

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032432.D
 Acq On : 31 Aug 2018 1:11
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Manual Integrations
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 9/4/2018 8:25:24 AM

Quant Time: Aug 31 21:22:52 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	2157543	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4237559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4260596	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3079753	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	617529	3.20	ppbv	99
3) Chlorodifluoromethane	3.05	51	406760	2.18	ppbv	99
4) Chloromethane	3.20	50	250565	2.19	ppbv	93
5) Vinyl Chloride	3.32	62	225419	2.23	ppbv	96
6) Bromomethane	3.55	94	125387	2.04	ppbv	95
7) Chloroethane	3.63	64	83731	2.10	ppbv	95
8) Dichlorotetrafluoroethane	3.25	85	514572	2.17	ppbv	100
9) Propene	3.07	41	163970	2.22	ppbv	100
10) Heptane	8.30	43	609485	2.28	ppbv	99
11) Trichlorofluoromethane	4.04	101	506139	2.09	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.59	101	355675	2.20	ppbv	97
13) Ethanol	3.69	45	50838m	2.13	ppbv	
14) Bromoethene	3.82	108	141458	2.01	ppbv	96
15) Acetone	3.94	43	404096	1.96	ppbv	99
16) 1,3-Butadiene	3.40	39	193121	2.25	ppbv	91
17) tert-Butyl alcohol	4.40	59	55512m	1.64	ppbv	
18) 1,1-Dichloroethene	4.39	96	159538	2.15	ppbv	94
19) Isopropyl Alcohol	4.07	45	241511	1.86	ppbv #	96
20) Methylene Chloride	4.45	84	151886	1.99	ppbv	97
21) Allyl Chloride	4.52	41	263107	2.03	ppbv	99
22) trans-1,2-Dichloroethene	5.01	96	158754	1.98	ppbv	97
23) Vinyl Acetate	5.20	43	681988	2.15	ppbv	98
24) 1,1-Dichloroethane	5.13	63	546408	2.15	ppbv	99
25) Ethyl Acetate	5.82	43	965262	2.22	ppbv	100
26) Hexane	5.83	57	439140	2.26	ppbv	96
27) Carbon Disulfide	4.66	76	393624	2.11	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	527002	2.19	ppbv	99
29) Chloroform	5.89	83	661766	2.20	ppbv	92
30) Cyclohexane	7.30	84	300995	2.09	ppbv #	80
31) cis-1,2-Dichloroethene	5.68	61	385719	2.17	ppbv	97
32) 1,1,1-Trichloroethane	6.67	97	587201	2.26	ppbv	99
34) 2-Butanone	5.38	43	607862	2.25	ppbv	100
35) Carbon Tetrachloride	7.18	117	575187	2.19	ppbv	99
36) Benzene	7.05	78	762551	2.17	ppbv	98
37) 1,2-Dichloroethane	6.46	62	461736	2.12	ppbv	100
38) Trichloroethene	8.01	130	286274	2.44	ppbv	94
39) 1,2-Dichloropropane	7.78	63	324616	2.20	ppbv	94
40) 1,4-Dioxane	8.03	88	86013	1.96	ppbv #	50
41) Tetrahydrofuran	6.21	42	329447	2.28	ppbv	99
42) Bromodichloromethane	7.96	83	651773	2.19	ppbv	99
43) Methyl Methacrylate	8.19	69	329144	2.28	ppbv	98

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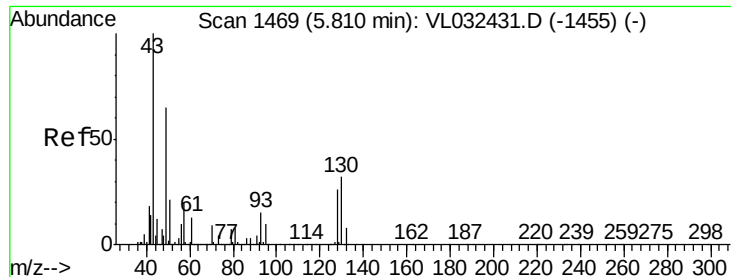
Manual Integrations
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apatel
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Quant Time: Aug 31 21:22:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 2018
 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	1525791	2.33	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	342828	2.00	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	439866	2.09	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	359173	2.28	ppbv	100
48) Dibromochloromethane	10.51	129	479845	2.16	ppbv	99
49) Bromoform	13.25	173	426535	2.18	ppbv	99
50) 4-Methyl-2-Pentanone	8.93	43	943529	2.26	ppbv	99
51) 2-Hexanone	10.33	43	612858	2.22	ppbv #	96
52) Tetrachloroethene	11.43	164	236465	2.35	ppbv	96
53) Toluene	10.00	91	893664	2.43	ppbv	99
54) 1,2-Dibromoethane	10.82	107	445175	1.95	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.34	131	401587	2.19	ppbv #	1
57) Chlorobenzene	12.36	112	718571	2.20	ppbv	96
58) Ethyl Benzene	12.92	91	1137001	2.34	ppbv	97
59) m/p-Xylene	13.20	91	1978540m	4.57	ppbv	
60) o-Xylene	13.90	91	1011195	2.43	ppbv	100
61) Styrene	13.74	104	643334	2.30	ppbv	99
62) Isopropylbenzene	14.88	105	1388857	2.36	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.89	83	838405	2.31	ppbv	100
64) n-propylbenzene	15.78	120	361492	2.35	ppbv	89
65) tert-Butylbenzene	16.96	119	1239017	2.45	ppbv	98
66) Benzyl Chloride	17.21	91	644927	2.06	ppbv	100
67) sec-Butylbenzene	17.51	105	1841779	2.45	ppbv	99
69) p-Isopropyltoluene	17.87	119	1456171	2.53	ppbv	99
70) n-Butylbenzene	18.76	91	1662698	2.60	ppbv	97
71) 2-Chlorotoluene	15.67	91	1078127	2.40	ppbv	98
72) 4-Ethyltoluene	16.05	105	1090619	2.41	ppbv	98
73) 1,3,5-Trimethylbenzene	16.21	105	1102505	2.55	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	1216000	2.60	ppbv	98
75) 1,3-Dichlorobenzene	17.22	146	679489	2.28	ppbv	98
76) 1,4-Dichlorobenzene	17.36	146	638748	2.33	ppbv	99
77) 1,2-Dichlorobenzene	18.05	146	681385	2.38	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	240429m	1.95	ppbv	
79) Naphthalene	22.48	128	1001372	3.22	ppbv	99
80) Naphthalene, 2-methyl-	25.16	142	239191	2.94	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	501087	2.97	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 2157543

Ion Ratio Lower Upper

49 100

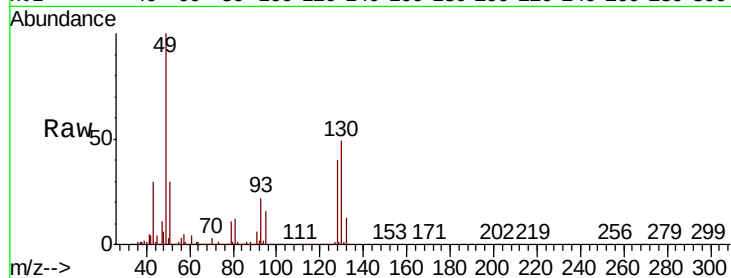
128 41.1 20.7 62.1

130 52.1 26.7 80.0

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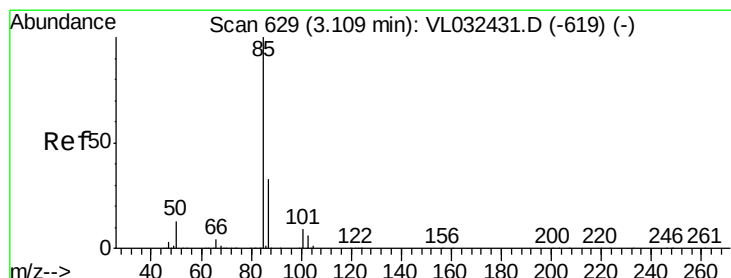
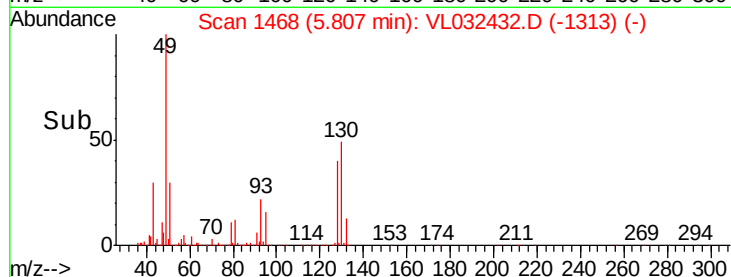
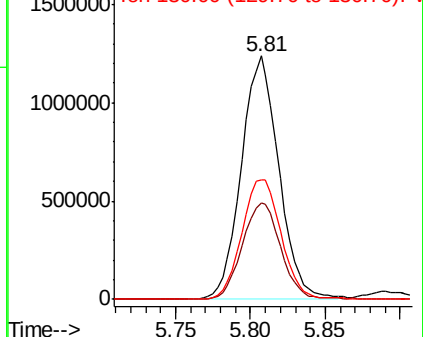
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 3.20 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032432.D

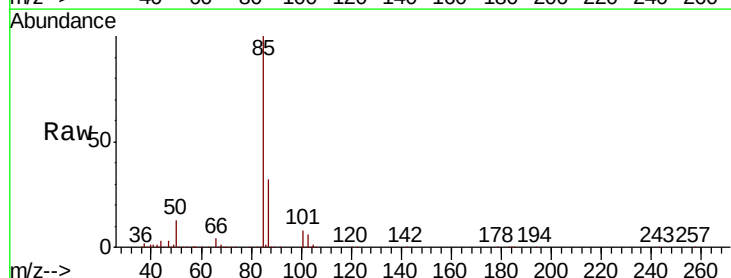
Acq: 31 Aug 2018 1:11

Tgt Ion: 85 Resp: 617529

Ion Ratio Lower Upper

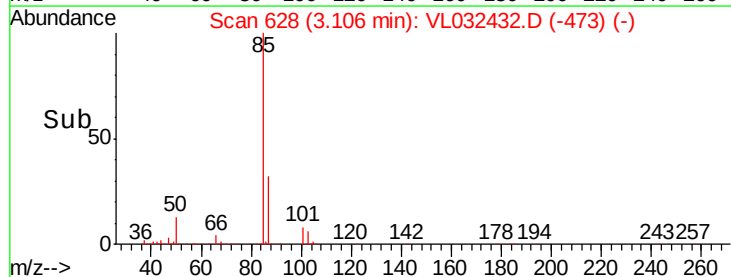
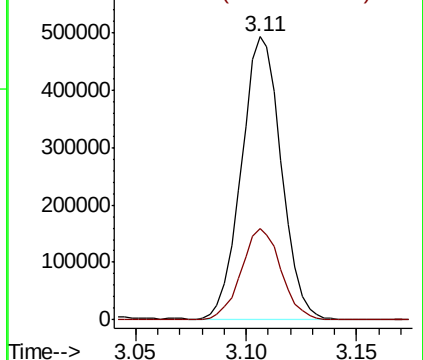
85 100

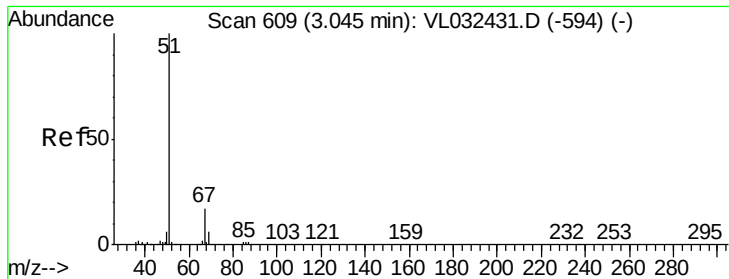
87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.18 ppbv

RT: 3.05 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tot Ion: 51 Resp: 406760

Ion Ratio Lower Upper

51 100

67 16.9 13.8 20.8

Instrument :

MSVOA_L

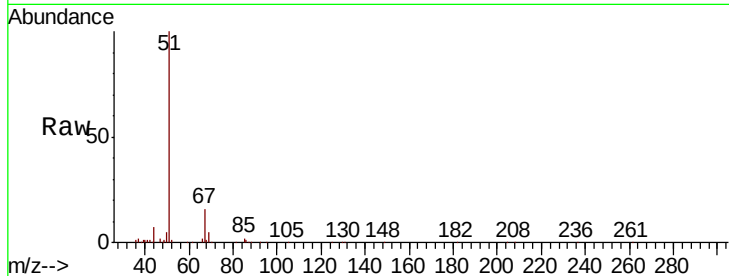
ClientSampleId :

VSTDIC002

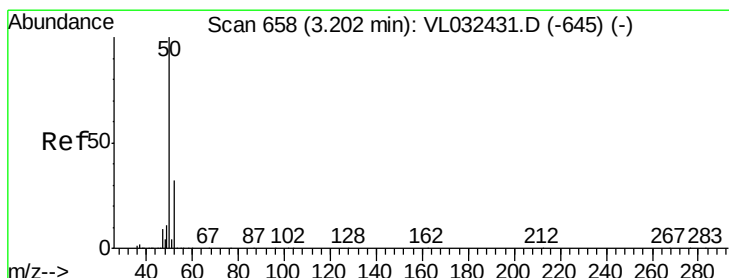
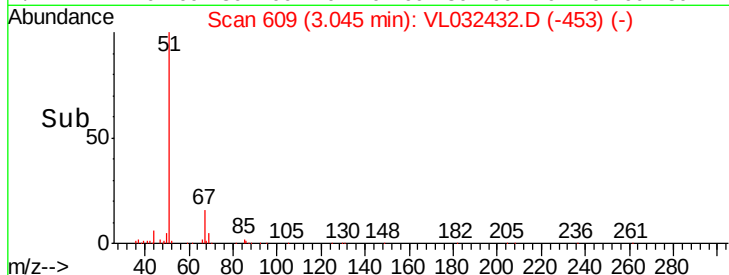
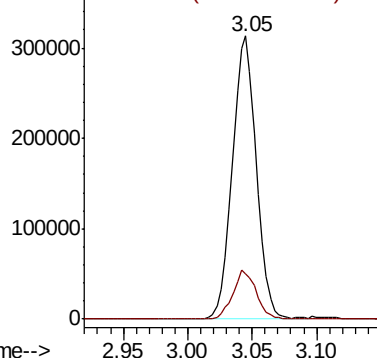
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Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.19 ppbv

