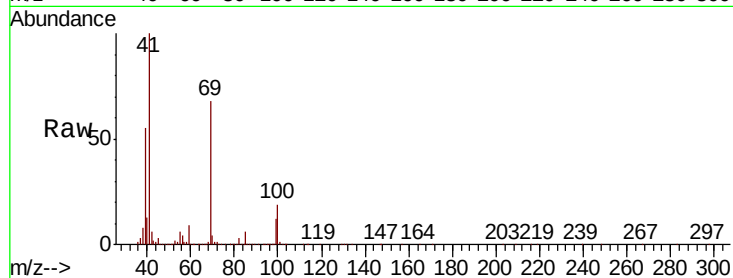
#43
Methyl Methacrylate
Concen: 11.45 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.4	117.2	175.8
100	29.3	23.4	35.2

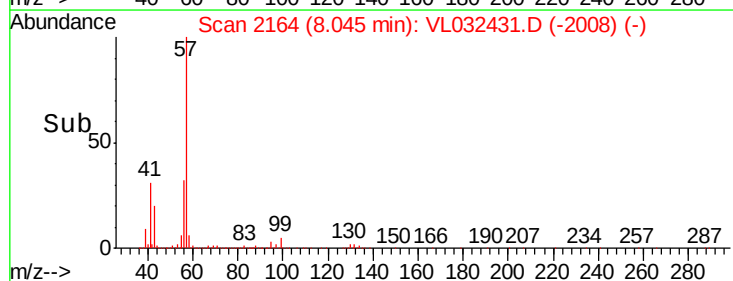
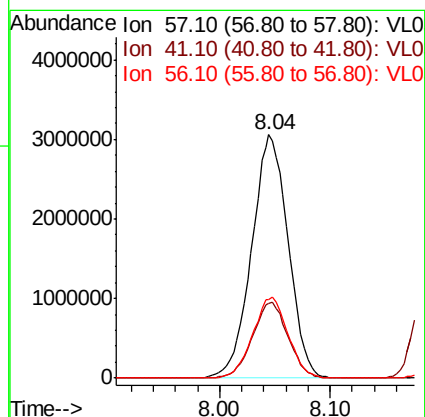
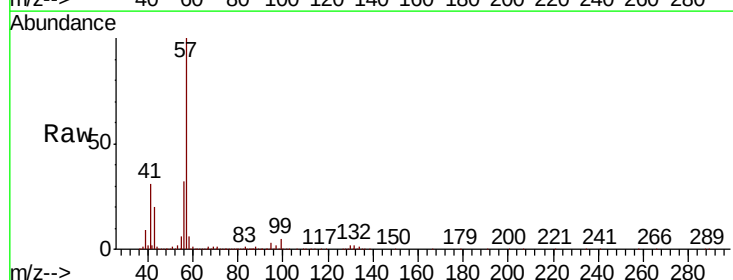
Manual Integrations
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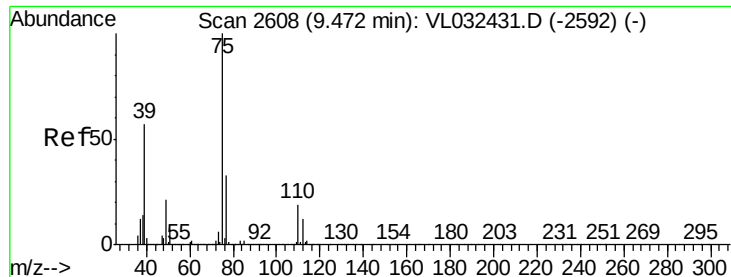
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#44
2,2,4-Trimethylpentane
Concen: 10.44 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.5	24.3	36.5
56	32.1	25.7	38.5





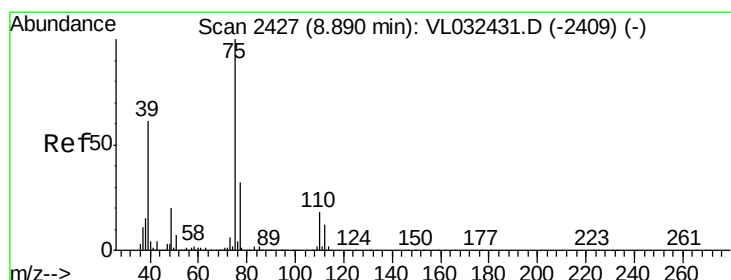
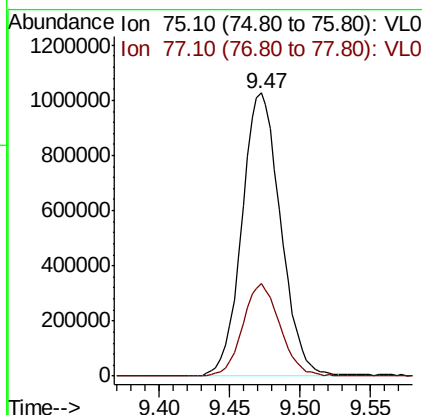
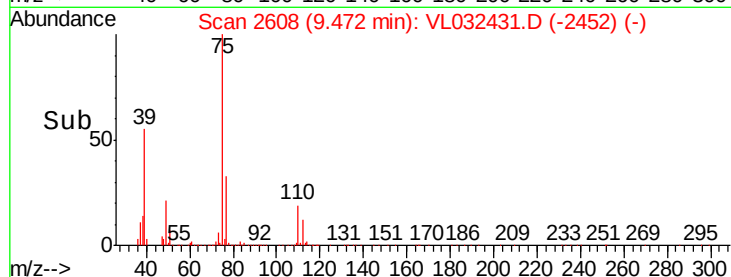
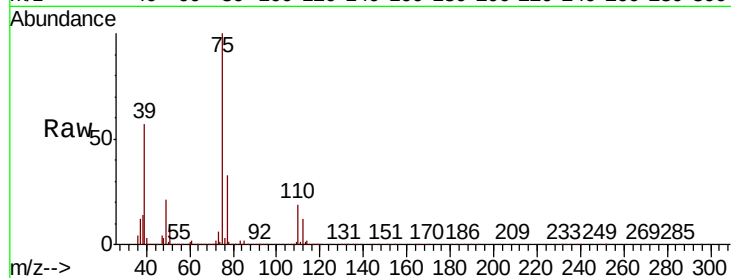
#45
t-1,3-Dichloropropene
Concen: 11.20 ppbv
RT: 9.47 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1967304
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2

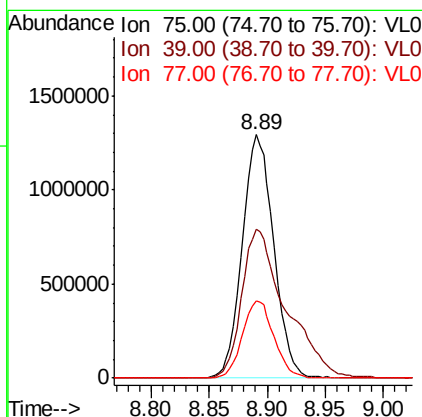
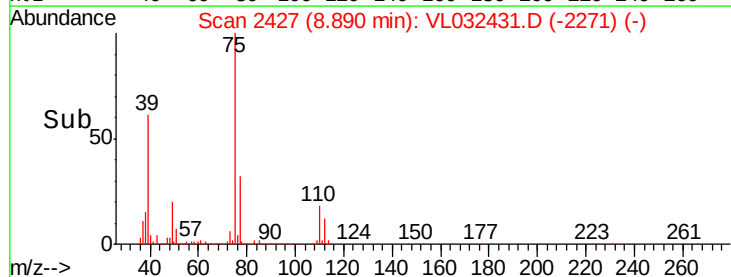
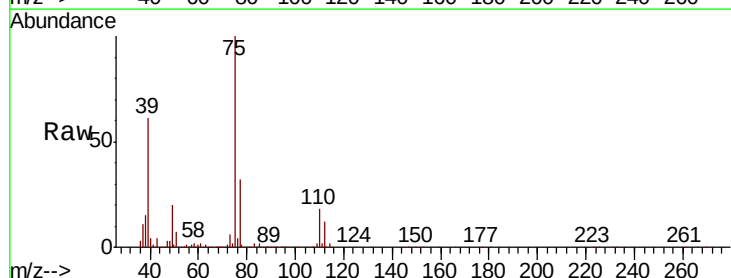
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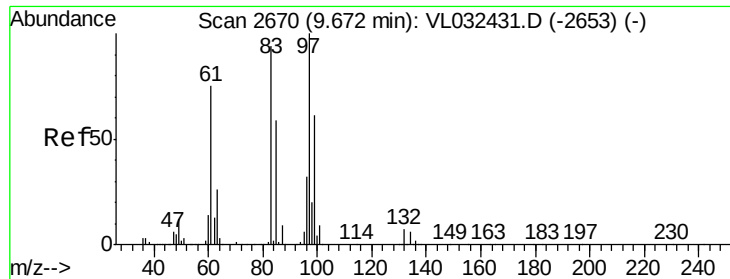
apatel
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#46
cis-1,3-Dichloropropene
Concen: 11.34 ppbv
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 75 Resp: 2438760
Ion Ratio Lower Upper
75 100
39 61.1 48.9 73.3
77 31.7 25.4 38.0





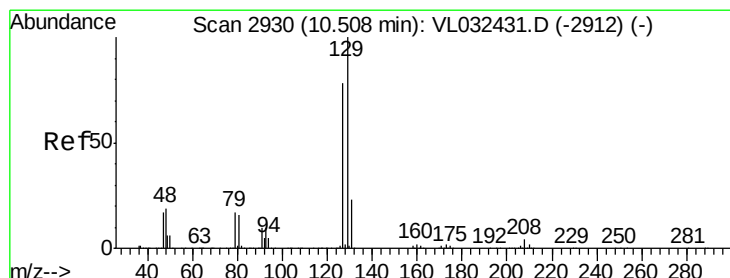
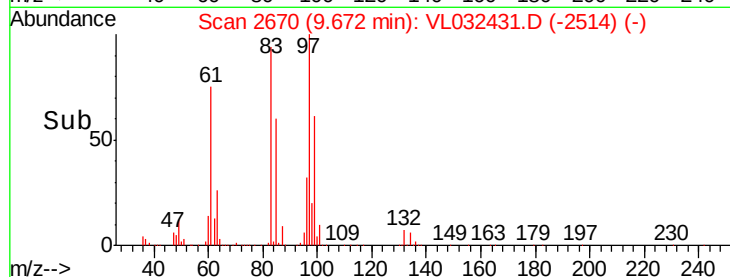
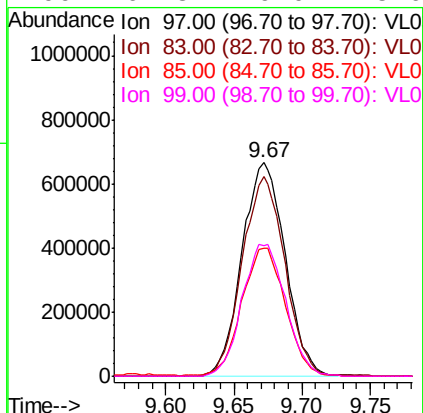
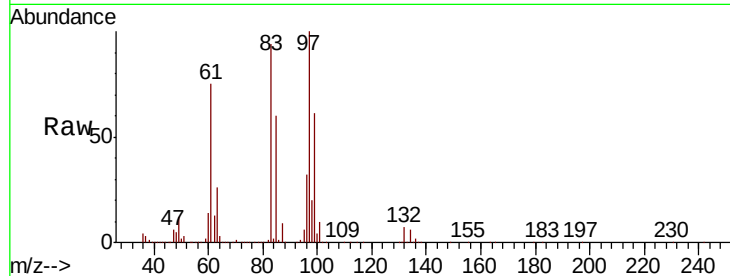
#47
 1,1,2-Trichloroethane
 Concen: 9.07 ppbv
 RT: 9.67 min Scan# 2670
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	93.7	75.0	112.4	
85	59.4	47.5	71.3	
99	61.3	49.0	73.6	

