

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032438.D
 Acq On : 31 Aug 2018 5:44
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSV083118

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:50 AM

Quant Time: Sep 02 22:03:49 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 08:15:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2050682	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4257346	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4317594m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3103405	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	1992405	7.60	ppbv	97
3) Chlorodifluoromethane	3.04	51	1728398	9.31	ppbv	100
4) Chloromethane	3.20	50	1067663	9.50	ppbv	98
5) Vinyl Chloride	3.32	62	1007262	9.08	ppbv	98
6) Bromomethane	3.55	94	574538	9.87	ppbv	99
7) Chloroethane	3.63	64	377263	9.82	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	2151724	9.24	ppbv	100
9) Propene	3.07	41	795203	10.62	ppbv	100
10) Heptane	8.30	43	2822782	10.51	ppbv	99
11) Trichlorofluoromethane	4.04	101	2214384	9.36	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1481576	9.24	ppbv	99
13) Ethanol	3.68	45	195696	8.38	ppbv	94
14) Bromoethene	3.82	108	685230	10.09	ppbv	99
15) Acetone	3.94	43	1687083	9.14	ppbv	100
16) 1,3-Butadiene	3.40	39	867672	10.09	ppbv	93
17) tert-Butyl alcohol	4.40	59	251366	8.85	ppbv	98
18) 1,1-Dichloroethene	4.39	96	718349	9.81	ppbv	96
19) Isopropyl Alcohol	4.06	45	1313653	10.84	ppbv	100
20) Methylene Chloride	4.45	84	639245	9.08	ppbv	99
21) Allyl Chloride	4.52	41	1267173	10.33	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	725198	9.12	ppbv	98
23) Vinyl Acetate	5.20	43	3156347	10.31	ppbv	99
24) 1,1-Dichloroethane	5.13	63	2183935	8.66	ppbv	99
25) Ethyl Acetate	5.81	43	4088041	9.37	ppbv	100
26) Hexane	5.83	57	1882160	9.64	ppbv	99
27) Carbon Disulfide	4.66	76	1859759	10.32	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2233109	9.31	ppbv	100
29) Chloroform	5.90	83	2721310	9.14	ppbv	98
30) Cyclohexane	7.30	84	1510500	10.56	ppbv	98
31) cis-1,2-Dichloroethene	5.69	61	1859558	10.52	ppbv	97
32) 1,1,1-Trichloroethane	6.67	97	2551117	9.19	ppbv	99
34) 2-Butanone	5.37	43	2810376	9.94	ppbv	100
35) Carbon Tetrachloride	7.19	117	2563772	8.96	ppbv	99
36) Benzene	7.06	78	3636387	10.04	ppbv	98
37) 1,2-Dichloroethane	6.46	62	2079193	9.36	ppbv	100
38) Trichloroethene	8.02	130	1408328	10.23	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1491629	9.62	ppbv	96
40) 1,4-Dioxane	8.01	88	563263m	12.11	ppbv	
41) Tetrahydrofuran	6.19	42	1633111	10.61	ppbv	100
42) Bromodichloromethane	7.97	83	3110866	10.16	ppbv	98
43) Methyl Methacrylate	8.19	69	1690160	11.00	ppbv	100

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Manual Integrations
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apatel
 9/4/2018 8:25:50 AM

Quant Time: Sep 02 22:03:49 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 08:15:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	7144592	10.20	ppbv	100
45) t-1,3-Dichloropropene	9.47	75	2009545	12.22	ppbv	99
46) cis-1,3-Dichloropropene	8.89	75	2452451	11.67	ppbv	98
47) 1,1,2-Trichloroethane	9.67	97	1598535	9.70	ppbv	98
48) Dibromochloromethane	10.51	129	2230569	9.77	ppbv	100
49) Bromoform	13.26	173	1980484	9.98	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4314660	10.13	ppbv	100
51) 2-Hexanone	10.32	43	3055567	11.14	ppbv	100
52) Tetrachloroethene	11.43	164	1087330	9.68	ppbv	97
53) Toluene	10.00	91	3998318	10.56	ppbv	100
54) 1,2-Dibromoethane	10.82	107	2363211	10.68	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.34	131	1695107	8.71	ppbv #	57
57) Chlorobenzene	12.36	112	3047552	8.83	ppbv	99
58) Ethyl Benzene	12.92	91	5465472	10.58	ppbv	100
59) m/p-Xylene	13.21	91	8958620m	18.71	ppbv	
60) o-Xylene	13.91	91	4395607	9.71	ppbv	99
61) Styrene	13.74	104	3348119	11.43	ppbv	100
62) Isopropylbenzene	14.88	105	6106086	9.60	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	3375738	8.34	ppbv	99
64) n-propylbenzene	15.78	120	1632685	9.82	ppbv	99
65) tert-Butylbenzene	16.96	119	5164334	9.42	ppbv	100
66) Benzyl Chloride	17.21	91	3292804	10.78	ppbv	100
67) sec-Butylbenzene	17.51	105	7787418	9.45	ppbv	100
69) p-Isopropyltoluene	17.87	119	6227790	9.75	ppbv	100
70) n-Butylbenzene	18.77	91	6936028	9.58	ppbv	100
71) 2-Chlorotoluene	15.67	91	4918303	10.12	ppbv	99
72) 4-Ethyltoluene	16.06	105	5166649	10.46	ppbv	100
73) 1,3,5-Trimethylbenzene	16.22	105	4902936	9.91	ppbv	98
74) 1,2,4-Trimethylbenzene	16.99	105	4867683	9.00	ppbv	93
75) 1,3-Dichlorobenzene	17.22	146	2774769	8.64	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	2815588	9.45	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	2779933	8.97	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	1666639m	14.40	ppbv	
79) Naphthalene	22.48	128	4769679	10.84	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1883292	16.09	ppbv	100
81) 1,2,4-Trichlorobenzene	22.20	180	2252531	10.16	ppbv	100

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

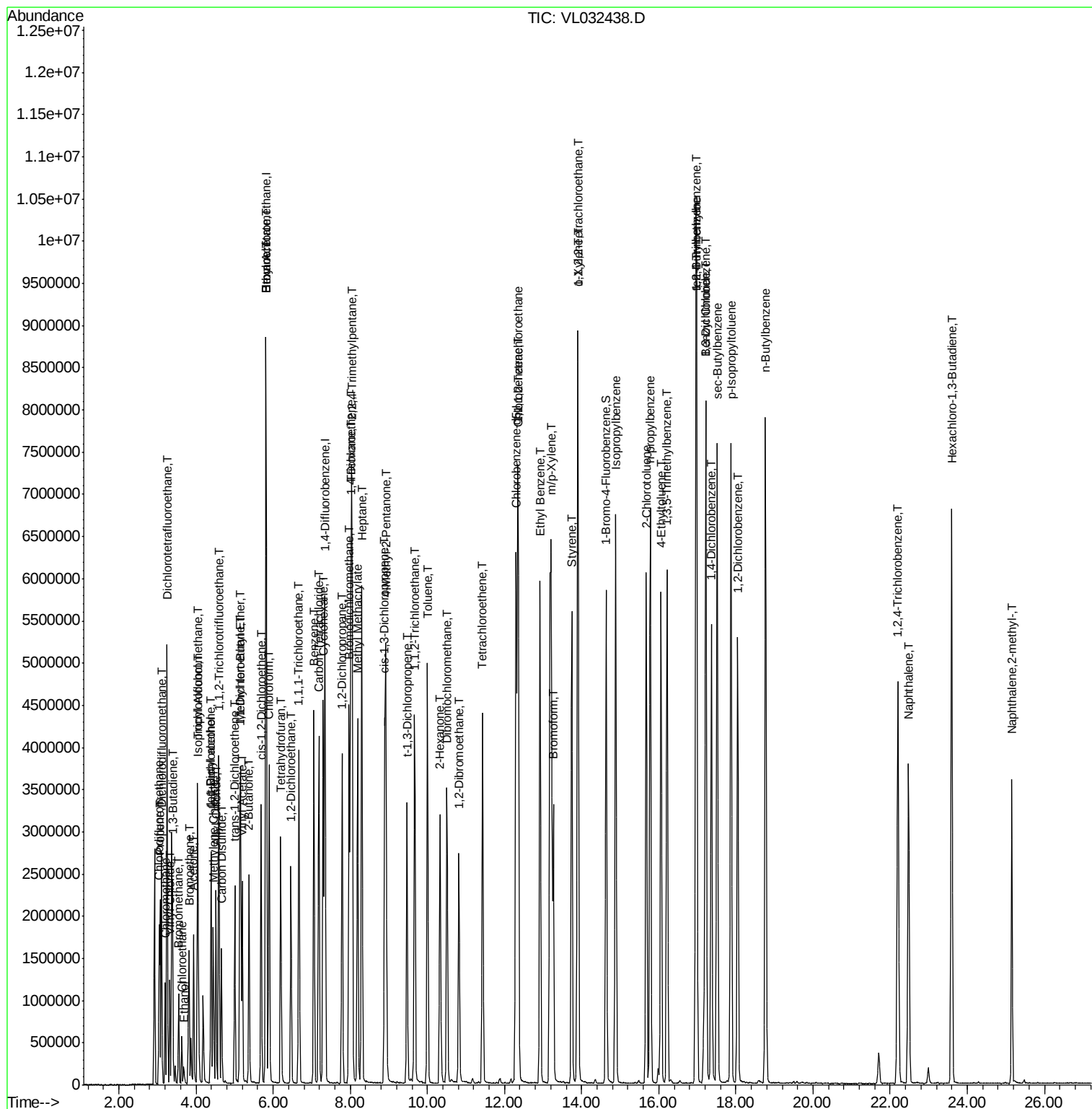
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL083118\
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Operator : SY/AP
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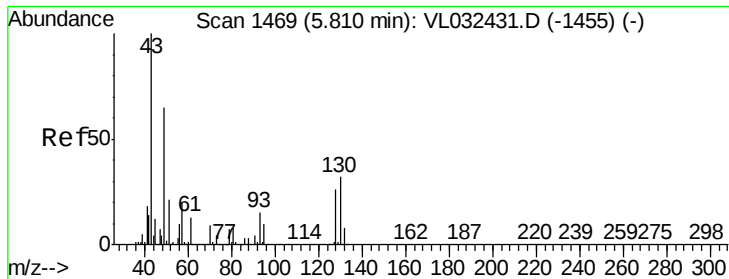
Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Manual Integrations APPROVED

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9/4/2018 8:25:50 AM

Quant Time: Sep 02 22:03:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Aug 31 08:15:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 49 Resp: 2050682

Ion Ratio Lower Upper

49 100

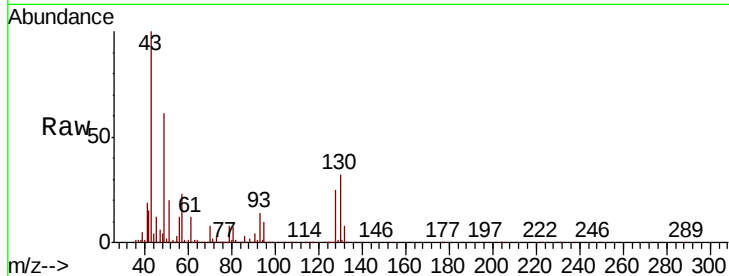
128 41.2 20.7 62.1

130 52.6 26.7 80.0

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

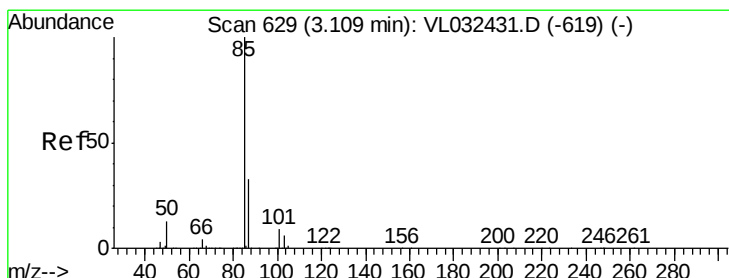
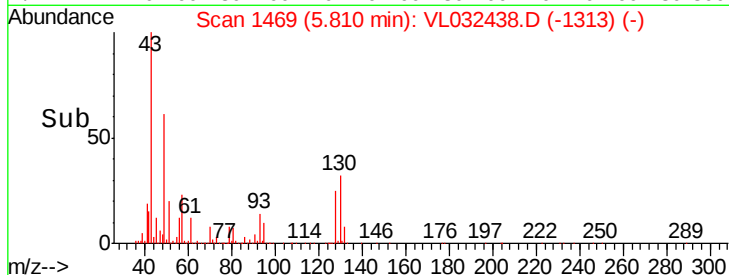
5.81

1000000

500000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.60 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032438.D

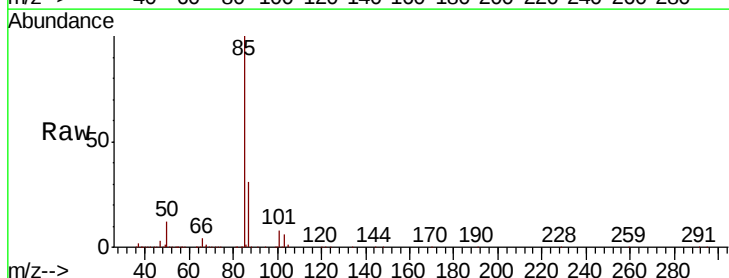
Acq: 31 Aug 2018 5:44

Tgt Ion: 85 Resp: 1992405

Ion Ratio Lower Upper

85 100

87 31.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.11

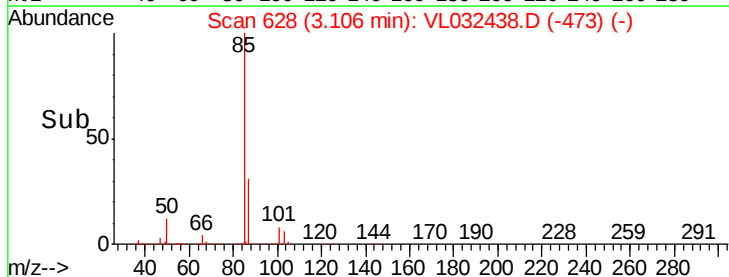
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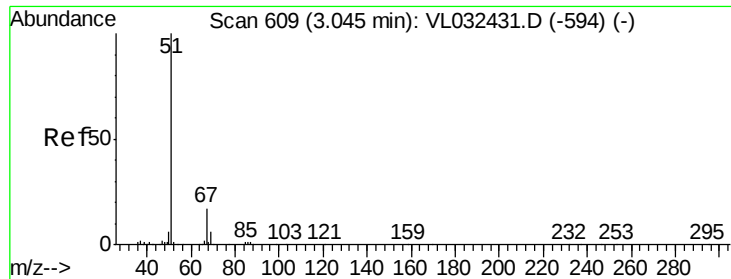
1000000

500000

0

Time-->





#3

Chlorodifluoromethane

Concen: 9.31 ppbv

RT: 3.04 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tot Ion: 51 Resp: 1728398

Ion Ratio Lower Upper

51 100

67 17.5 13.8 20.8

Instrument :

MSVOA_L

ClientSampleId :

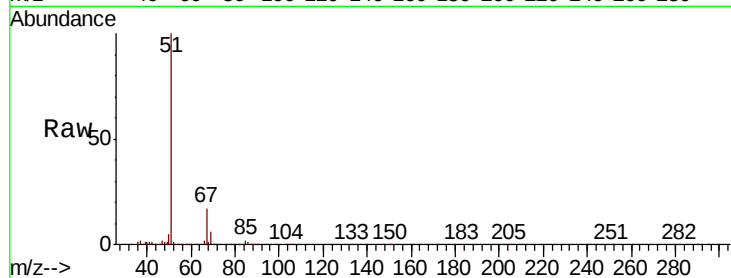
ICVVL083118

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

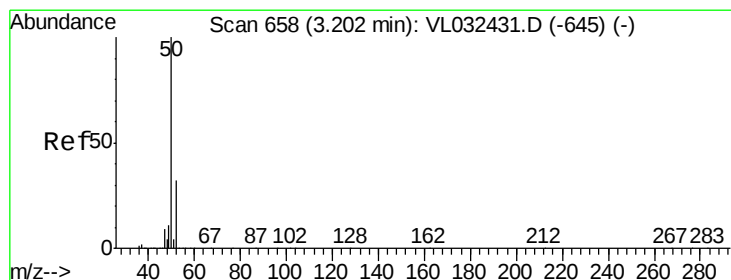
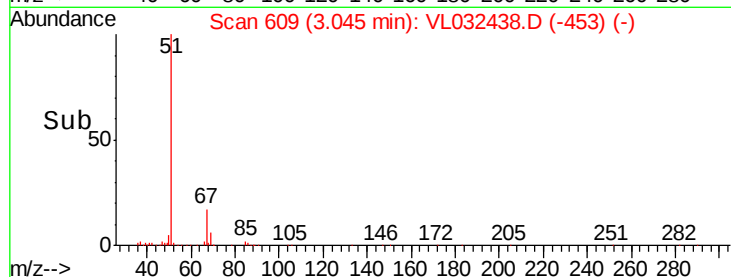
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.50 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032438.D

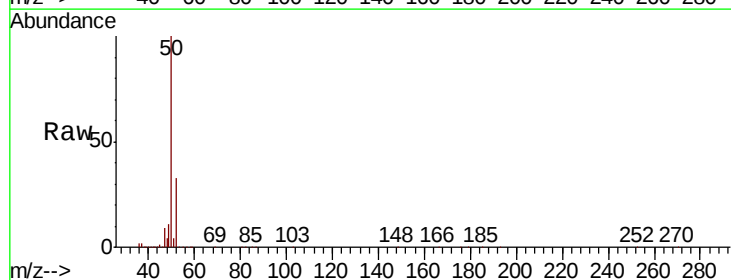
Acq: 31 Aug 2018 5:44

Tgt Ion: 50 Resp: 1067663

Ion Ratio Lower Upper

50 100

52 33.2 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

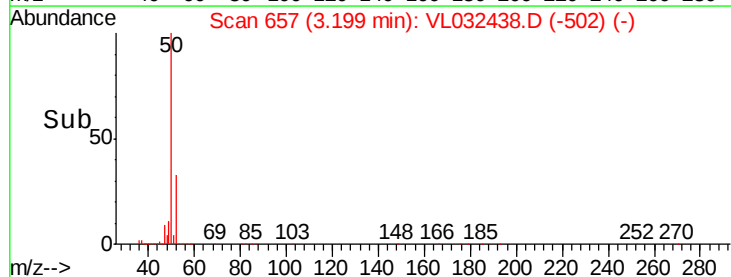
600000

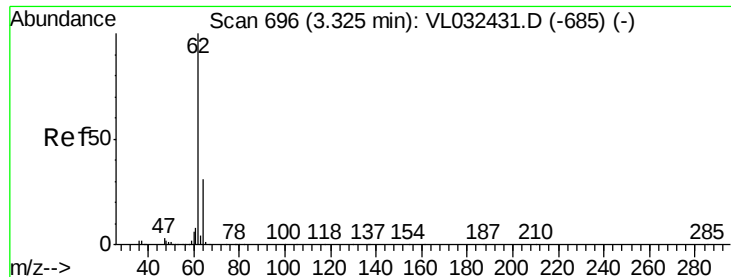
400000

200000

0

Time-->





#5

Vinyl Chloride

Concen: 9.08 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 62 Resp: 1007262

Ion Ratio Lower Upper

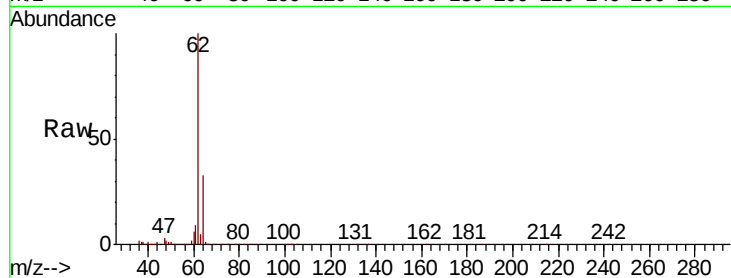
62 100

64 32.5 25.0 37.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.32

800000

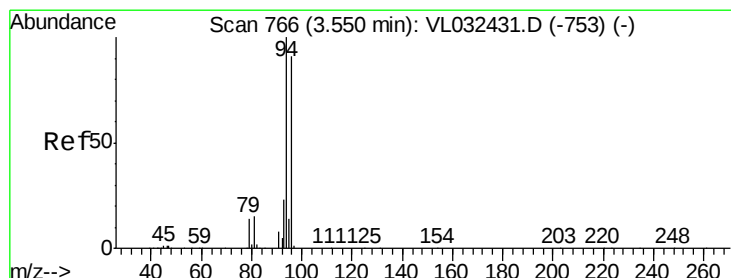
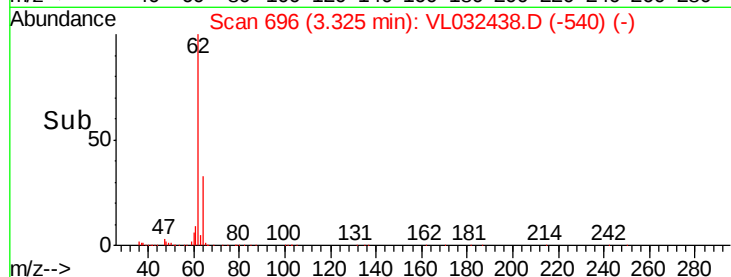
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.87 ppbv

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL032438.D

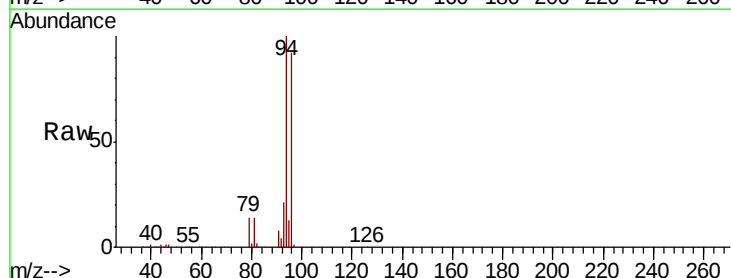
Acq: 31 Aug 2018 5:44

Tgt Ion: 94 Resp: 574538

Ion Ratio Lower Upper

94 100

96 91.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.55

400000

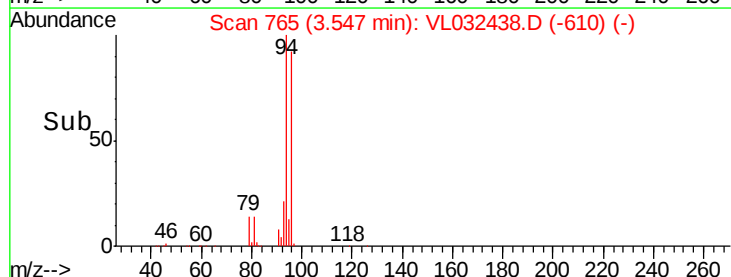
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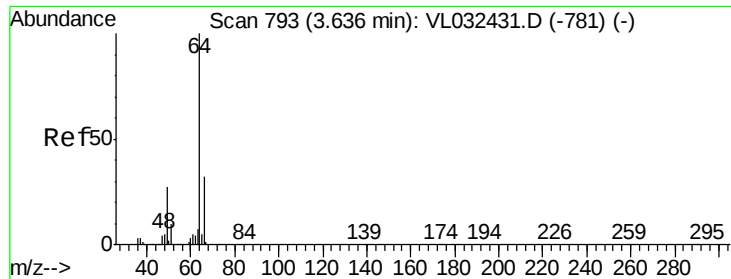
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.82 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 64 Resp: 377263

Ion Ratio Lower Upper

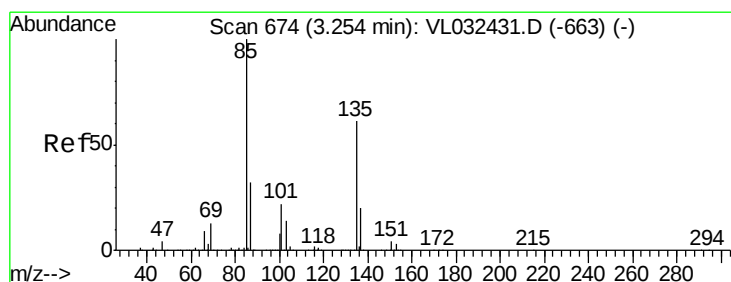
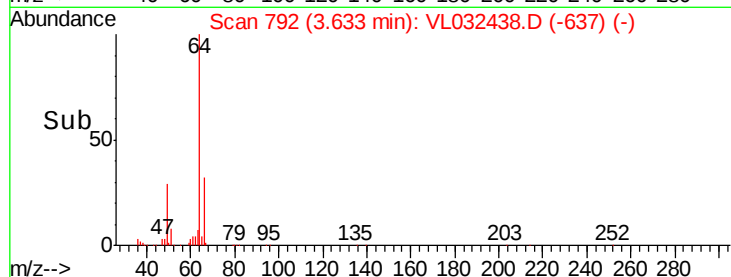
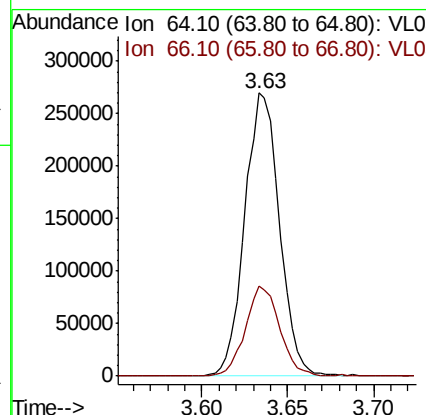
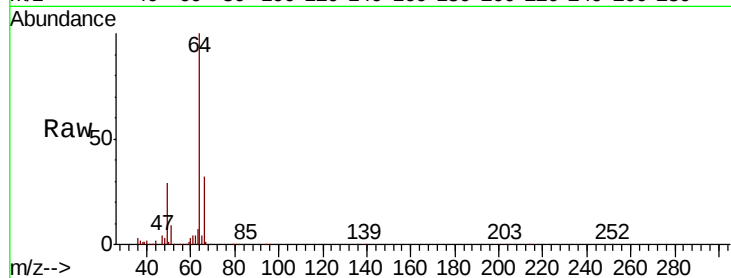
64 100

66 32.1 25.8 38.6

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.24 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032438.D

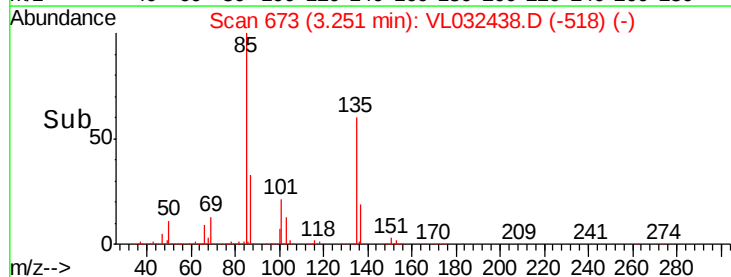
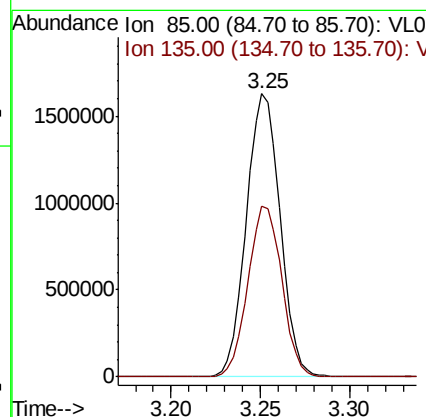
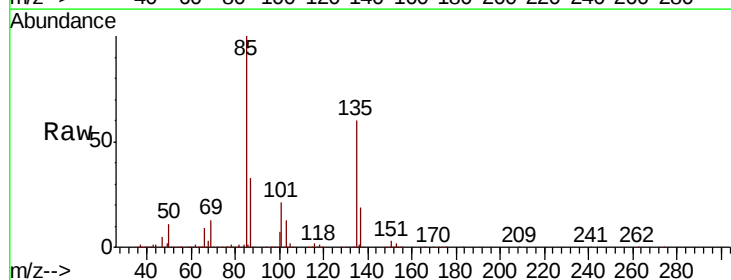
Acq: 31 Aug 2018 5:44