RT: 3.20 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL032432.D

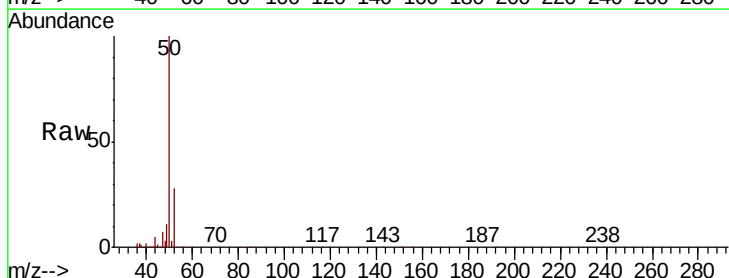
Acq: 31 Aug 2018 1:11

Tgt Ion: 50 Resp: 250565

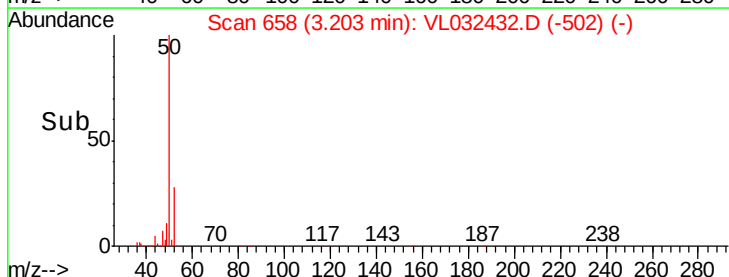
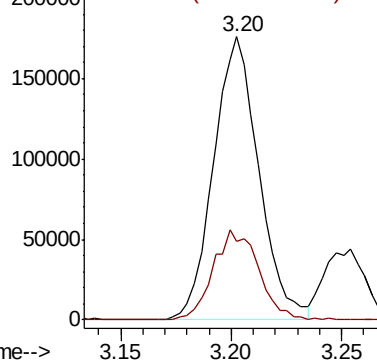
Ion Ratio Lower Upper

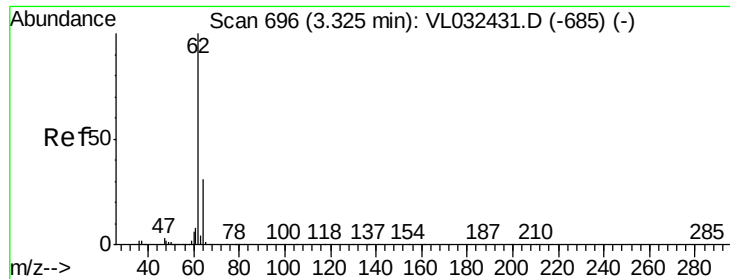
50 100

52 27.9 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.23 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 225419

Ion Ratio Lower Upper

62 100

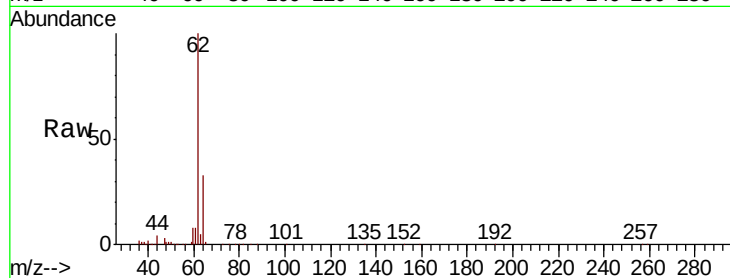
64 33.3 25.0 37.6

Manual Integrations

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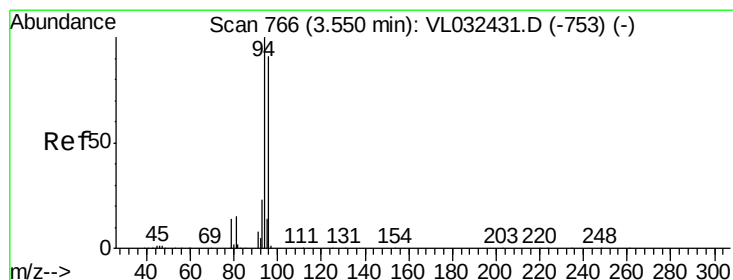
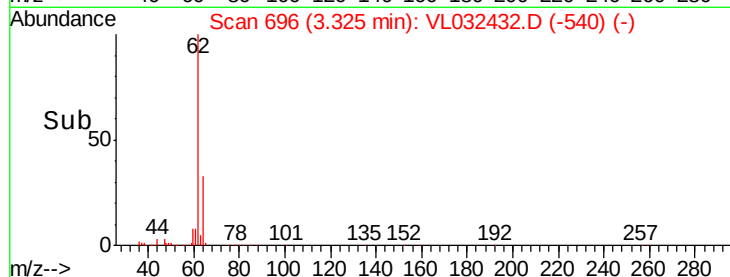
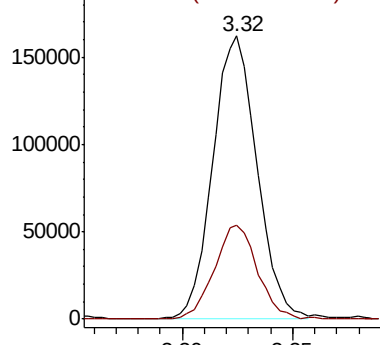
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.04 ppbv

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VL032432.D

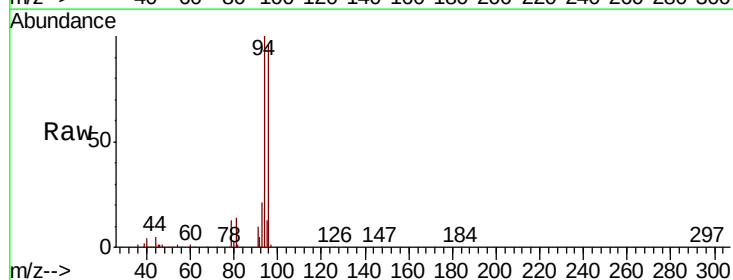
Acq: 31 Aug 2018 1:11

Tgt Ion: 94 Resp: 125387

Ion Ratio Lower Upper

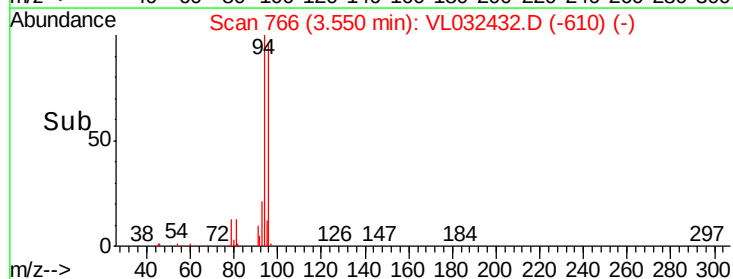
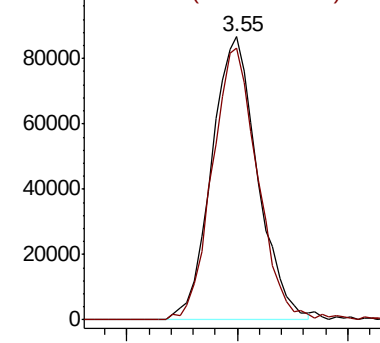
94 100

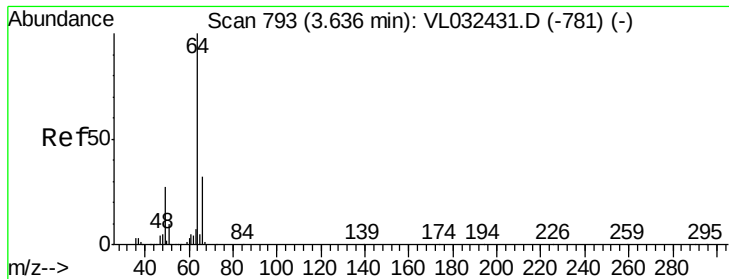
96 95.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.10 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 83731

Ion Ratio Lower Upper

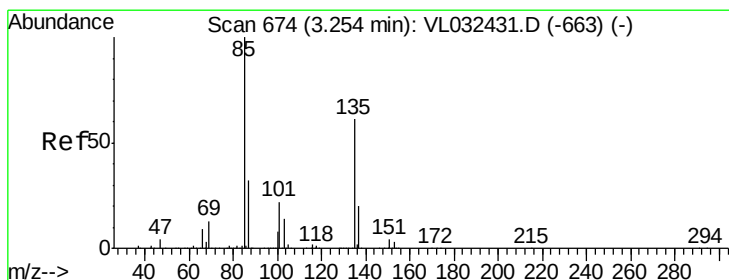
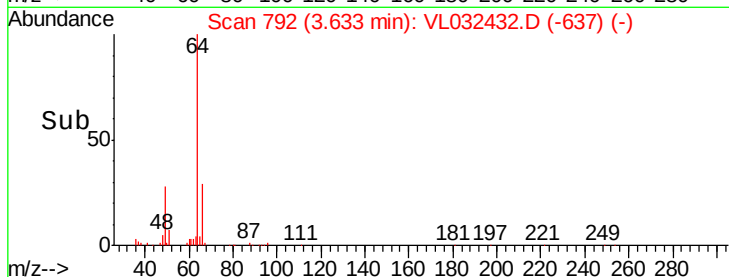
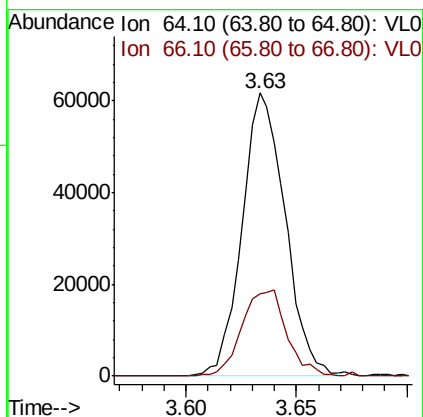
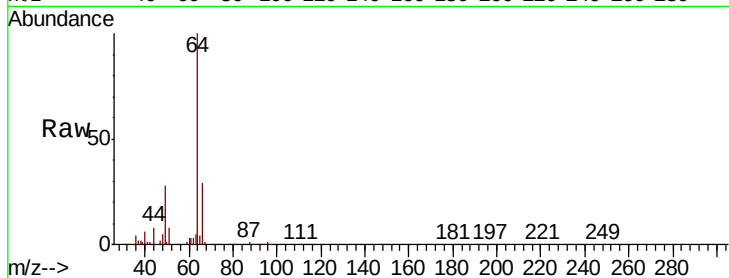
64 100

66 29.3 25.8 38.6

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#8

Dichlorotetrafluoroethane

Concen: 2.17 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032432.D

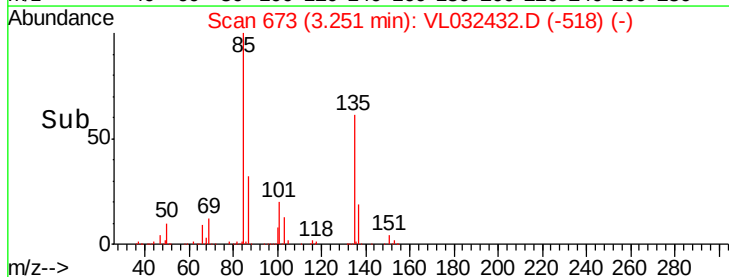
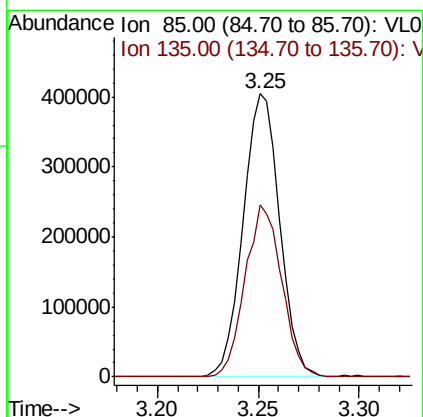
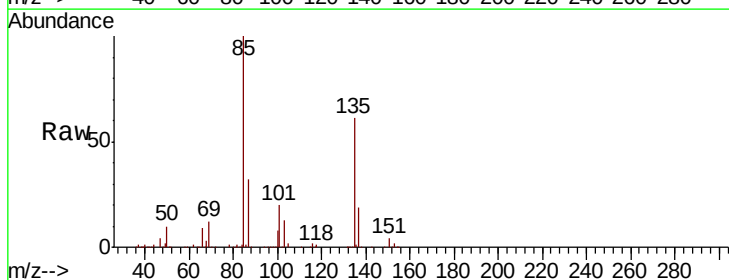
Acq: 31 Aug 2018 1:11

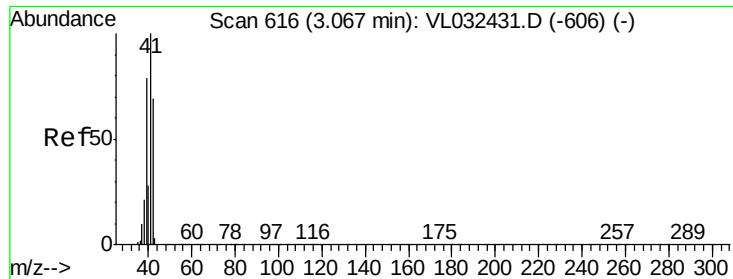
Tgt Ion: 85 Resp: 514572

Ion Ratio Lower Upper

85 100

135 61.0 48.6 72.8





#9

Propene

Concen: 2.22 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 163970

Ion Ratio Lower Upper

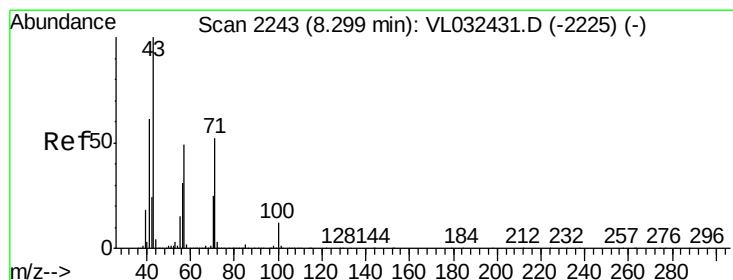
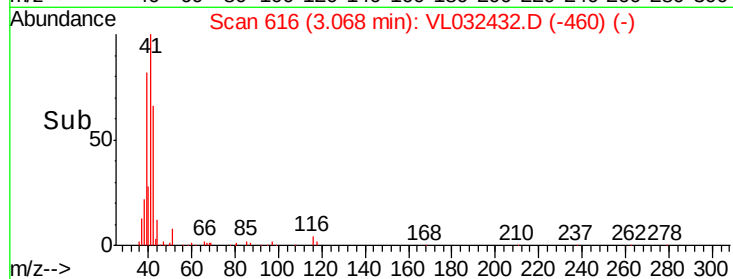
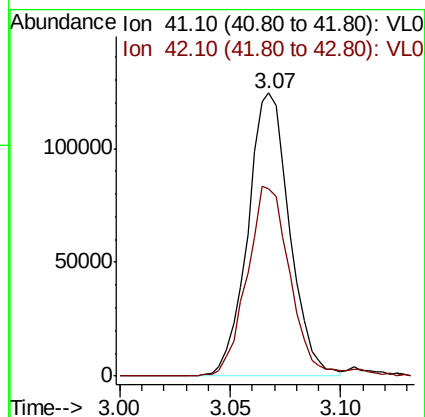
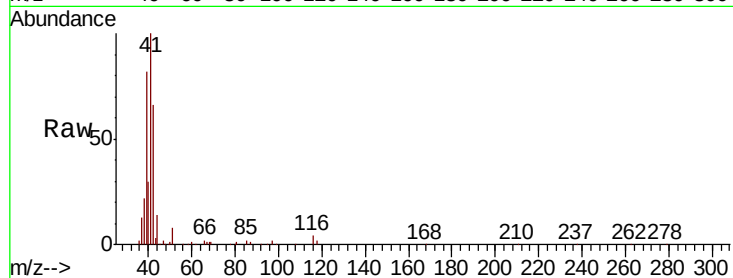
41 100