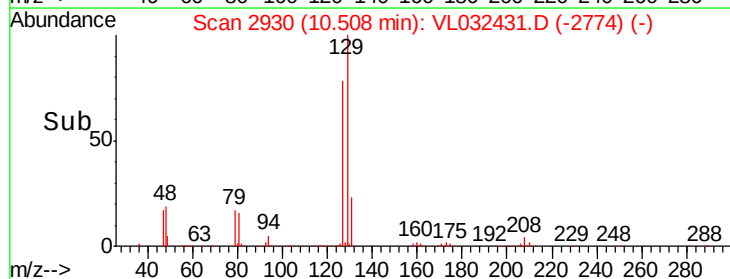
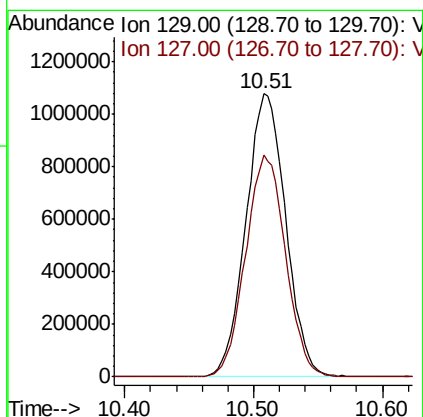
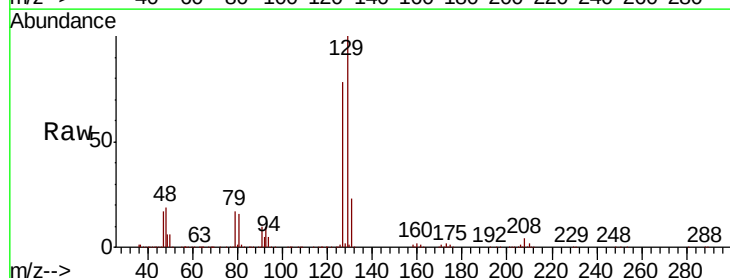
Manual Integrations
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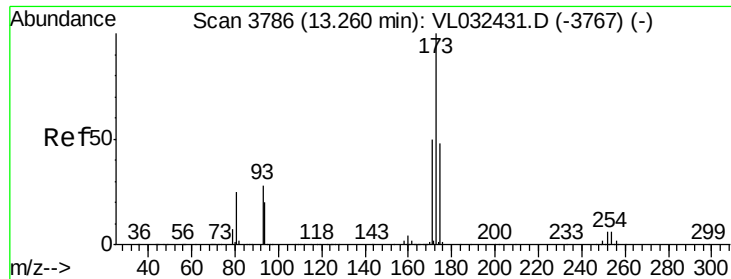
apatel
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#48
 Dibromochloromethane
 Concen: 10.17 ppbv
 RT: 10.51 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.5	118.3	





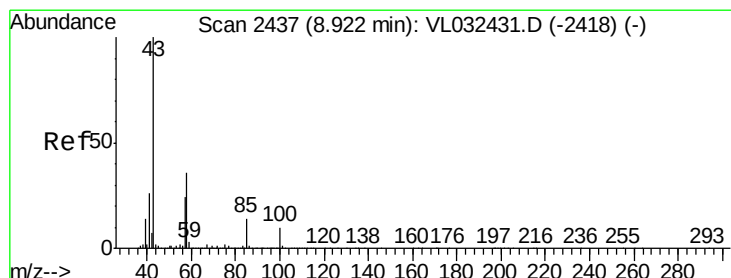
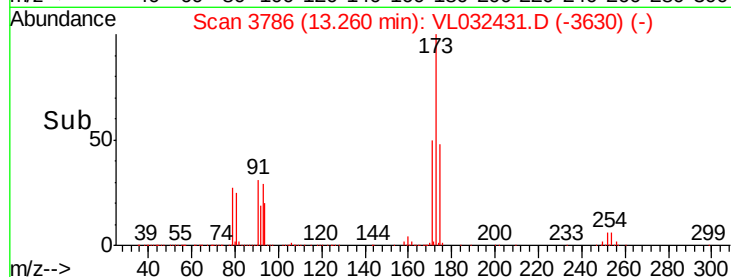
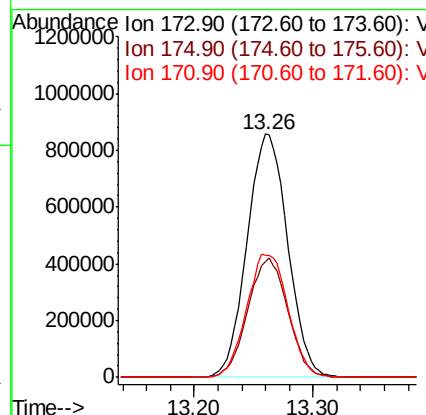
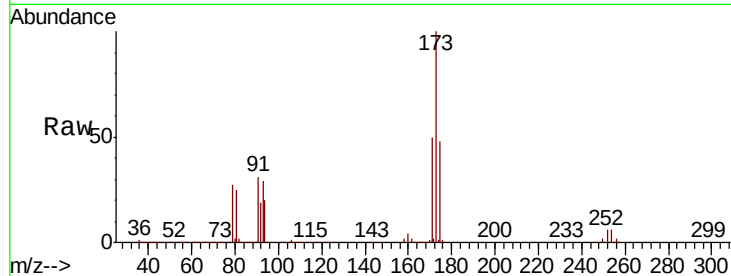
#49
Bromoform
Concen: 10.13 ppbv
RT: 13.26 min Scan# 3786
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.9	58.3
171	52.0	41.6	62.4

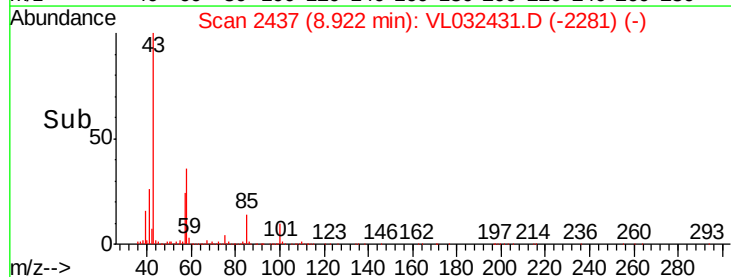
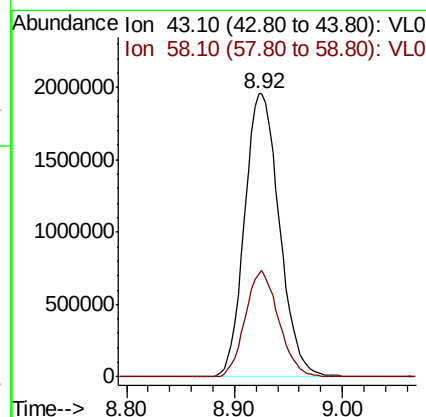
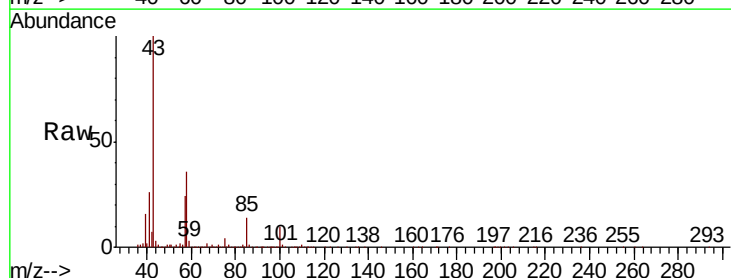
Manual Integrations
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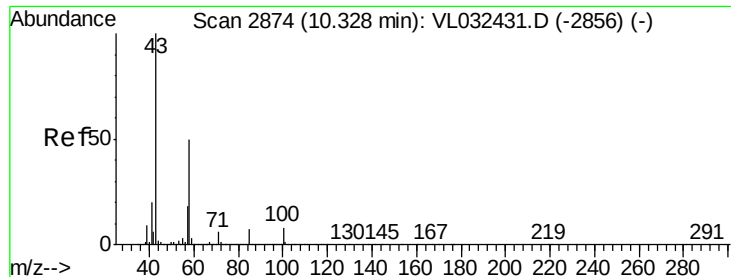
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#50
4-Methyl-2-Pentanone
Concen: 10.27 ppbv
RT: 8.92 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3





#51

2-Hexanone

Concen: 10.92 ppbv

RT: 10.33 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3086499

Ion Ratio Lower Upper

43 100

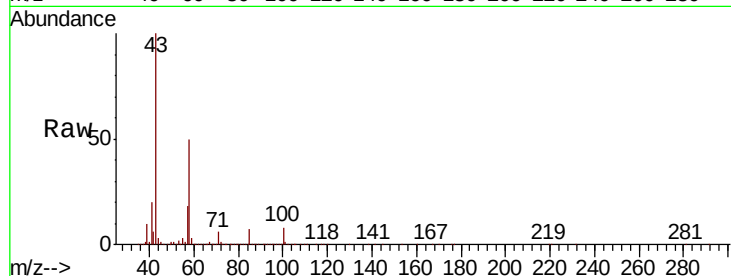
58 49.0 39.2 58.8

98 0.5 0.4 0.6

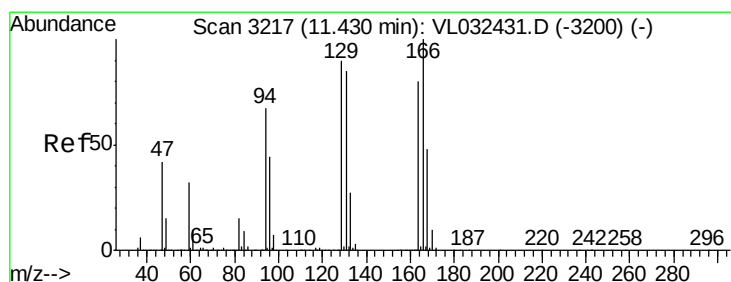
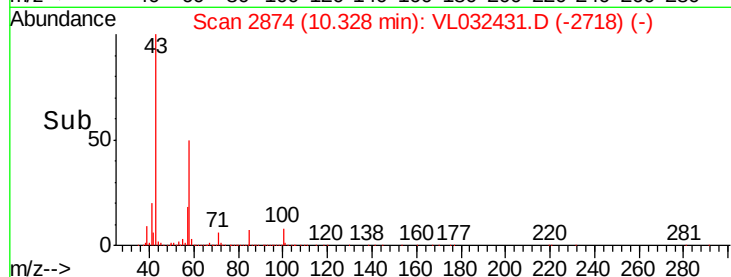
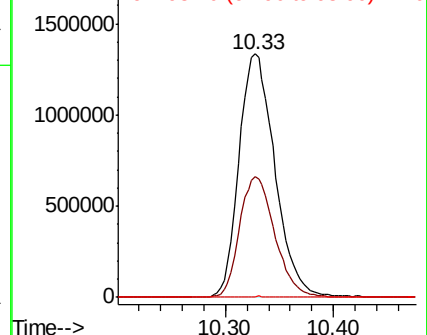
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.64 ppbv

RT: 11.43 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion: 164 Resp: 1096034

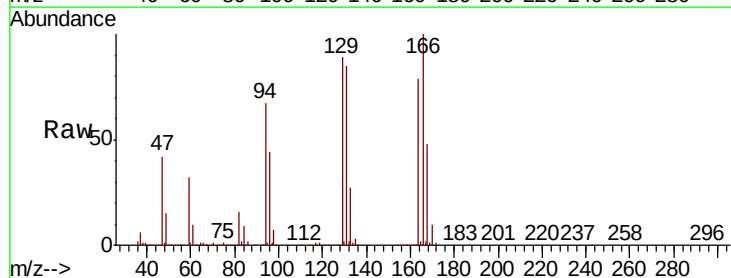
Ion Ratio Lower Upper

164 100

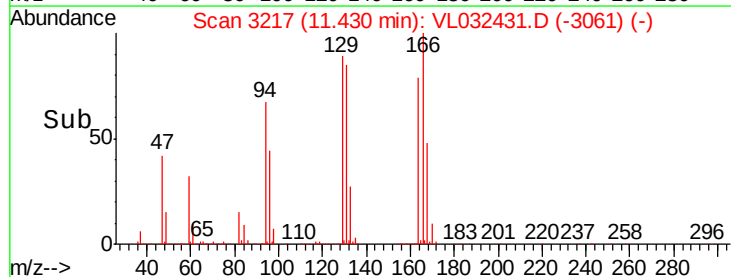
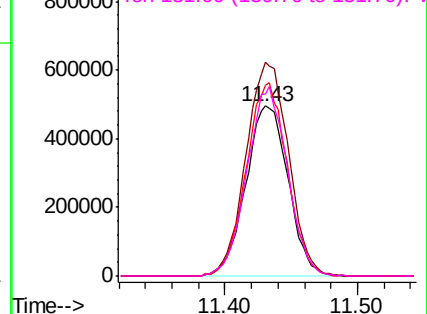
166 125.7 100.6 150.8