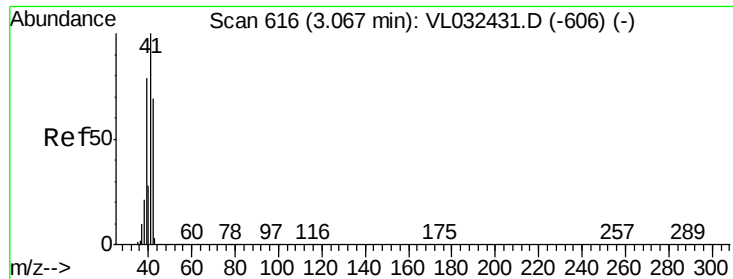
Tgt Ion: 85 Resp: 2151724

Ion Ratio Lower Upper

85 100

135 60.7 48.6 72.8





#9

Propene

Concen: 10.62 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 41 Resp: 795203

Ion Ratio Lower Upper

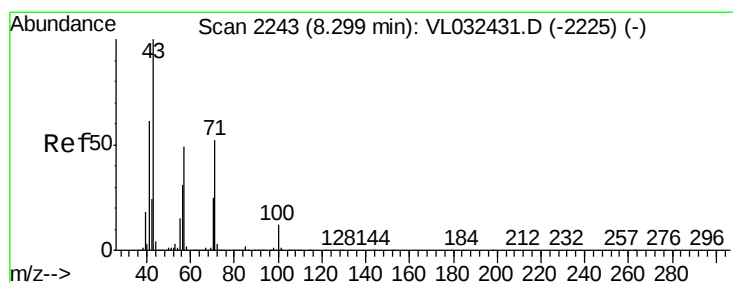
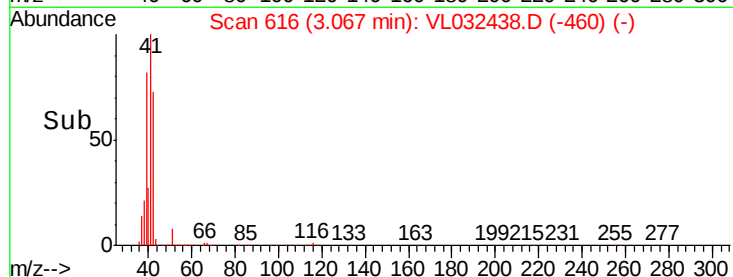
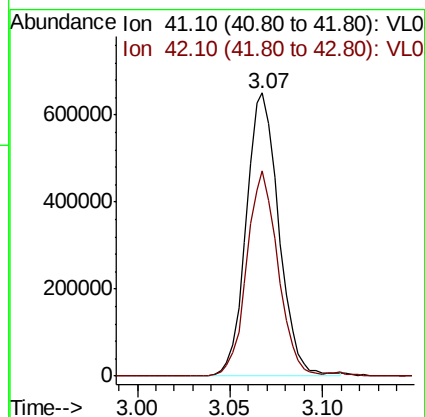
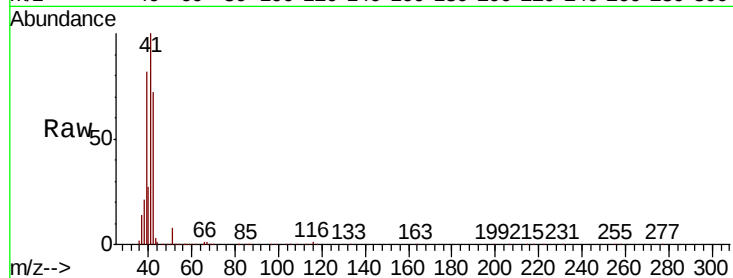
41 100

42 70.9 56.6 84.8

Manual Integrations
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#10

Heptane

Concen: 10.51 ppbv

RT: 8.30 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VL032438.D

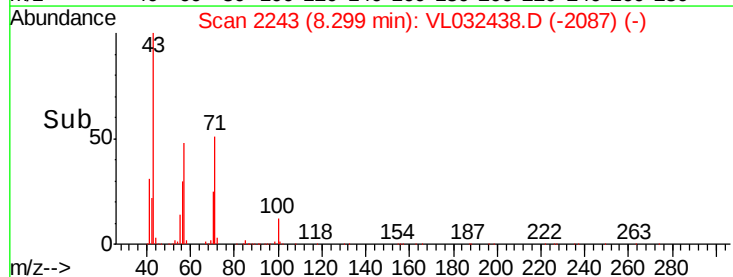
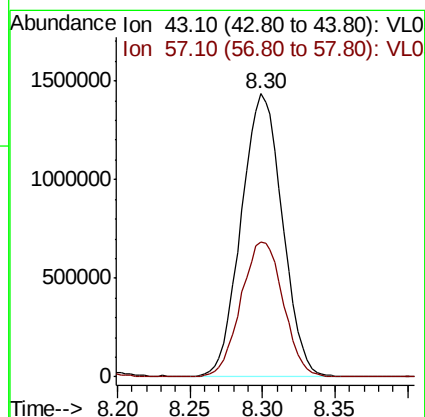
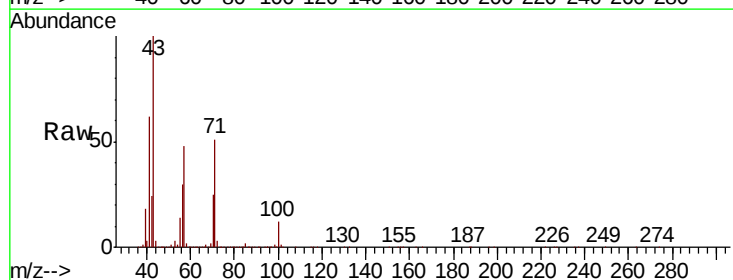
Acq: 31 Aug 2018 5:44

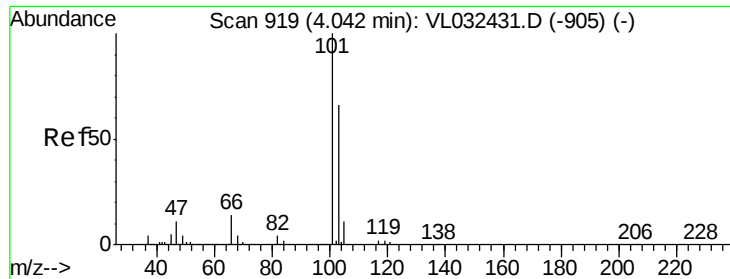
Tgt Ion: 43 Resp: 2822782

Ion Ratio Lower Upper

43 100

57 49.3 39.8 59.6





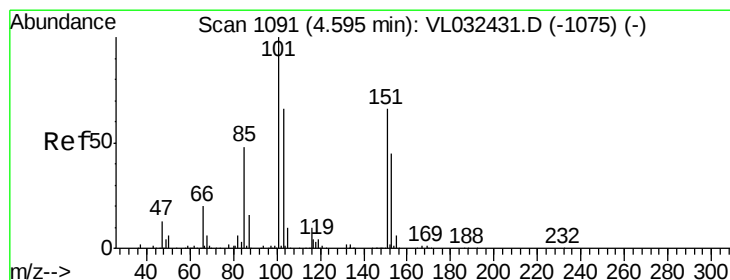
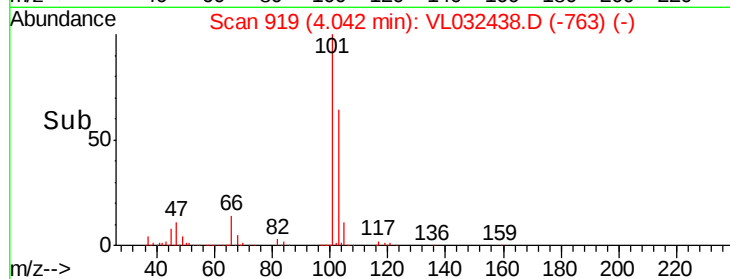
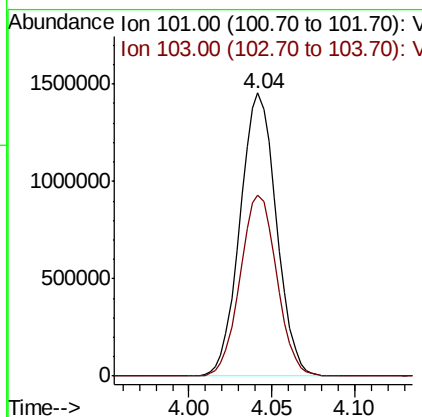
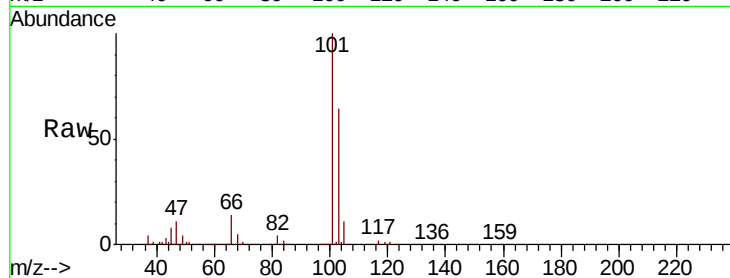
#11
 Trichlorofluoromethane
 Concen: 9.36 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion:101 Resp: 2214384
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.8 79.2

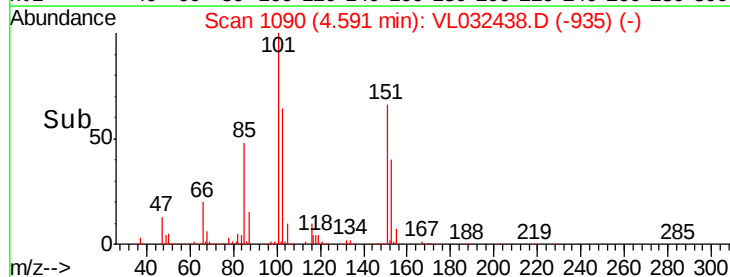
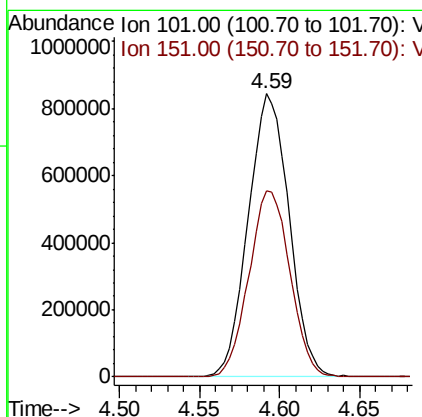
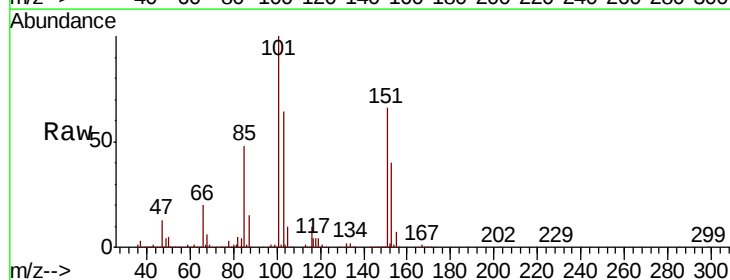
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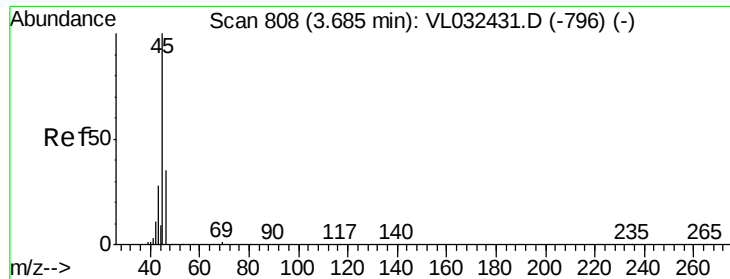
apatel
 9/4/2018 8:25:50 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.24 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion:101 Resp: 1481576
 Ion Ratio Lower Upper
 101 100
 151 66.4 52.6 78.8





#13

Ethanol

Concen: 8.38 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 45 Resp: 195696

Ion Ratio Lower Upper

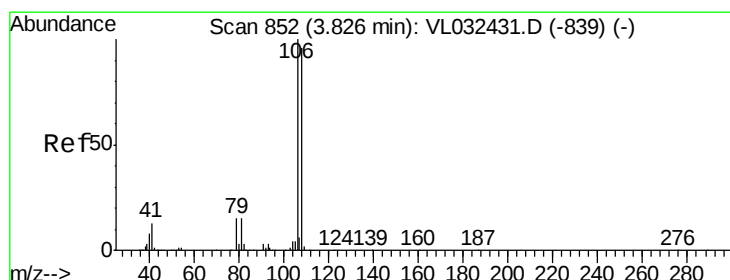
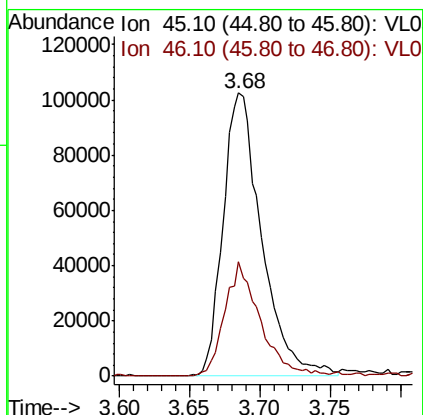
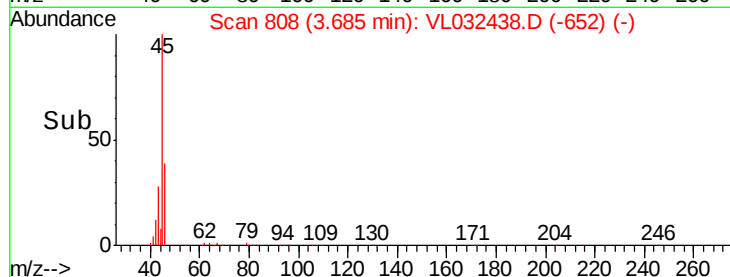
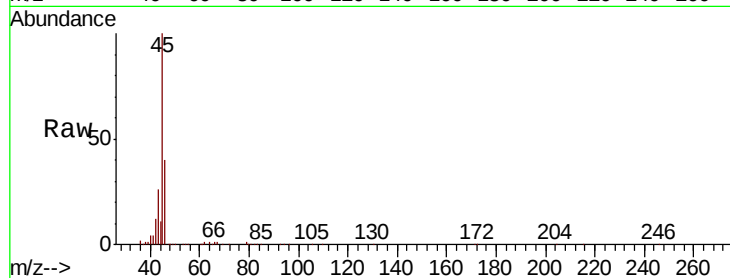
45 100

46 38.2 13.9 55.7

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#14

Bromoethene

Concen: 10.09 ppbv

RT: 3.82 min Scan# 851

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

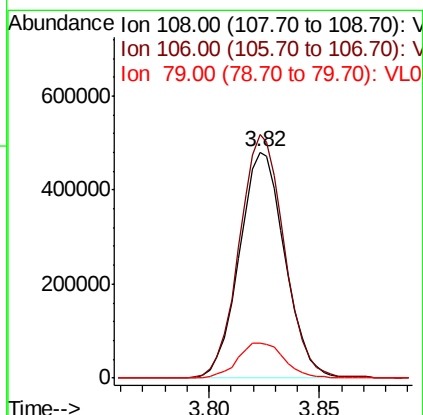
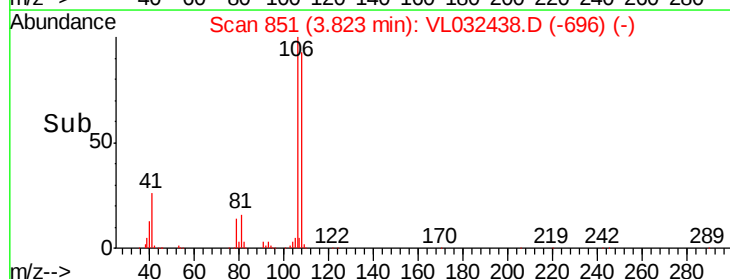
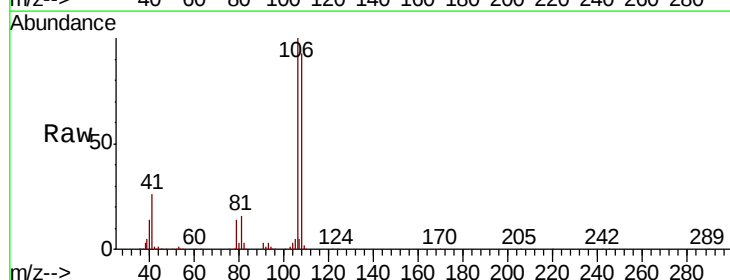
Tgt Ion: 108 Resp: 685230

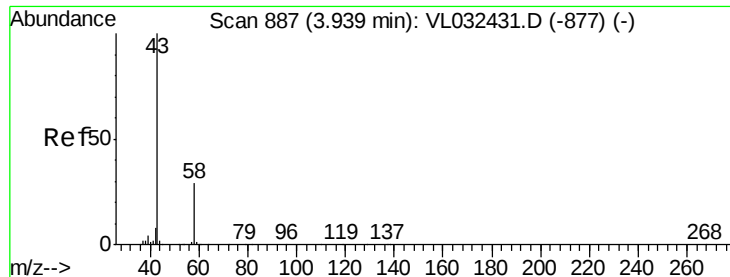
Ion Ratio Lower Upper

108 100

106 108.1 85.5 128.3

79 16.4 13.0 19.6





#15

Acetone

Concen: 9.14 ppbv

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tot Ion: 43 Resp: 1687083

Ion Ratio Lower Upper

43 100

58 28.3 22.6 33.8

Instrument :

MSVOA_L

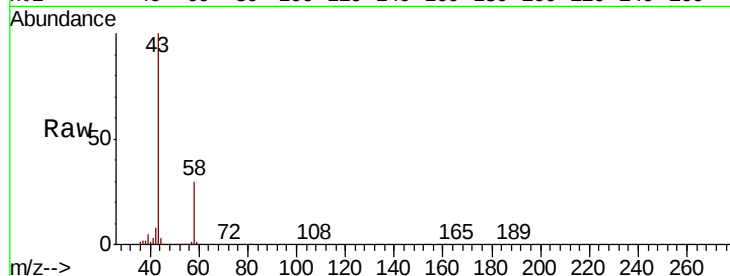
ClientSampleId :

ICVVL083118

Manual Integrations
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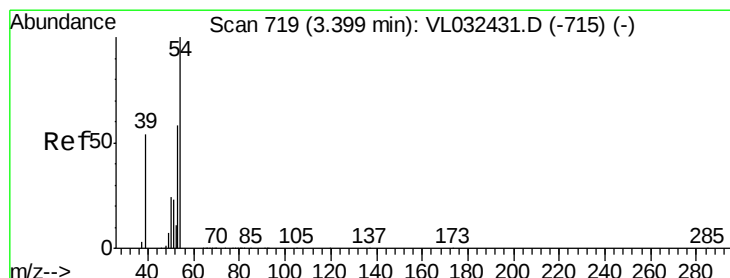
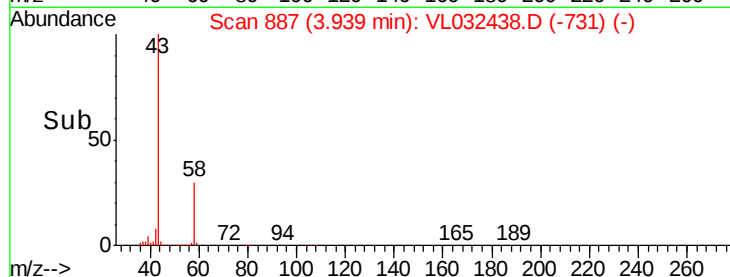
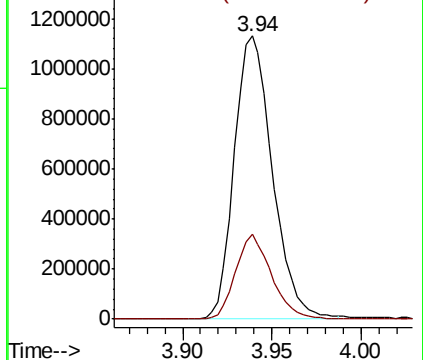
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.09 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL032438.D

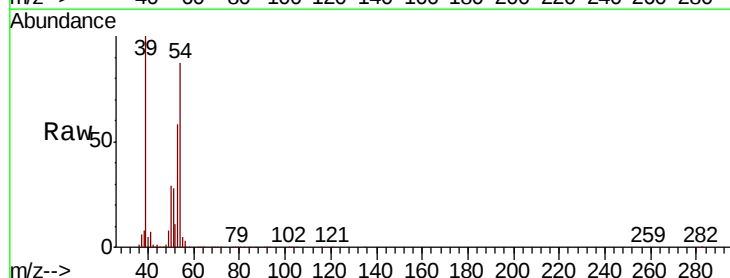
Acq: 31 Aug 2018 5:44

Tgt Ion: 39 Resp: 867672

Ion Ratio Lower Upper

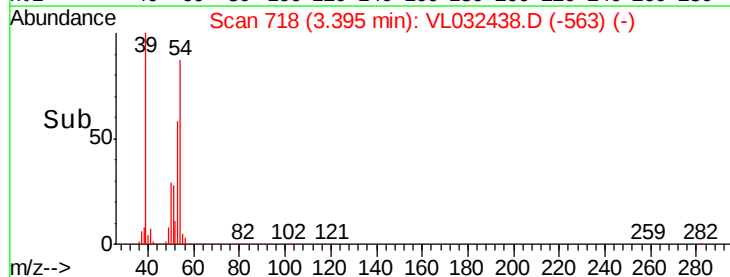
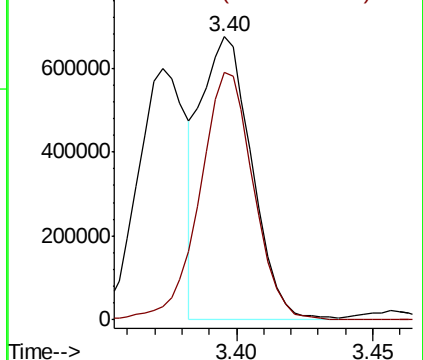
39 100

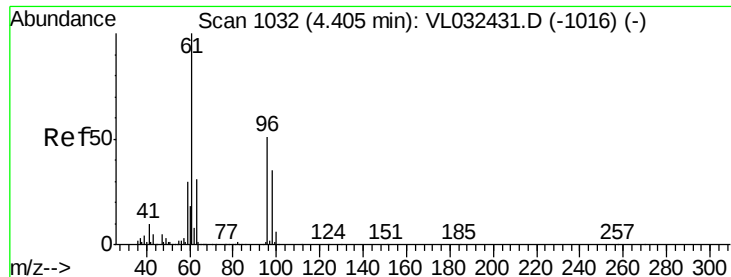
54 93.5 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





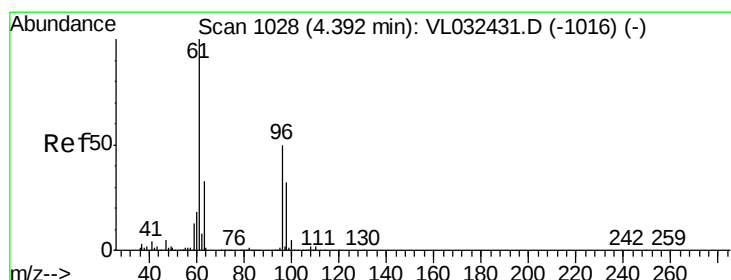
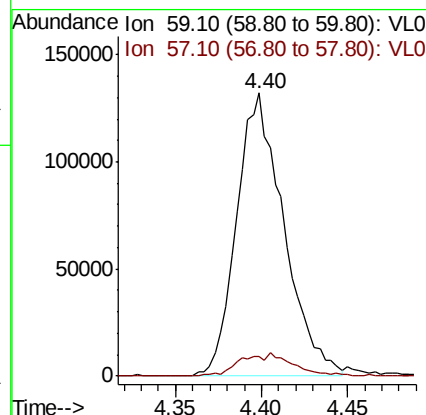
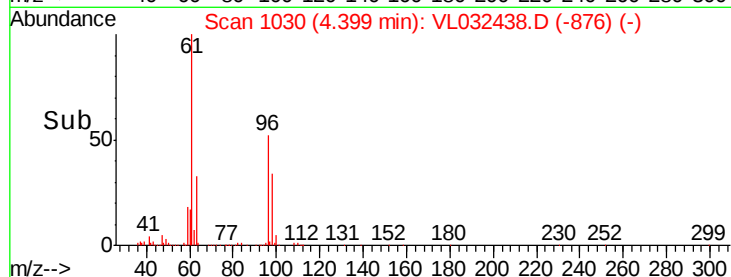
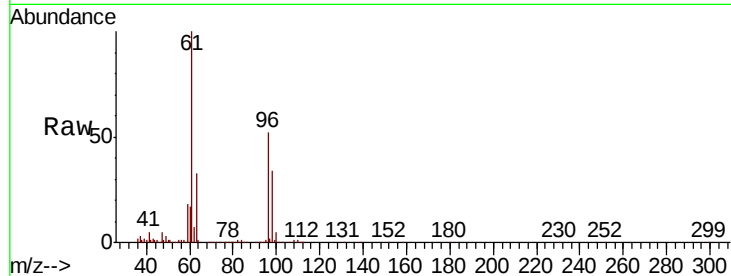
#17
 tert-Butyl alcohol
 Concen: 8.85 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleID :
 ICVVL083118

Tot Ion: 59 Resp: 251366
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.0 10.4

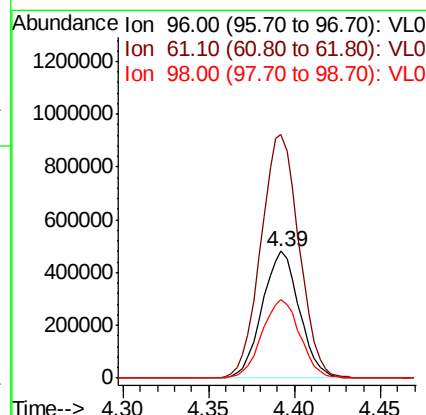
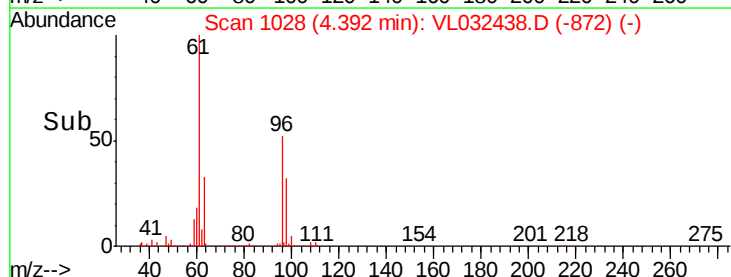
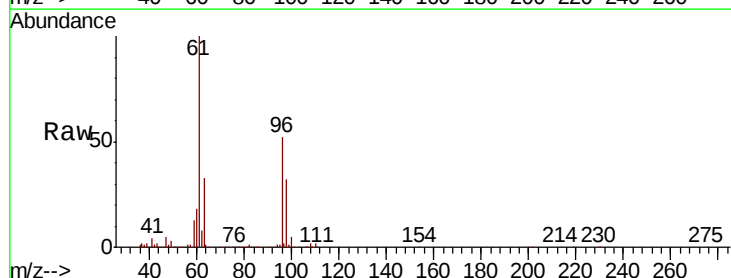
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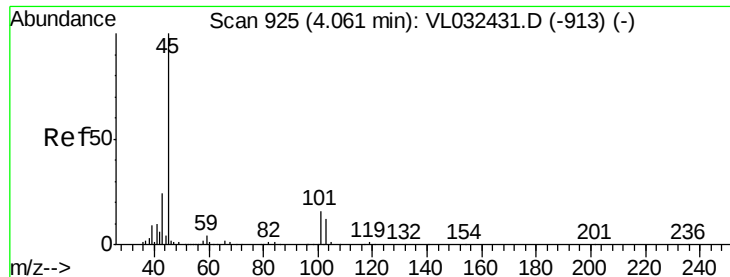
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#18
 1,1-Dichloroethene
 Concen: 9.81 ppbv
 RT: 4.39 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion: 96 Resp: 718349
 Ion Ratio Lower Upper
 96 100
 61 192.0 159.2 238.8
 98 61.9 51.0 76.4