42 70.4 56.6 84.8

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#10

Heptane

Concen: 2.28 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL032432.D

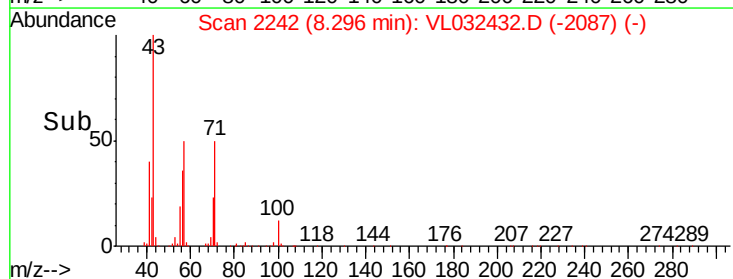
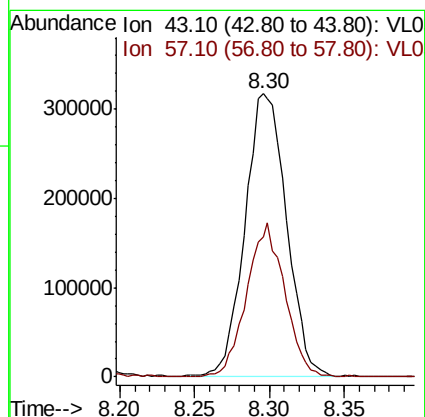
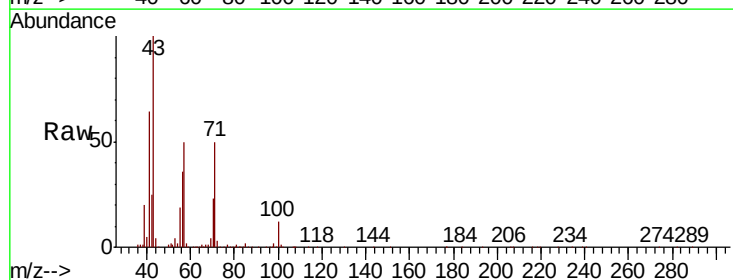
Acq: 31 Aug 2018 1:11

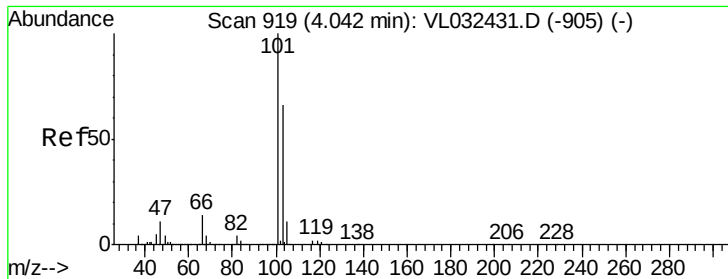
Tgt Ion: 43 Resp: 609485

Ion Ratio Lower Upper

43 100

57 50.3 39.8 59.6





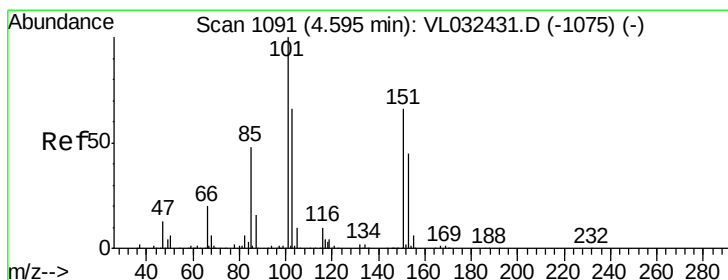
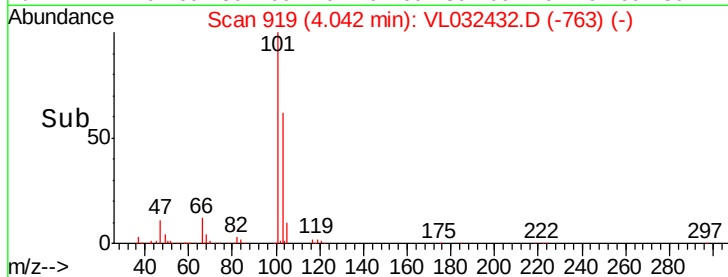
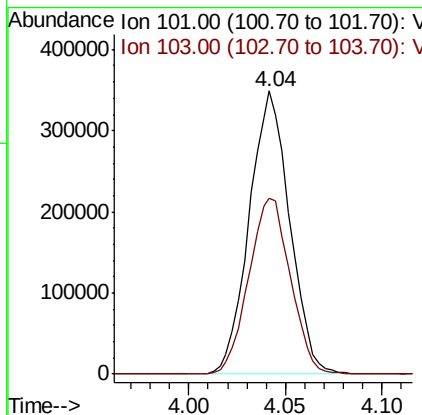
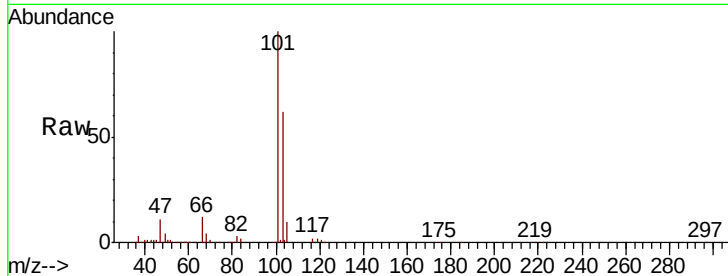
#11
 Trichlorofluoromethane
 Concen: 2.09 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.8	79.2

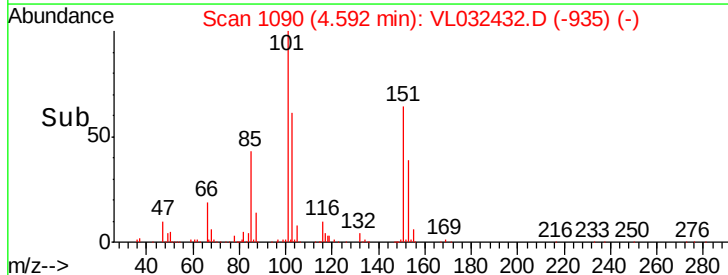
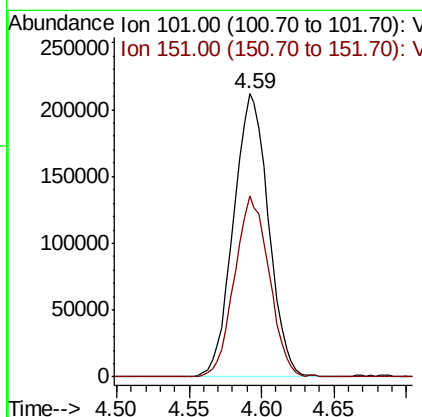
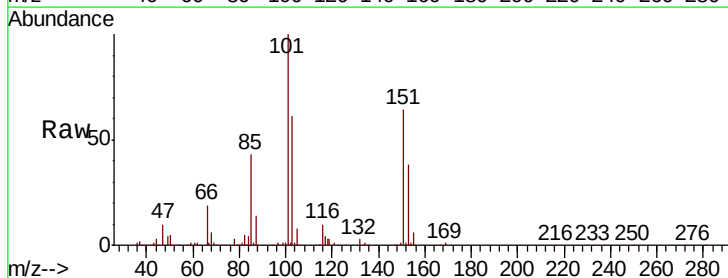
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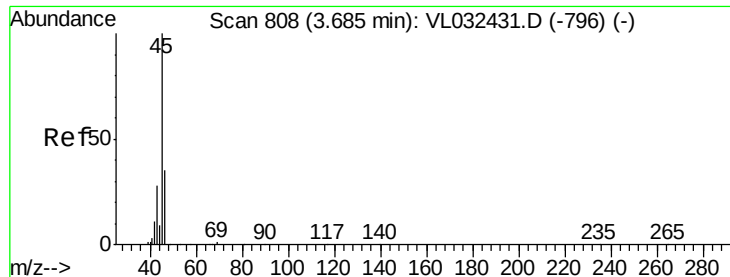
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.20 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.0	52.6	78.8





#13

Ethanol

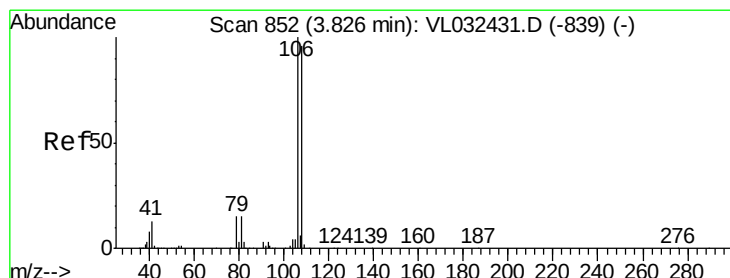
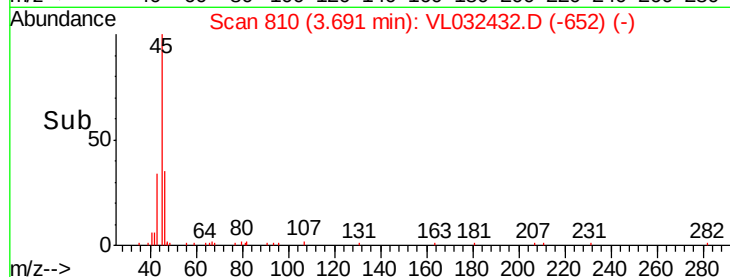
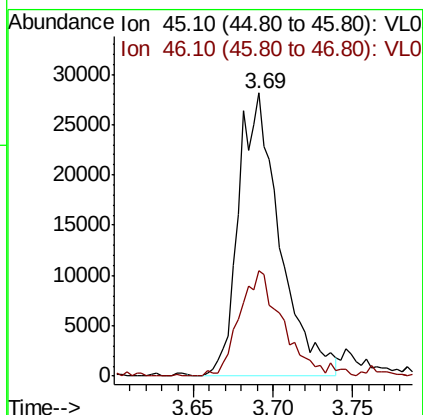
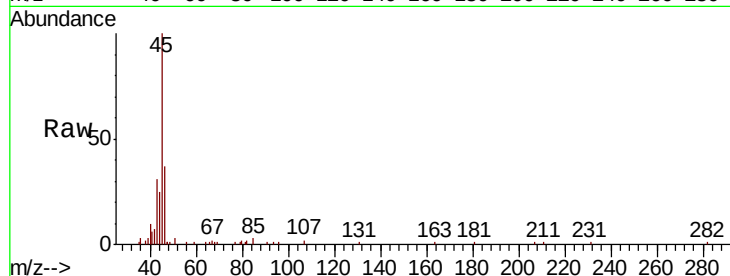
Concen: 2.13 ppbv m
 RT: 3.69 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	39.4	13.9	55.7

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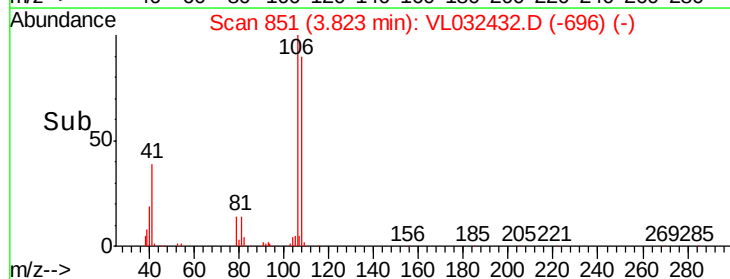
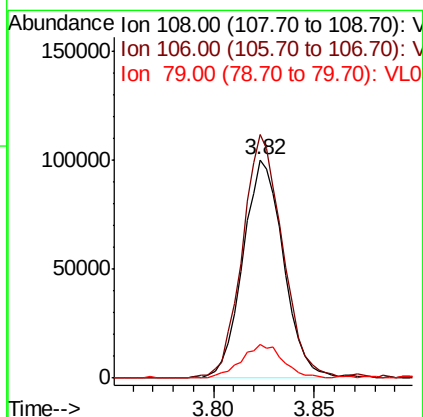
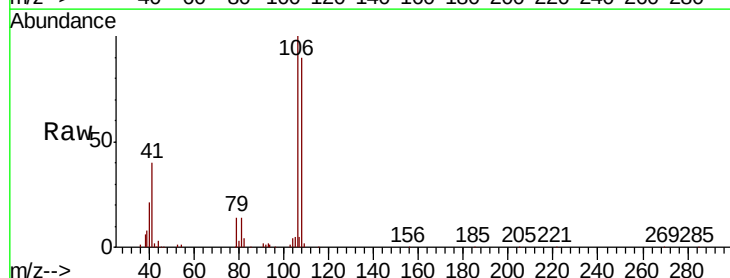


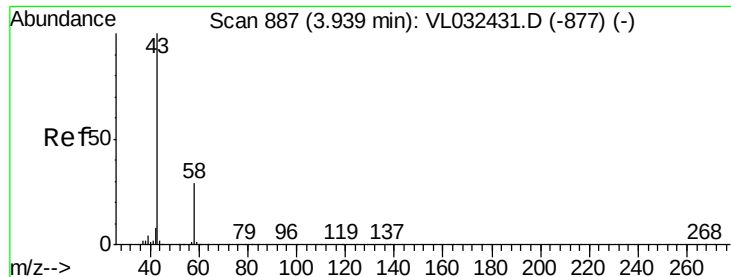
#14

Bromoethene

Concen: 2.01 ppbv
 RT: 3.82 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.9	85.5	128.3
79	16.7	13.0	19.6