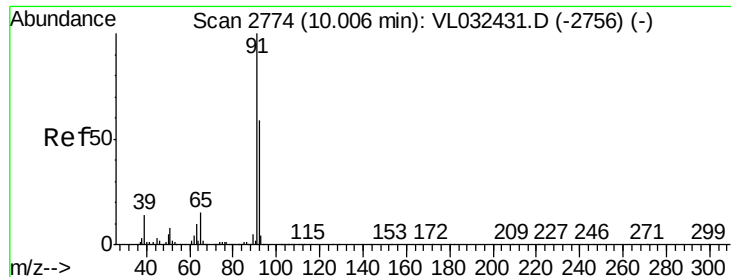
129 112.4 89.9 134.9

131 107.4 85.9 128.9



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





#53

Toluene

Concen: 10.51 ppbv

RT: 10.01 min Scan# 2774

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3952260

Ion Ratio Lower Upper

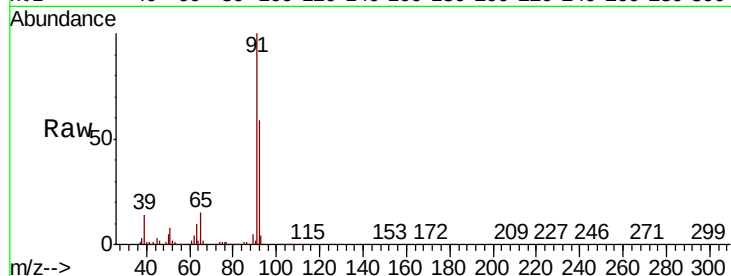
91 100

92 60.1 48.1 72.1

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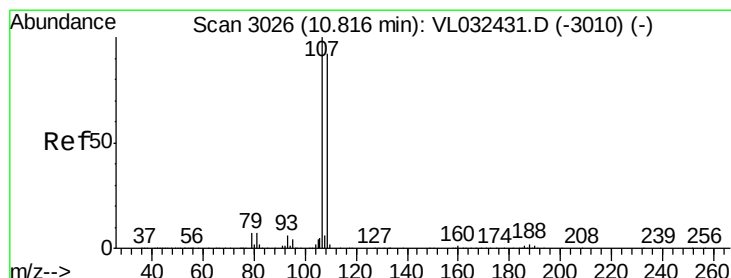
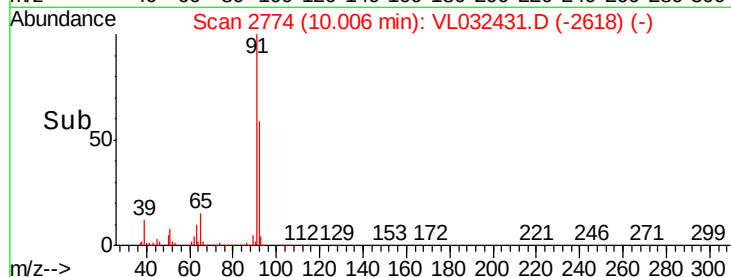
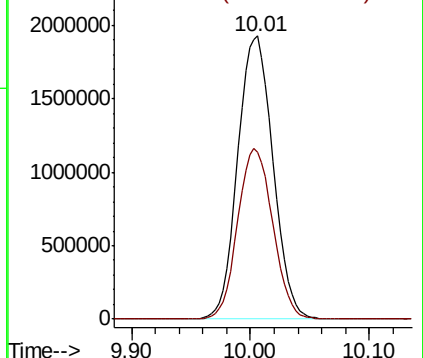
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.13 ppbv

RT: 10.82 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VL032431.D

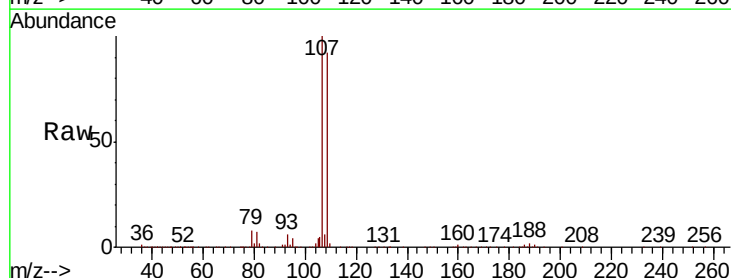
Acq: 31 Aug 2018 00:30

Tgt Ion: 107 Resp: 2363369

Ion Ratio Lower Upper

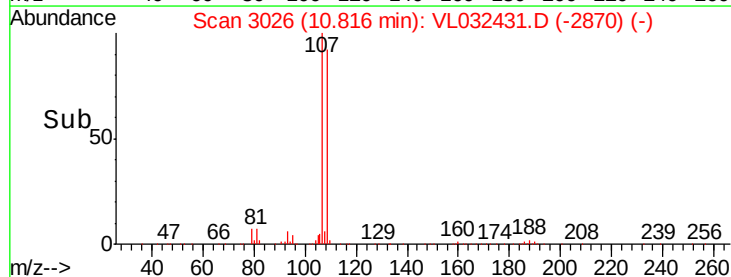
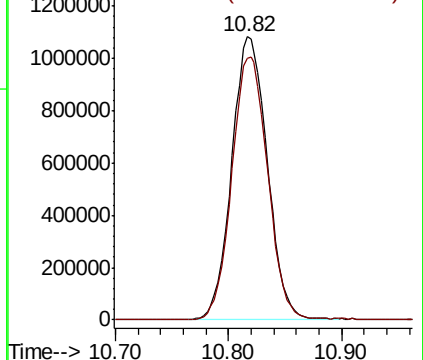
107 100

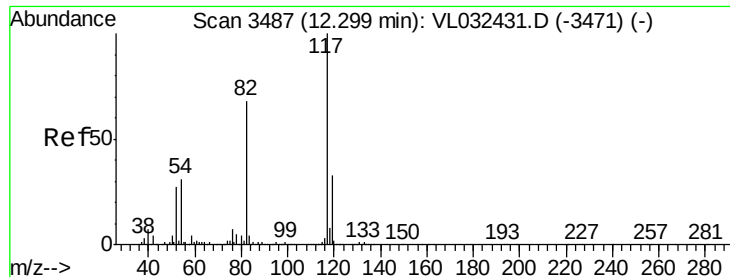
109 92.4 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





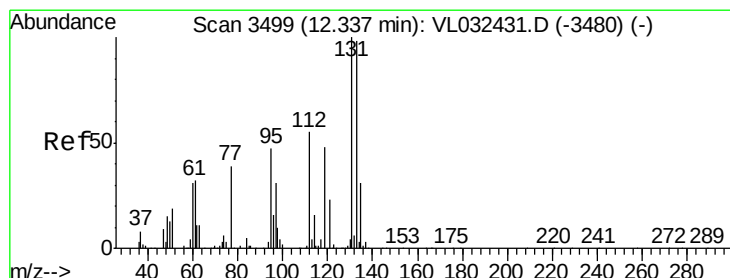
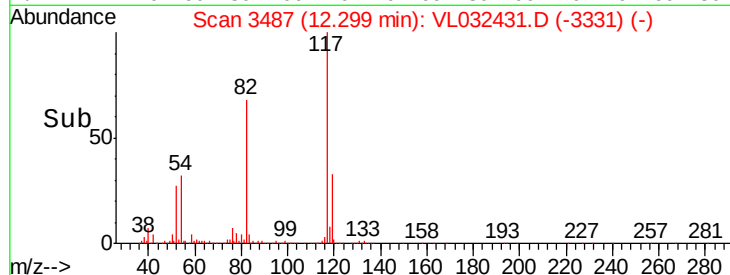
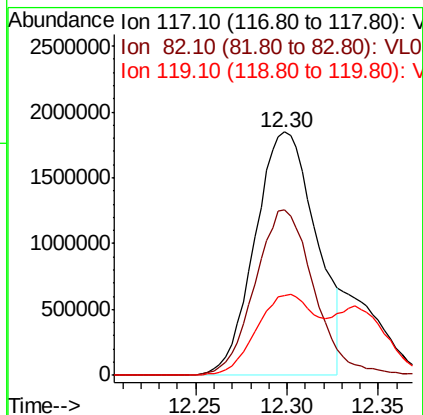
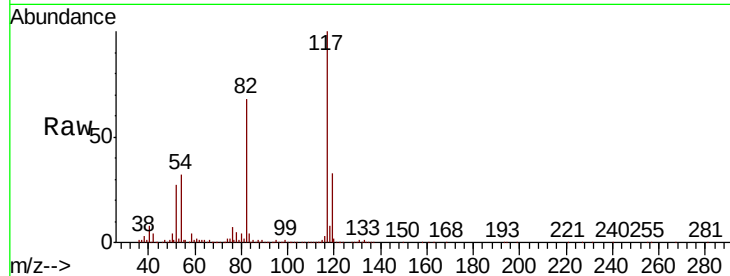
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.30 min Scan# 3487
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4299662
Ion Ratio Lower Upper
117 100
82 66.3 51.5 77.3
119 57.4 44.6 66.8

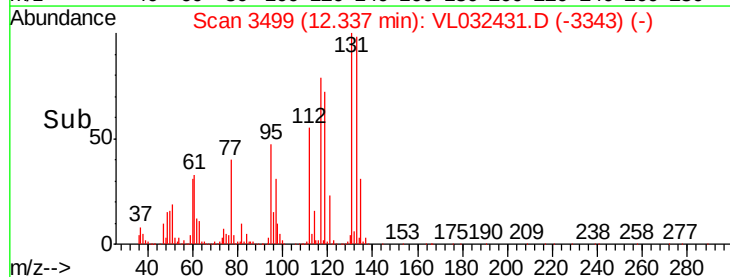
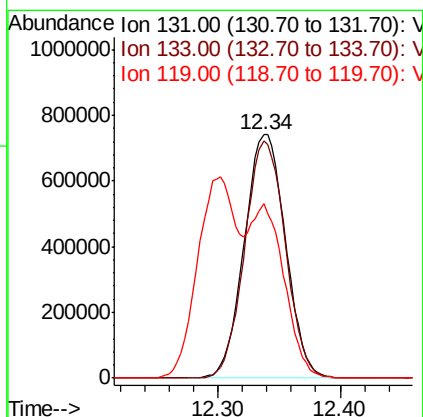
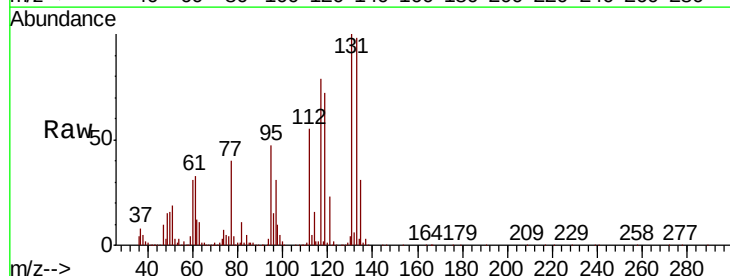
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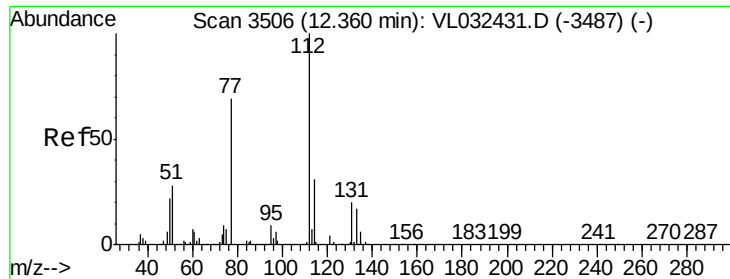
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.34 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion:131 Resp: 1727647
Ion Ratio Lower Upper
131 100
133 96.2 77.0 115.4
119 142.7 48.9 73.3#





#57

Chlorobenzene

Concen: 9.44 ppbv

RT: 12.36 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 3110855

Ion Ratio Lower Upper

112 100

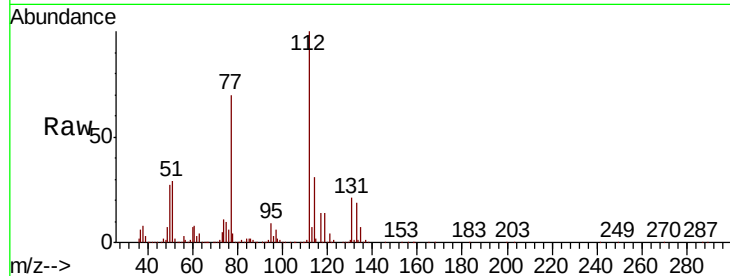
77 70.1 56.1 84.1

114 30.9 27.8 34.0

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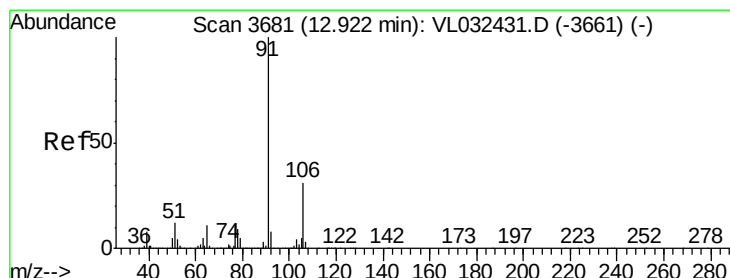
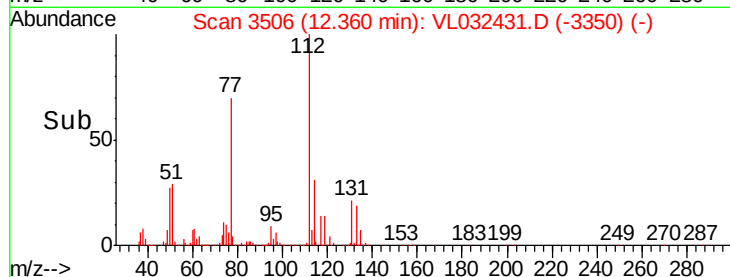
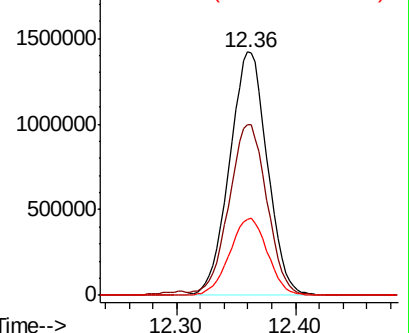
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.33 ppbv