#19

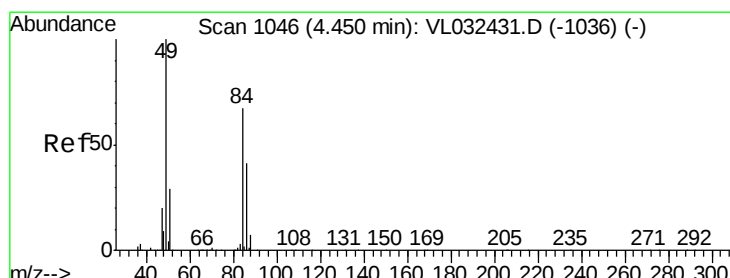
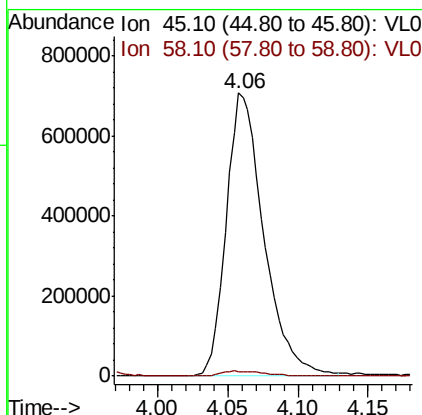
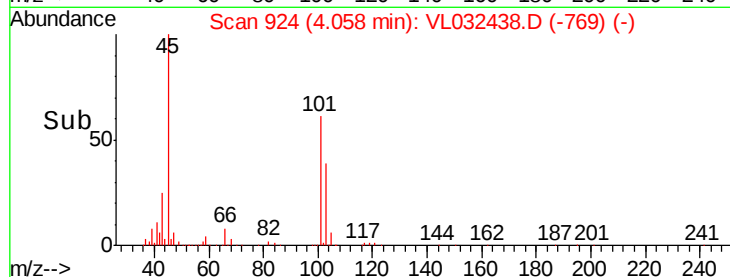
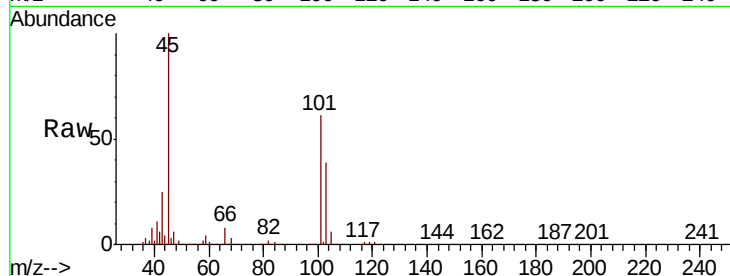
Isopropyl Alcohol
 Concen: 10.84 ppbv
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion: 45 Resp: 1313653
 Ion Ratio Lower Upper
 45 100
 58 2.6 2.0 3.0

Manual Integrations
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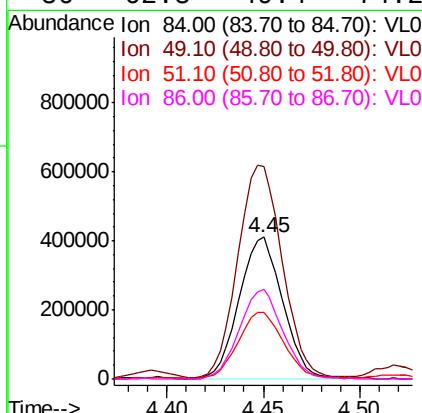
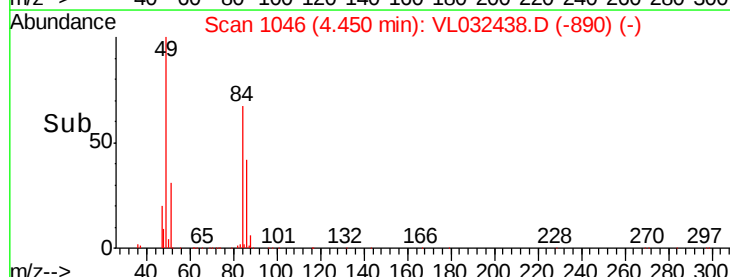
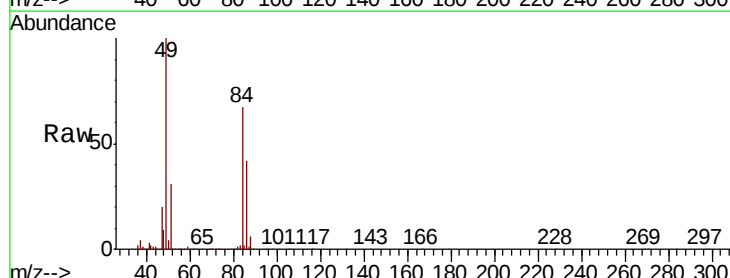
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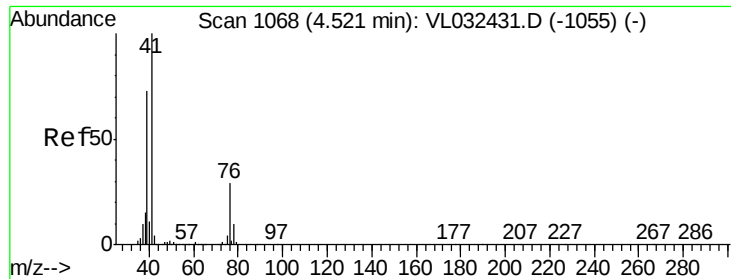


#20

Methylene Chloride
 Concen: 9.08 ppbv
 RT: 4.45 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion: 84 Resp: 639245
 Ion Ratio Lower Upper
 84 100
 49 149.3 119.1 178.7
 51 46.5 35.2 52.8
 86 62.8 49.4 74.2





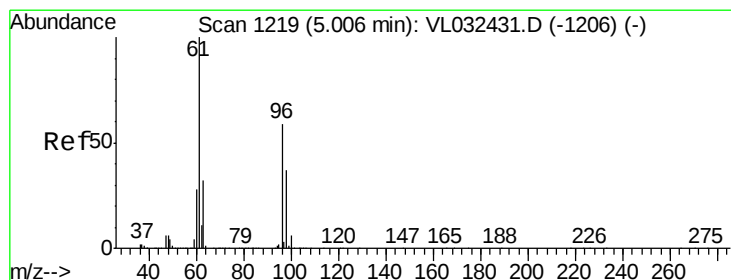
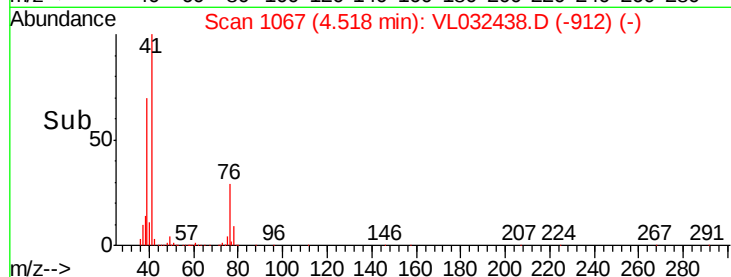
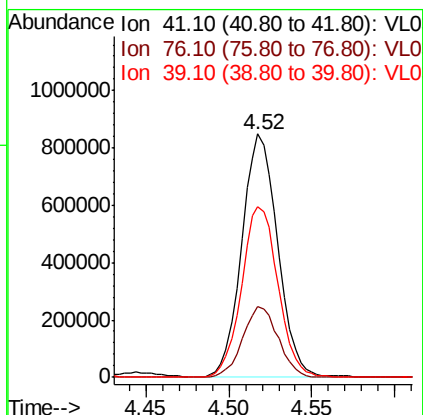
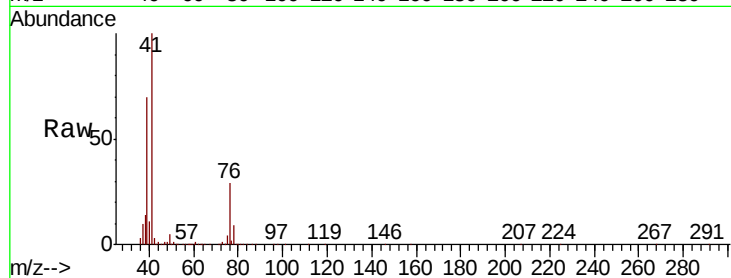
#21
Allvl Chloride
Concen: 10.33 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	71.8	57.7	86.5

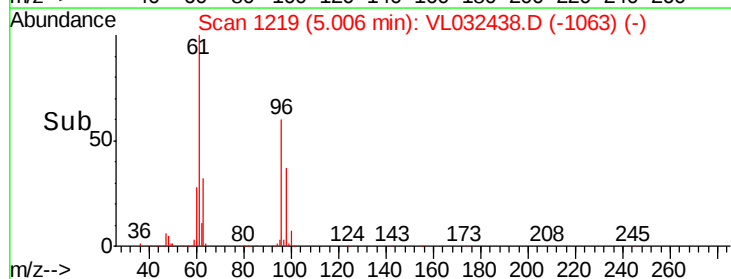
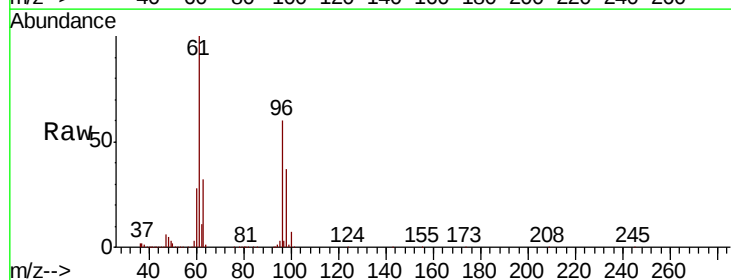
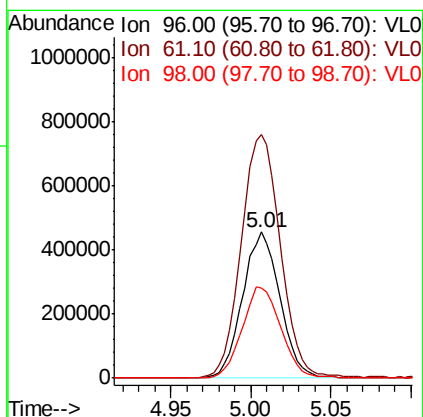
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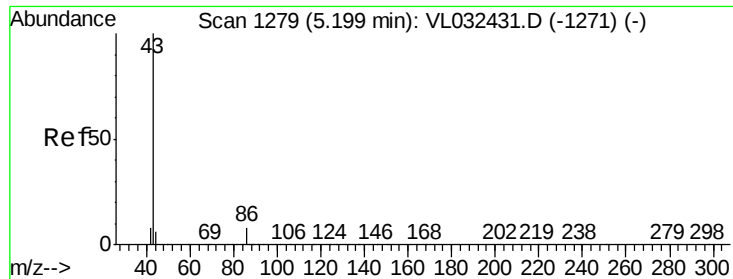
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#22
trans-1,2-Dichloroethene
Concen: 9.12 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	136.2	204.4
98	61.4	50.4	75.6





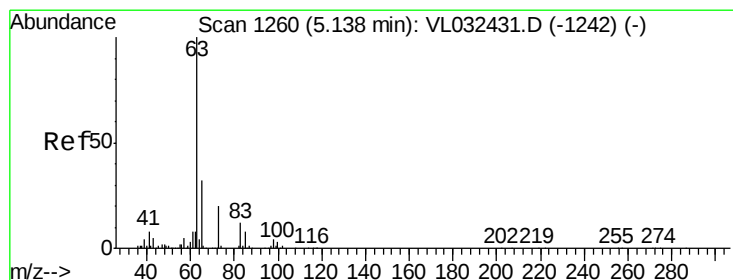
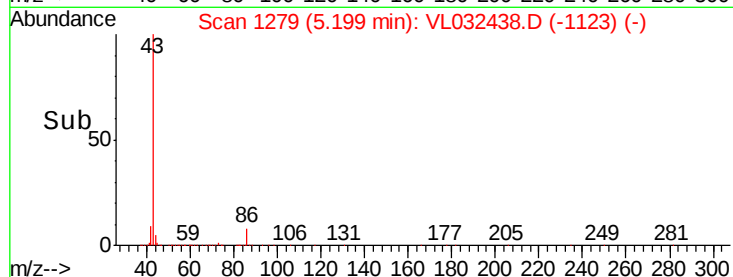
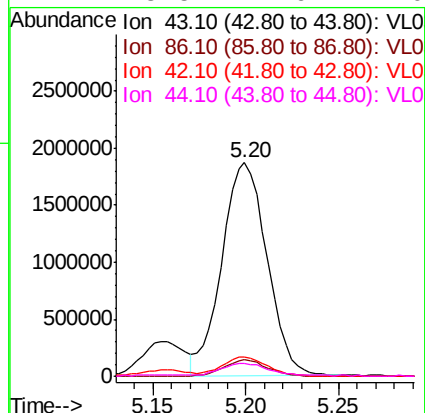
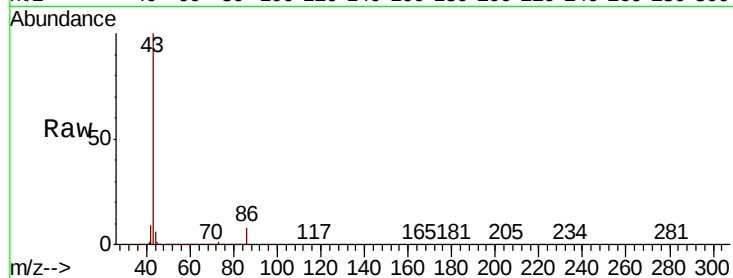
#23
 Vinyl Acetate
 Concen: 10.31 ppbv
 RT: 5.20 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.6	5.9	8.9	
42	9.2	6.9	10.3	
44	5.5	4.6	7.0	

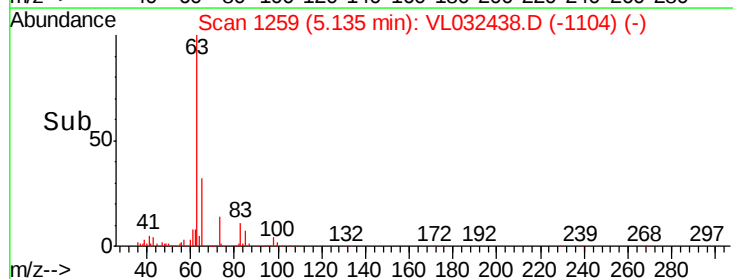
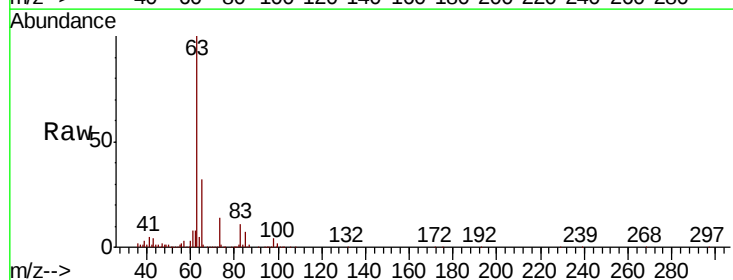
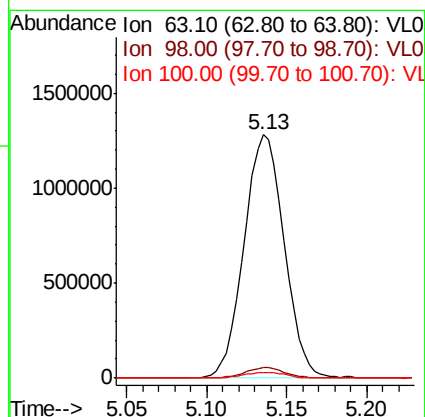
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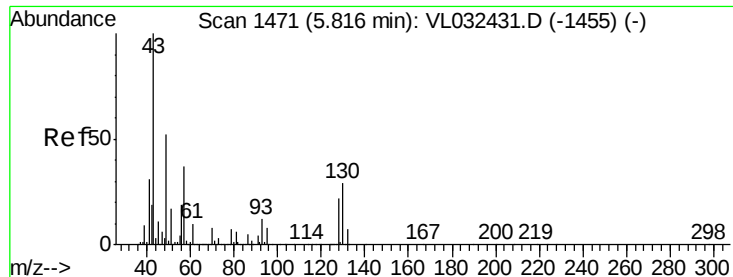
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#24
 1,1-Dichloroethane
 Concen: 8.66 ppbv
 RT: 5.13 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.3	1.5	4.4	





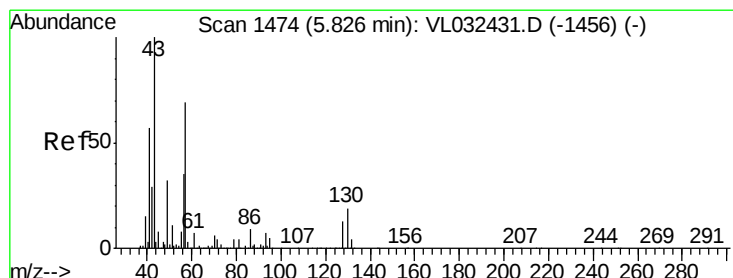
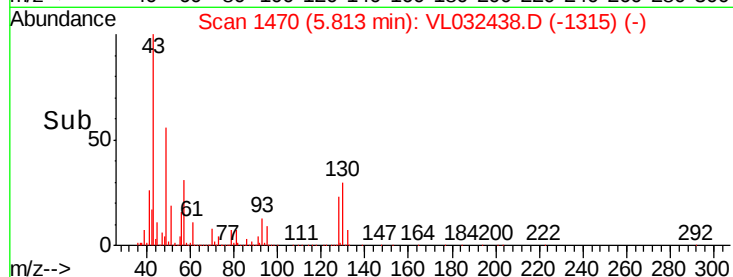
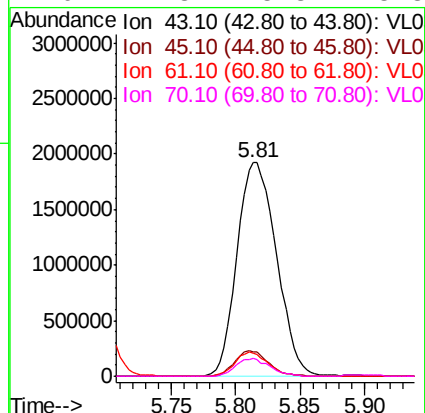
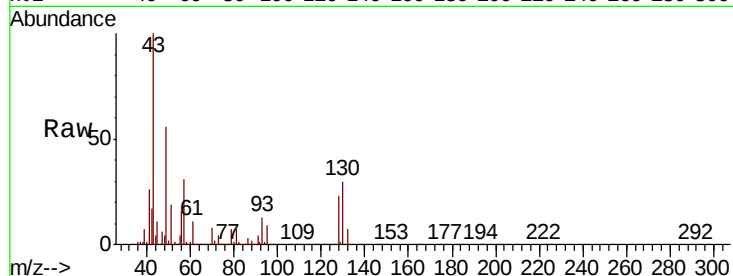
#25
Ethyl Acetate
Concen: 9.37 ppbv
RT: 5.81 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	8.0	12.0	
61	9.6	7.6	11.4	
70	7.3	5.8	8.8	

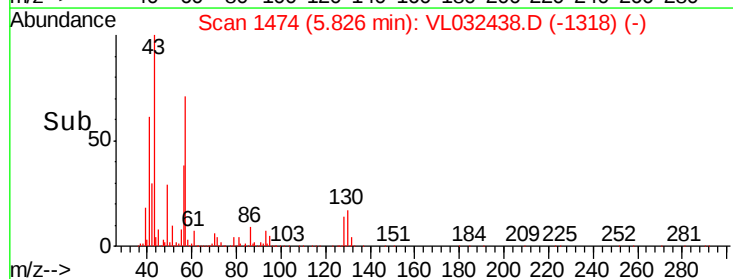
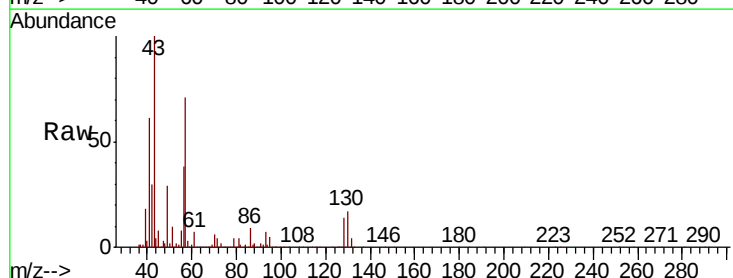
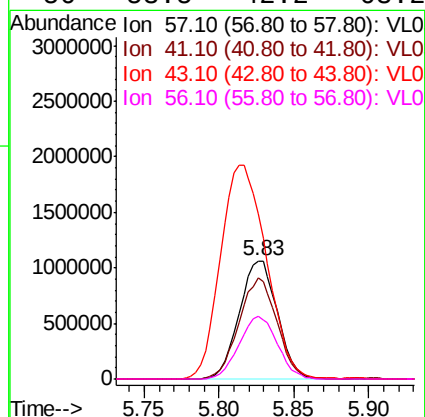
Manual Integrations
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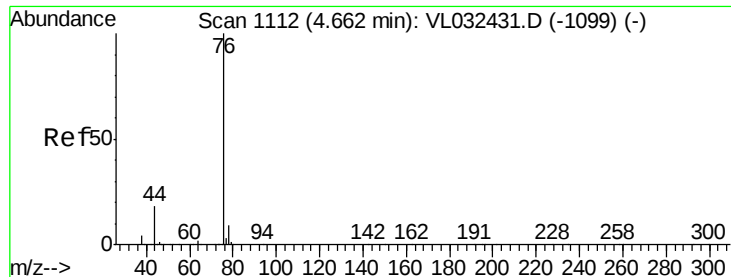
apatel
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#26
Hexane
Concen: 9.64 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.6	68.4	102.6	
43	218.1	172.6	258.8	
56	53.5	42.2	63.2	





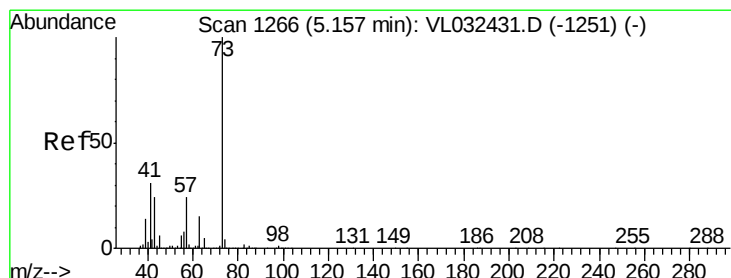
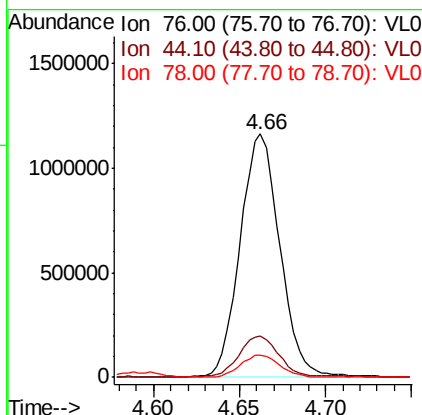
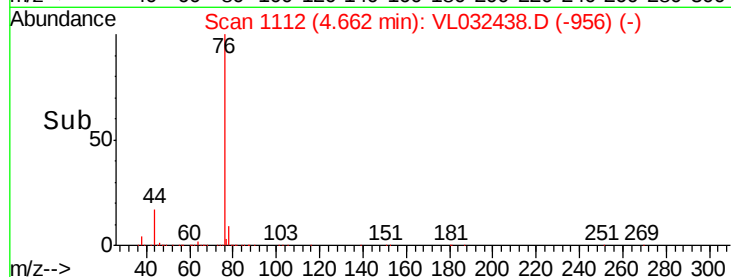
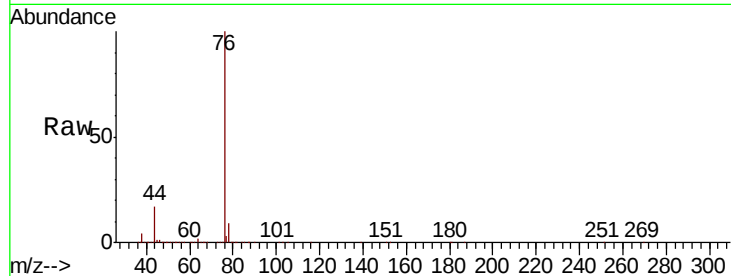
#27
Carbon Disulfide
Concen: 10.32 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
76	100		
44	16.9	14.0	21.0
78	9.2	7.5	11.3

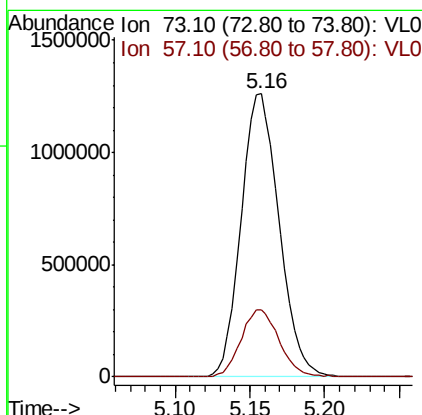
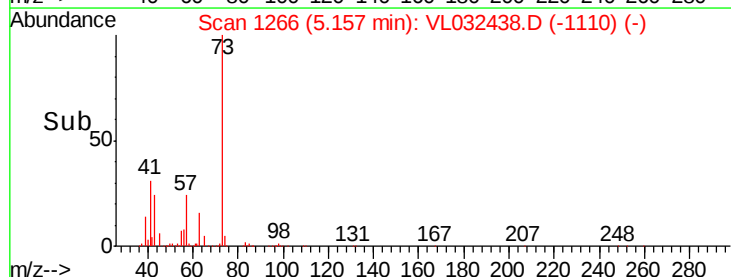
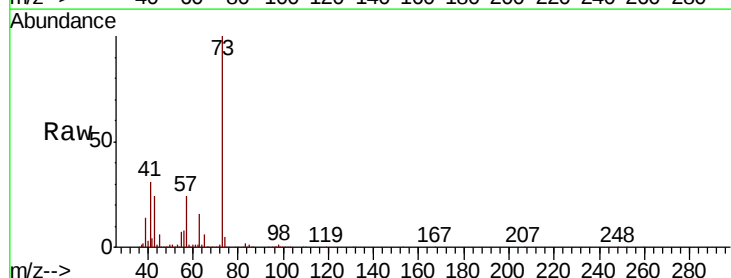
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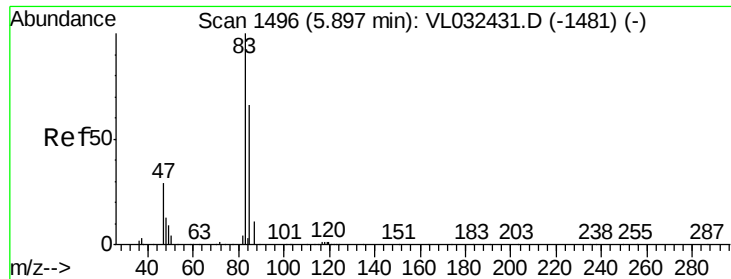
apatel
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#28
Methyl tert-Butyl Ether
Concen: 9.31 ppbv
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9