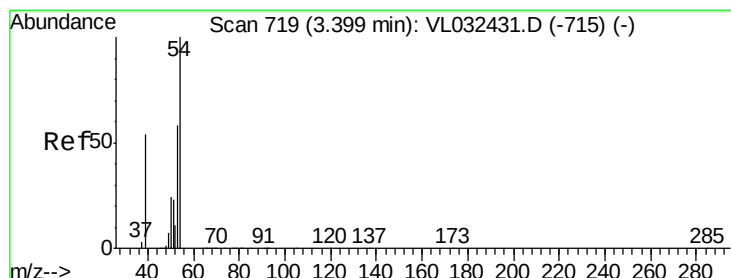
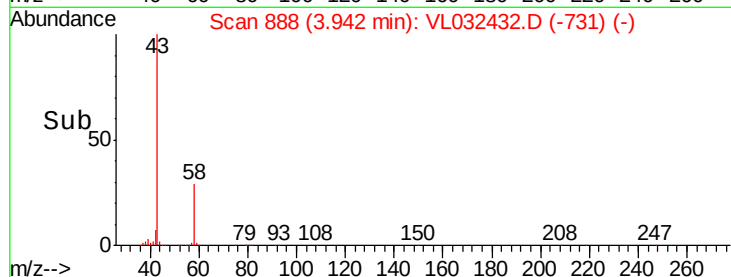
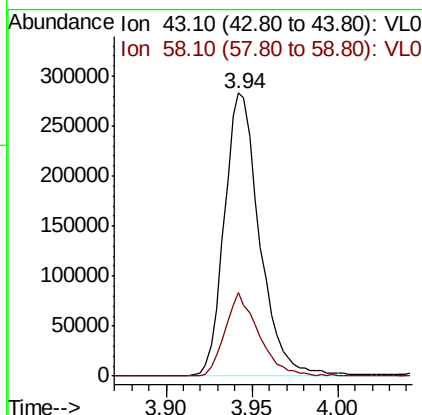
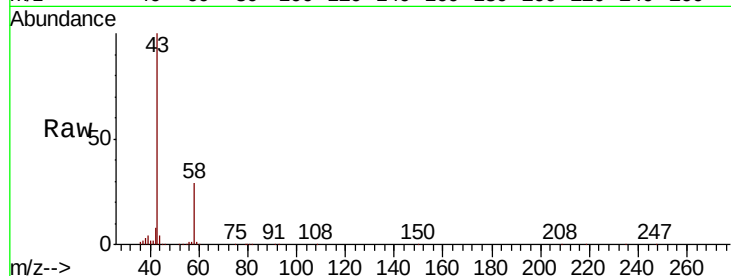
#15
Acetone
Concen: 1.96 ppbv
RT: 3.94 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	43	Resp	404096
Ion Ratio	100	Lower	Upper
43	100		
58	28.7	22.6	33.8

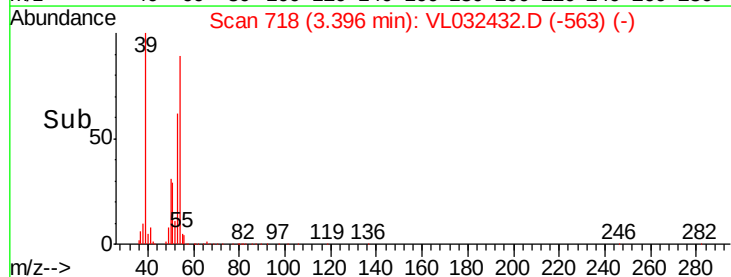
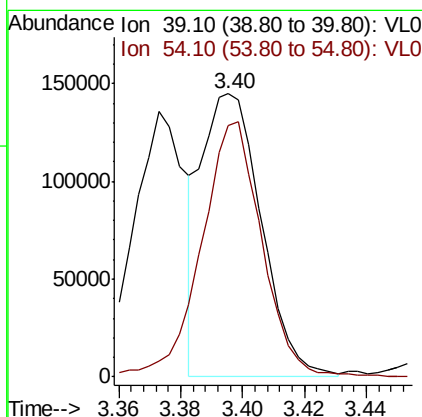
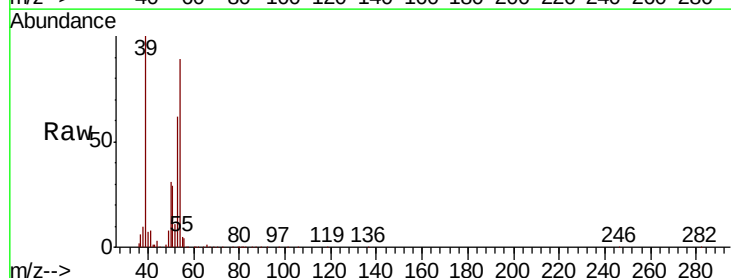
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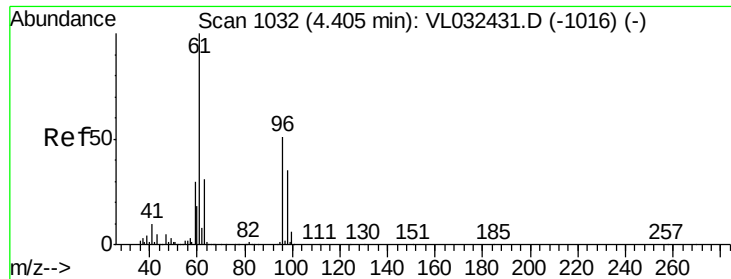
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#16
1,3-Butadiene
Concen: 2.25 ppbv
RT: 3.40 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	39	Resp	193121
Ion Ratio	100	Lower	Upper
39	100		
54	92.3	80.8	121.2





#17

tert-Butyl alcohol

Concen: 1.64 ppbv m

RT: 4.40 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 59 Resp: 55512

Ion Ratio Lower Upper

59 100

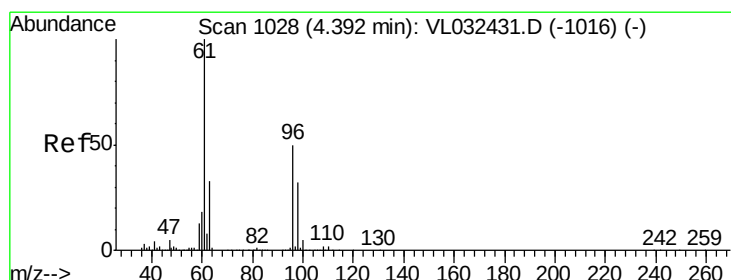
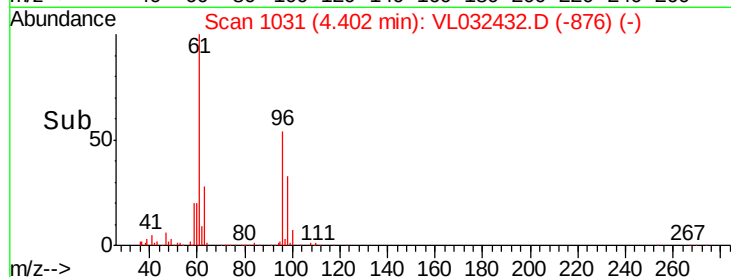
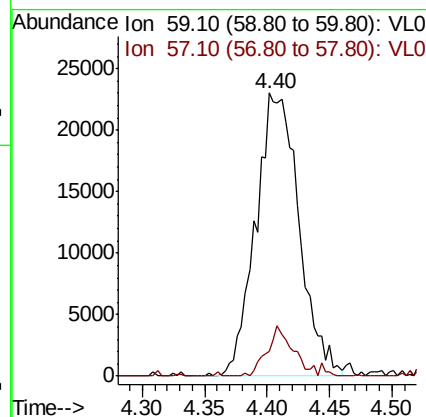
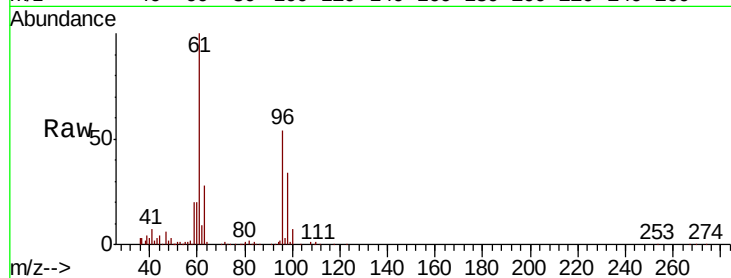
57 0.0 7.0 10.4#

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#18

1,1-Dichloroethene

Concen: 2.15 ppbv

RT: 4.39 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

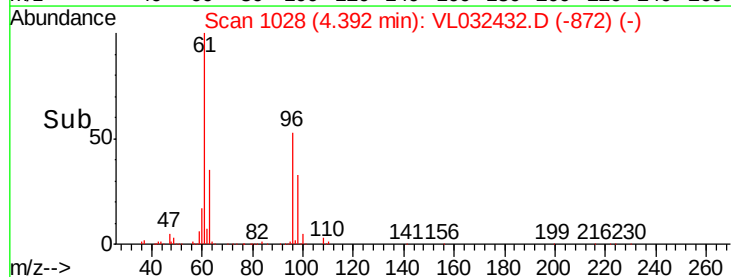
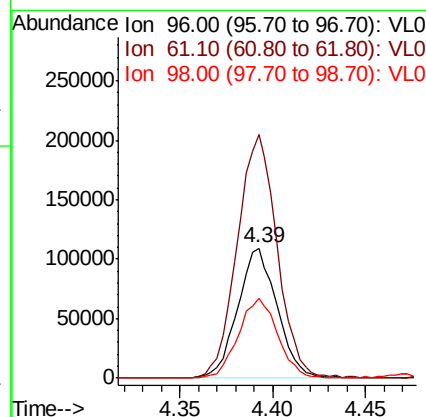
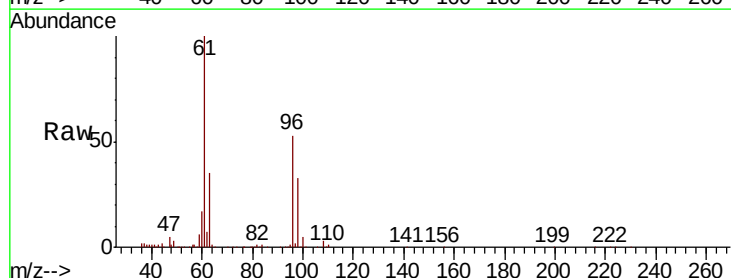
Tgt Ion: 96 Resp: 159538

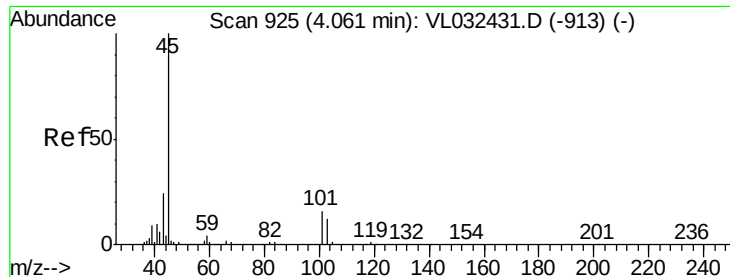
Ion Ratio Lower Upper

96 100

61 187.7 159.2 238.8

98 61.6 51.0 76.4





#19

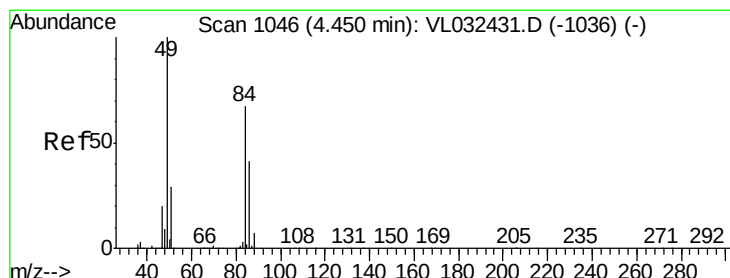
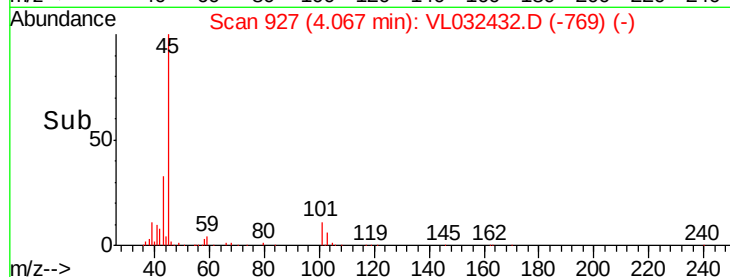
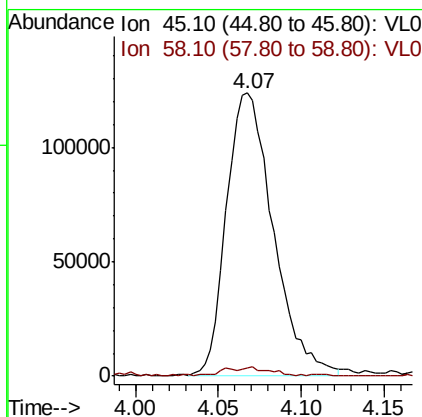
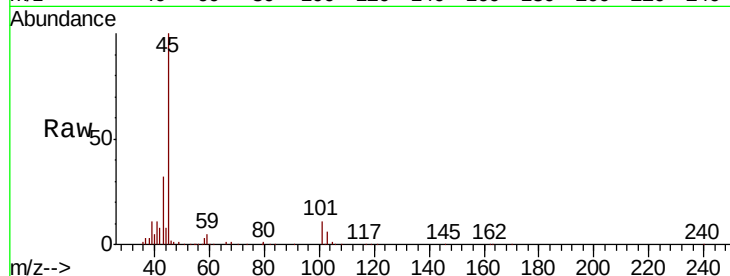
Isopropyl Alcohol
 Concen: 1.86 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.9	2.0	3.0#

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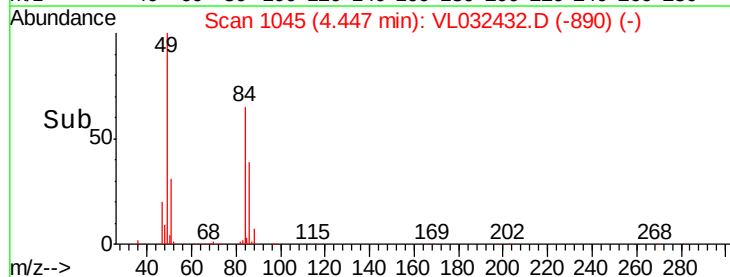
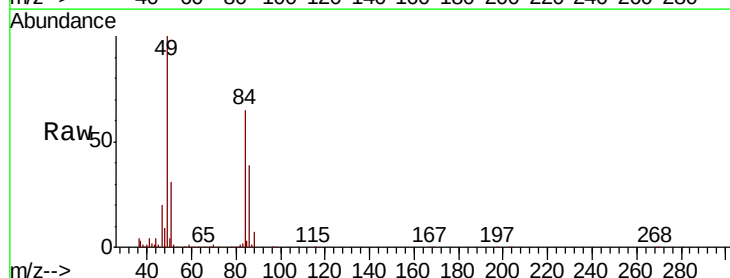
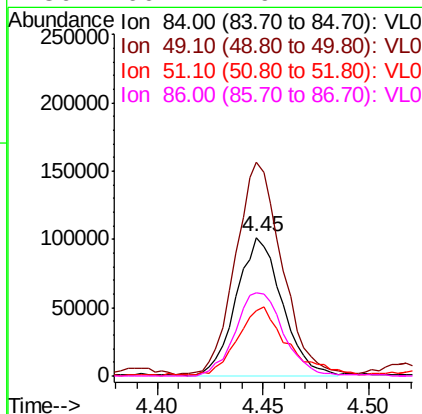
apatel
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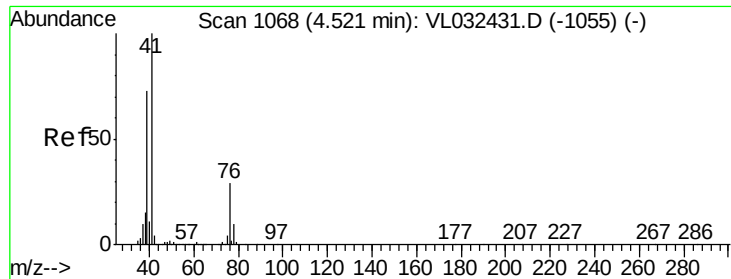