RT: 12.92 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VL032431.D

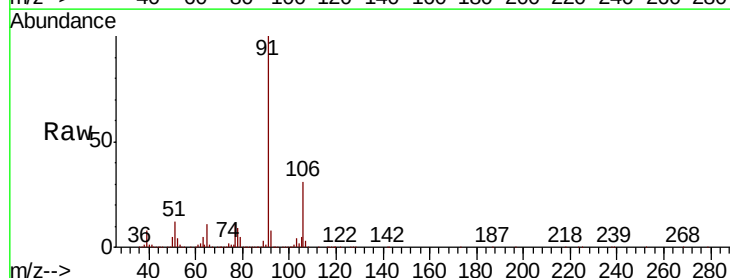
Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 5554253

Ion Ratio Lower Upper

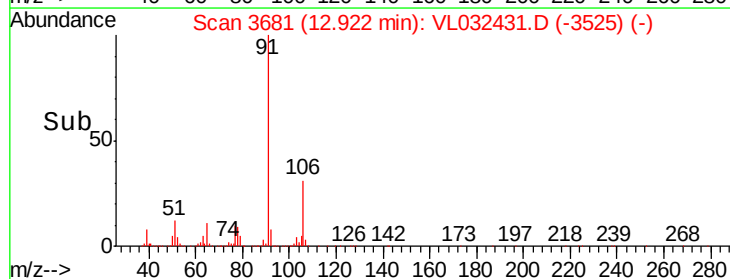
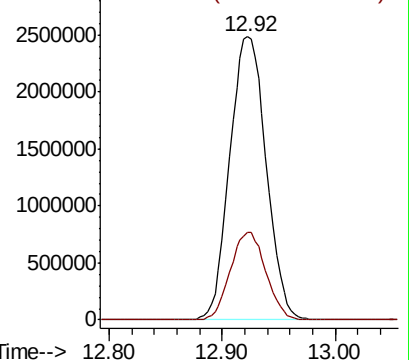
91 100

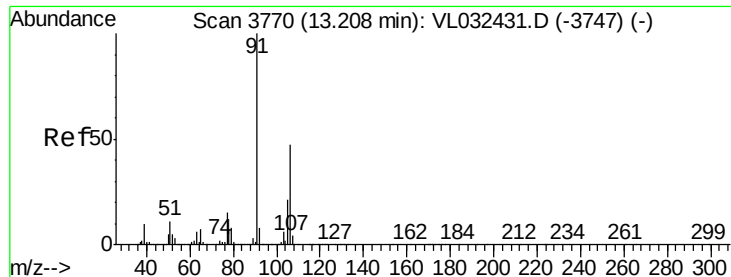
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





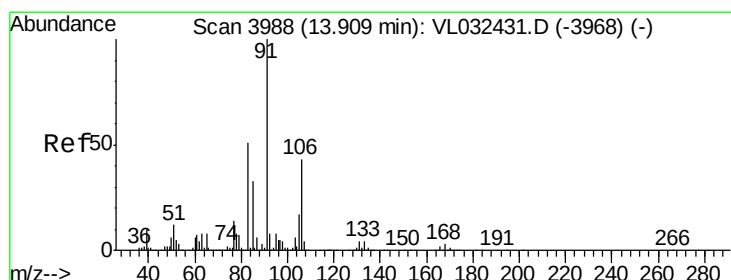
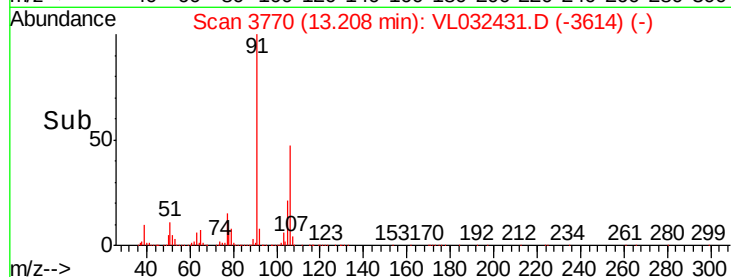
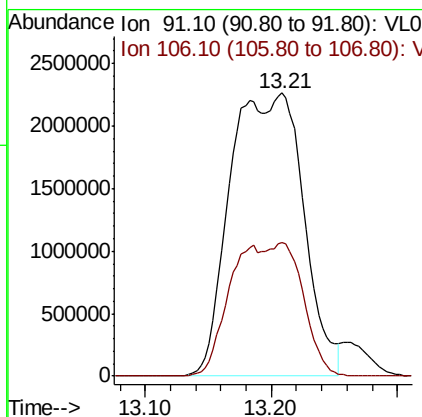
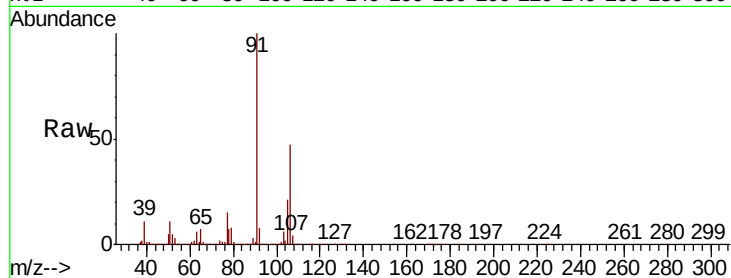
#59
m/p-Xylene
Concen: 20.91 ppbv m
RT: 13.21 min Scan# 3770
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 9134354
Ion Ratio Lower Upper
91 100
106 45.8 35.0 52.6

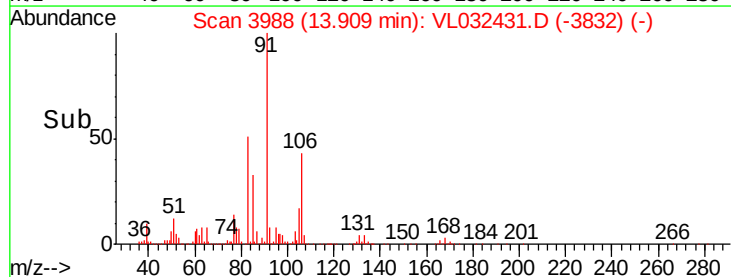
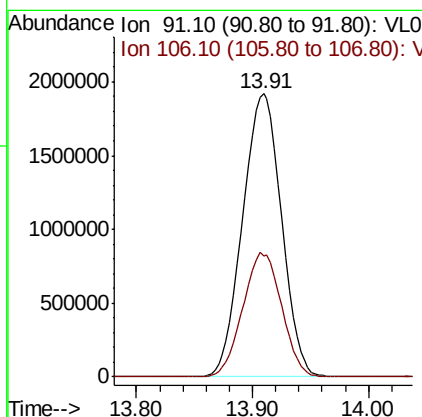
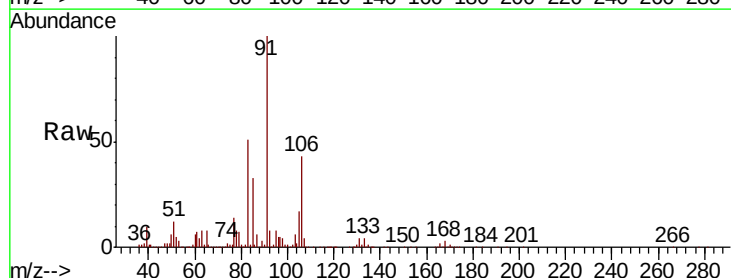
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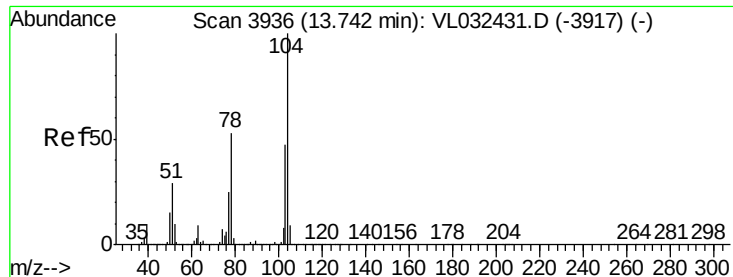
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#60
o-Xylene
Concen: 10.67 ppbv
RT: 13.91 min Scan# 3988
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Tgt Ion: 91 Resp: 4477346
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7





#61

Stvrene

Concen: 11.92 ppbv

RT: 13.74 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 3361621

Ion Ratio Lower Upper

104 100

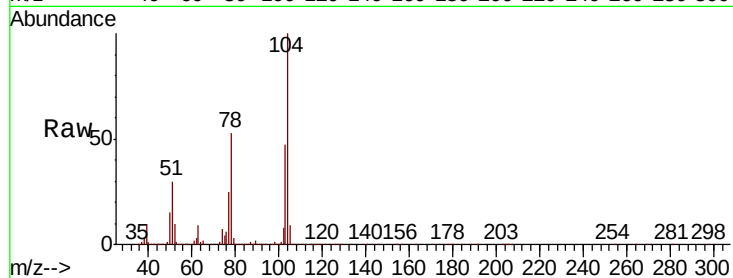
78 52.3 41.8 62.8

103 47.5 38.0 57.0

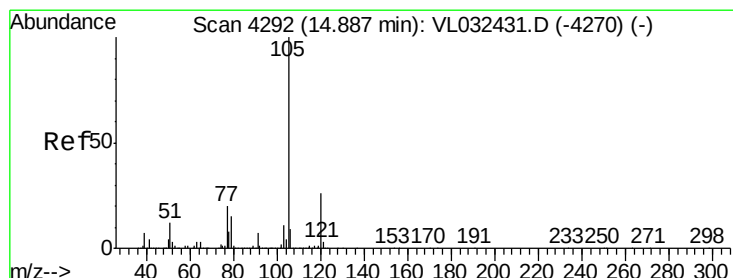
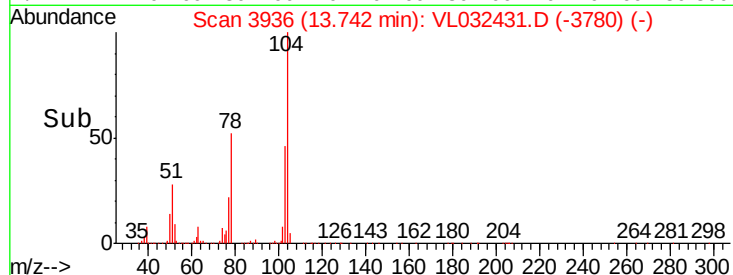
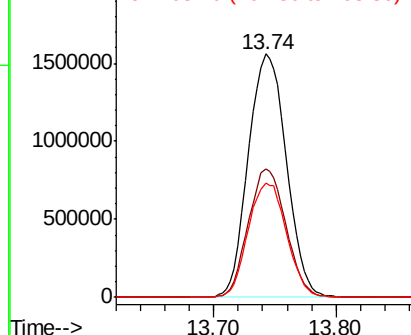
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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.53 ppbv

RT: 14.89 min Scan# 4292

Delta R.T. 0.00 min

Lab File: VL032431.D

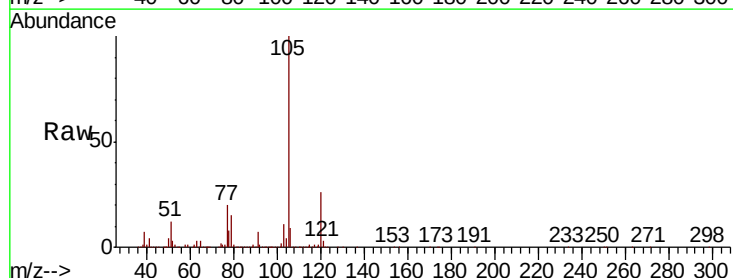
Acq: 31 Aug 2018 00:30

Tgt Ion:105 Resp: 6257668

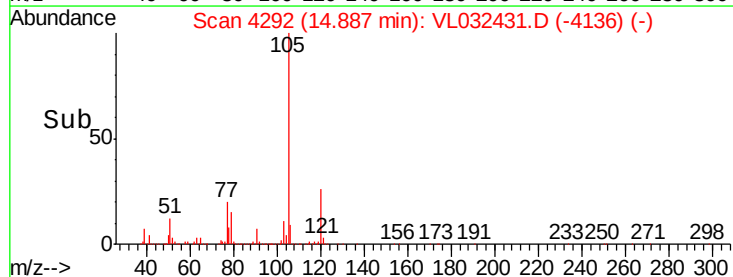
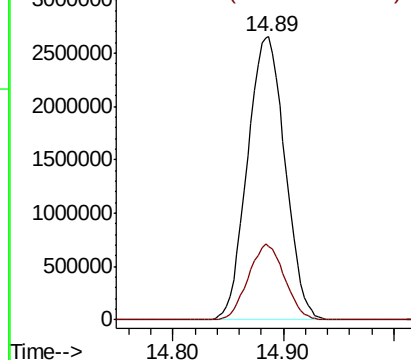
Ion Ratio Lower Upper