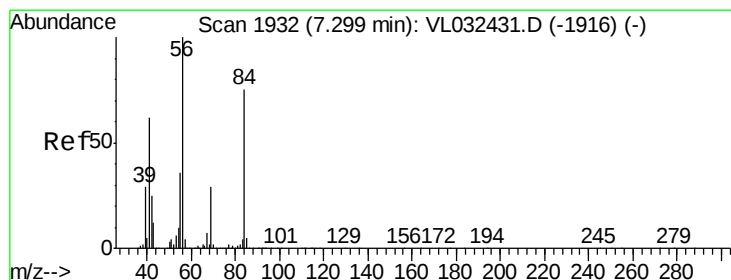
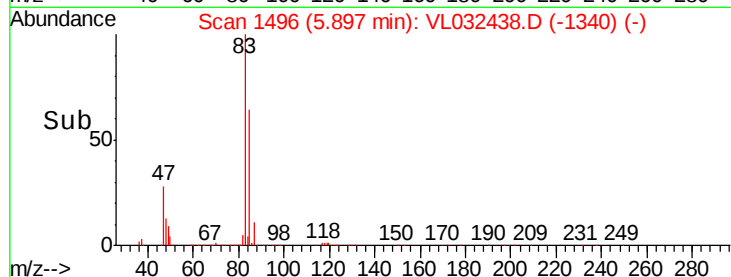
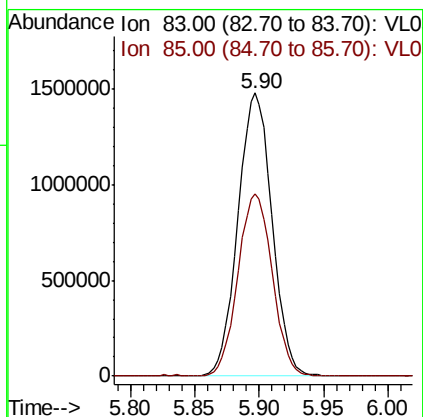
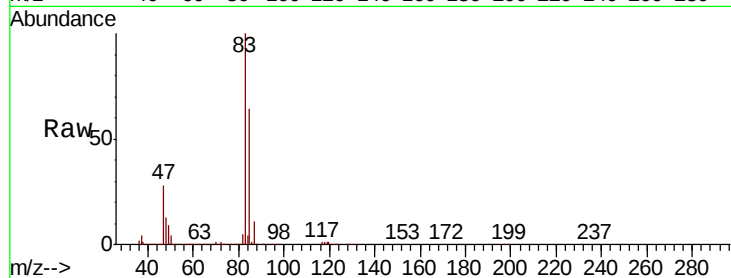
#29
Chloroform
Concen: 9.14 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion: 83 Resp: 2721310
Ion Ratio Lower Upper
83 100
85 64.2 52.5 78.7

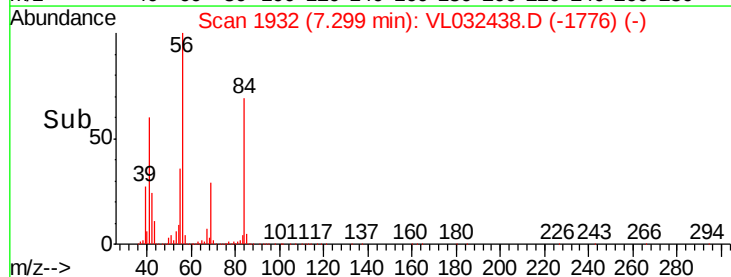
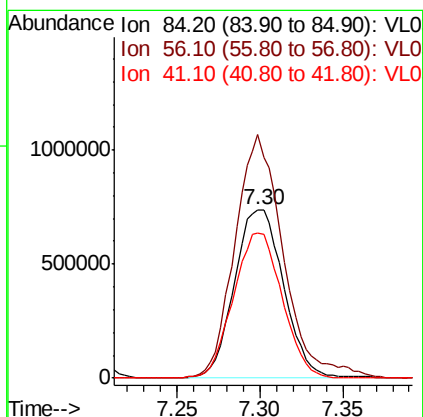
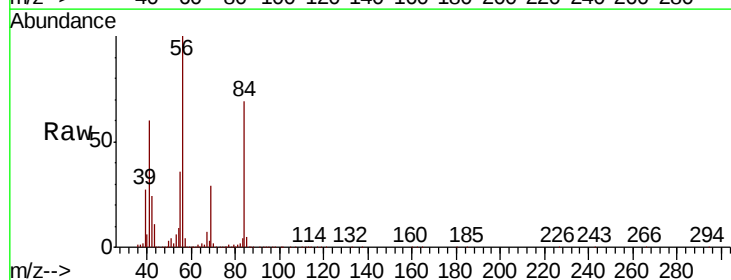
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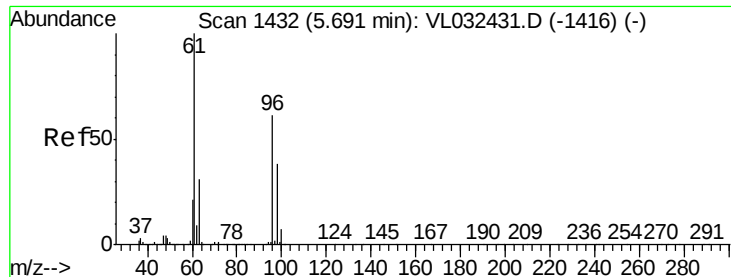
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#30
Cyclohexane
Concen: 10.56 ppbv
RT: 7.30 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion: 84 Resp: 1510500
Ion Ratio Lower Upper
84 100
56 143.9 113.5 170.3
41 86.3 68.0 102.0





#31

cis-1,2-Dichloroethene

Concen: 10.52 ppbv

RT: 5.69 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

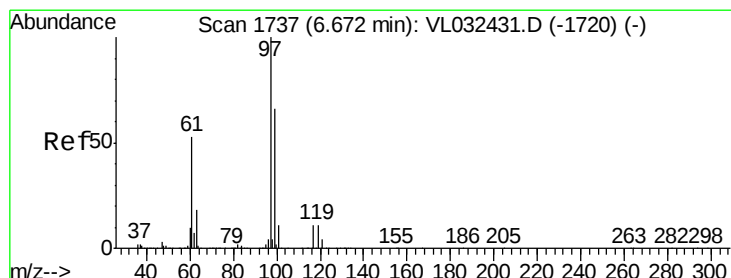
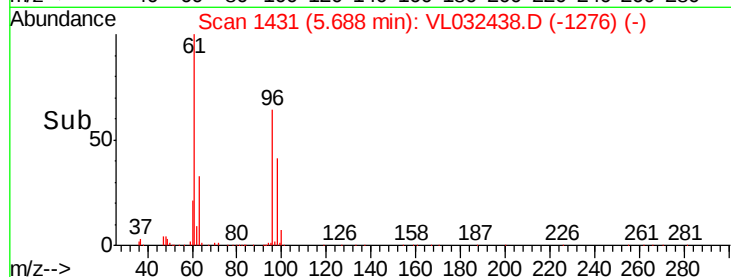
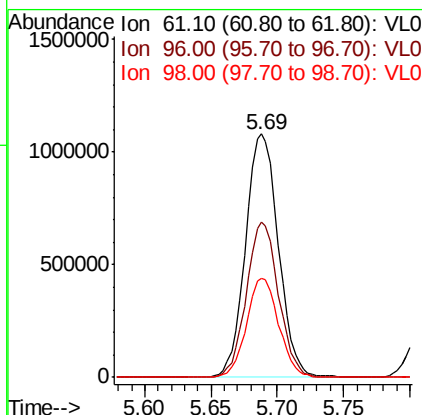
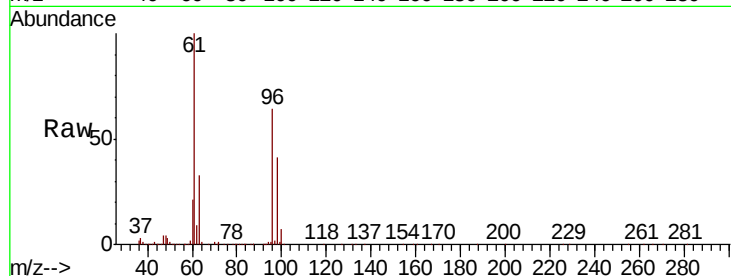
ClientSampleId :

ICVVL083118

Tot Ion	61	Resp	1859558
Ion	Ratio	Lower	Upper
61	100		
96	63.5	49.2	73.8
98	40.7	30.7	46.1

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#32

1,1,1-Trichloroethane

Concen: 9.19 ppbv

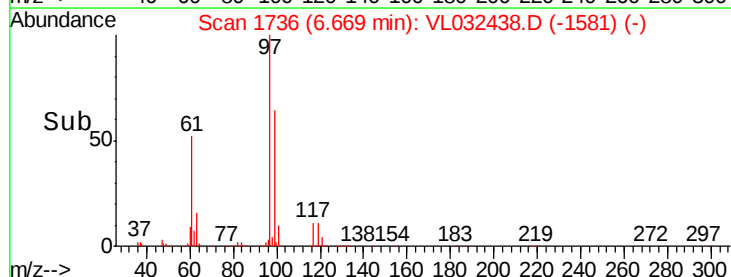
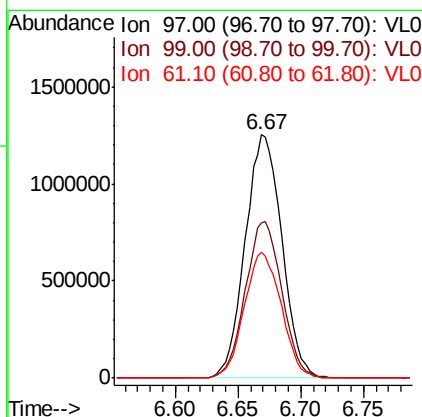
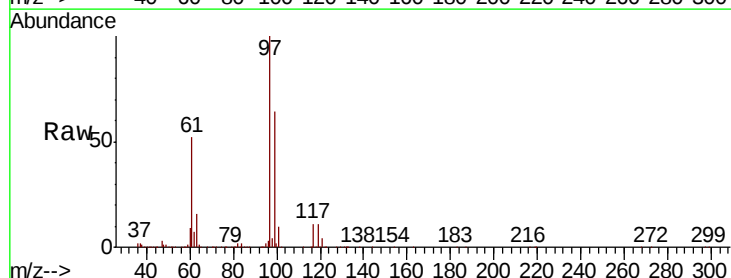
RT: 6.67 min Scan# 1736

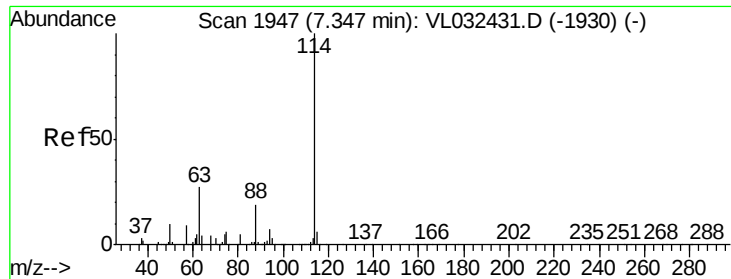
Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tgt Ion	97	Resp	2551117
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	52.2	42.6	64.0





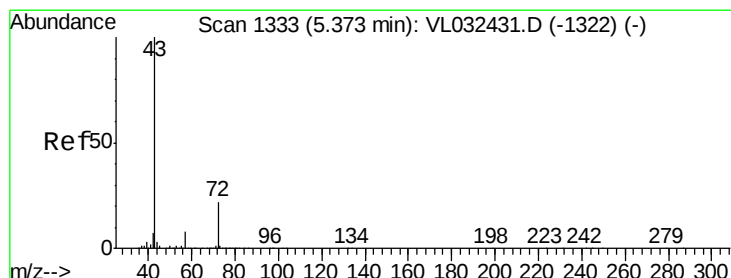
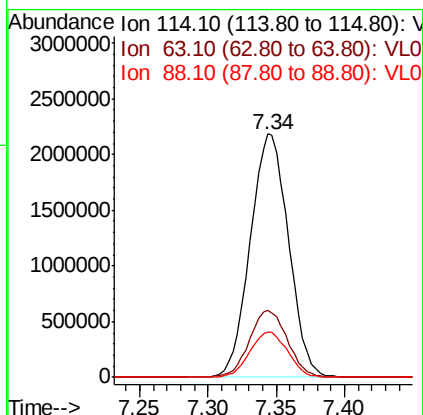
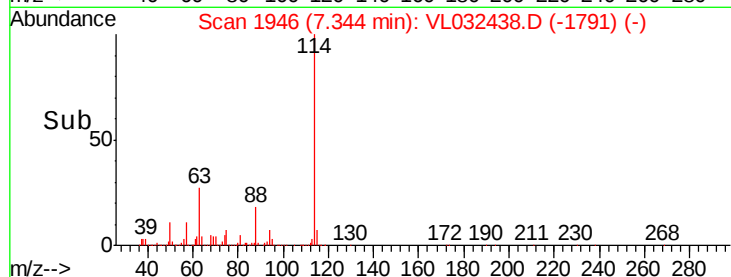
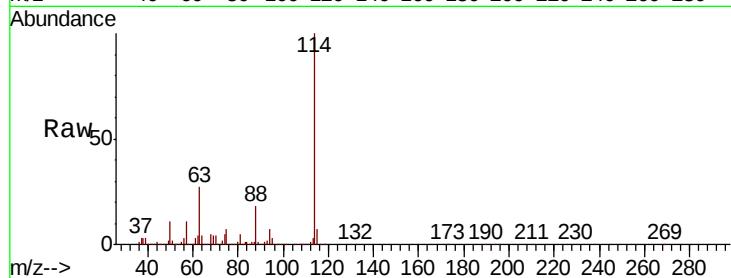
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.1	33.1
88	18.5	15.0	22.6

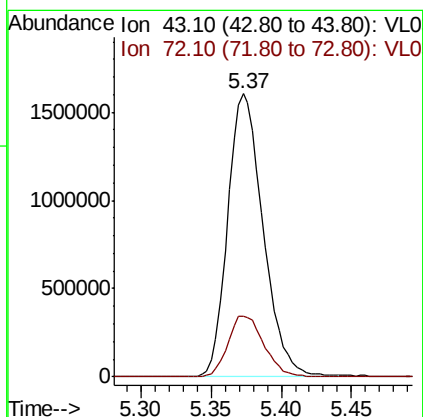
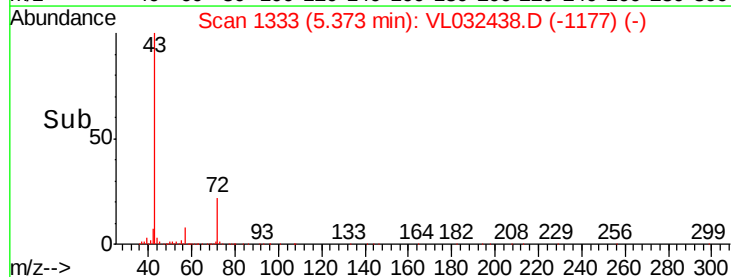
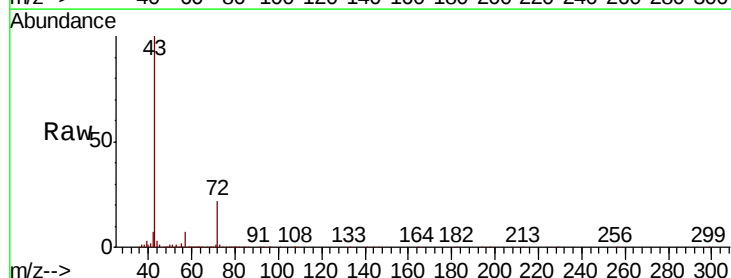
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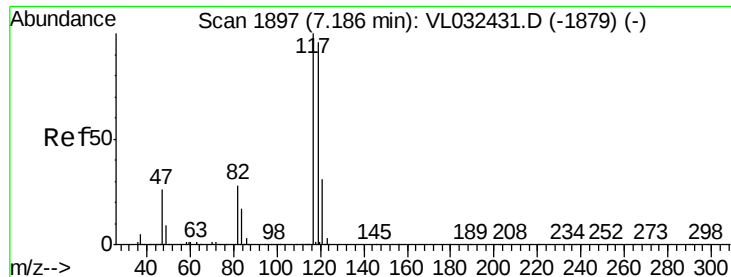
apatel
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#34
 2-Butanone
 Concen: 9.94 ppbv
 RT: 5.37 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6





#35

Carbon Tetrachloride

Concen: 8.96 ppbv

RT: 7.19 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion:117 Resp: 2563772

Ion Ratio Lower Upper

117 100

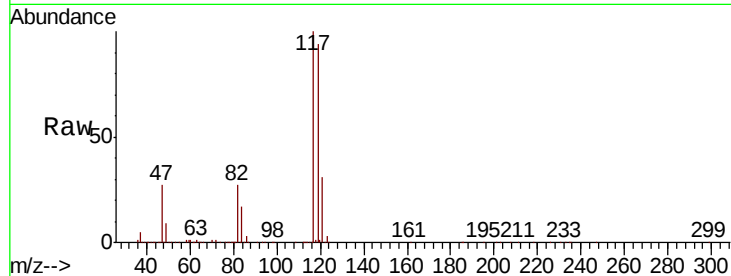
119 94.2 76.6 115.0

121 31.0 24.6 36.8

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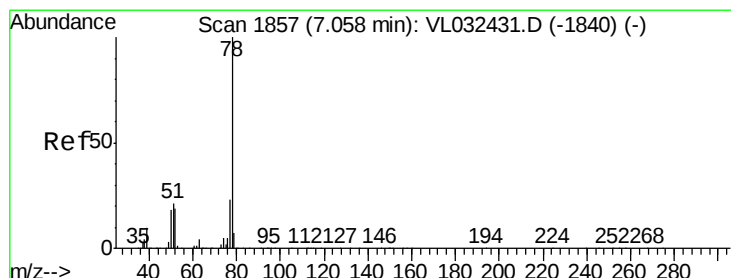
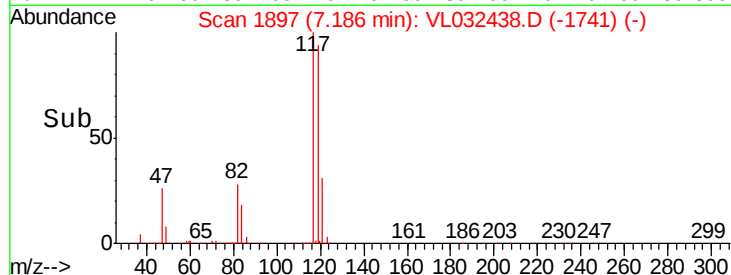
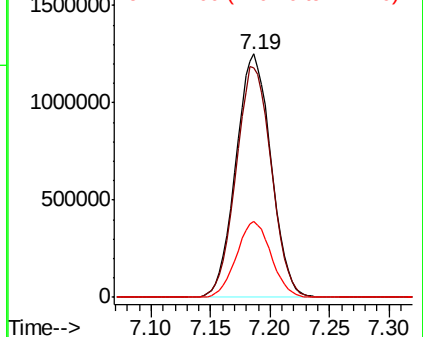
9/4/2018 8:25:50 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.04 ppbv

RT: 7.06 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

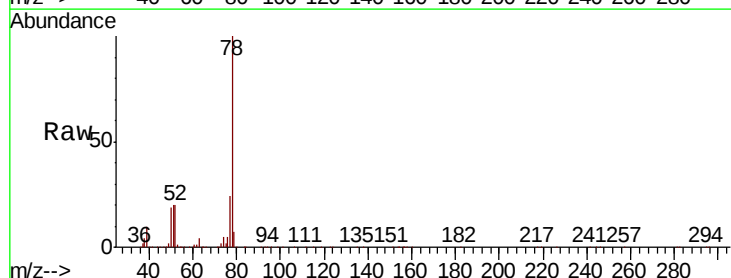
Tgt Ion: 78 Resp: 3636387

Ion Ratio Lower Upper

78 100

77 23.8 18.4 27.6

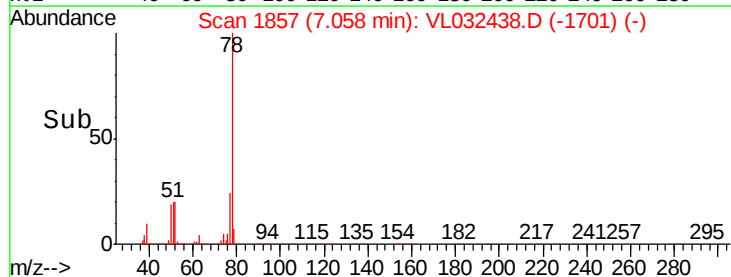
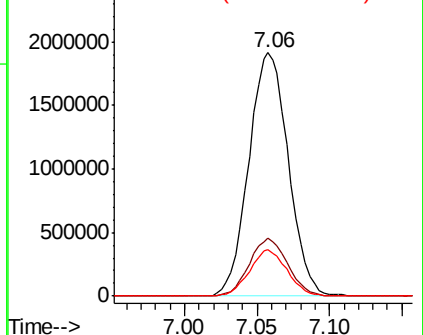
50 19.1 14.4 21.6

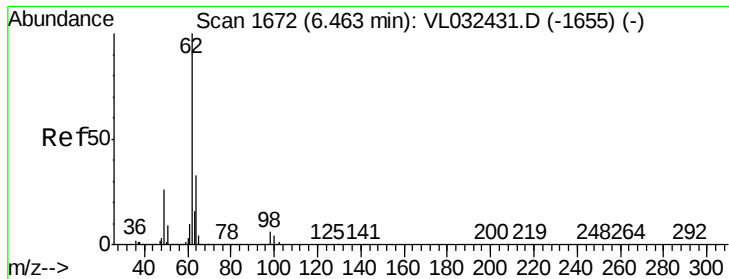


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





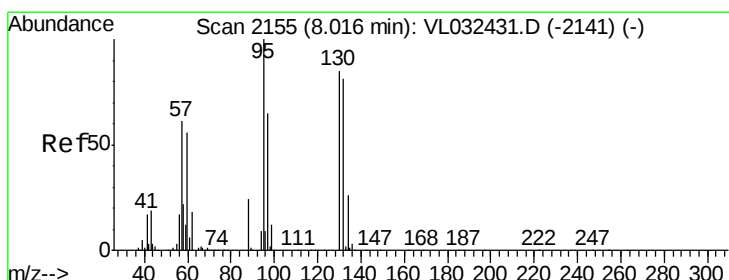
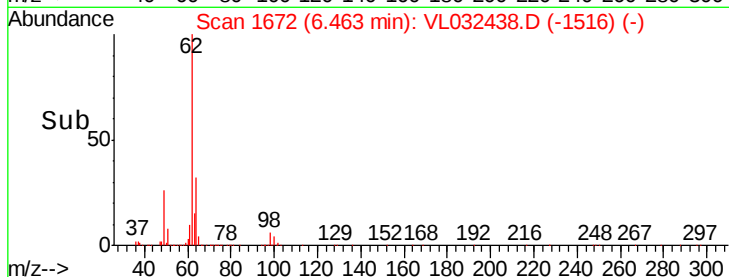
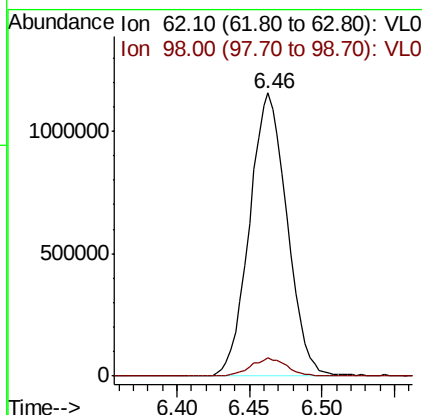
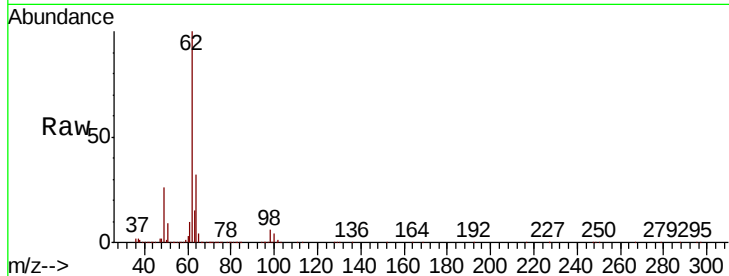
#37
 1,2-Dichloroethane
 Concen: 9.36 ppbv
 RT: 6.46 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.0	7.6

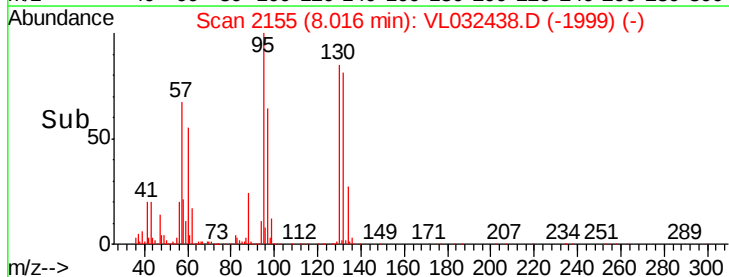
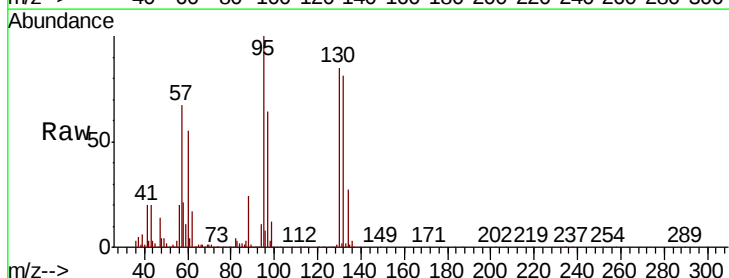
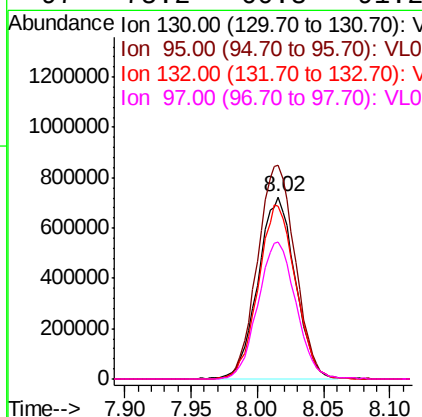
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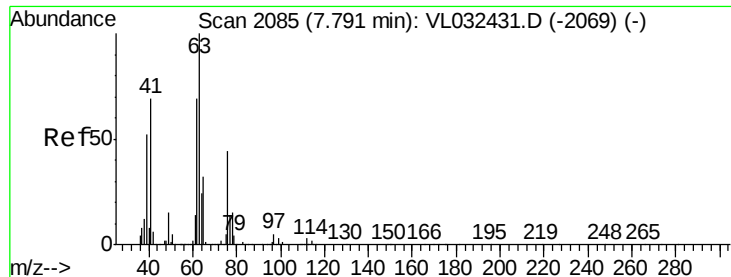
apatel
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#38
 Trichloroethene
 Concen: 10.23 ppbv
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.4	94.2	141.4
132	94.8	76.2	114.4
97	75.2	60.8	91.2





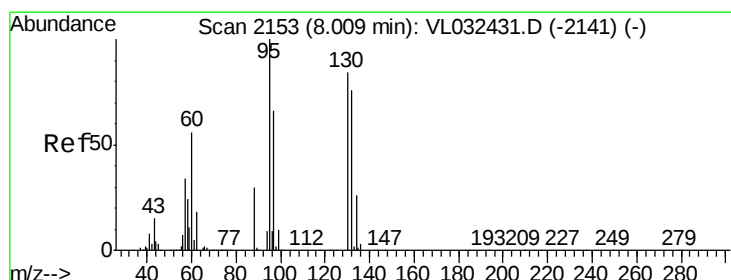
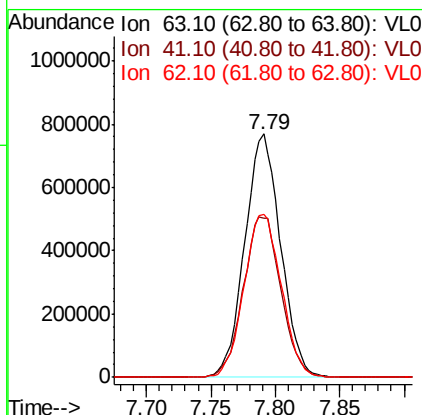
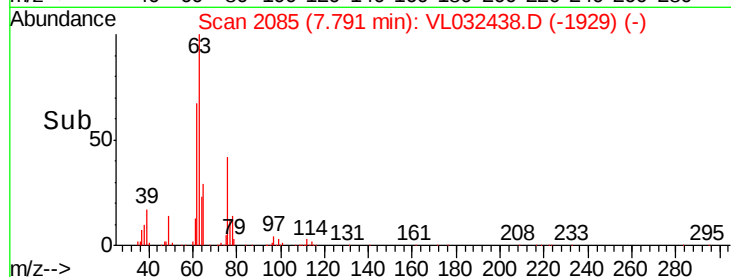
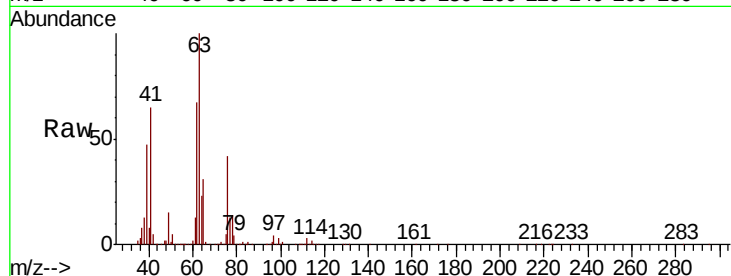
#39
 1,2-Dichloropropane
 Concen: 9.62 ppbv
 RT: 7.79 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.2	55.4	83.0
62	66.7	55.4	83.0