#20

Methylene Chloride
 Concen: 1.99 ppbv
 RT: 4.45 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.3	119.1	178.7
51	46.2	35.2	52.8
86	60.2	49.4	74.2





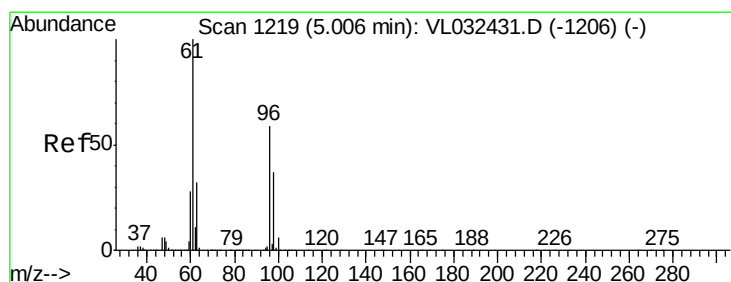
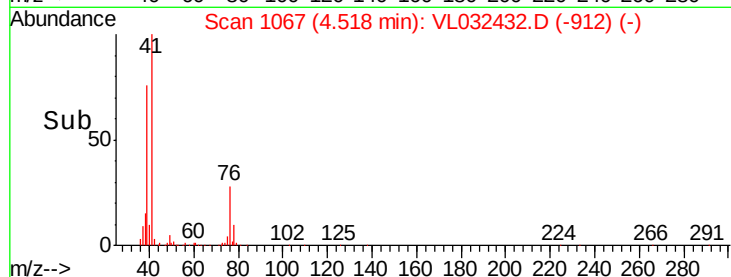
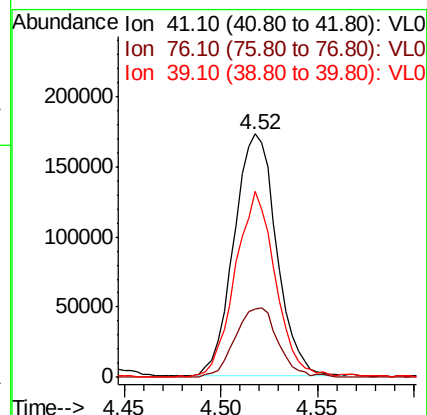
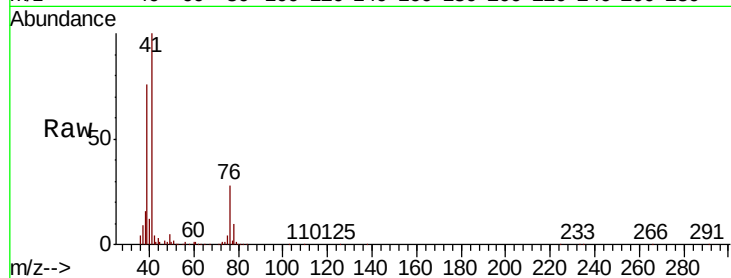
#21
Allvl Chloride
Concen: 2.03 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	73.0	57.7	86.5

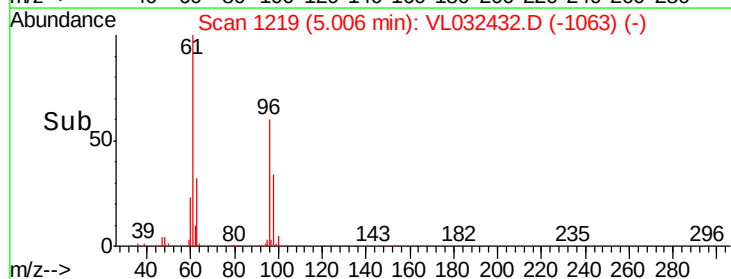
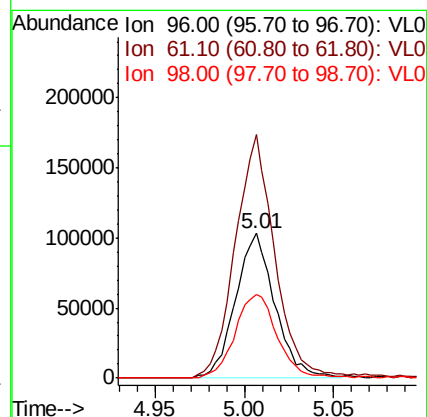
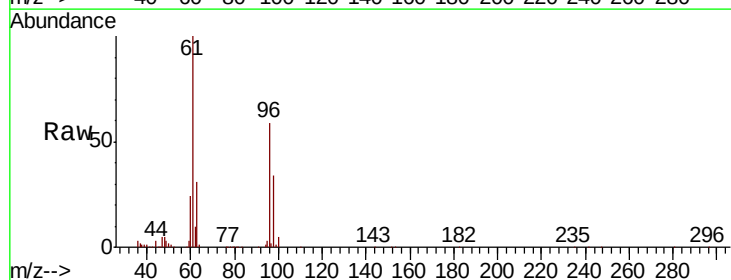
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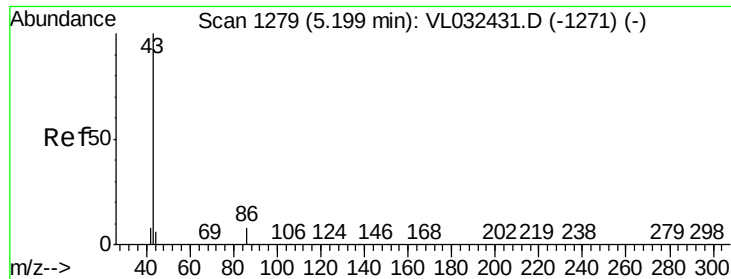
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#22
trans-1,2-Dichloroethene
Concen: 1.98 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	136.2	204.4
98	57.2	50.4	75.6





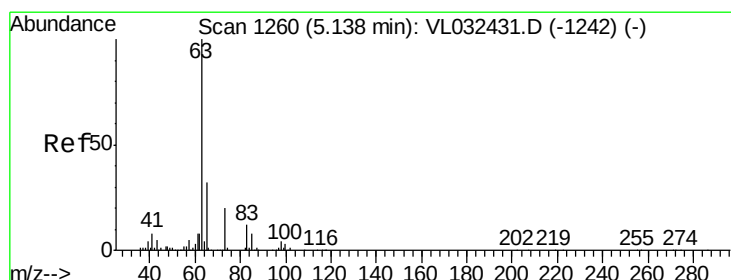
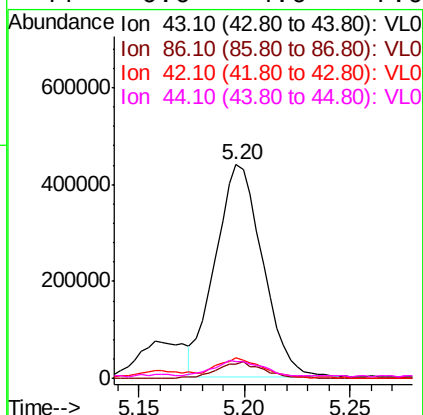
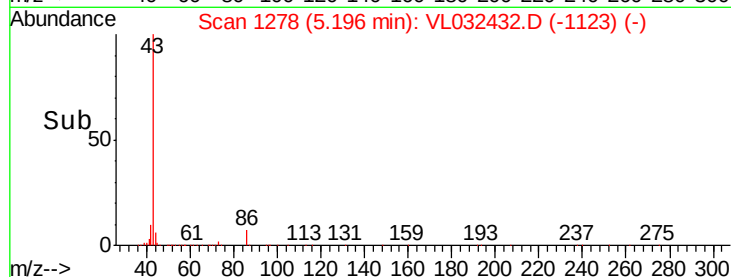
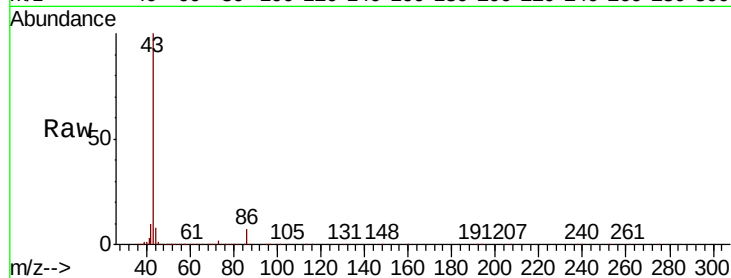
#23
 Vinyl Acetate
 Concen: 2.15 ppbv
 RT: 5.20 min Scan# 1278
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		681988		
86	6.9		5.9	8.9	
42	9.7		6.9	10.3	
44	6.6		4.6	7.0	

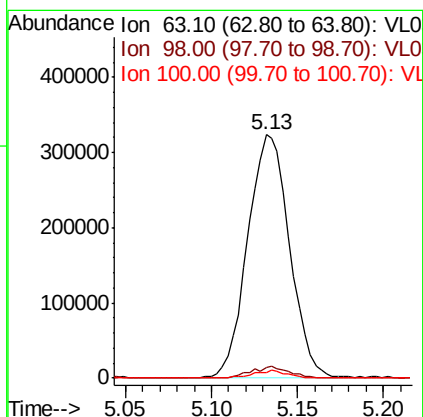
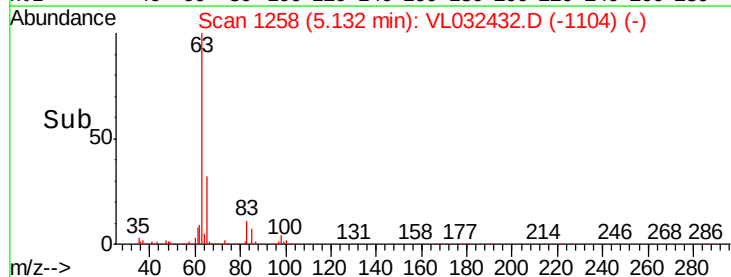
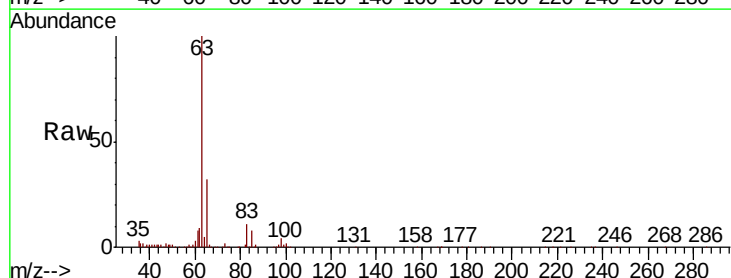
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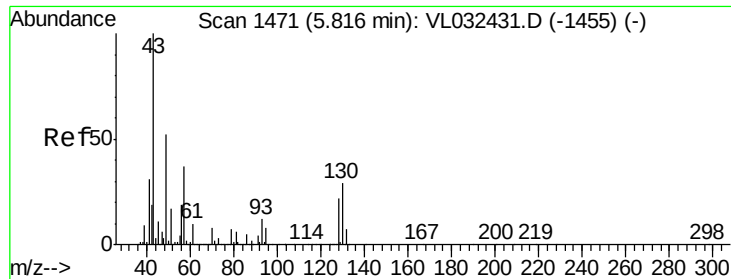
apatel
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#24
 1,1-Dichloroethane
 Concen: 2.15 ppbv
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		546408		
98	4.3		2.1	6.5	
100	2.0		1.5	4.4	





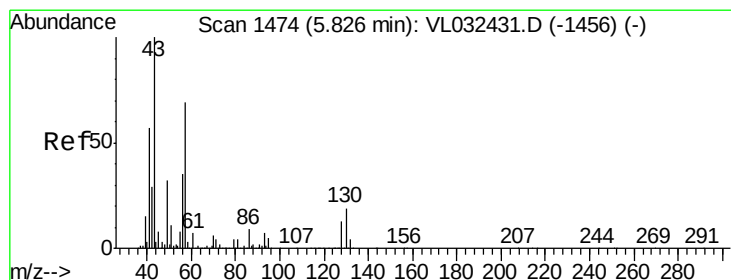
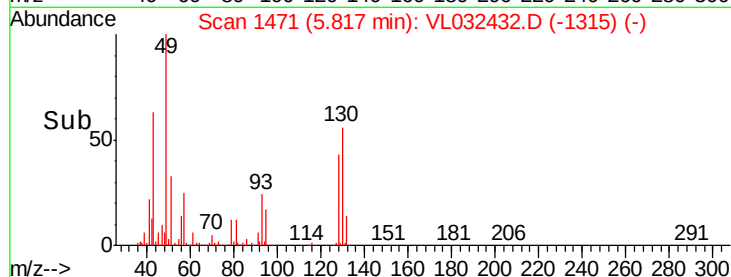
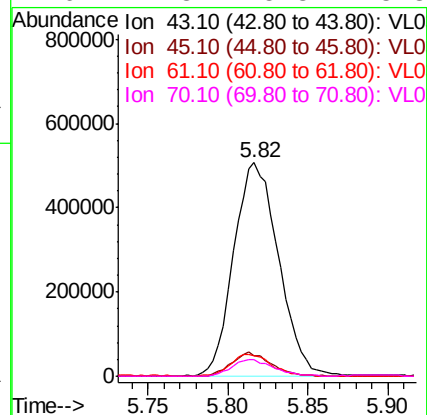
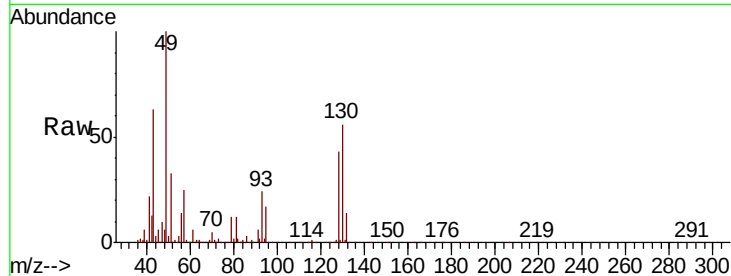
#25
Ethyl Acetate
Concen: 2.22 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	10.0	8.0	12.0	
61	9.6	7.6	11.4	
70	7.3	5.8	8.8	