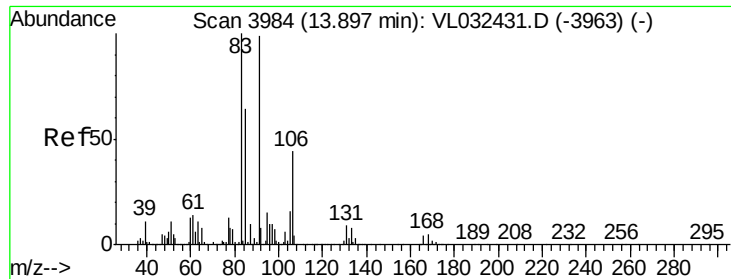
105 100

120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.47 ppbv

RT: 13.90 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3472951

Ion Ratio Lower Upper

83 100

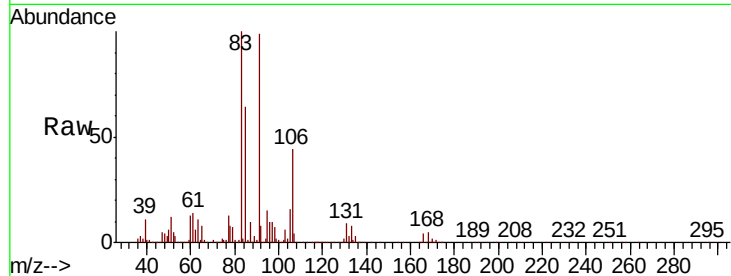
131 8.5 4.3 12.8

85 64.5 32.3 96.8

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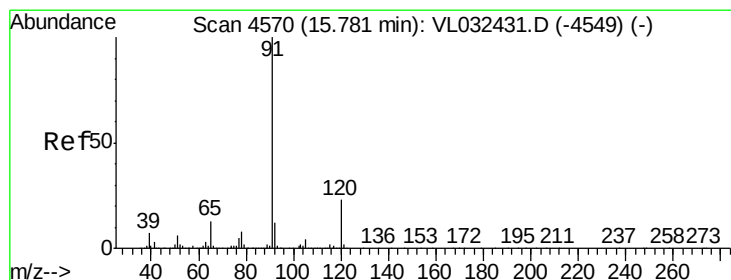
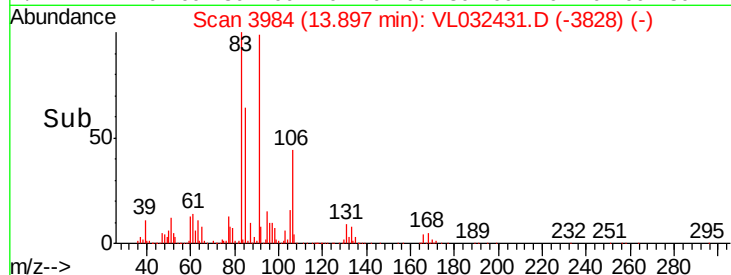
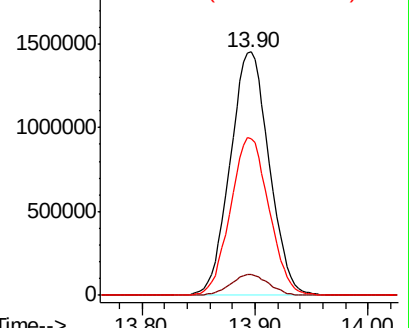
9/4/2018 8:25:21 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.72 ppbv

RT: 15.78 min Scan# 4570

Delta R.T. 0.00 min

Lab File: VL032431.D

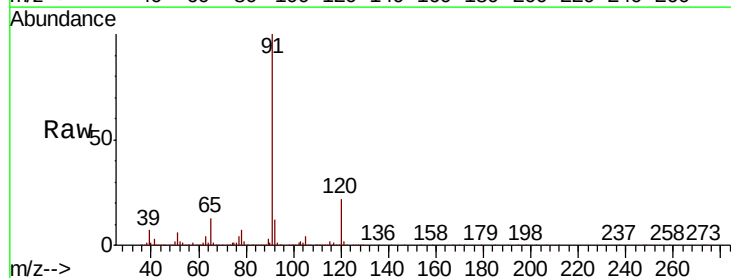
Acq: 31 Aug 2018 00:30

Tgt Ion: 120 Resp: 1664357

Ion Ratio Lower Upper

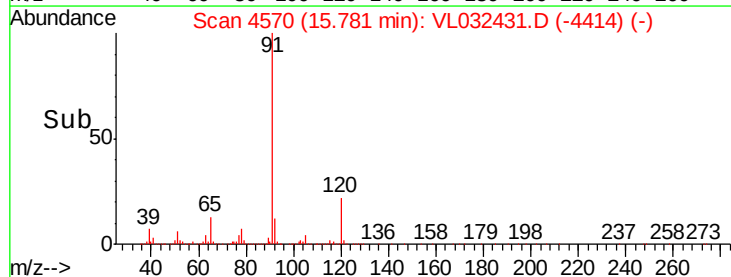
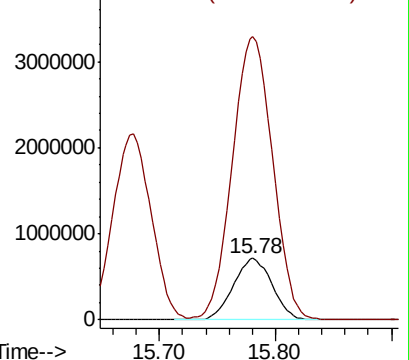
120 100

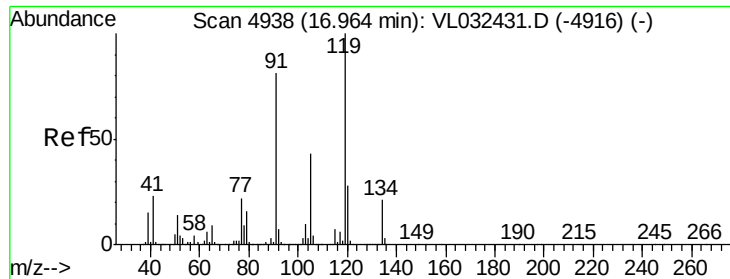
91 477.2 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





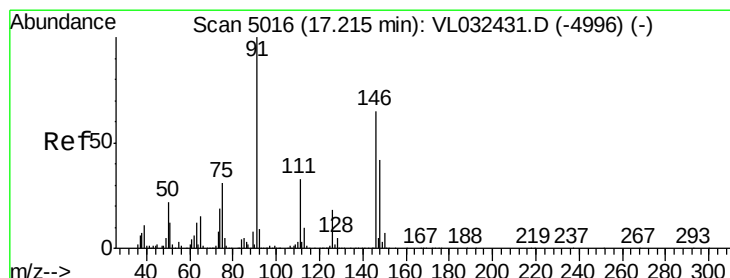
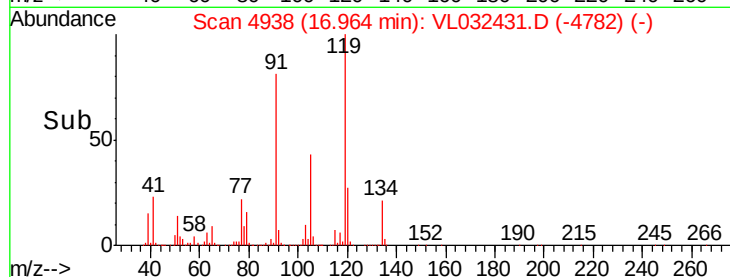
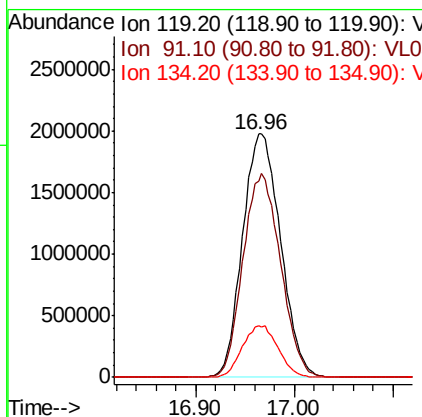
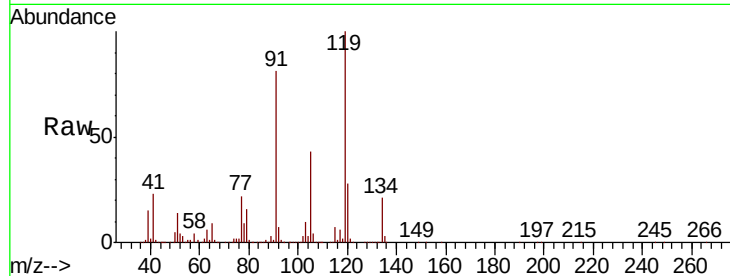
#65
tert-Butylbenzene
Concen: 10.28 ppbv
RT: 16.96 min Scan# 4938
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.5	99.7
134	20.0	16.0	24.0

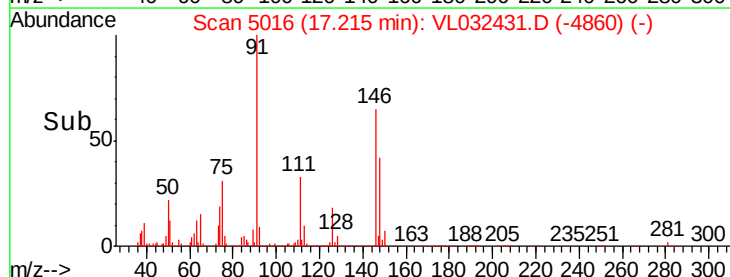
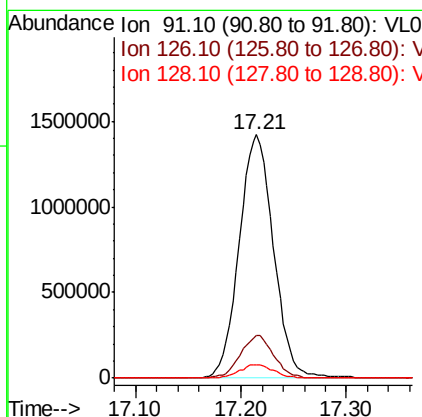
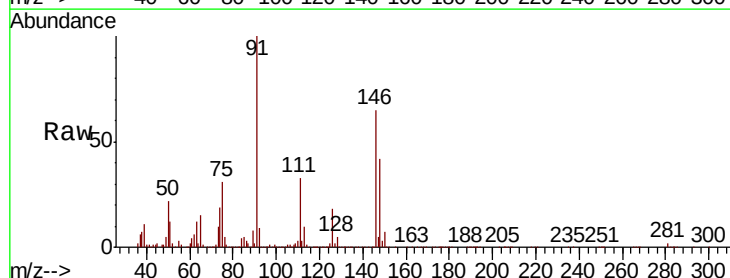
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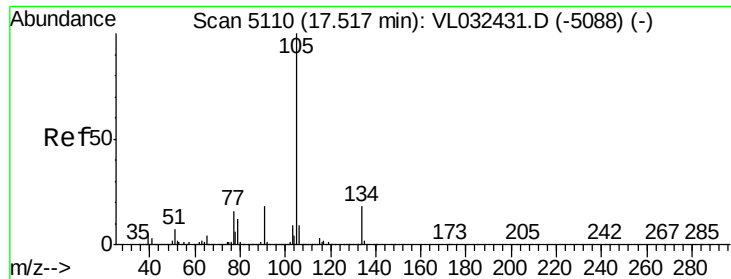
apatel
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#66
Benzyl Chloride
Concen: 10.14 ppbv
RT: 17.21 min Scan# 5016
Delta R.T. 0.00 min
Lab File: VL032431.D
Acq: 31 Aug 2018 00:30