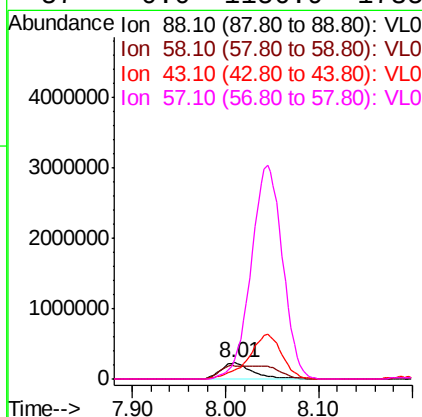
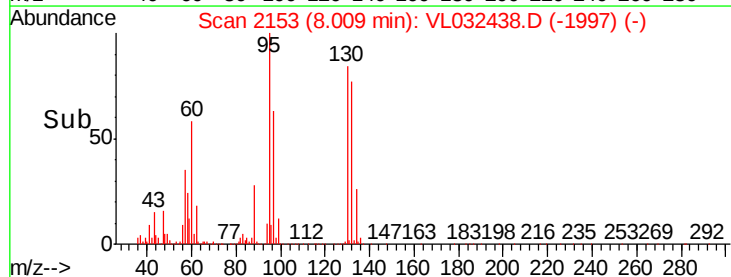
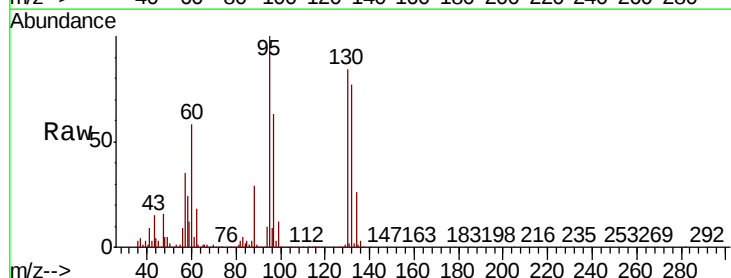
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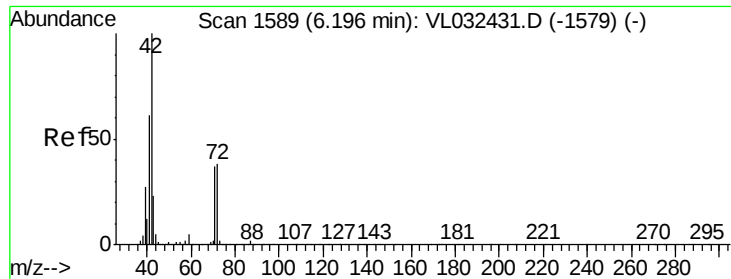
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#40
 1,4-Dioxane
 Concen: 12.11 ppbv m
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

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#





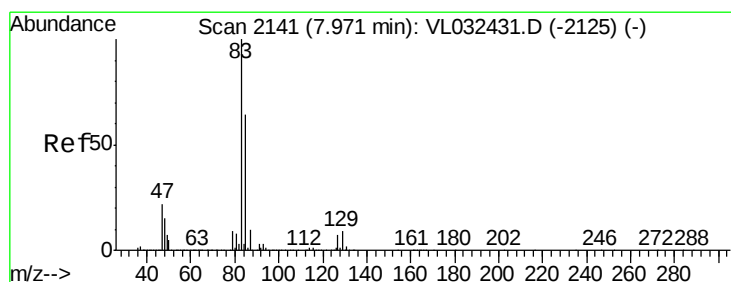
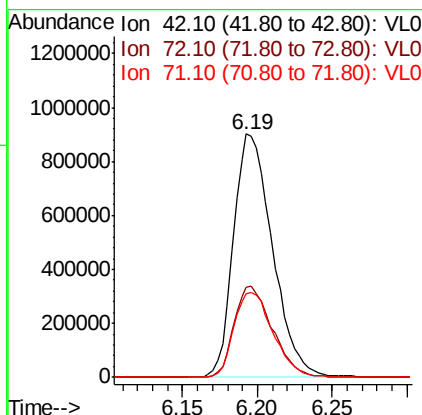
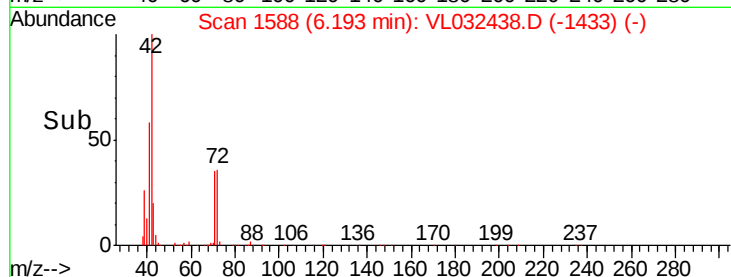
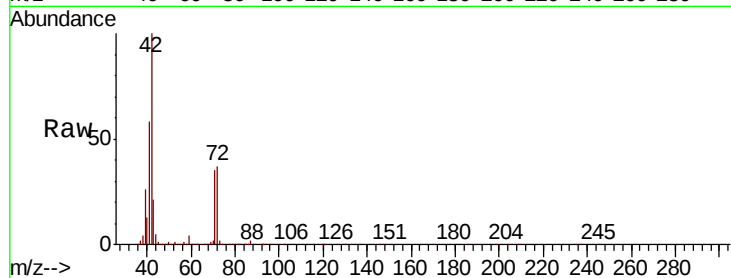
#41
Tetrahydrofuran
Concen: 10.61 ppbv
RT: 6.19 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.5	44.3
71	35.2	28.3	42.5

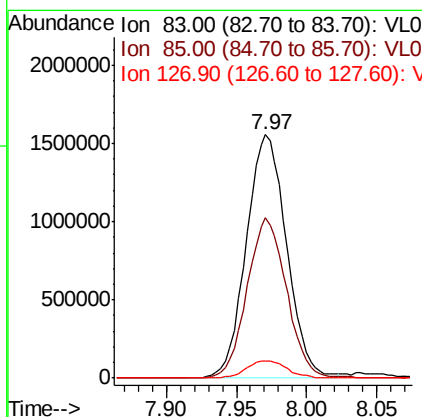
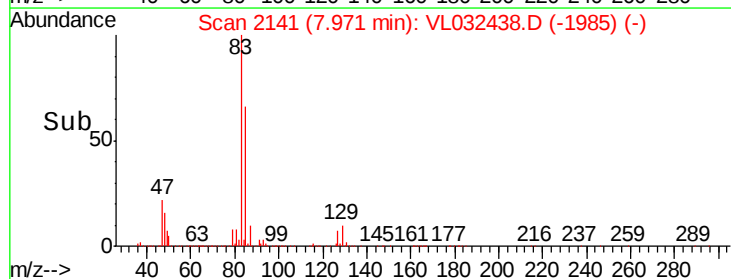
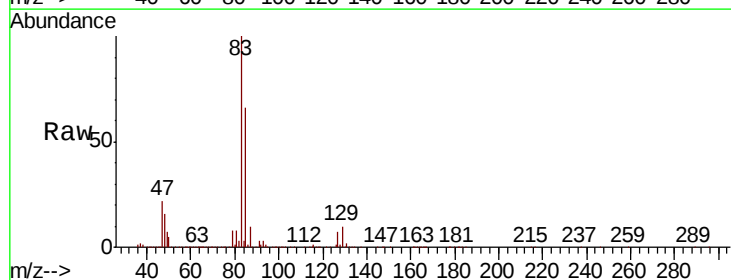
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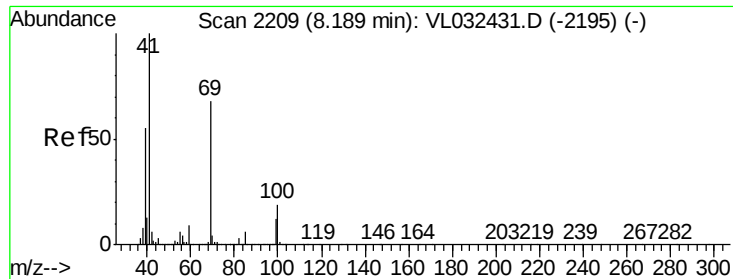
apatel
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#42
Bromodichloromethane
Concen: 10.16 ppbv
RT: 7.97 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.1	76.7
127	7.2	5.8	8.8





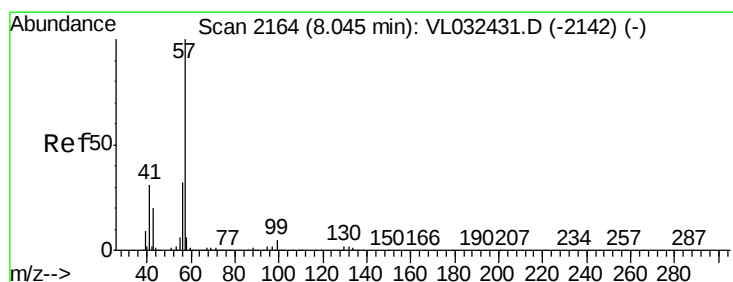
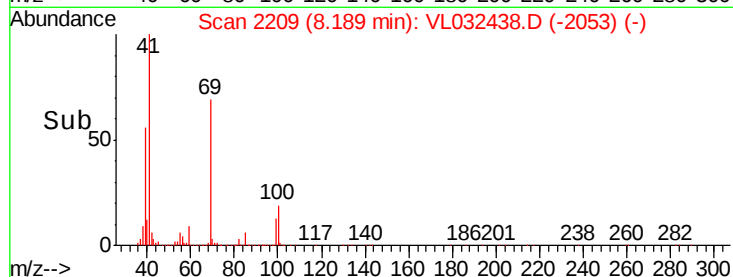
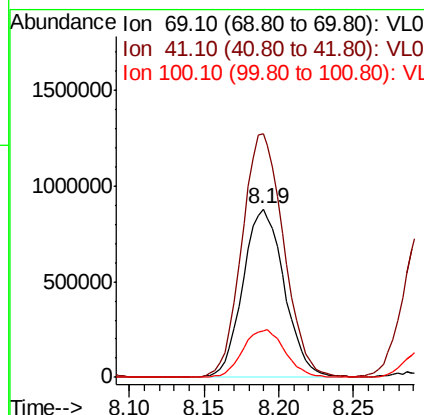
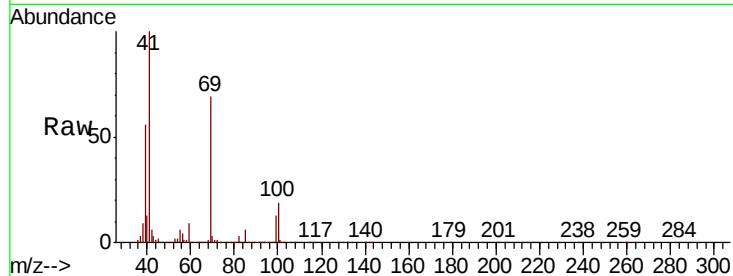
#43
Methyl Methacrylate
Concen: 11.00 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.2	117.2	175.8	
100	29.0	23.4	35.2	

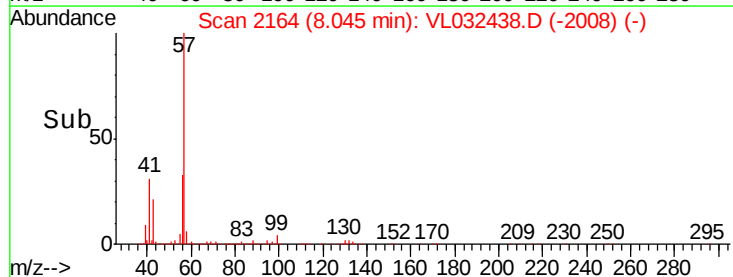
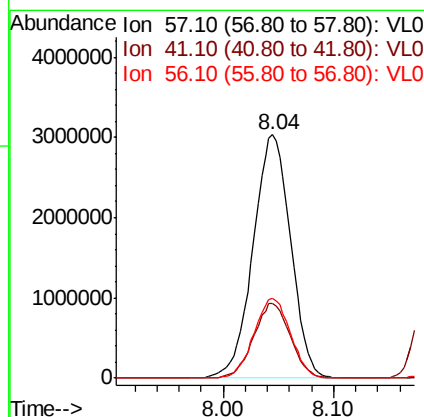
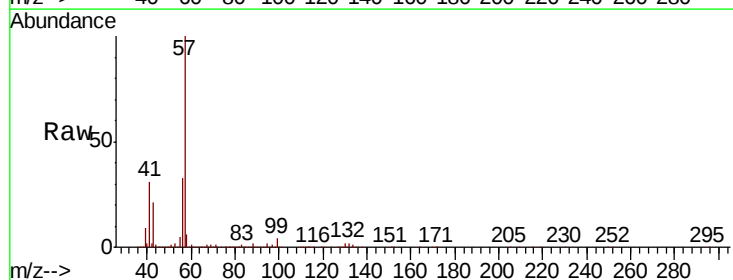
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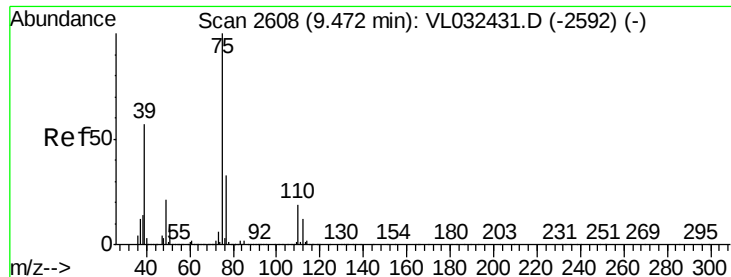
apatel
9/4/2018 8:25:50 AM



#44
2,2,4-Trimethylpentane
Concen: 10.20 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	30.2	24.3	36.5	
56	32.0	25.7	38.5	





#45

t-1,3-Dichloropropene

Concen: 12.22 ppbv

RT: 9.47 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 75 Resp: 2009545

Ion Ratio Lower Upper

75 100

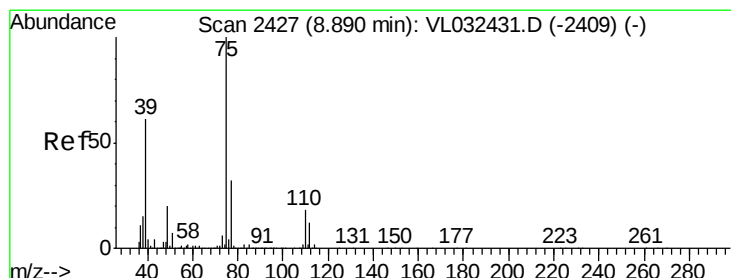
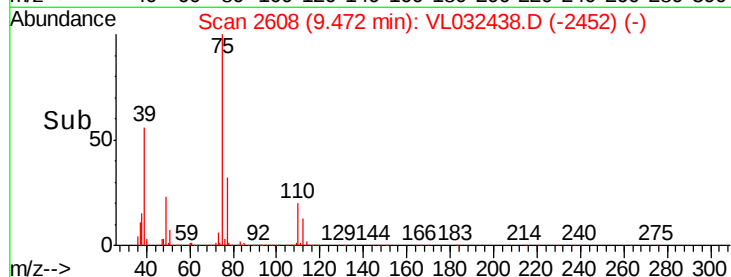
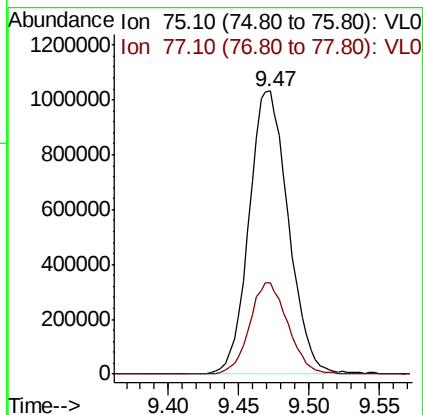
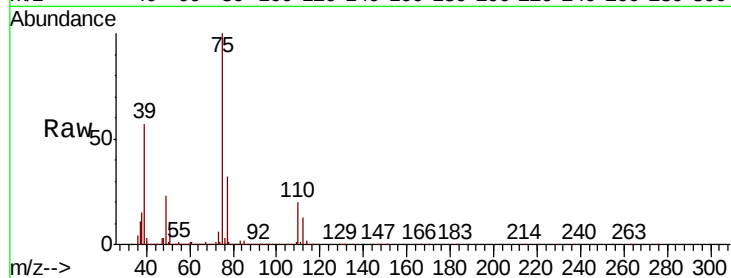
77 32.2 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 11.67 ppbv

RT: 8.89 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

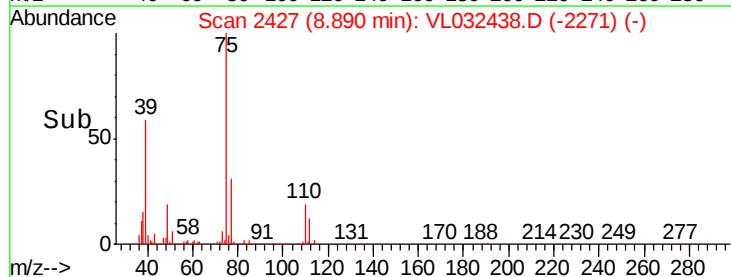
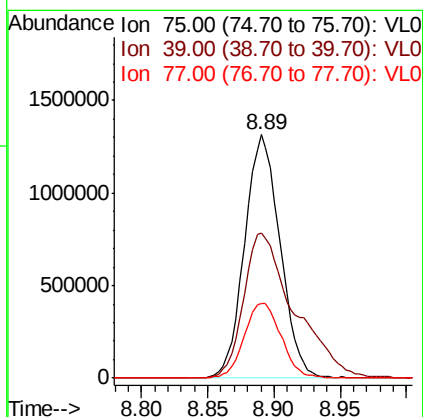
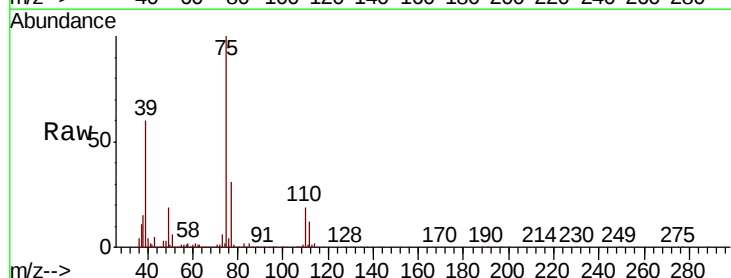
Tgt Ion: 75 Resp: 2452451

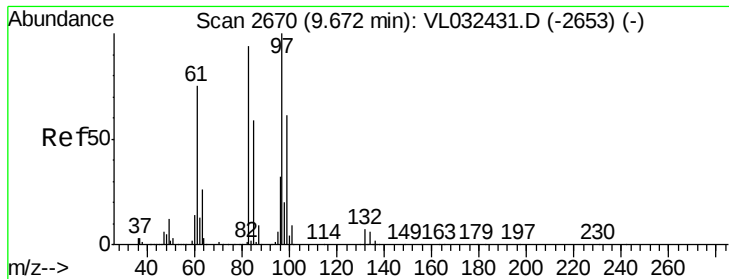
Ion Ratio Lower Upper

75 100

39 59.5 48.9 73.3

77 30.8 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.70 ppbv

RT: 9.67 min Scan# 2670

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 97 Resp: 1598535

Ion Ratio Lower Upper

97 100

83 90.9 75.0 112.4

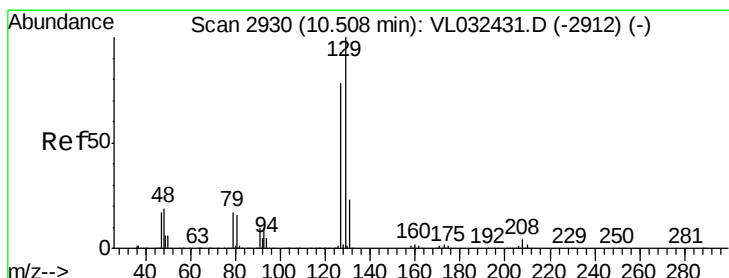
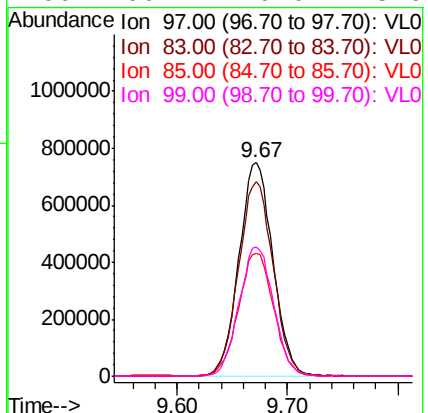
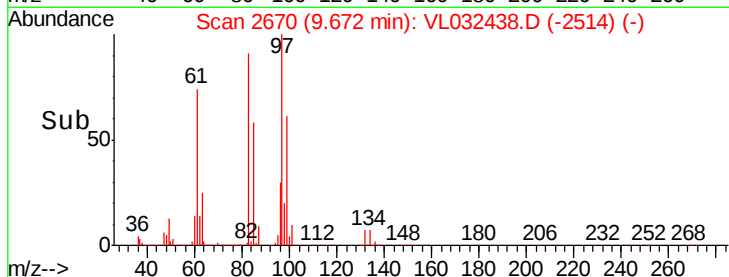
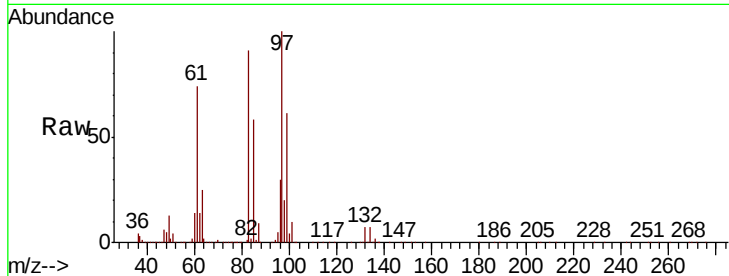
85 57.5 47.5 71.3

99 60.7 49.0 73.6

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#48

Dibromochloromethane

Concen: 9.77 ppbv

RT: 10.51 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VL032438.D

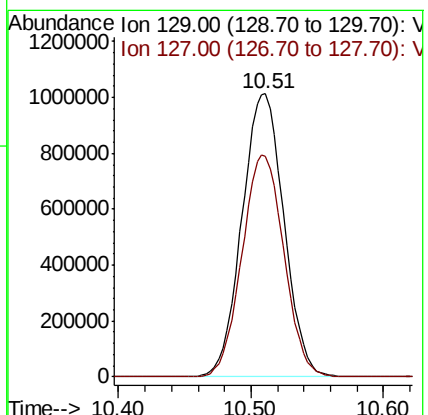
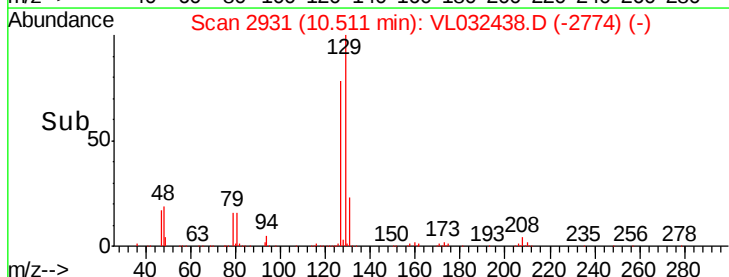
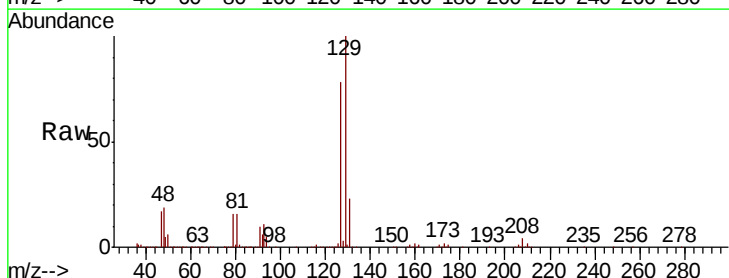
Acq: 31 Aug 2018 5:44

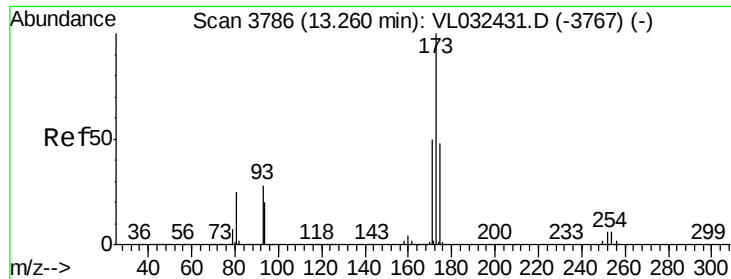
Tgt Ion: 129 Resp: 2230569

Ion Ratio Lower Upper

129 100

127 78.7 39.5 118.3





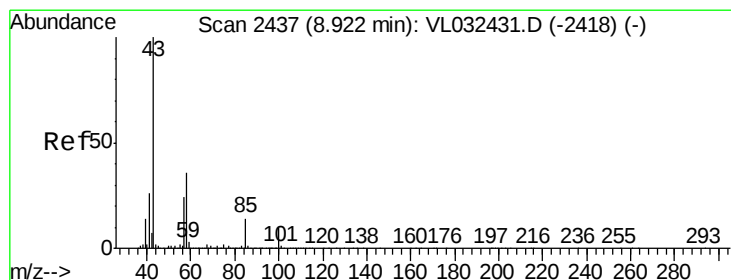
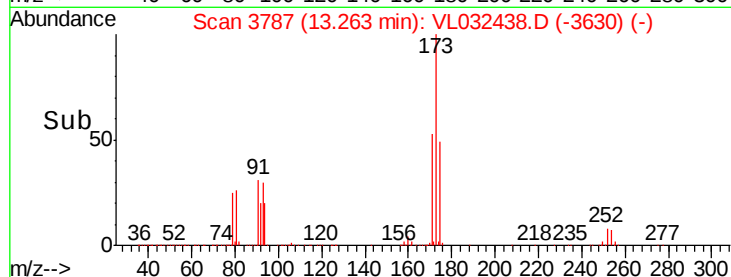
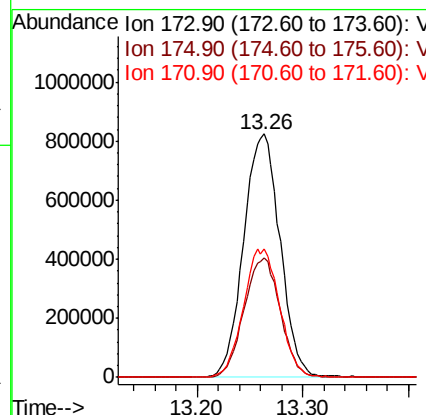
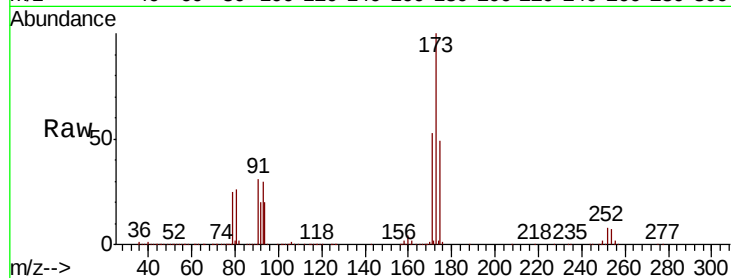
#49
Bromoform
Concen: 9.98 ppbv
RT: 13.26 min Scan# 3787
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.9	58.3
171	52.3	41.6	62.4