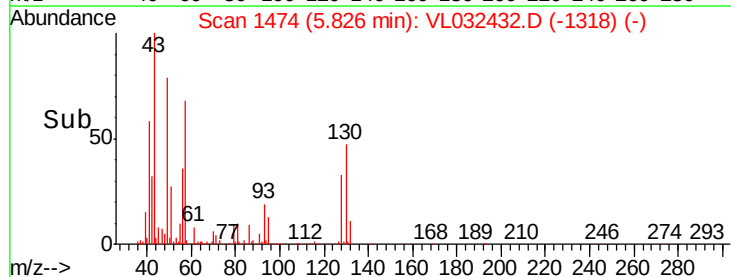
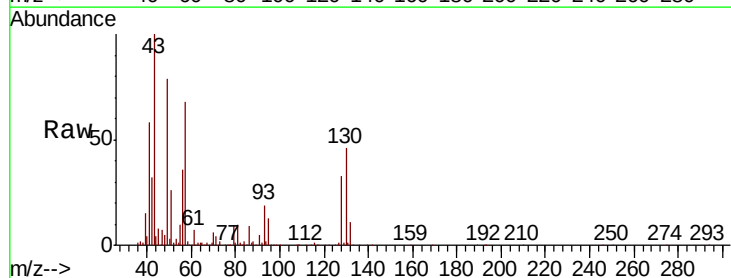
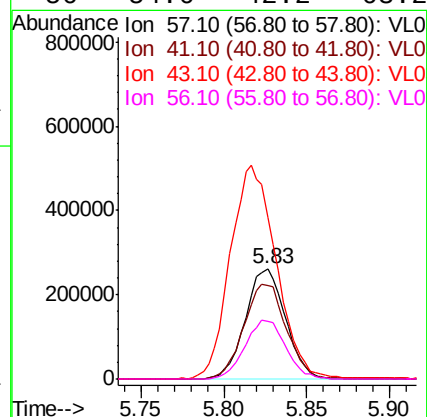
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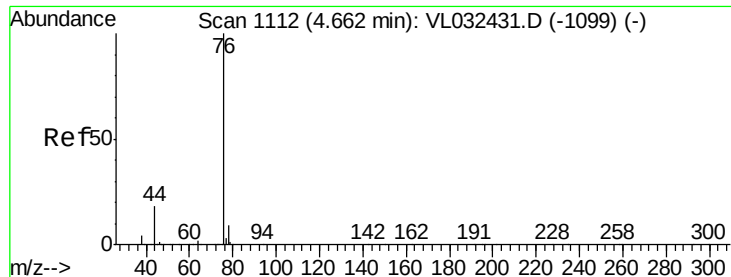
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#26
Hexane
Concen: 2.26 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	90.7	68.4	102.6	
43	221.8	172.6	258.8	
56	54.6	42.2	63.2	





#27

Carbon Disulfide

Concen: 2.11 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

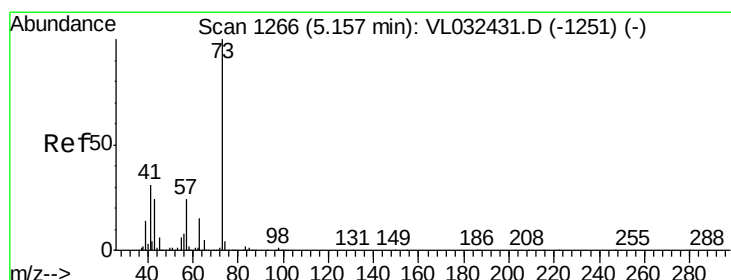
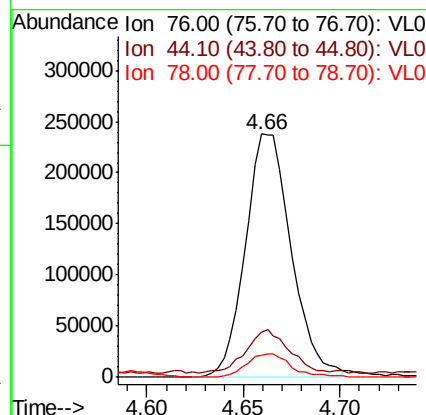
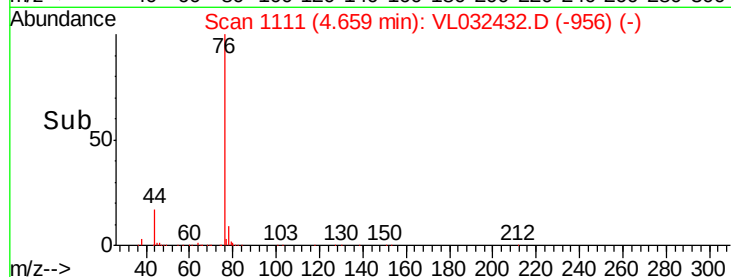
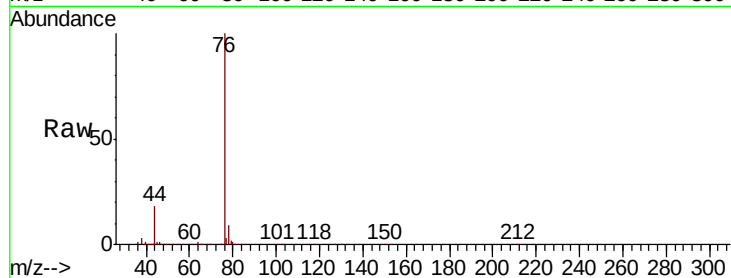
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	393624
Ion Ratio	Lower	Upper	
76	100		
44	18.1	14.0	21.0
78	10.1	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 2.19 ppbv

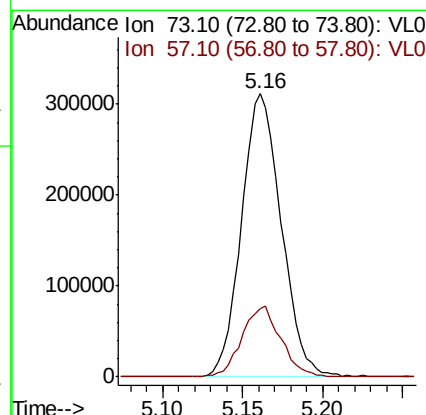
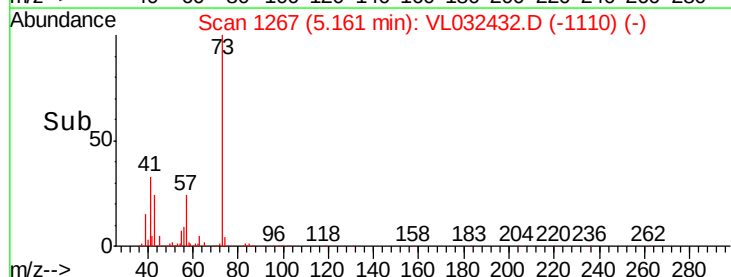
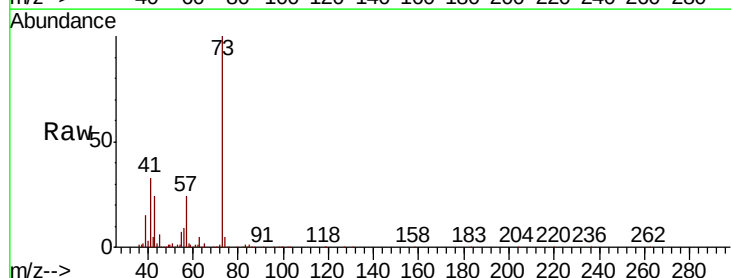
RT: 5.16 min Scan# 1267

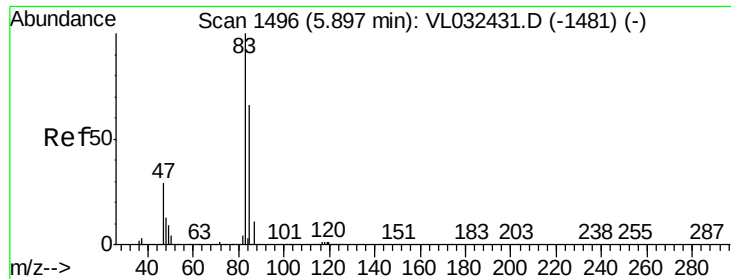
Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	73	Resp:	527002
Ion Ratio	Lower	Upper	
73	100		
57	24.7	19.3	28.9





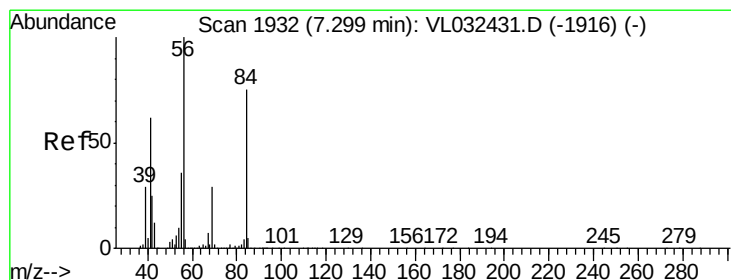
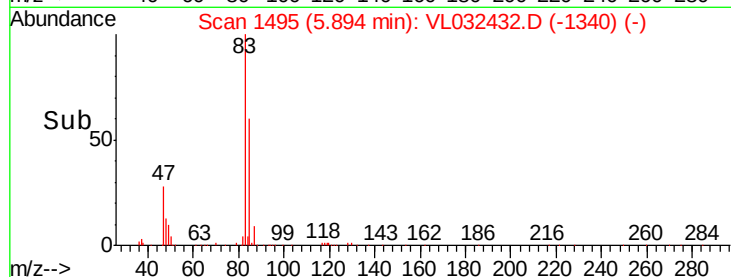
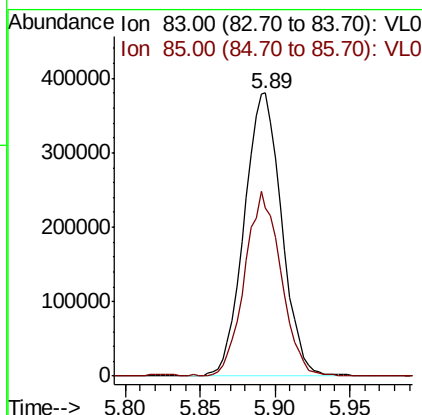
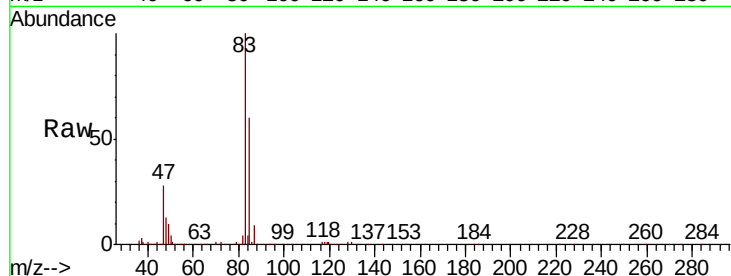
#29
Chloroform
Concen: 2.20 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	661766
Ion Ratio	100	Lower	Upper
83	100		
85	59.4	52.5	78.7

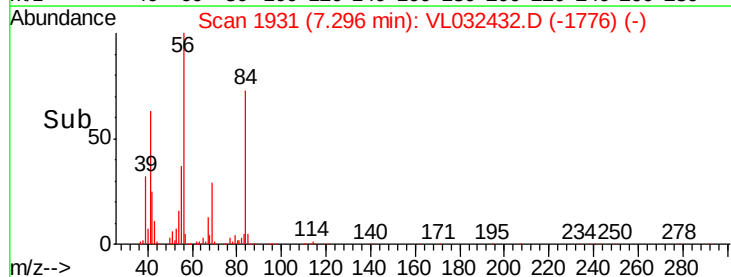
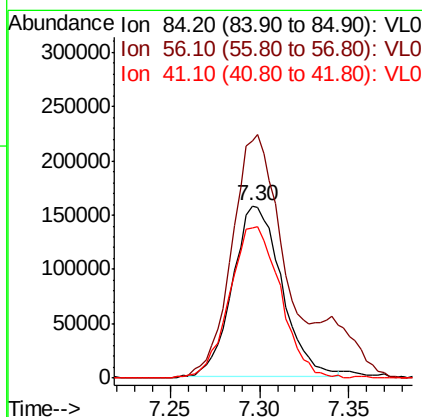
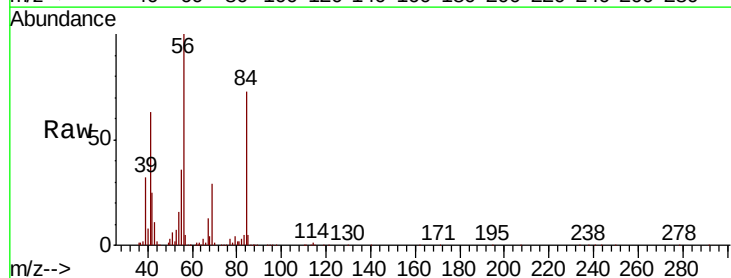
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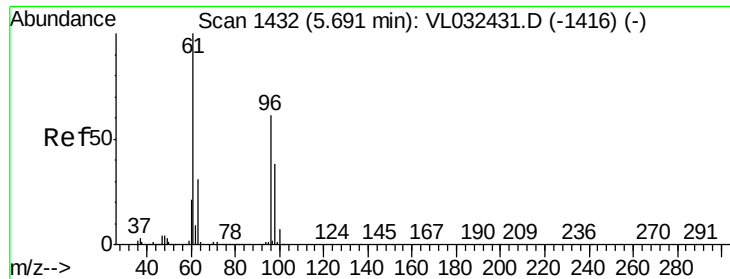
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#30
Cyclohexane
Concen: 2.09 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	84	Resp	300995
Ion Ratio	100	Lower	Upper
84	100		
56	174.2	113.5	170.3#
41	92.7	68.0	102.0





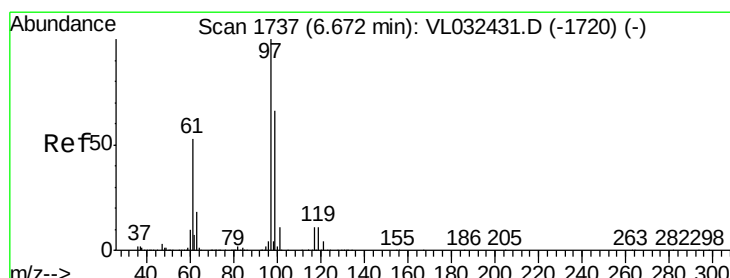
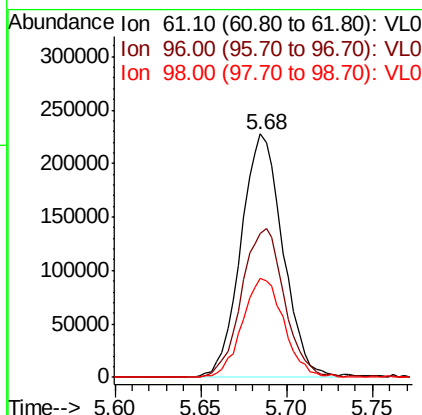
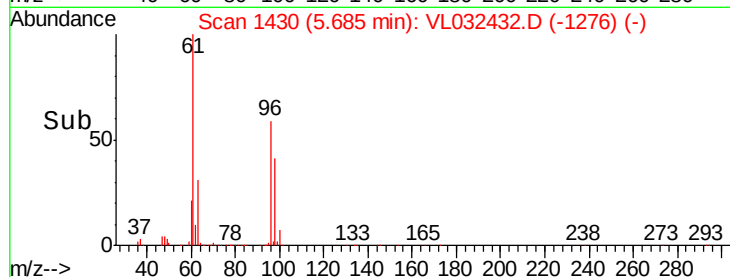
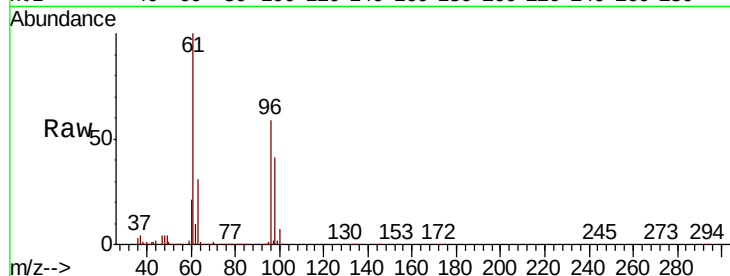
#31
 cis-1,2-Dichloroethene
 Concen: 2.17 ppbv
 RT: 5.68 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
61	100		
96	59.1	49.2	73.8
98	40.5	30.7	46.1