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





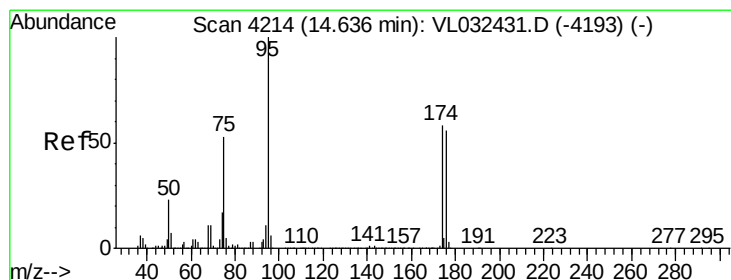
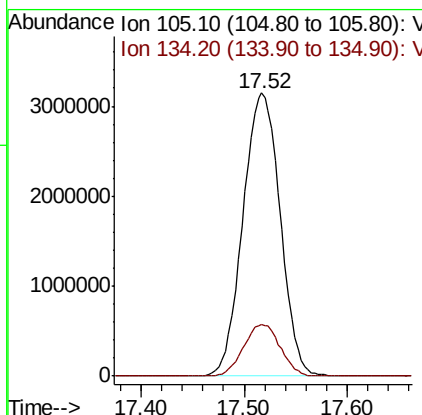
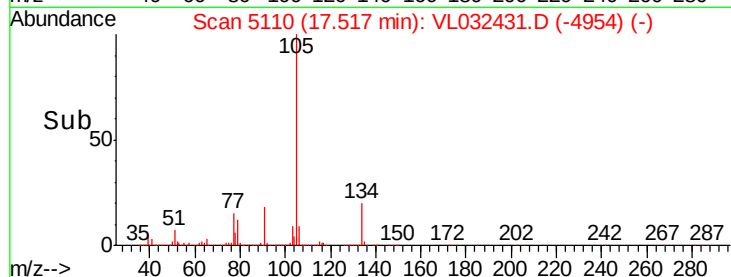
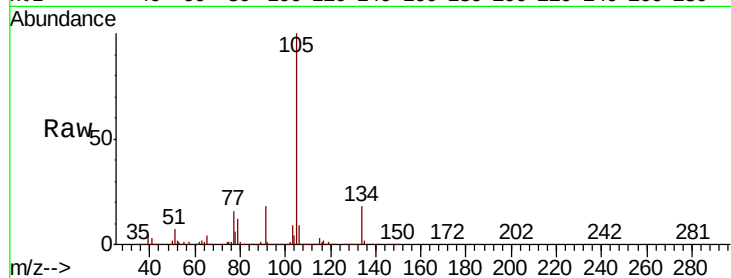
#67
 sec-Butylbenzene
 Concen: 10.39 ppbv
 RT: 17.52 min Scan# 5110
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 7883944
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6

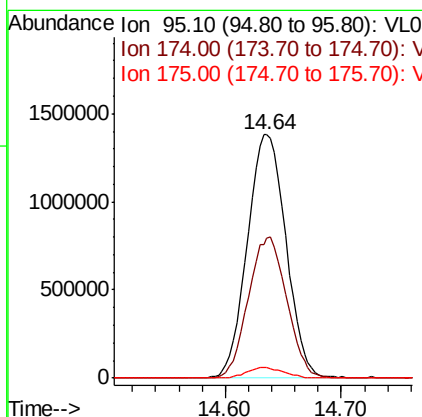
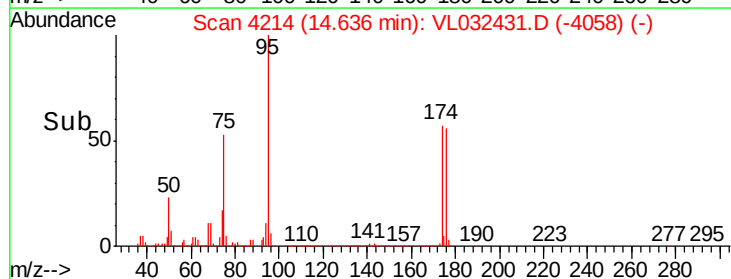
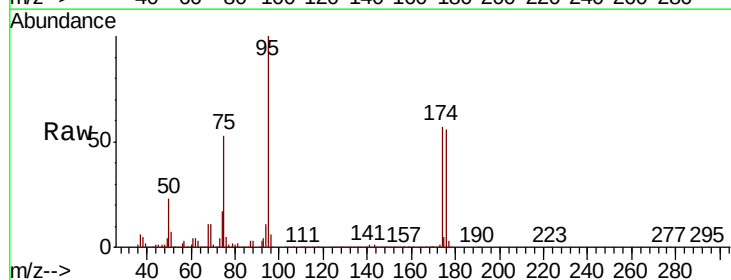
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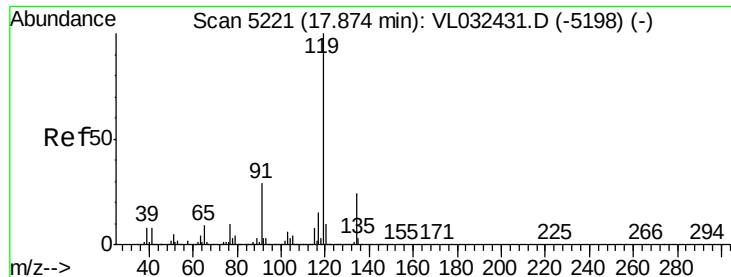
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.00 ppbv
 RT: 14.64 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 95 Resp: 3203474
 Ion Ratio Lower Upper
 95 100
 174 57.9 46.3 69.5
 175 4.2 3.4 5.0





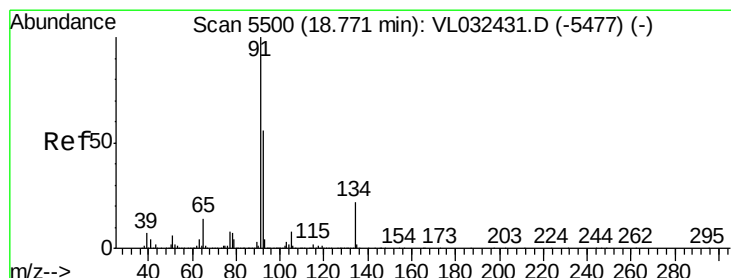
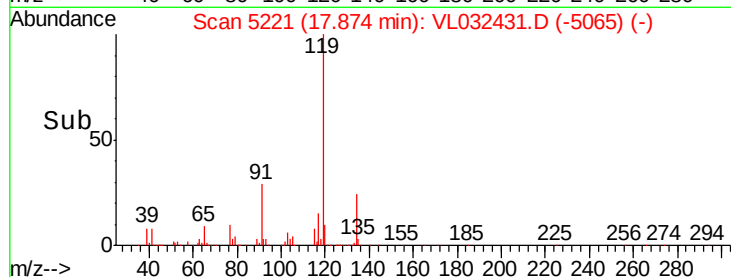
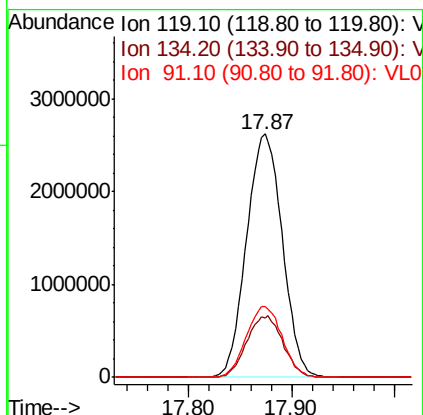
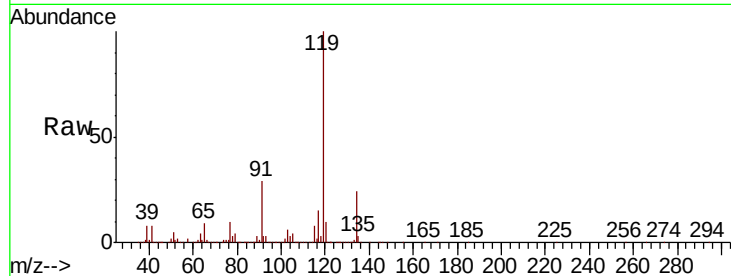
#69
 p-Isopropyltoluene
 Concen: 10.84 ppbv
 RT: 17.87 min Scan# 5221
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	29.3	23.4	35.0

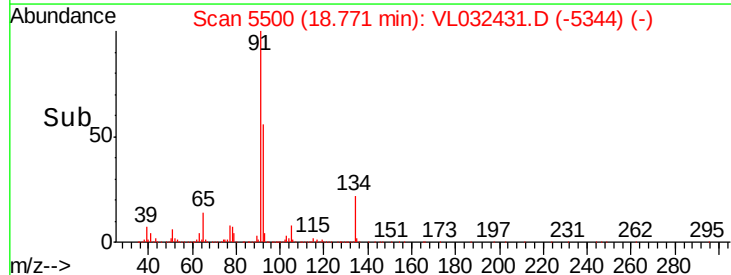
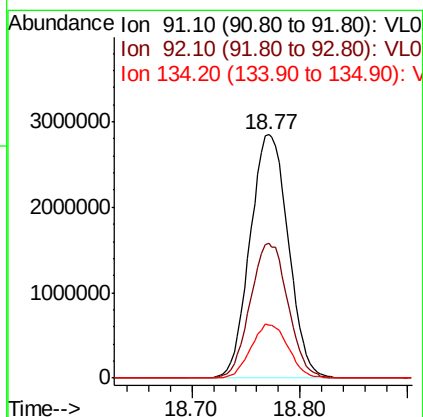
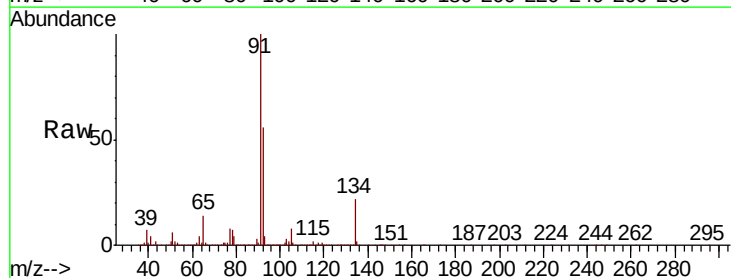
Manual Integrations
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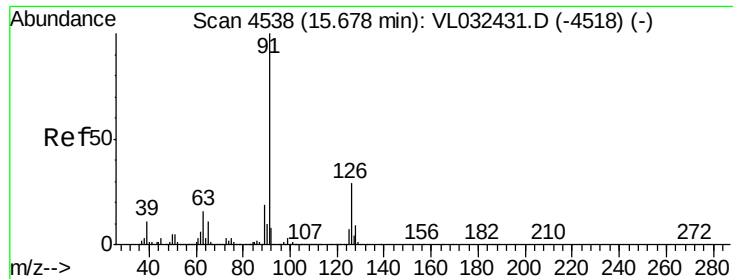
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#70
 n-Butylbenzene
 Concen: 10.84 ppbv
 RT: 18.77 min Scan# 5500
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.8	65.8
134	21.7	17.4	26.0





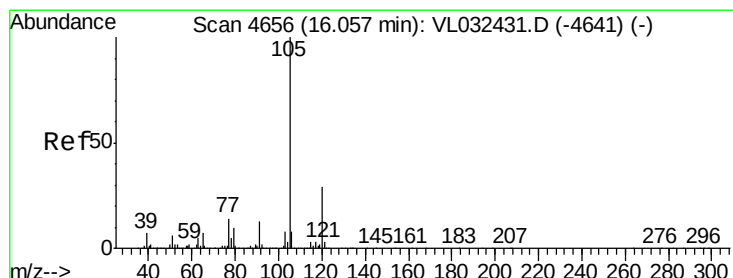
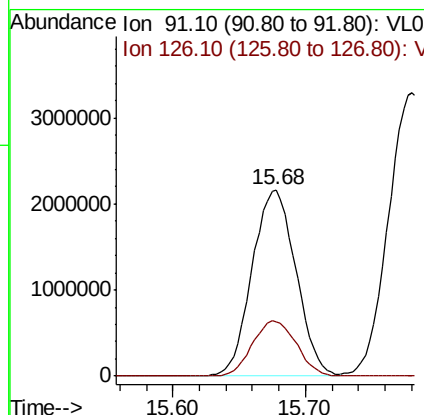
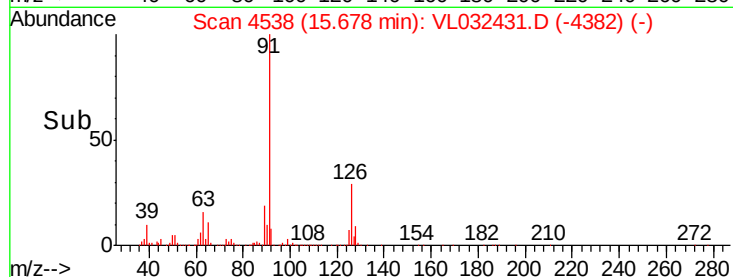
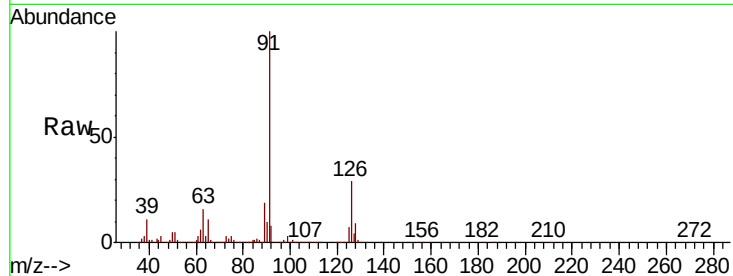
#71
 2-Chlorotoluene
 Concen: 10.97 ppbv
 RT: 15.68 min Scan# 4538
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 4982616
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.7