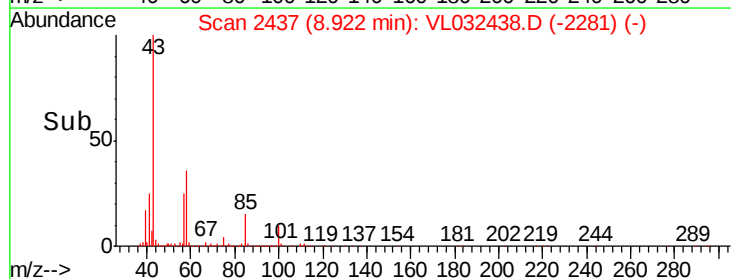
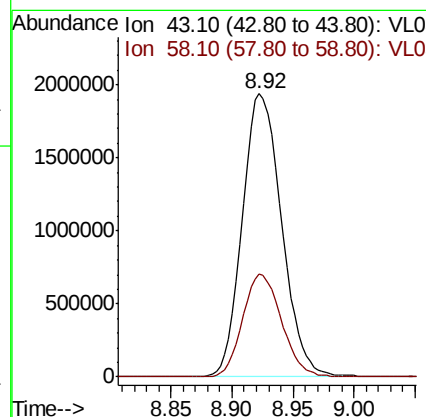
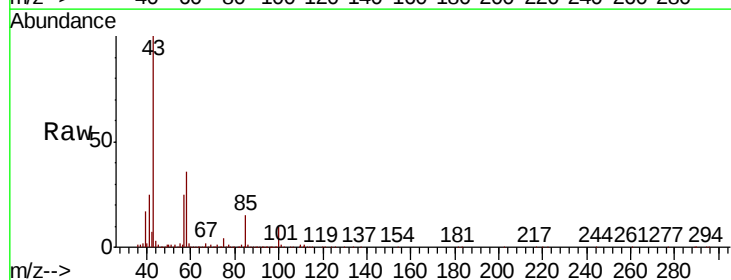
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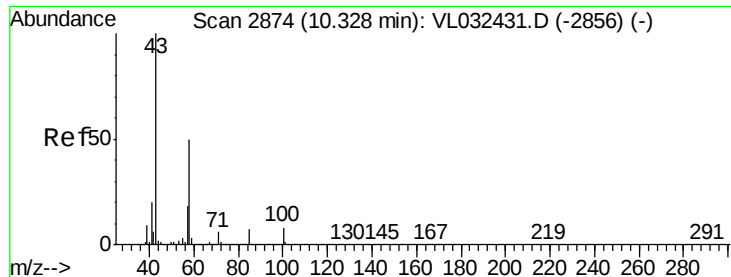
apatel
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#50
4-Methyl-2-Pentanone
Concen: 10.13 ppbv
RT: 8.92 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3





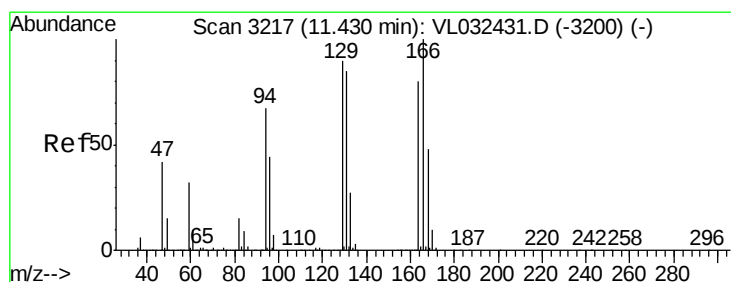
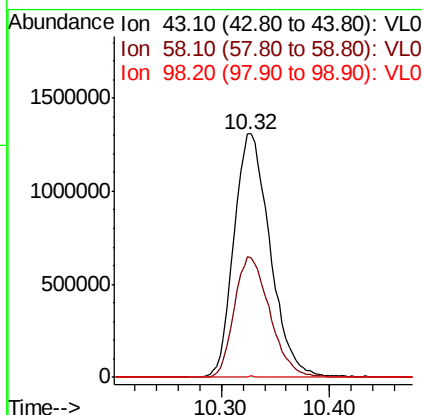
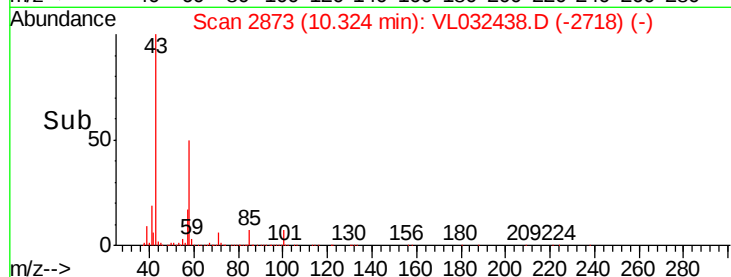
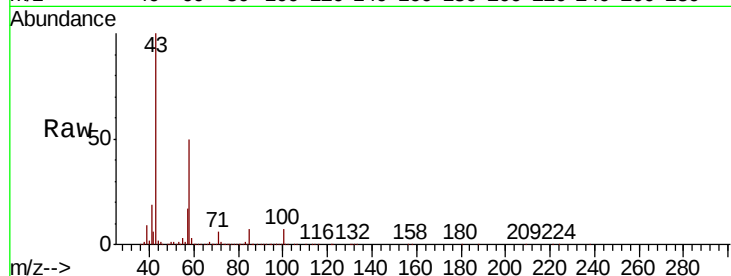
#51
2-Hexanone
Concen: 11.14 ppbv
RT: 10.32 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion: 43 Resp: 3055567
Ion Ratio Lower Upper
43 100
58 48.8 39.2 58.8
98 0.6 0.4 0.6

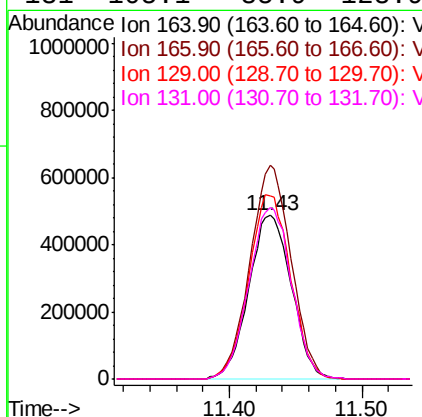
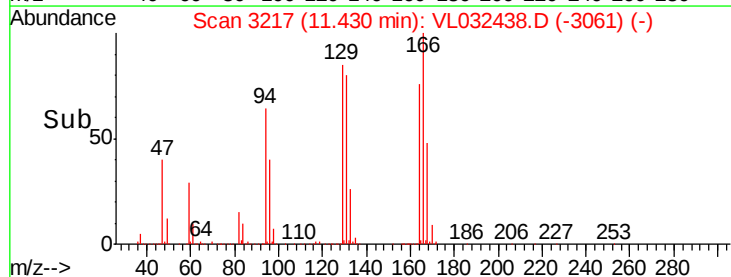
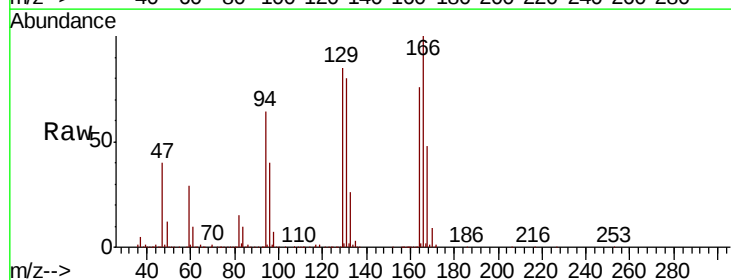
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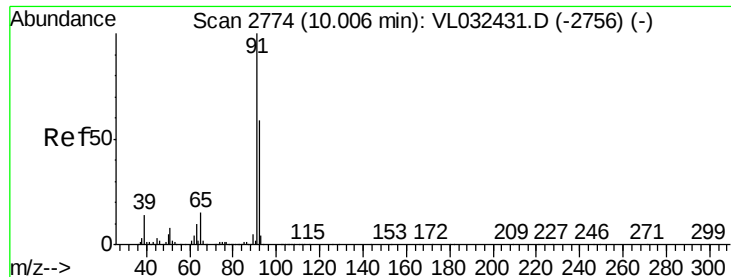
apatel
9/4/2018 8:25:50 AM



#52
Tetrachloroethene
Concen: 9.68 ppbv
RT: 11.43 min Scan# 3217
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion: 164 Resp: 1087330
Ion Ratio Lower Upper
164 100
166 130.8 100.6 150.8
129 111.7 89.9 134.9
131 105.1 85.9 128.9





#53

Toluene

Concen: 10.56 ppbv

RT: 10.00 min Scan# 2773

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 91 Resp: 3998318

Ion Ratio Lower Upper

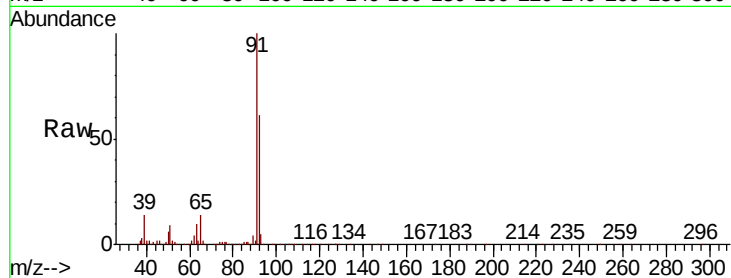
91 100

92 60.2 48.1 72.1

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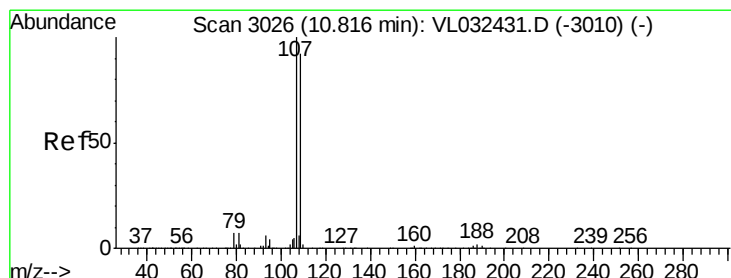
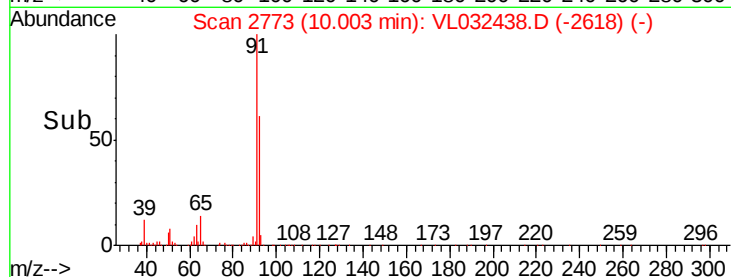
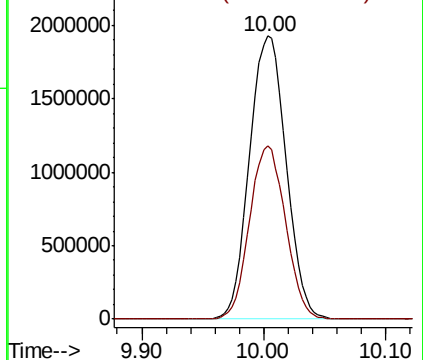
apatel

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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: 10.68 ppbv

RT: 10.82 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VL032438.D

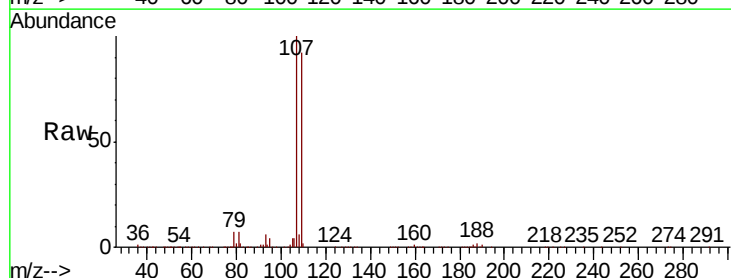
Acq: 31 Aug 2018 5:44

Tgt Ion: 107 Resp: 2363211

Ion Ratio Lower Upper

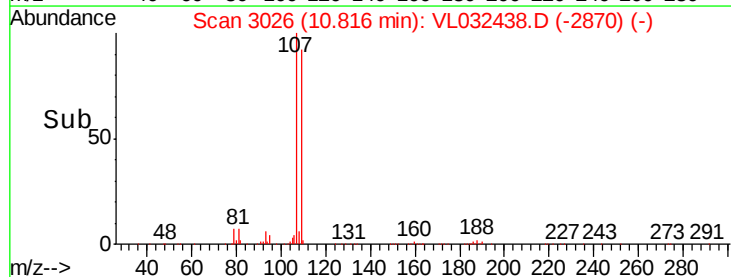
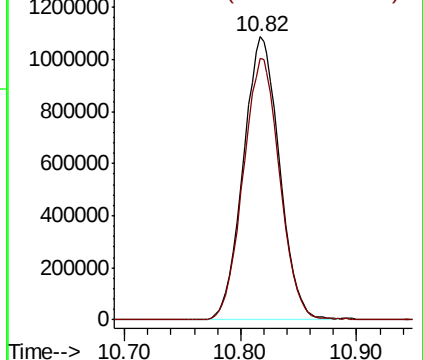
107 100

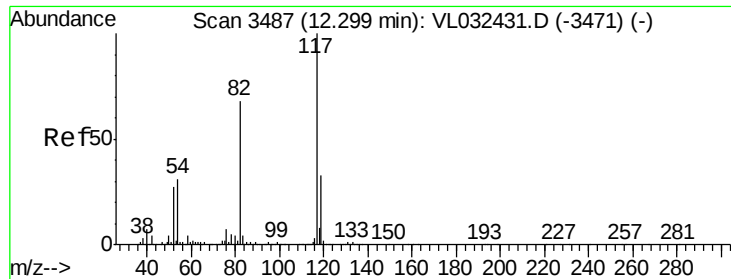
109 92.4 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





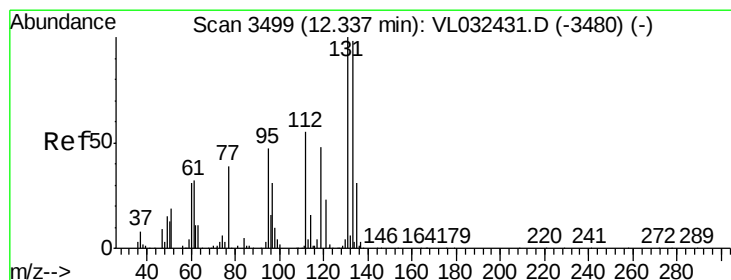
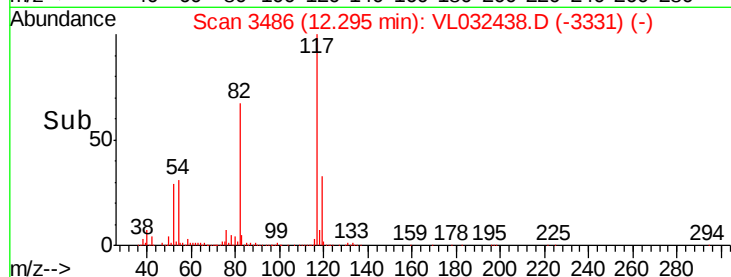
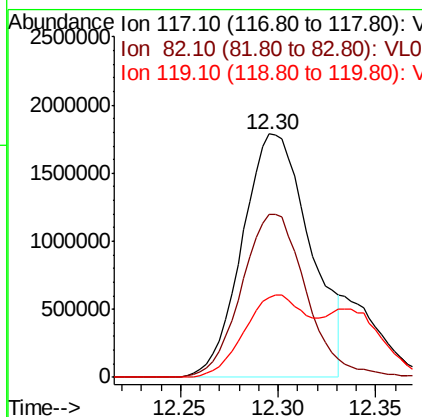
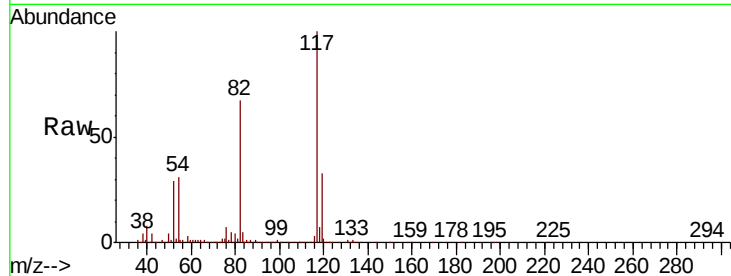
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.6	51.5	77.3
119	55.9	44.6	66.8

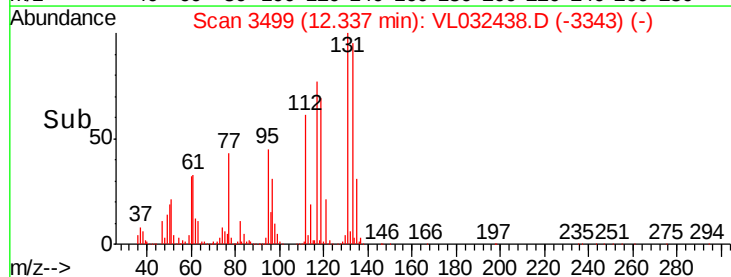
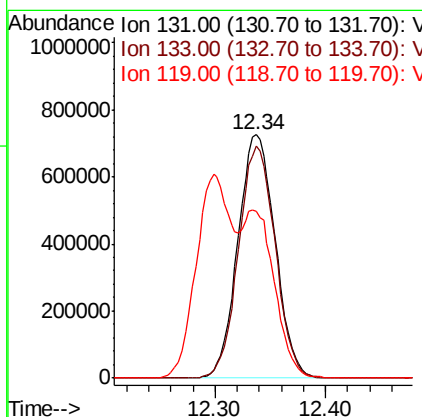
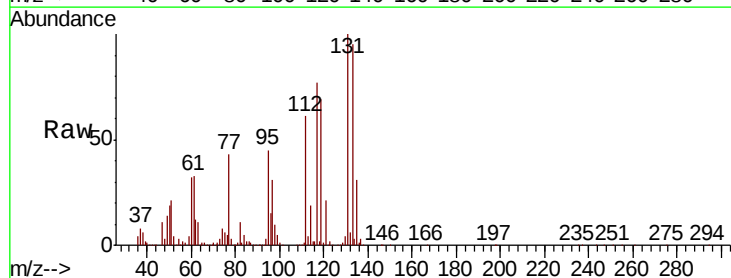
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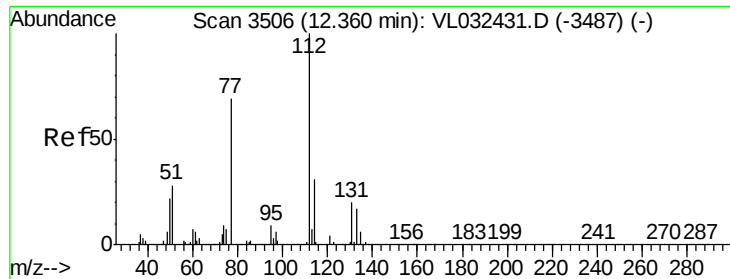
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.71 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	77.0	115.4
119	142.5	48.9	73.3#





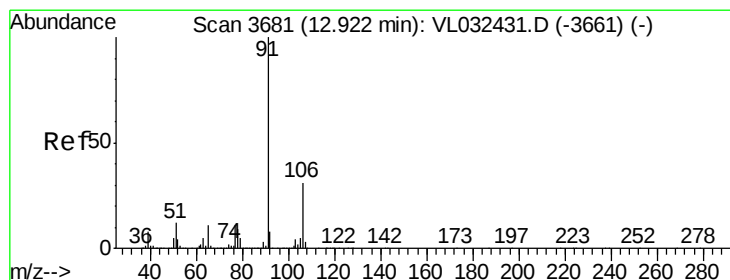
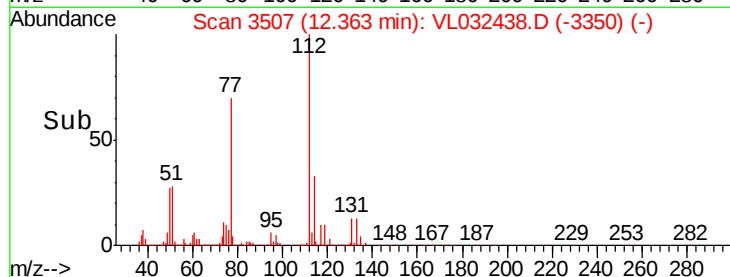
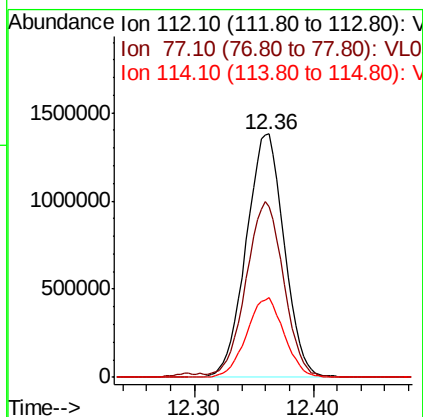
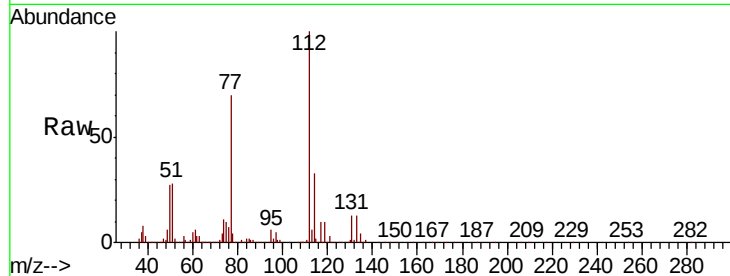
#57
Chlorobenzene
Concen: 8.83 ppbv
RT: 12.36 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.9	56.1	84.1
114	32.7	27.8	34.0

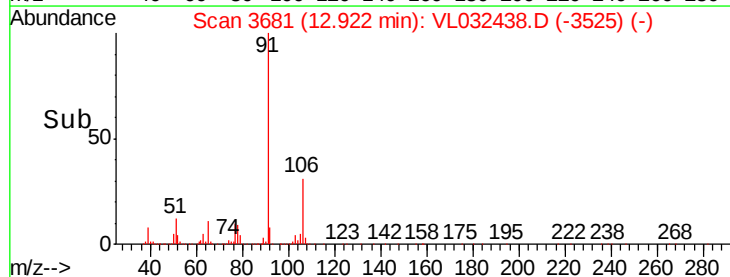
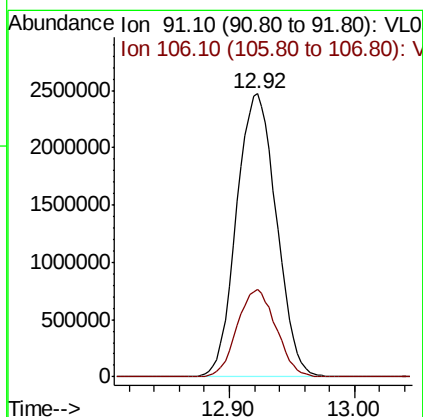
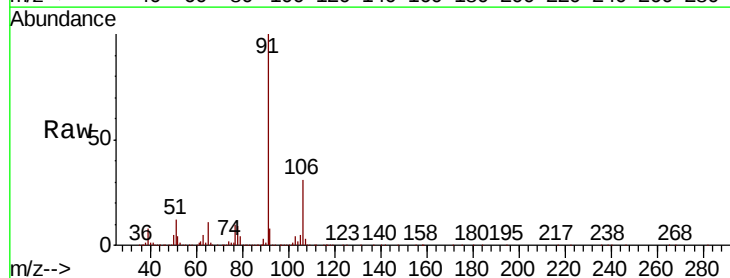
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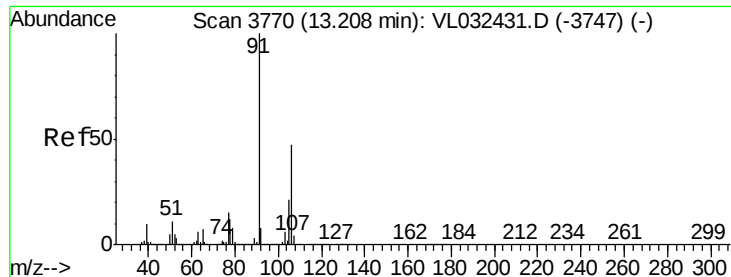
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#58
Ethyl Benzene
Concen: 10.58 ppbv
RT: 12.92 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2





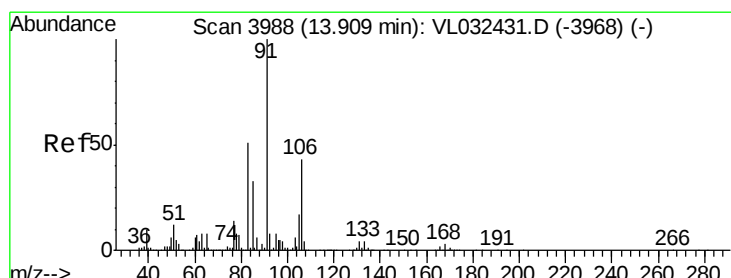
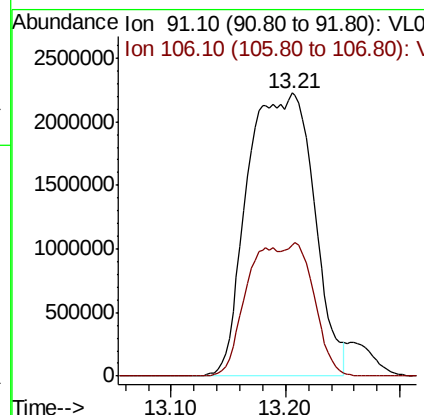
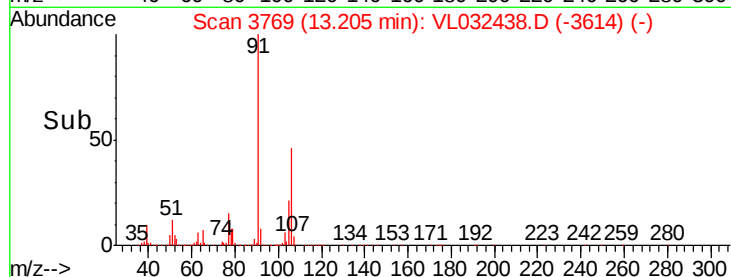
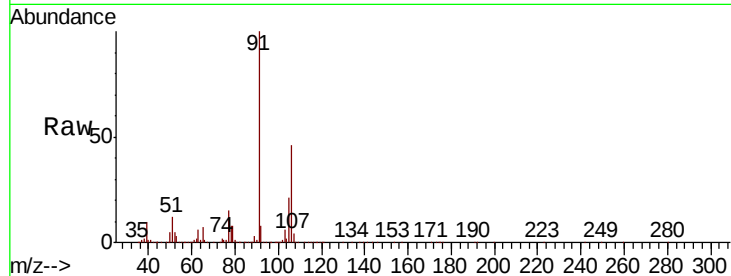
#59
m/p-Xylene
Concen: 18.71 ppbv m
RT: 13.21 min Scan# 3769
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion: 91 Resp: 8958620
Ion Ratio Lower Upper
91 100
106 46.0 35.0 52.6

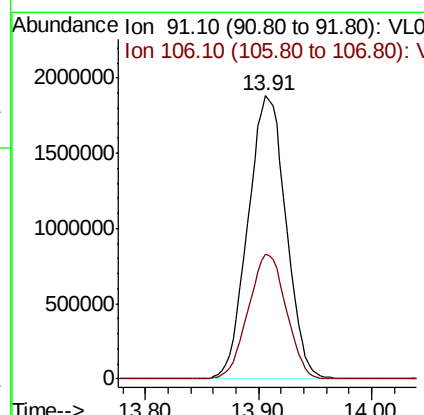
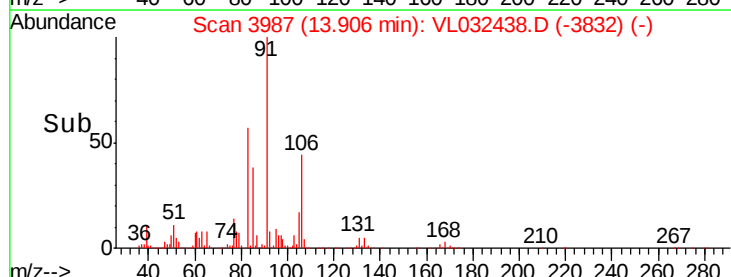
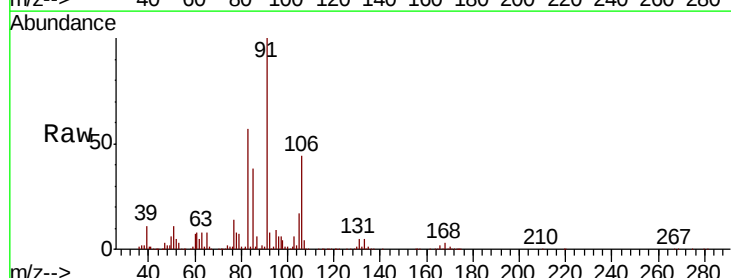
Manual Integrations
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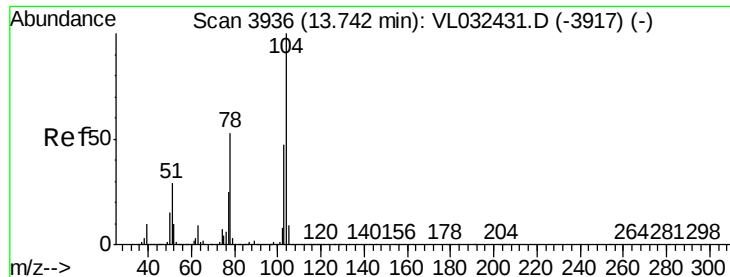
apatel
9/4/2018 8:25:50 AM