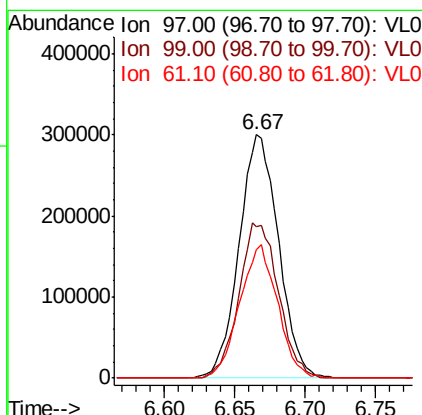
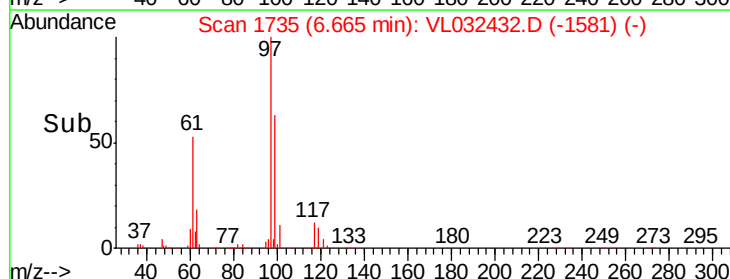
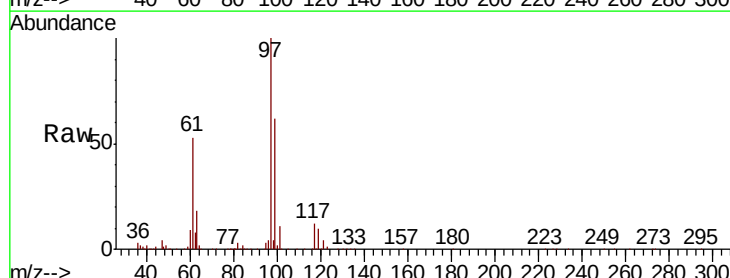
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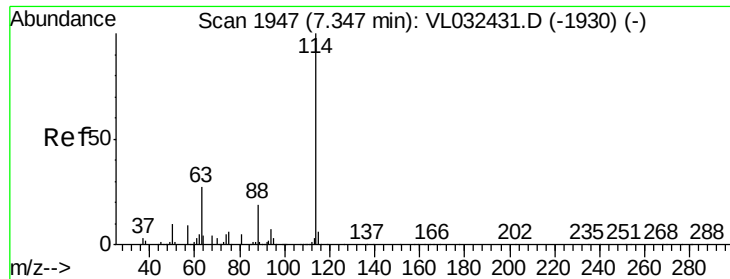
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#32
 1,1,1-Trichloroethane
 Concen: 2.26 ppbv
 RT: 6.67 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	64.4	52.1	78.1
61	52.9	42.6	64.0





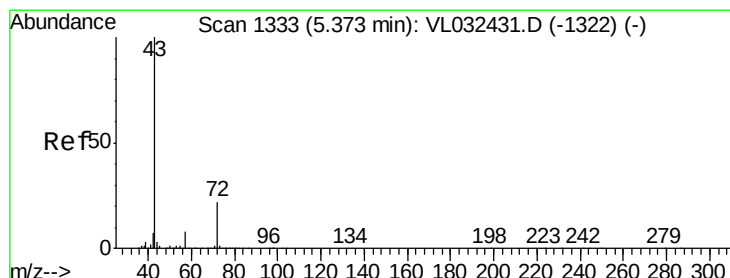
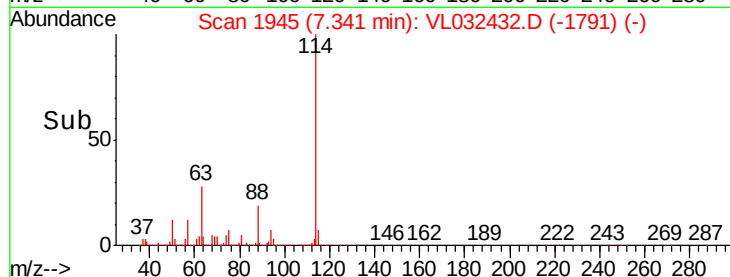
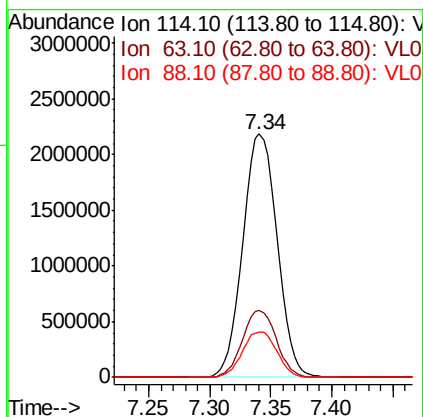
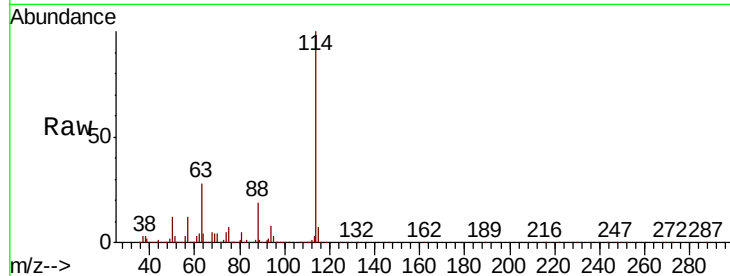
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.1	33.1
88	18.7	15.0	22.6

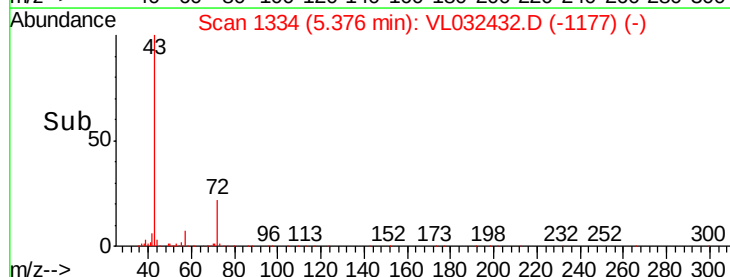
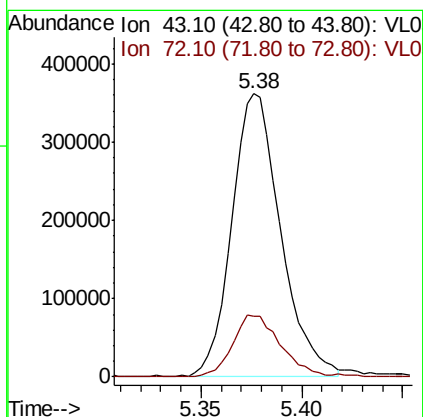
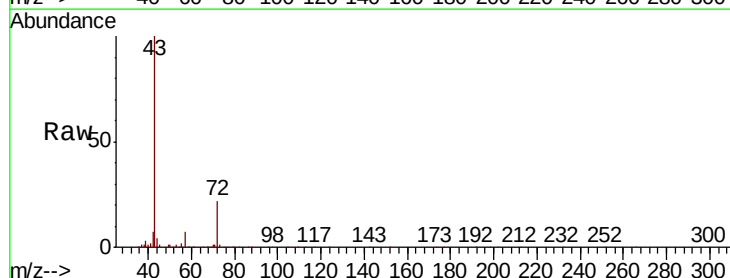
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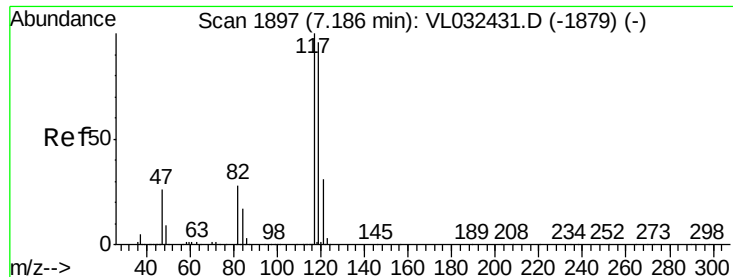
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#34
 2-Butanone
 Concen: 2.25 ppbv
 RT: 5.38 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.8	26.6





#35

Carbon Tetrachloride

Concen: 2.19 ppbv

RT: 7.18 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

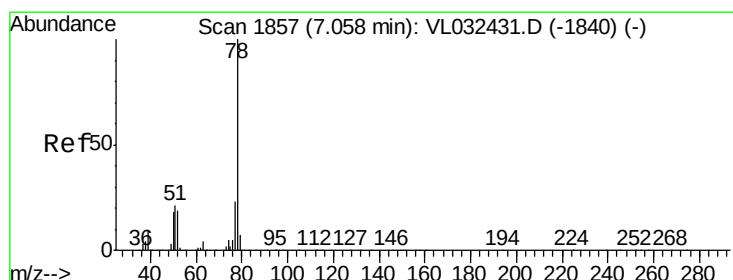
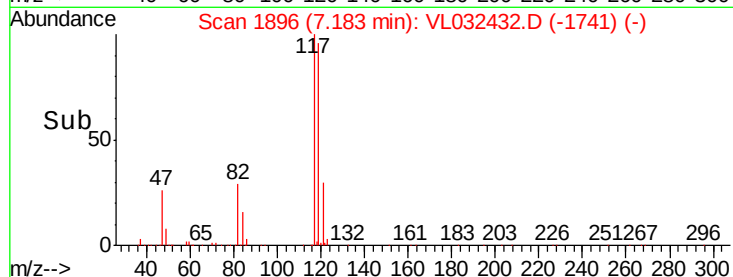
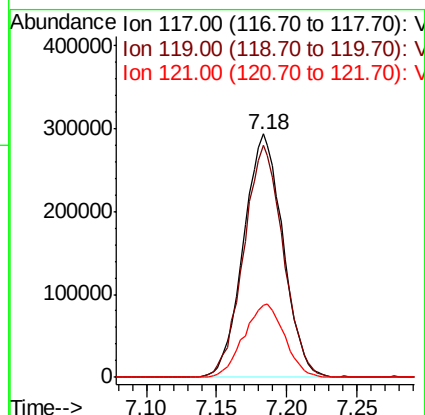
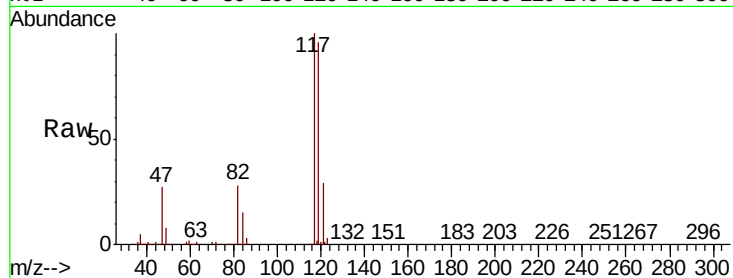
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	575187
Ion Ratio	Lower	Upper	
117	100		
119	95.6	76.6	115.0
121	29.4	24.6	36.8

Manual Integrations
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#36

Benzene

Concen: 2.17 ppbv

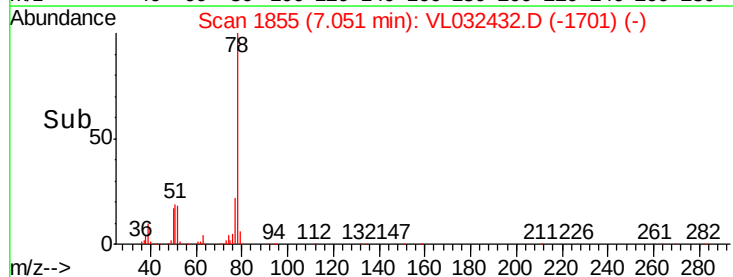
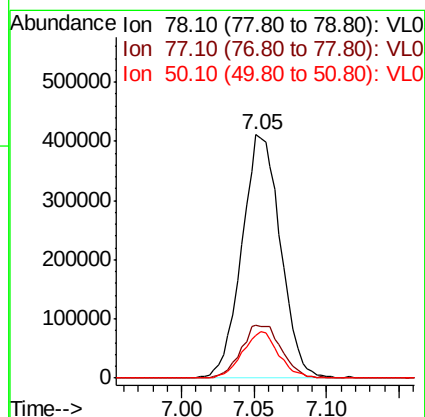
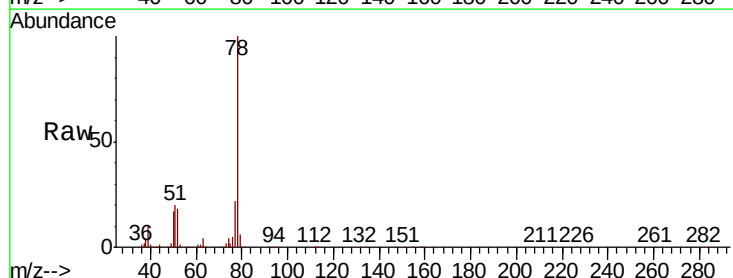
RT: 7.05 min Scan# 1855

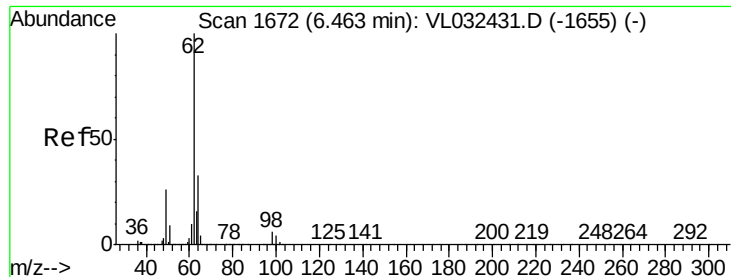
Delta R.T. -0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	78	Resp:	762551
Ion Ratio	Lower	Upper	
78	100		
77	21.9	18.4	27.6
50	17.3	14.4	21.6