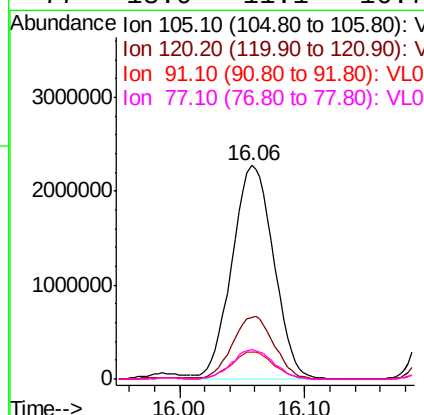
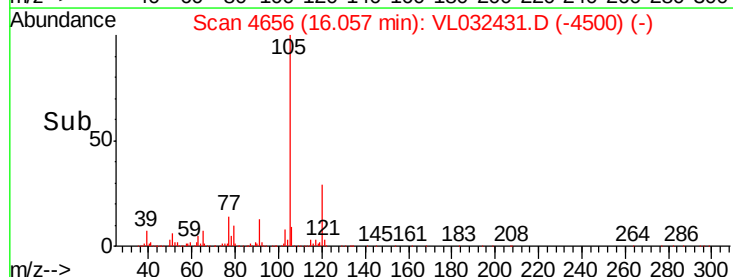
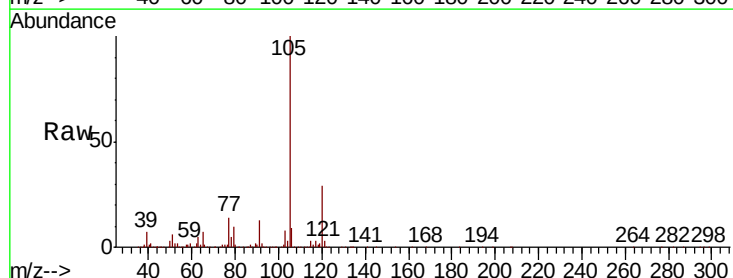
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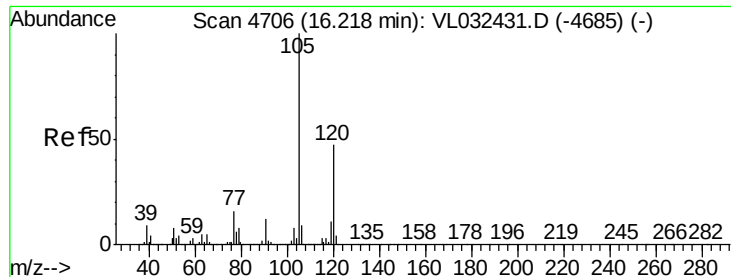
apatel
 9/4/2018 8:25:21 AM



#72
 4-Ethyltoluene
 Concen: 11.47 ppbv
 RT: 16.06 min Scan# 4656
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion: 105 Resp: 5243679
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.5 35.3
 91 12.7 10.2 15.2
 77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.38 ppbv

RT: 16.22 min Scan# 4706

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4969081

Ion Ratio Lower Upper

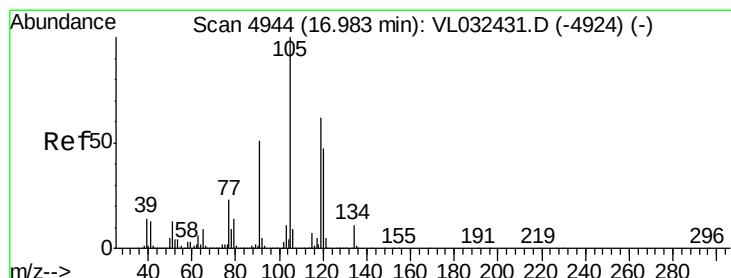
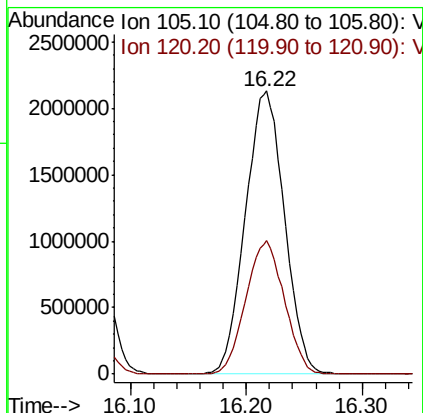
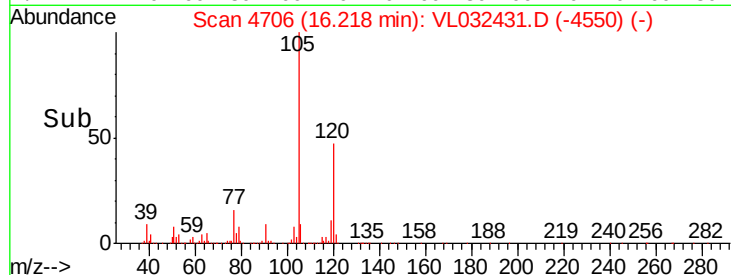
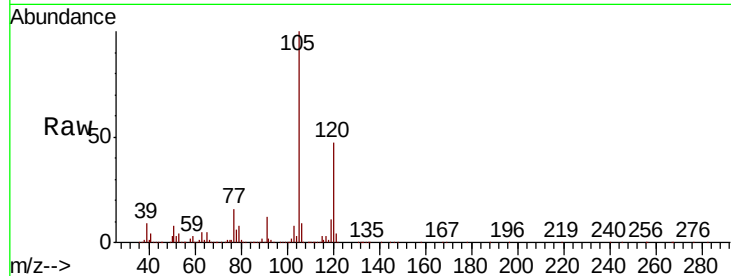
105 100

120 47.4 37.9 56.9

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 10.54 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Tgt Ion:105 Resp: 4969798

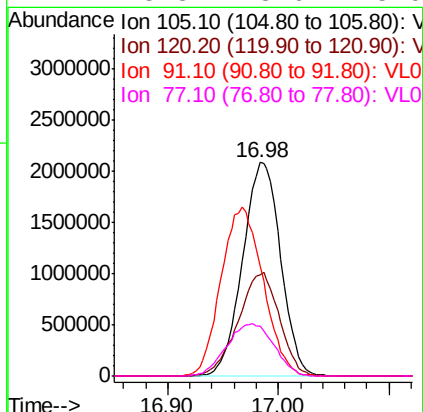
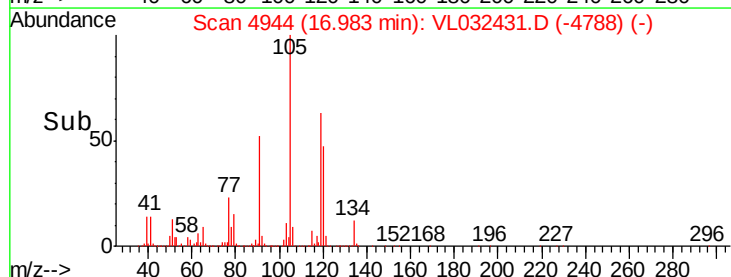
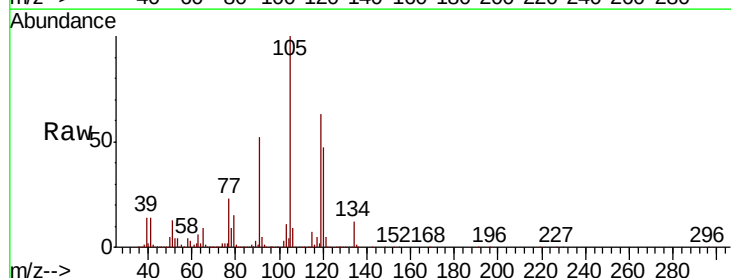
Ion Ratio Lower Upper

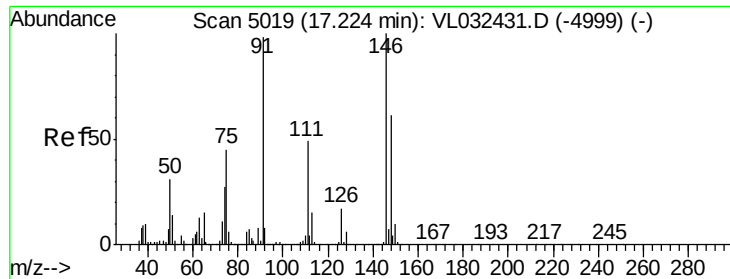
105 100

120 47.3 37.8 56.8

91 51.7 41.4 62.0

77 23.3 18.6 28.0





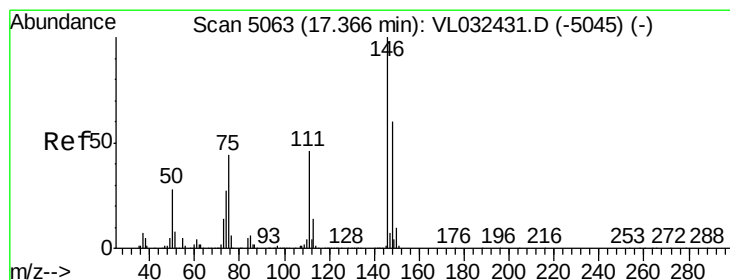
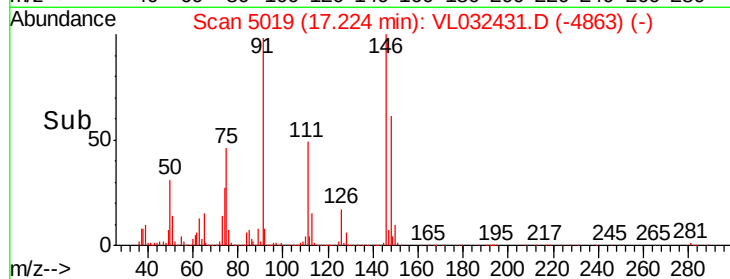
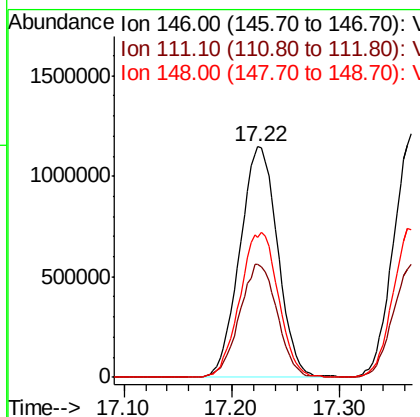
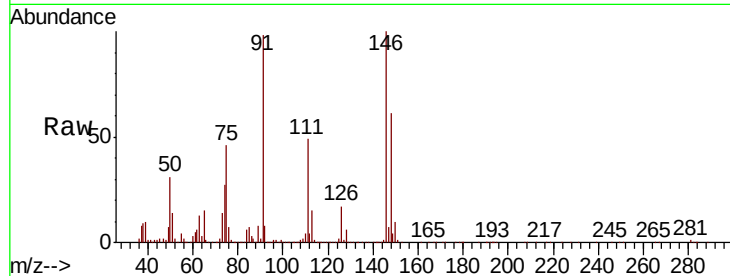
#75
 1,3-Dichlorobenzene
 Concen: 9.31 ppbv
 RT: 17.22 min Scan# 5019
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.6	73.6
148	64.1	32.0	96.2