#60
o-Xylene
Concen: 9.71 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion: 91 Resp: 4395607
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





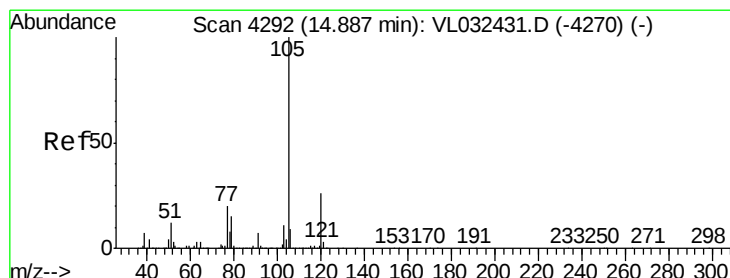
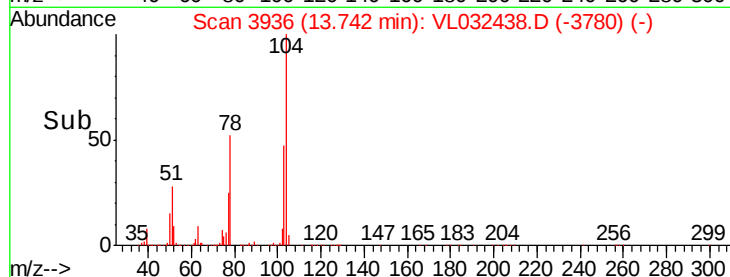
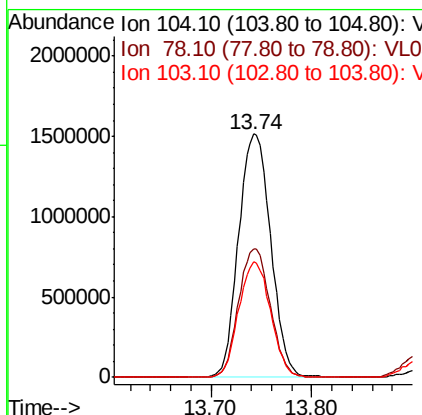
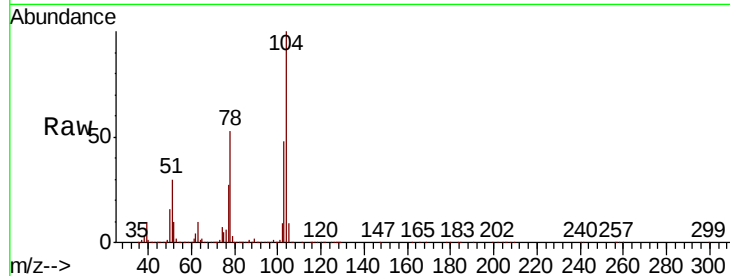
#61
Stvrene
Concen: 11.43 ppbv
RT: 13.74 min Scan# 3936
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.8	62.8
103	47.2	38.0	57.0

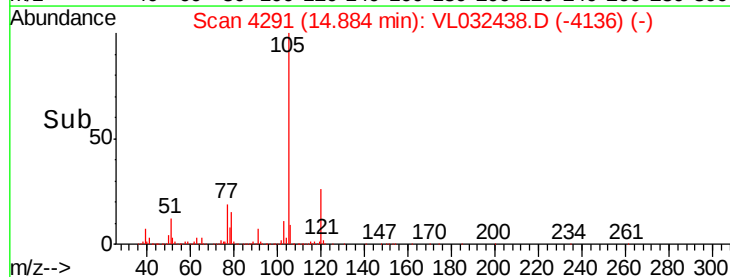
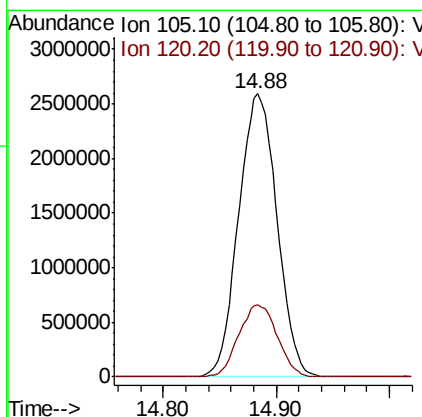
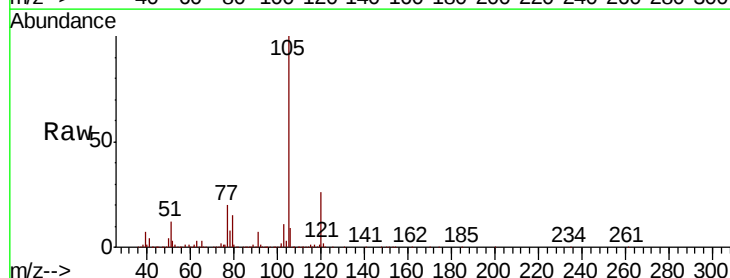
Manual Integrations
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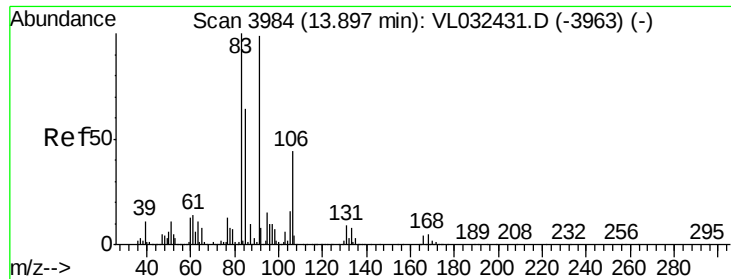
apatel
9/4/2018 8:25:50 AM



#62
Isopropylbenzene
Concen: 9.60 ppbv
RT: 14.88 min Scan# 4291
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0





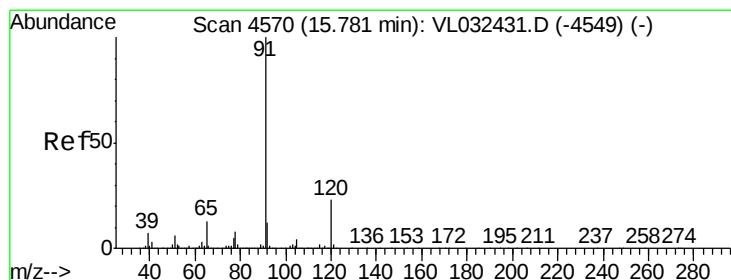
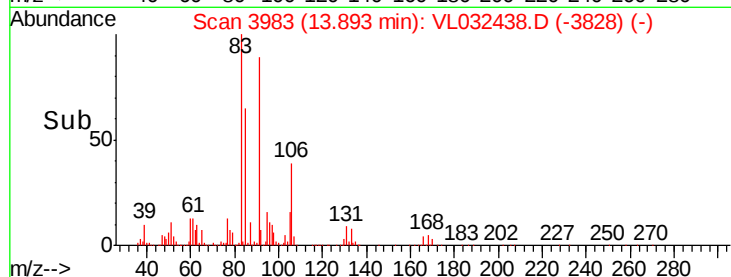
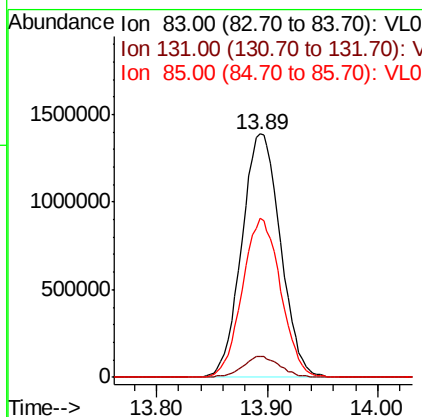
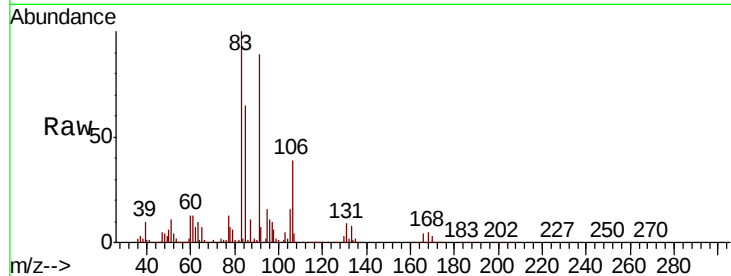
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.34 ppbv
 RT: 13.89 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	83	Resp	3375738
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.3	12.8
85	64.9	32.3	96.8

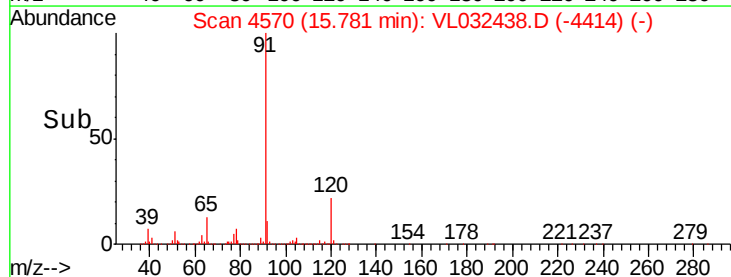
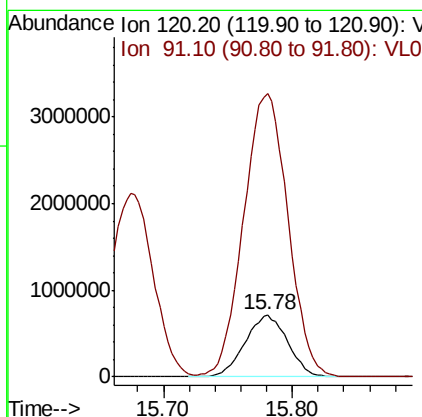
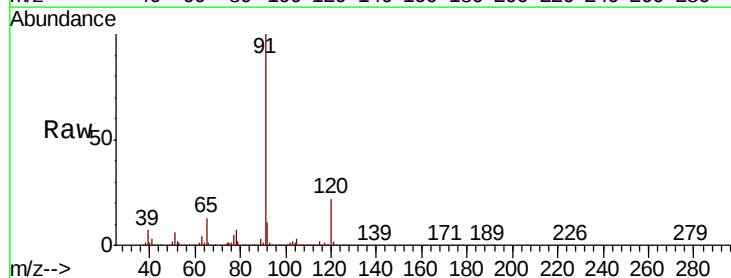
Manual Integrations
 APPROVED

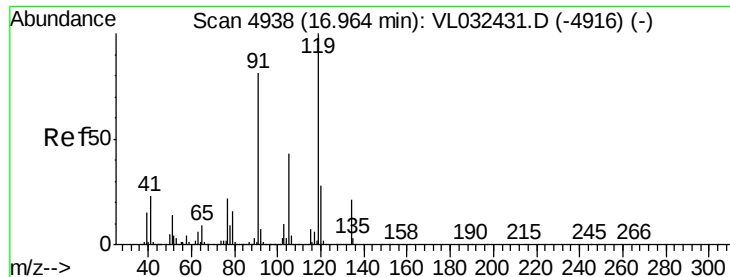
apatel
 9/4/2018 8:25:50 AM



#64
 n-propylbenzene
 Concen: 9.82 ppbv
 RT: 15.78 min Scan# 4570
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	120	Resp	1632685
Ion Ratio	Lower	Upper	
120	100		
91	479.2	381.8	572.6





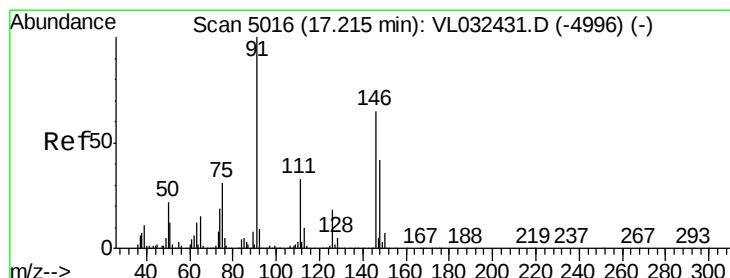
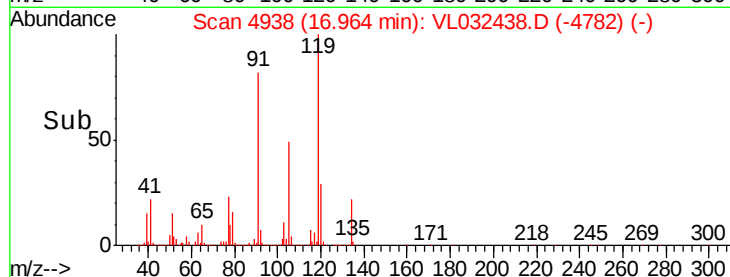
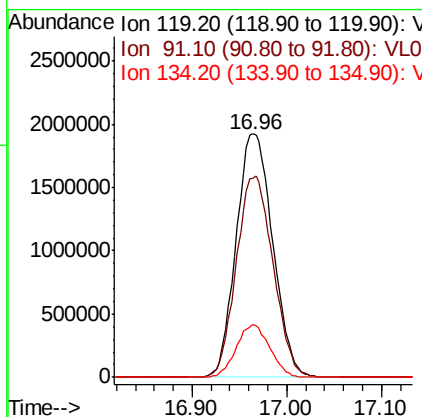
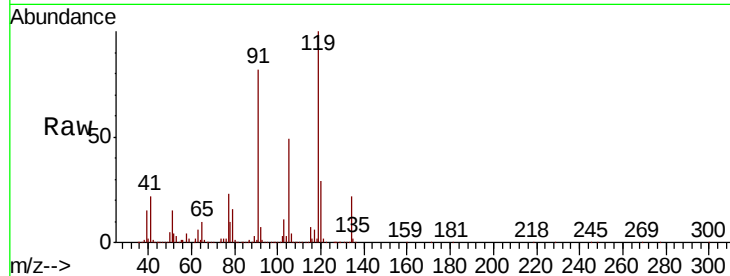
#65
tert-Butylbenzene
Concen: 9.42 ppbv
RT: 16.96 min Scan# 4938
Delta R.T. 0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Instrument :
MSVOA_L
ClientSampleId :
ICVVL083118

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.5	99.7
134	19.8	16.0	24.0

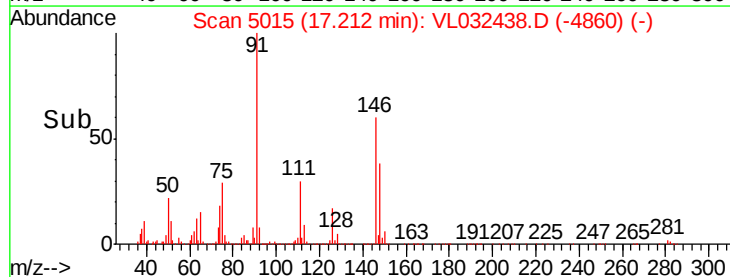
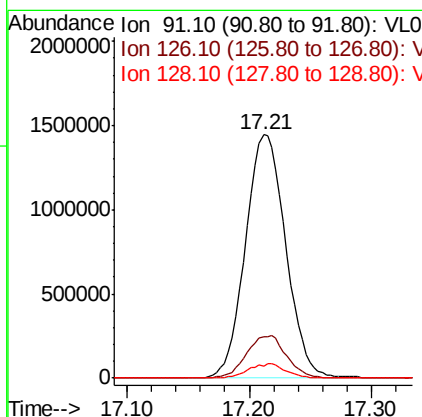
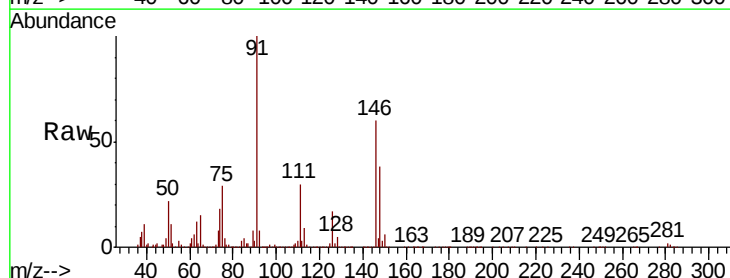
Manual Integrations
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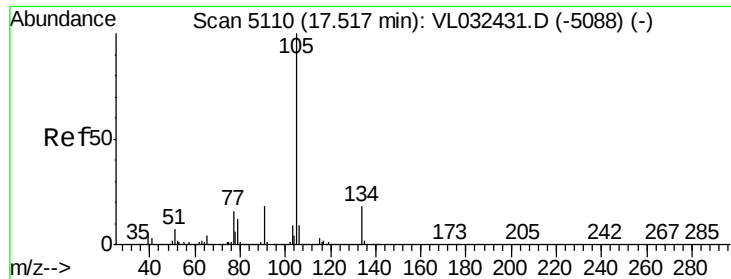
apatel
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#66
Benzyl Chloride
Concen: 10.78 ppbv
RT: 17.21 min Scan# 5015
Delta R.T. -0.00 min
Lab File: VL032438.D
Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.5	13.8	20.8
128	5.5	4.4	6.6





#67

sec-Butylbenzene

Concen: 9.45 ppbv

RT: 17.51 min Scan# 5109

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion:105 Resp: 7787418

Ion Ratio Lower Upper

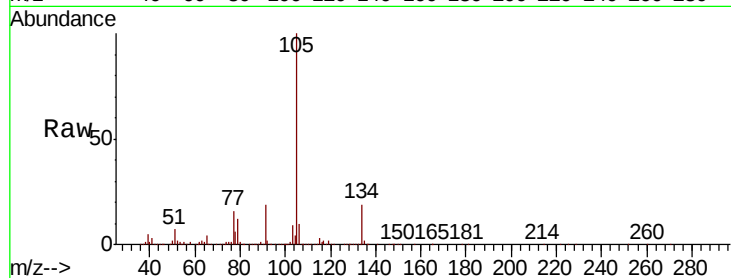
105 100

134 17.9 14.4 21.6

Manual Integrations
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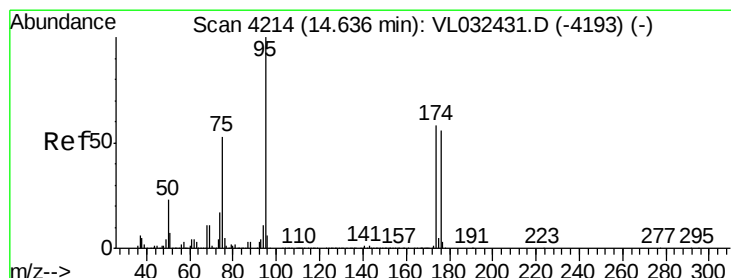
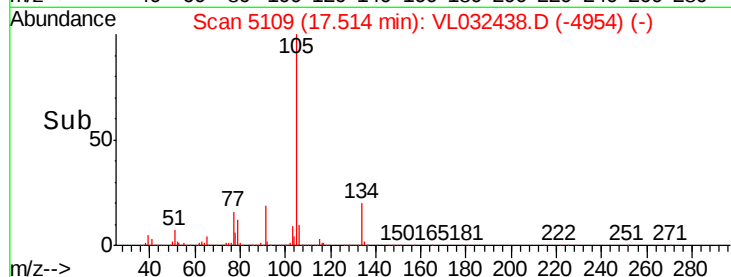
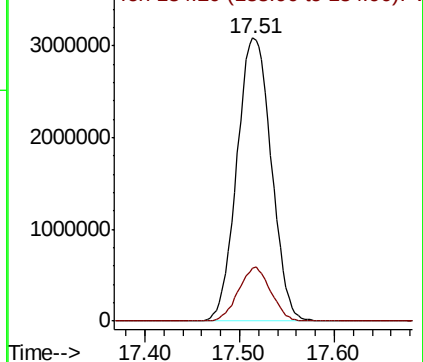
apatel

9/4/2018 8:25:50 AM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.68 ppbv

RT: 14.64 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

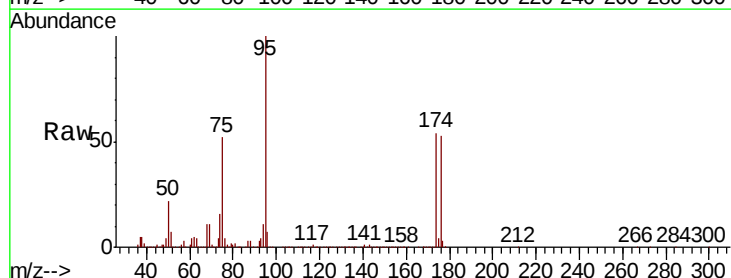
Tgt Ion: 95 Resp: 3103405

Ion Ratio Lower Upper

95 100

174 57.4 46.3 69.5

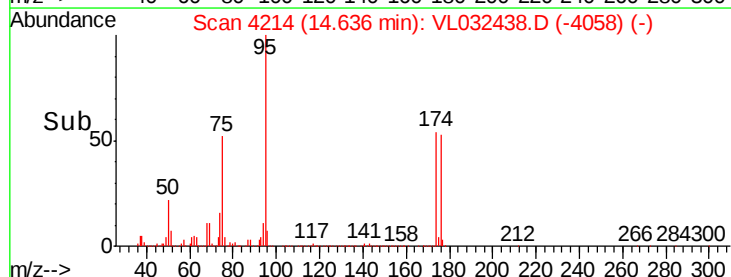
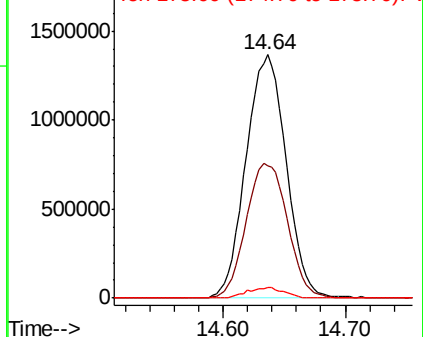
175 4.2 3.4 5.0

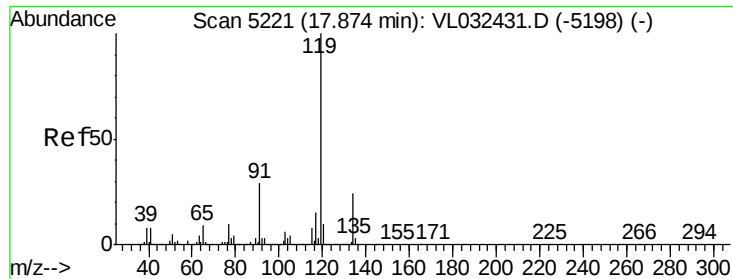


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





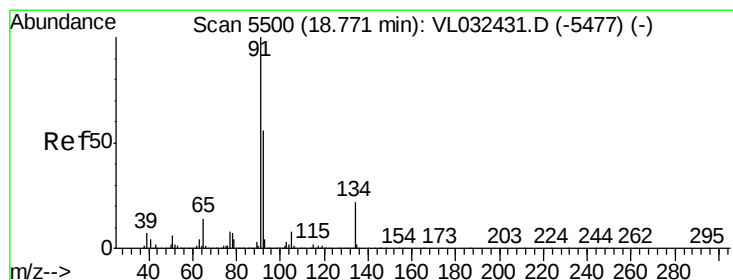
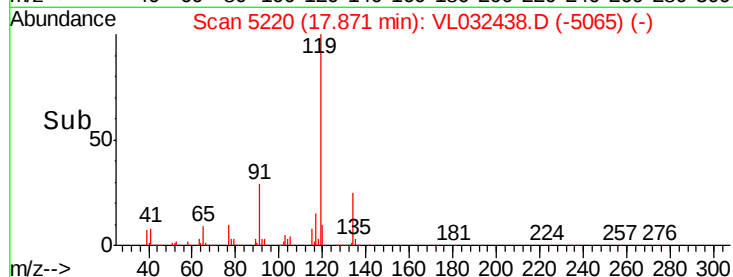
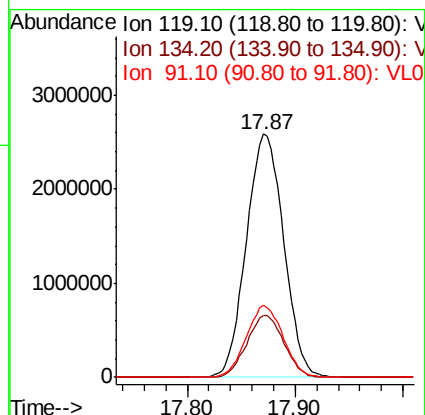
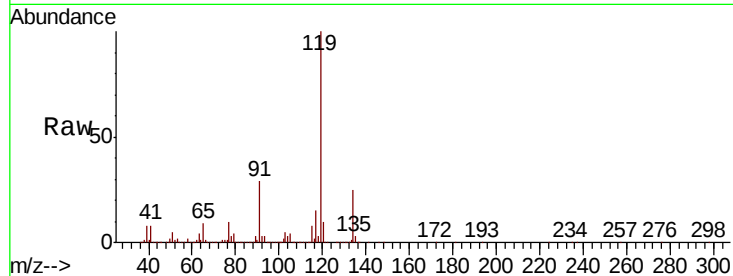
#69
 p-Isopropyltoluene
 Concen: 9.75 ppbv
 RT: 17.87 min Scan# 5220
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.2	23.4	35.0

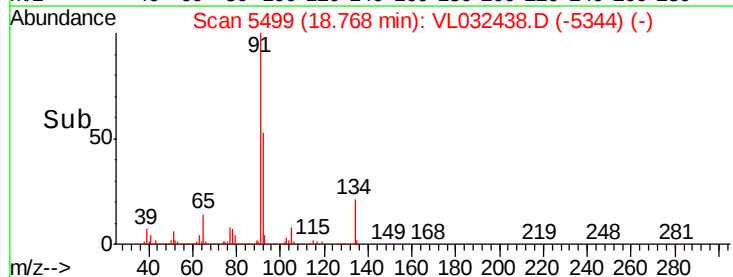
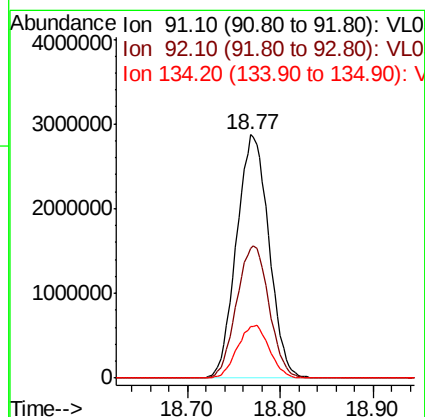
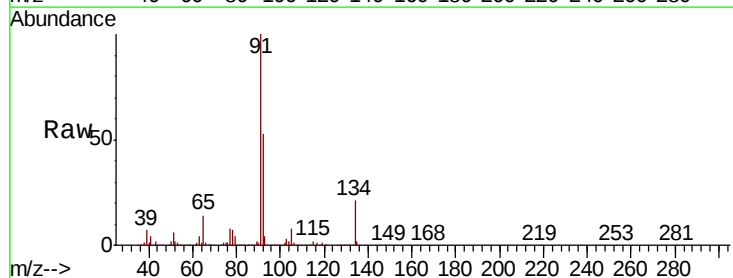
Manual Integrations
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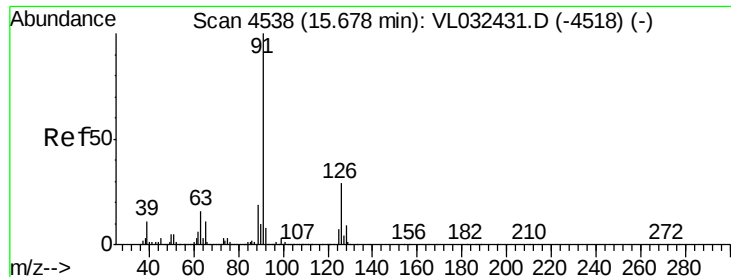
apatel
 9/4/2018 8:25:50 AM