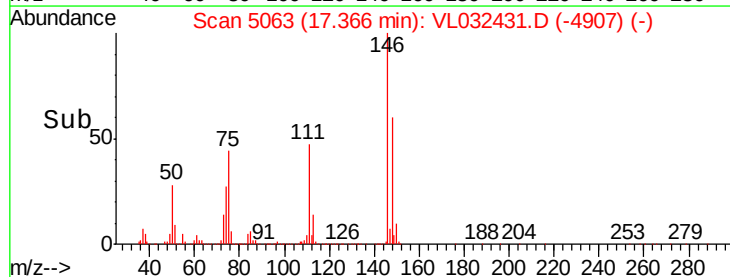
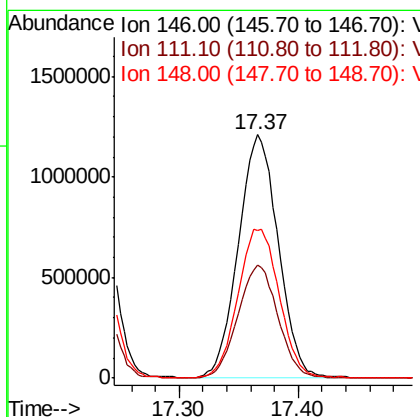
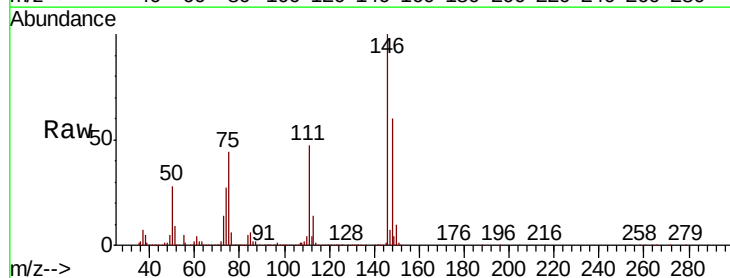
Manual Integrations
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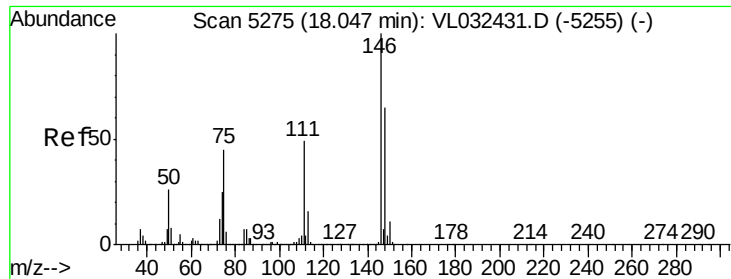
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#76
 1,4-Dichlorobenzene
 Concen: 10.10 ppbv
 RT: 17.37 min Scan# 5063
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.3
148	64.1	31.9	95.9





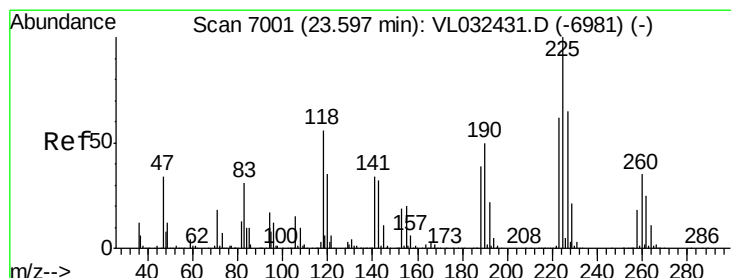
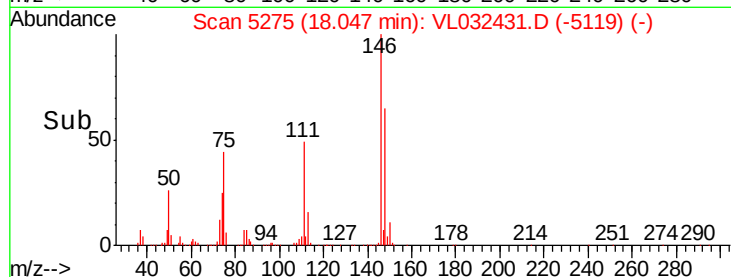
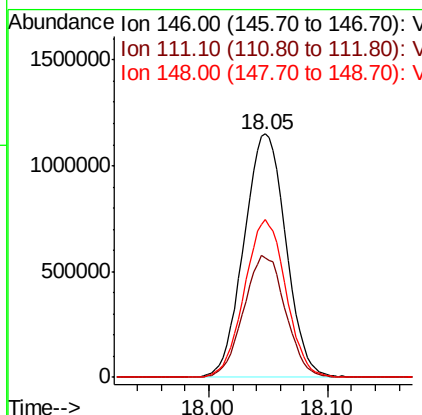
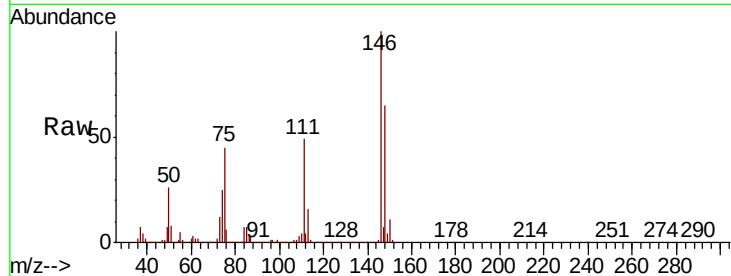
#77
 1,2-Dichlorobenzene
 Concen: 9.72 ppbv
 RT: 18.05 min Scan# 5275
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.9	74.7
148	64.0	31.9	95.9

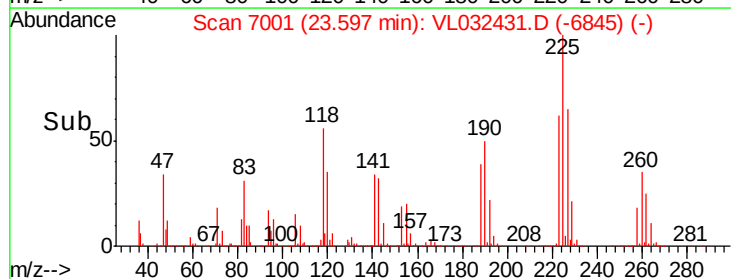
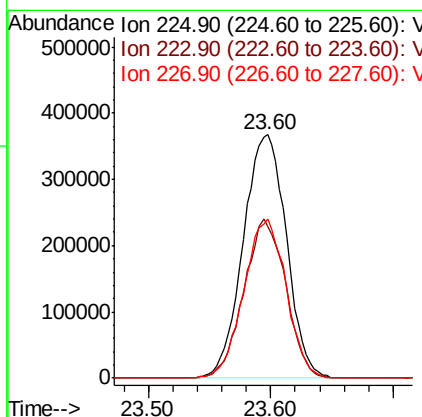
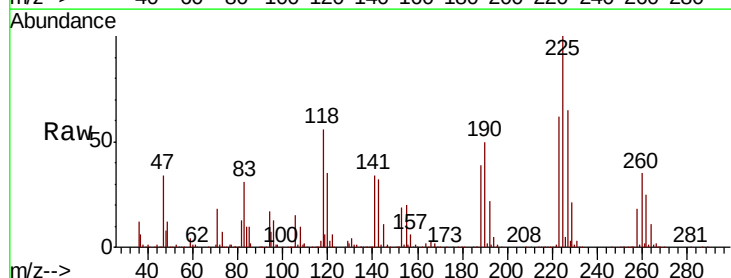
Manual Integrations
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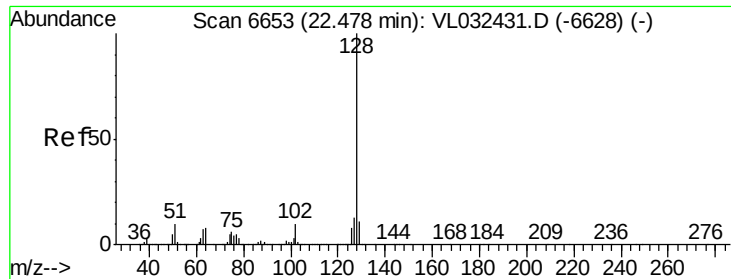
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.22 ppbv
 RT: 23.60 min Scan# 7001
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.0	51.2	76.8





#79

Naphthalene

Concen: 15.04 ppbv

RT: 22.48 min Scan# 6653

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4715899

Ion Ratio Lower Upper

128 100

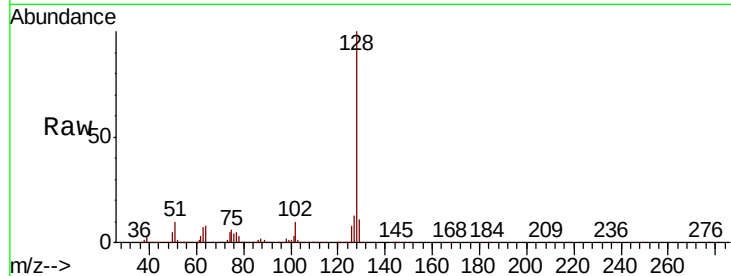
127 12.7 10.2 15.2

129 10.6 8.5 12.7

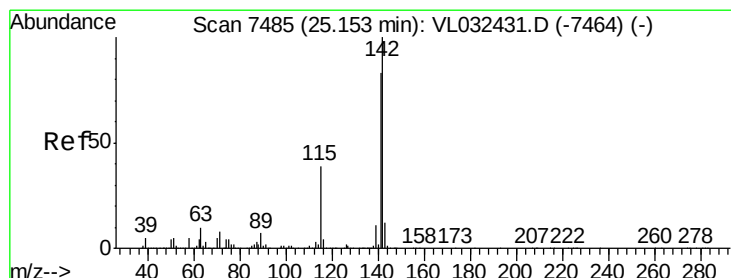
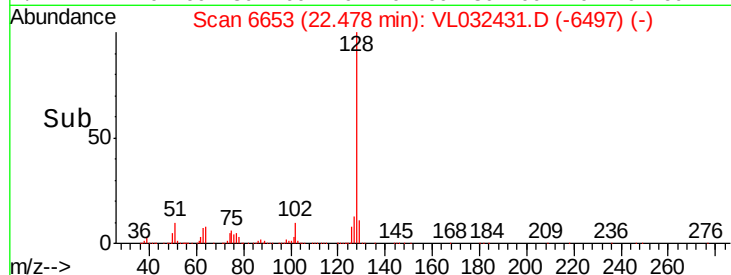
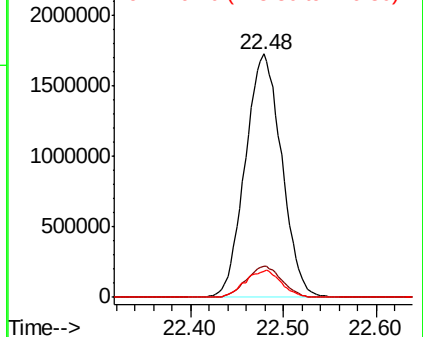
Manual Integrations
APPROVED

apatel

9/4/2018 8:25:21 AM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 20.48 ppbv

RT: 25.15 min Scan# 7485

Delta R.T. 0.00 min

Lab File: VL032431.D

Acq: 31 Aug 2018 00:30

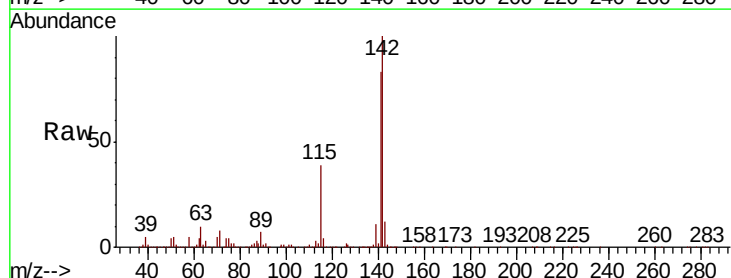
Tgt Ion:142 Resp: 1680660

Ion Ratio Lower Upper

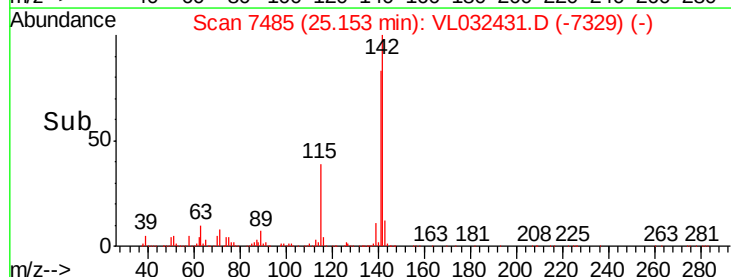
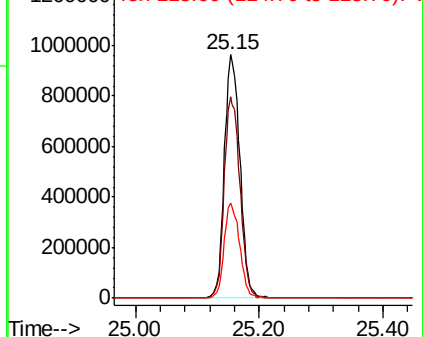
142 100

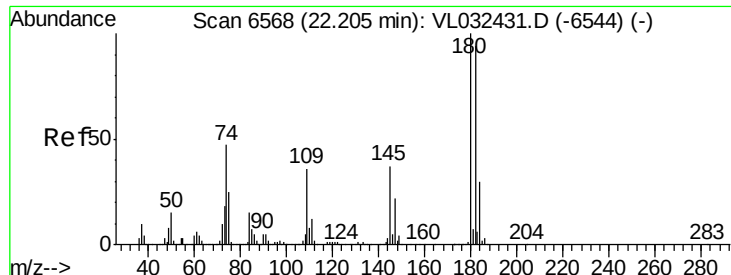
141 83.8 67.0 100.6

115 39.1 31.2 46.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 13.13 ppbv
 RT: 22.20 min Scan# 6568
 Delta R.T. 0.00 min
 Lab File: VL032431.D
 Acq: 31 Aug 2018 00:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	29.8	23.9	35.9

Manual Integrations
 APPROVED

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 9/4/2018 8:25:21 AM