#70
 n-Butylbenzene
 Concen: 9.58 ppbv
 RT: 18.77 min Scan# 5499
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.8
134	21.4	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.12 ppbv

RT: 15.67 min Scan# 4537

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion: 91 Resp: 4918303

Ion Ratio Lower Upper

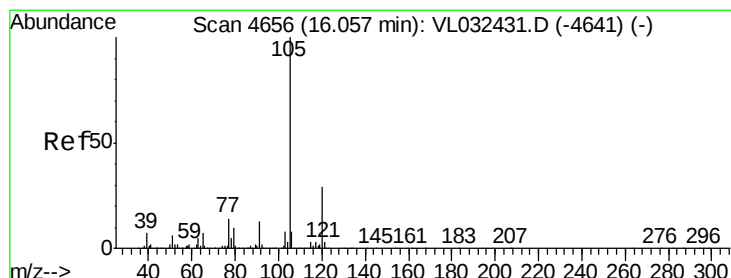
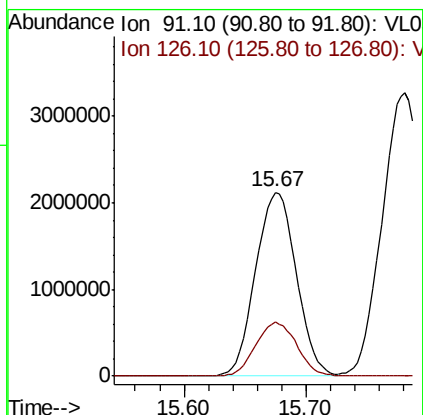
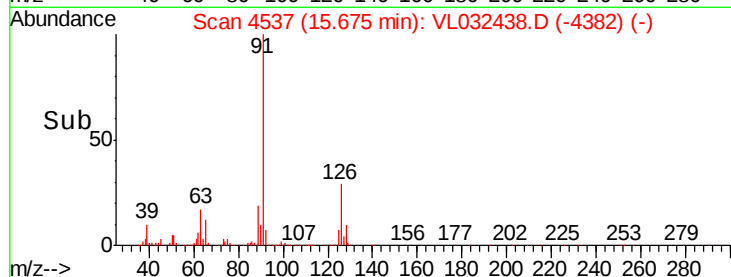
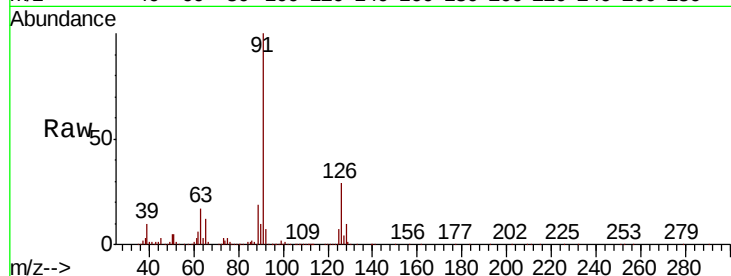
91 100

126 29.5 11.9 47.7

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#72

4-Ethyltoluene

Concen: 10.46 ppbv

RT: 16.06 min Scan# 4656

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tgt Ion:105 Resp: 5166649

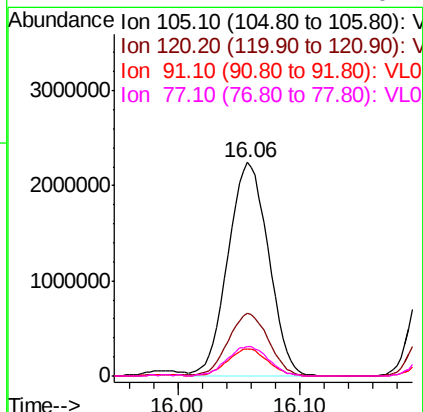
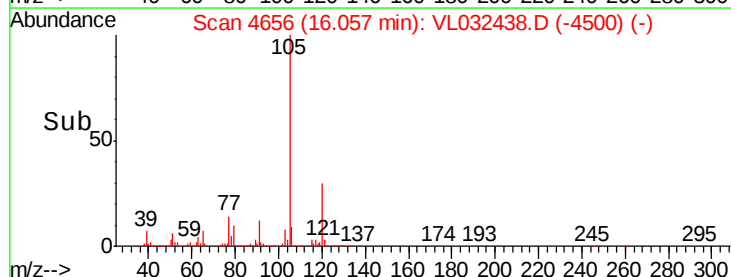
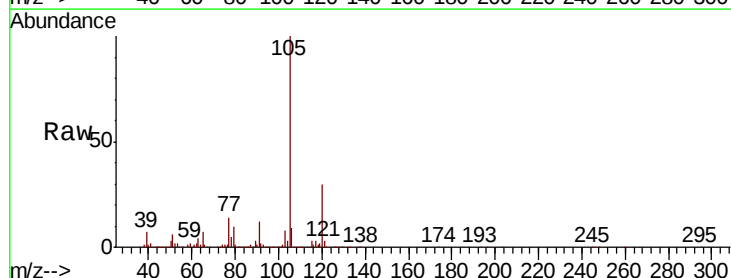
Ion Ratio Lower Upper

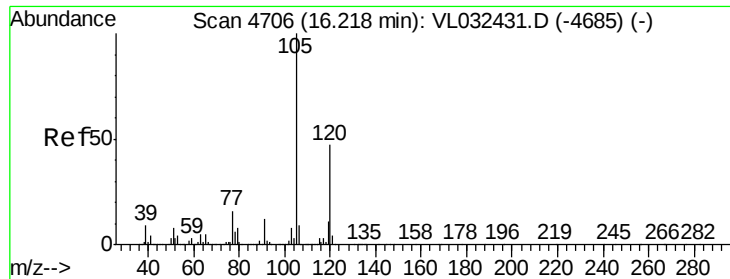
105 100

120 29.2 23.5 35.3

91 12.6 10.2 15.2

77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.91 ppbv

RT: 16.22 min Scan# 4706

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion:105 Resp: 4902936

Ion Ratio Lower Upper

105 100

120 46.1

37.9

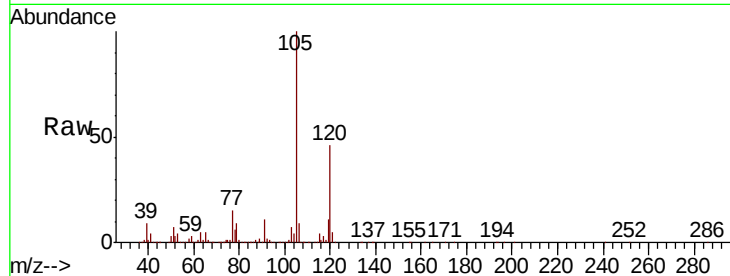
56.9

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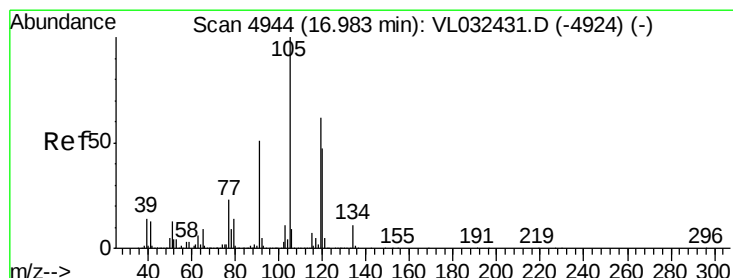
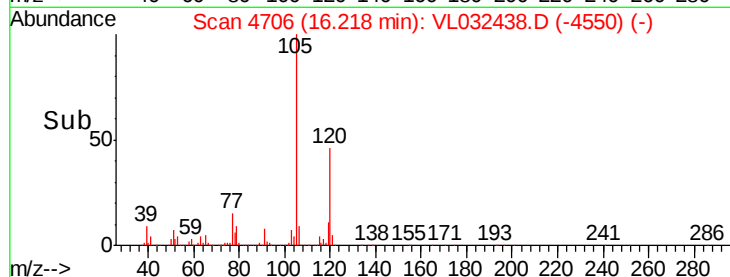
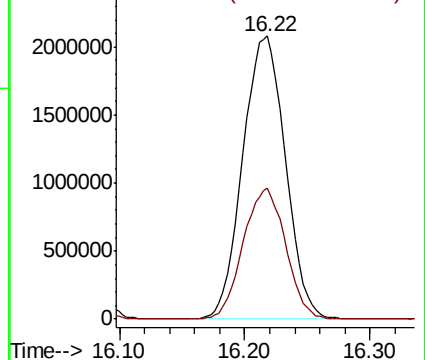
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.00 ppbv

RT: 16.99 min Scan# 4945

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tgt Ion:105 Resp: 4867683

Ion Ratio Lower Upper

105 100

120 46.3

37.8

56.8

91 41.6

41.4

62.0

77 21.4

18.6

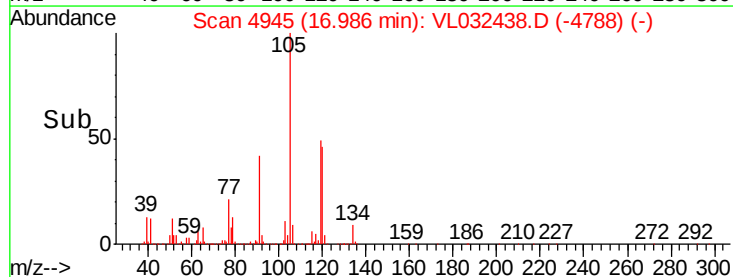
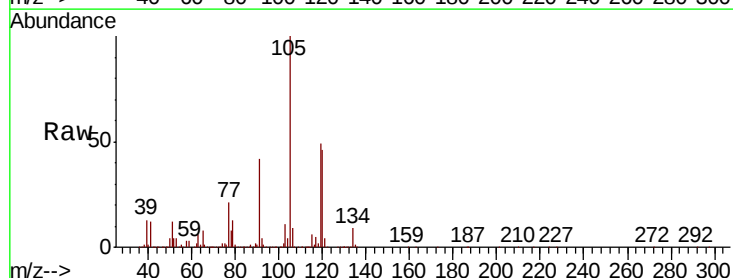
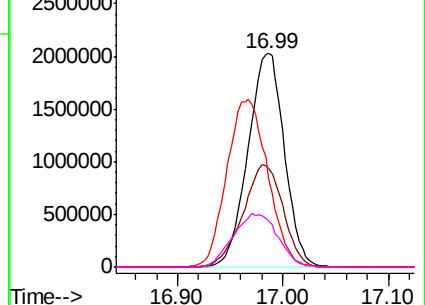
28.0

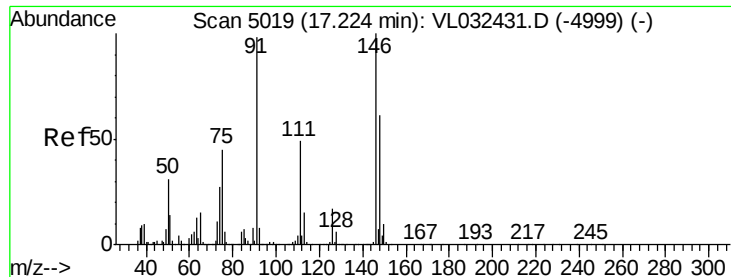
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.64 ppbv

RT: 17.22 min Scan# 5019

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

ClientSampleId :

ICVVL083118

Tot Ion:146 Resp: 2774769

Ion Ratio Lower Upper

146 100

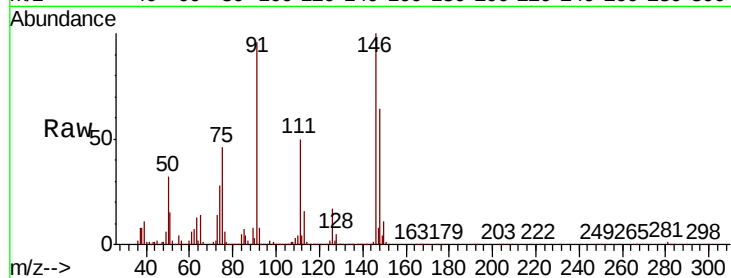
111 49.2 24.6 73.6

148 64.3 32.0 96.2

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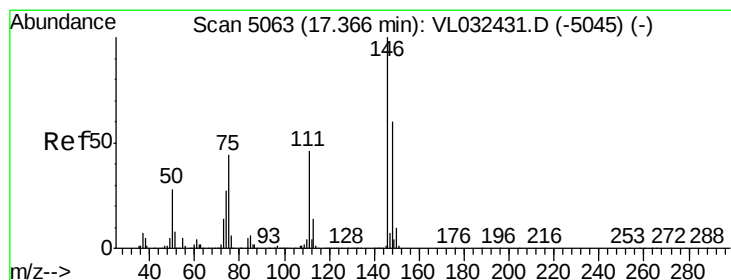
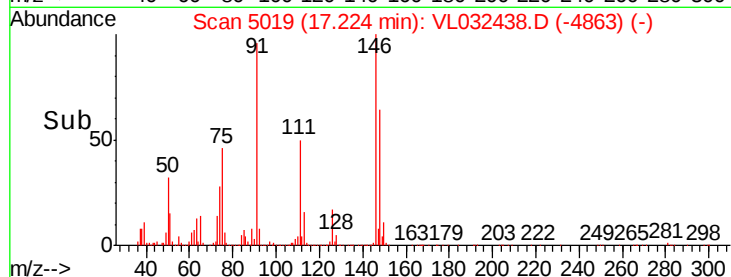
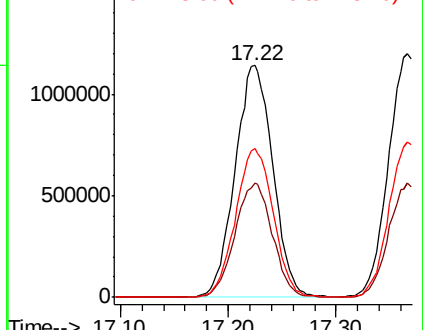


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.45 ppbv

RT: 17.37 min Scan# 5063

Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

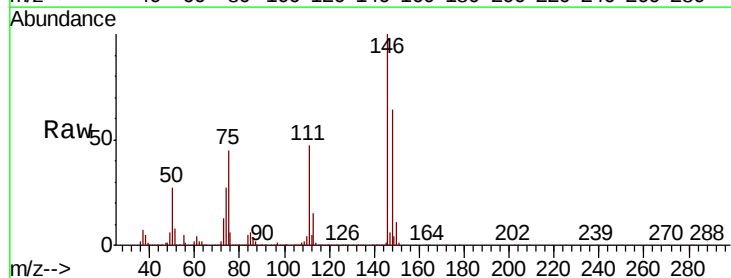
Tgt Ion:146 Resp: 2815588

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.3

148 64.1 31.9 95.9

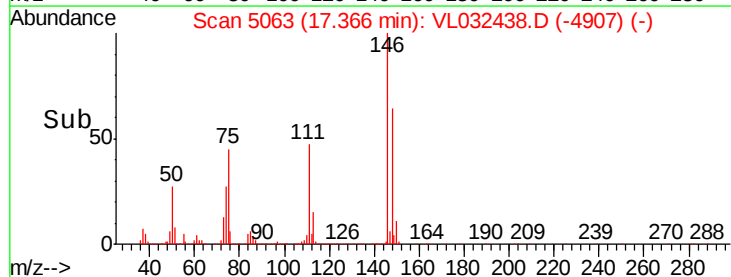
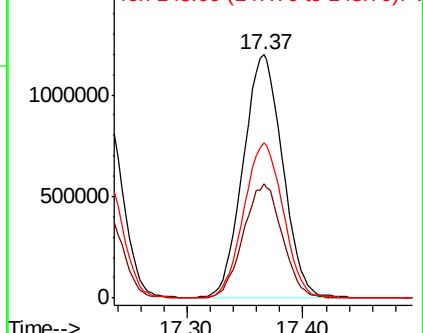


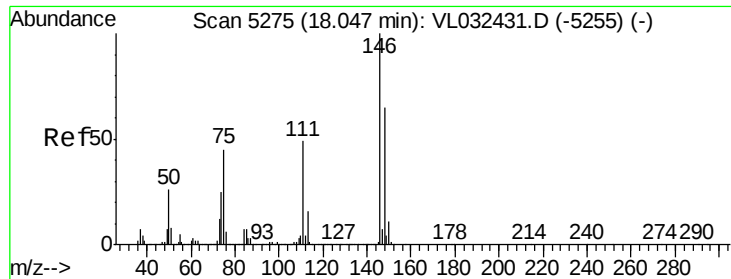
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





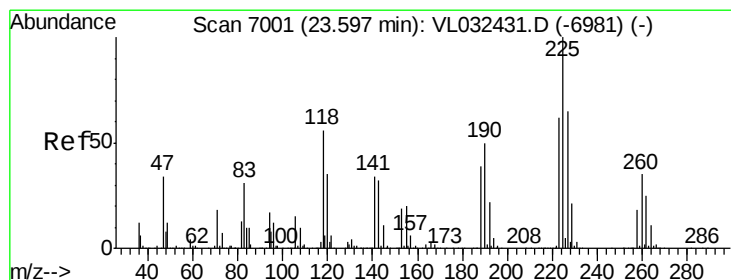
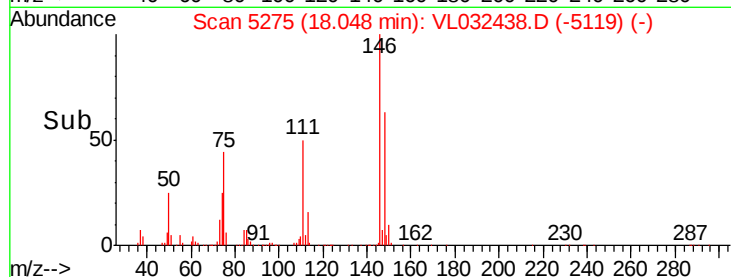
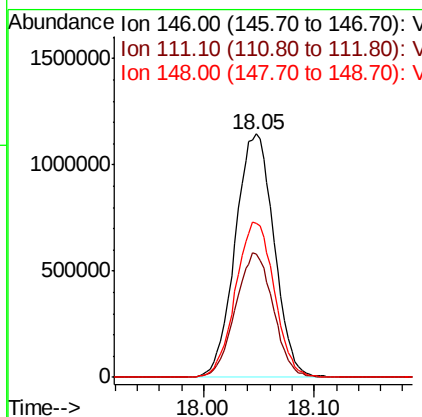
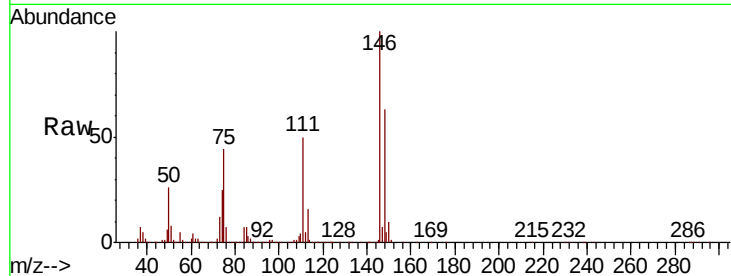
#77
 1,2-Dichlorobenzene
 Concen: 8.97 ppbv
 RT: 18.05 min Scan# 5275
 Delta R.T. 0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	24.9	74.7
148	63.8	31.9	95.9

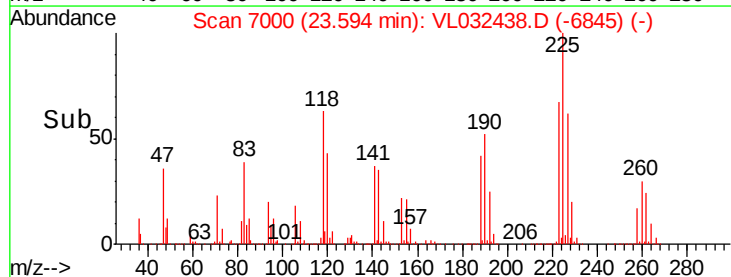
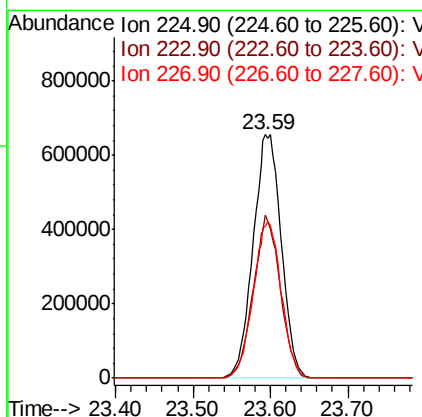
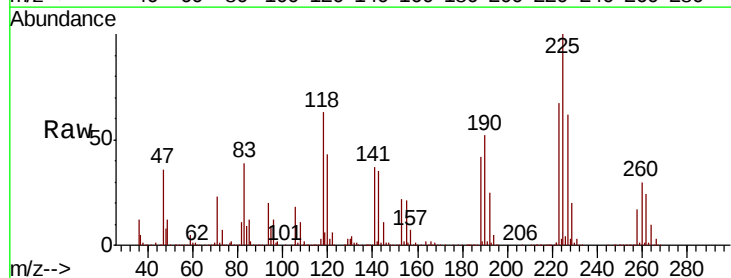
Manual Integrations
 APPROVED

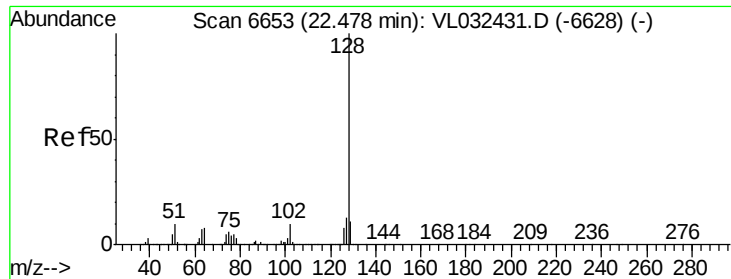
apatel
 9/4/2018 8:25:50 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 14.40 ppbv m
 RT: 23.59 min Scan# 7000
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	0.0	51.2	76.8#





#79

Naphthalene

Concen: 10.84 ppbv

RT: 22.48 min Scan# 6652

Delta R.T. -0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Instrument :

MSVOA_L

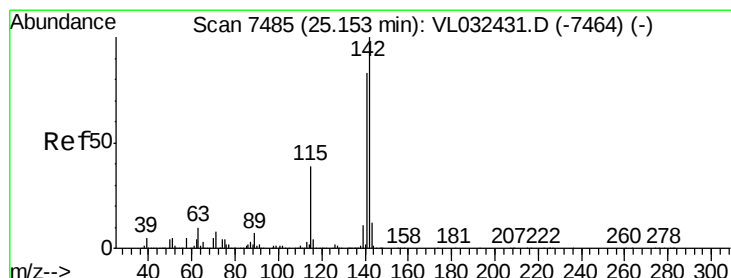
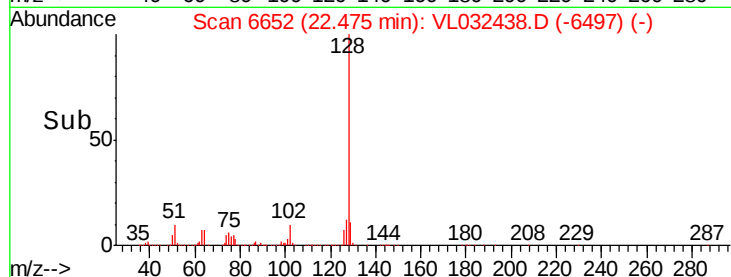
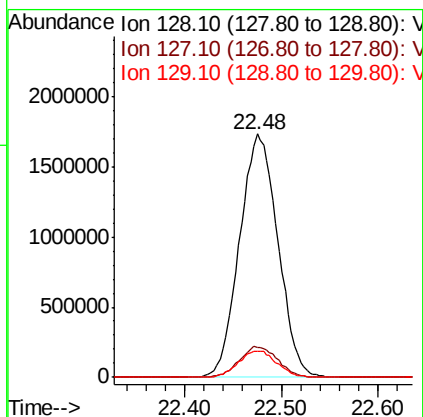
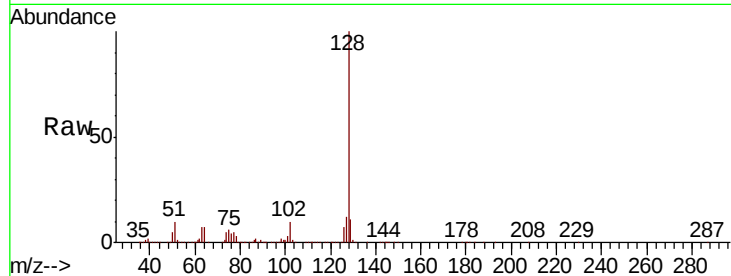
ClientSampleId :

ICVVL083118

Tot Ion:	128	Resp:	4769679
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.9	8.5	12.7

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#80

Naphthalene, 2-methyl-

Concen: 16.09 ppbv

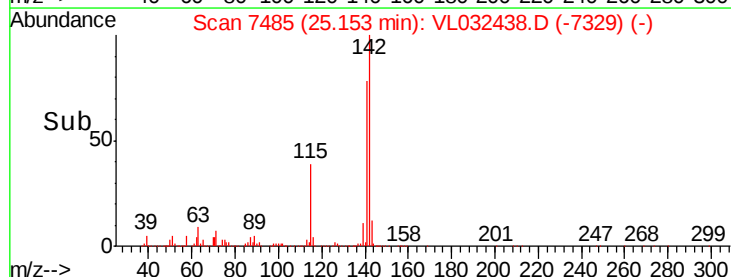
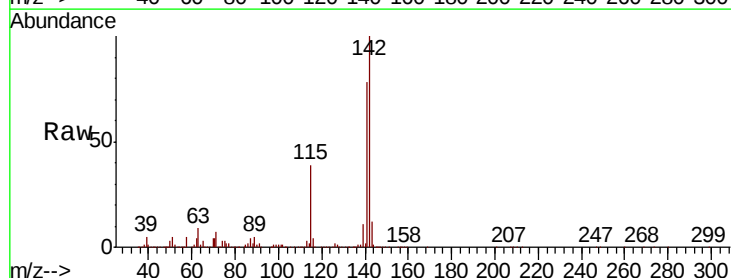
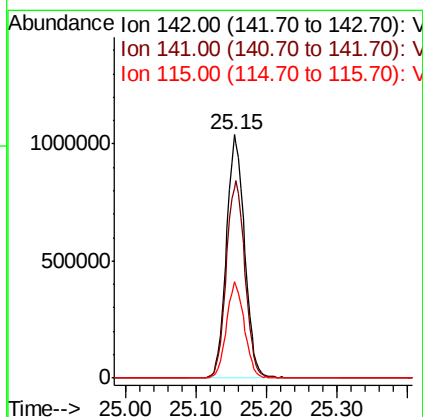
RT: 25.15 min Scan# 7485

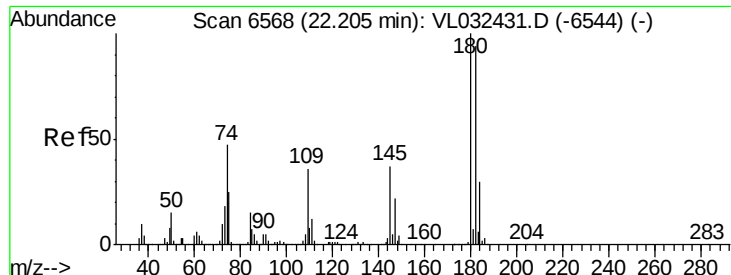
Delta R.T. 0.00 min

Lab File: VL032438.D

Acq: 31 Aug 2018 5:44

Tgt Ion:	142	Resp:	1883292
Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.0	100.6
115	39.1	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.16 ppbv
 RT: 22.20 min Scan# 6567
 Delta R.T. -0.00 min
 Lab File: VL032438.D
 Acq: 31 Aug 2018 5:44

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL083118

Tot Ion:	180	Resp:	2252531
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.2	114.2
184	30.1	23.9	35.9

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:50 AM