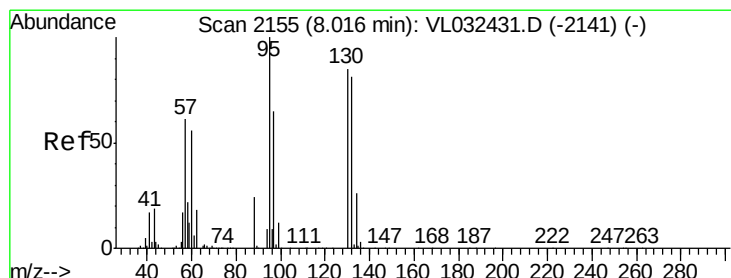
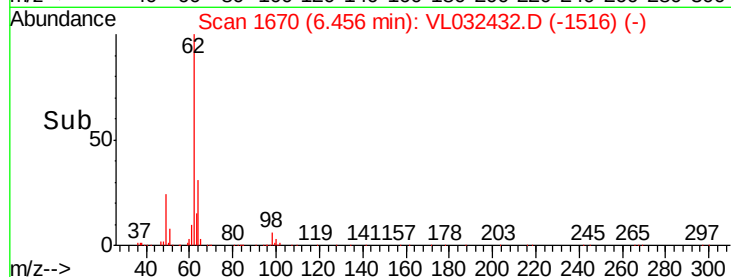
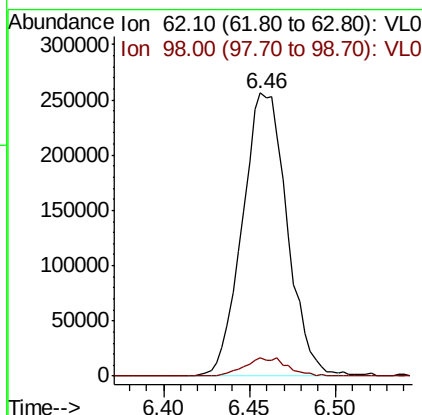
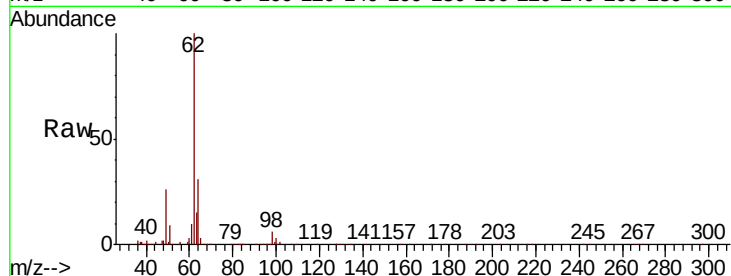
#37
 1,2-Dichloroethane
 Concen: 2.12 ppbv
 RT: 6.46 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	461736		
98	6.3	5.0	7.6	

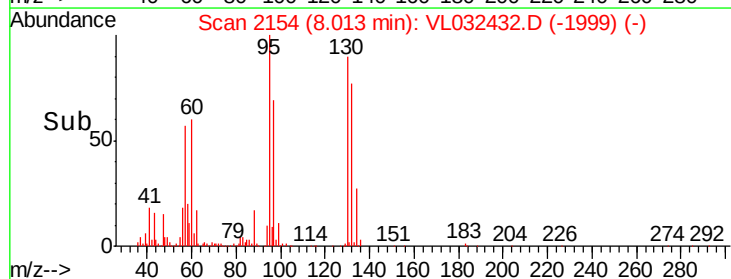
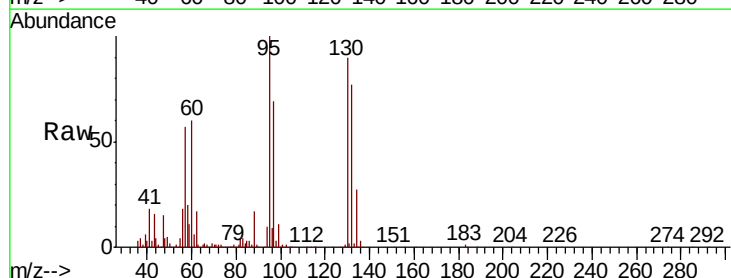
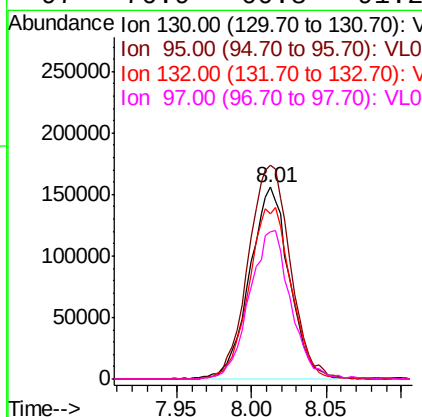
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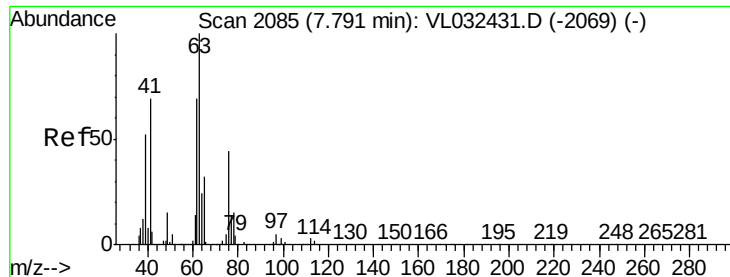
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#38
 Trichloroethene
 Concen: 2.44 ppbv
 RT: 8.01 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	286274		
95	111.7	94.2	141.4	
132	86.3	76.2	114.4	
97	76.9	60.8	91.2	





#39

1,2-Dichloropropane

Concen: 2.20 ppbv

RT: 7.78 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

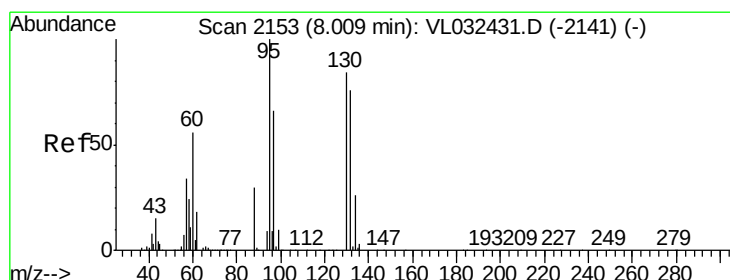
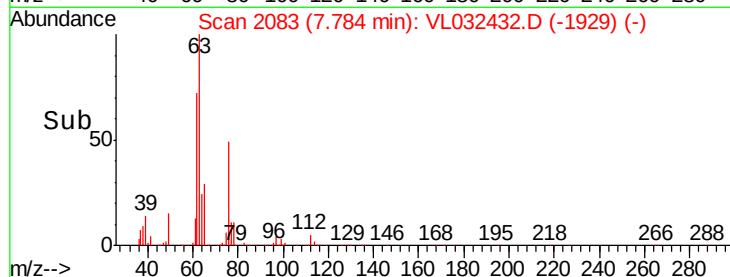
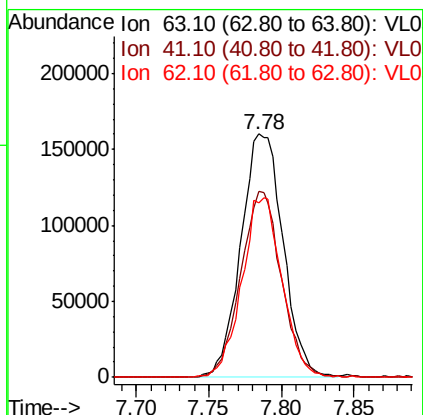
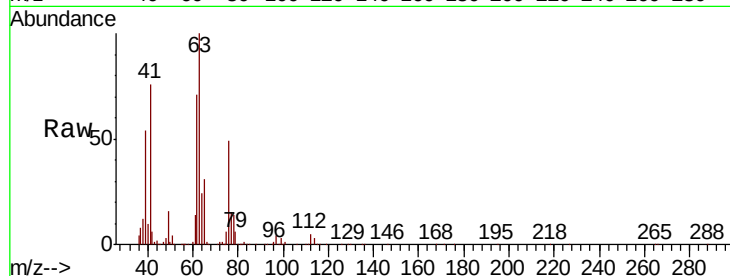
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	324616
Ion Ratio		Lower	Upper
63	100		
41	76.0	55.4	83.0
62	71.3	55.4	83.0

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#40

1,4-Dioxane

Concen: 1.96 ppbv

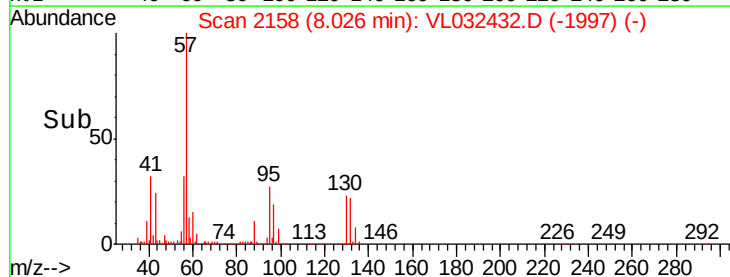
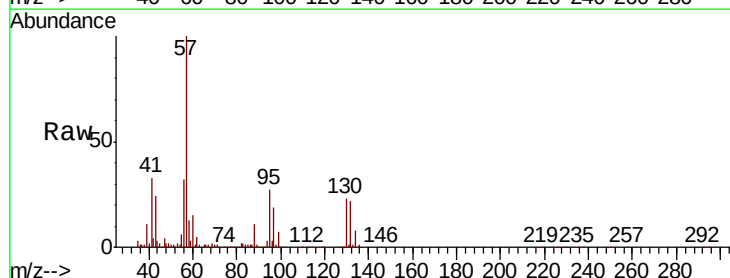
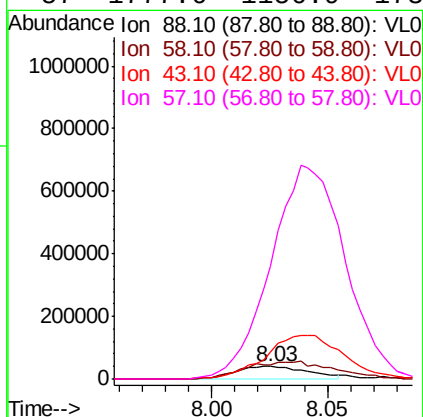
RT: 8.03 min Scan# 2158

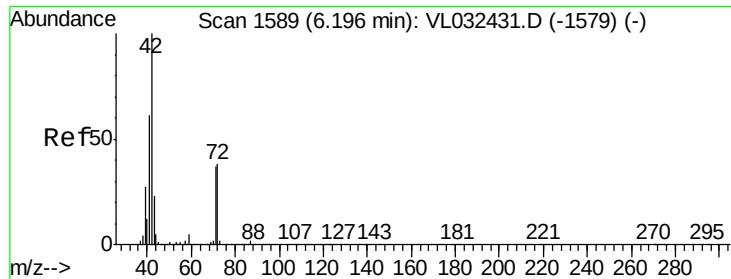
Delta R.T. 0.02 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	88	Resp:	86013
Ion Ratio		Lower	Upper
88	100		
58	179.0	119.7	179.5
43	380.3	253.0	379.4#
57	1777.6	1156.9	1735.3#





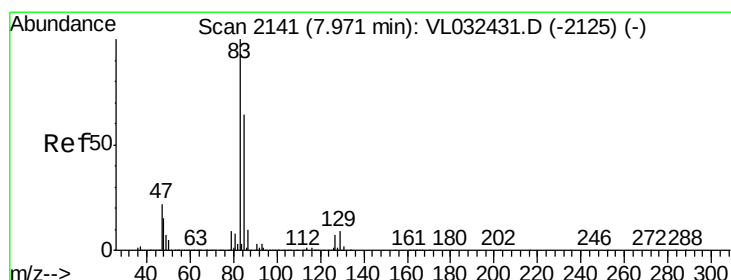
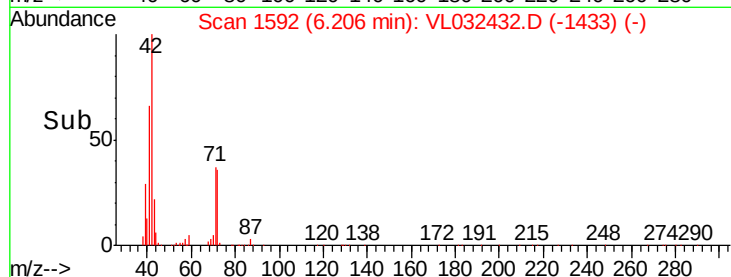
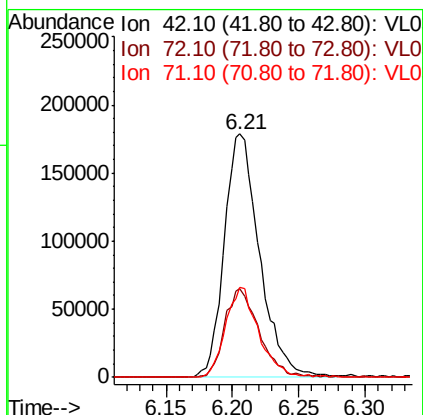
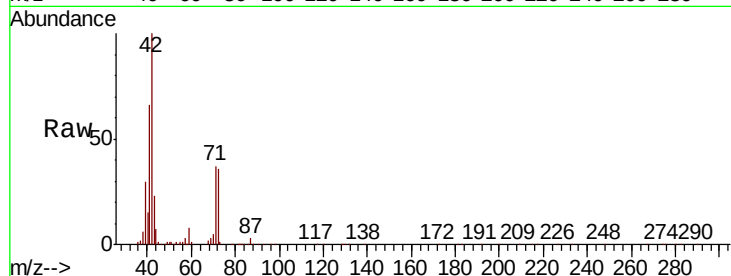
#41
Tetrahydrofuran
Concen: 2.28 ppbv
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.5	44.3
71	34.8	28.3	42.5

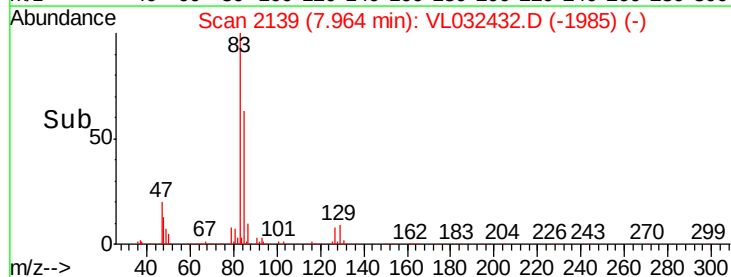
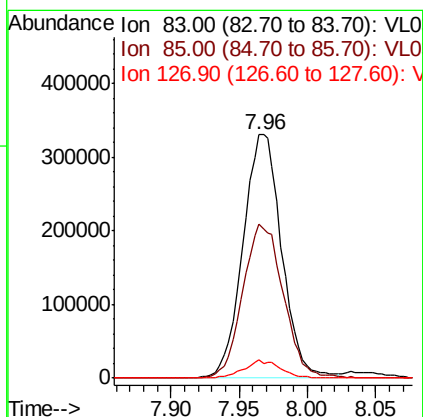
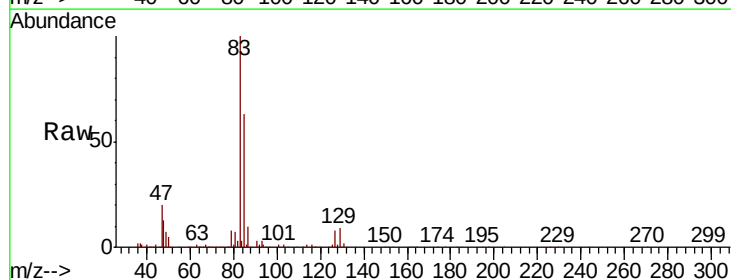
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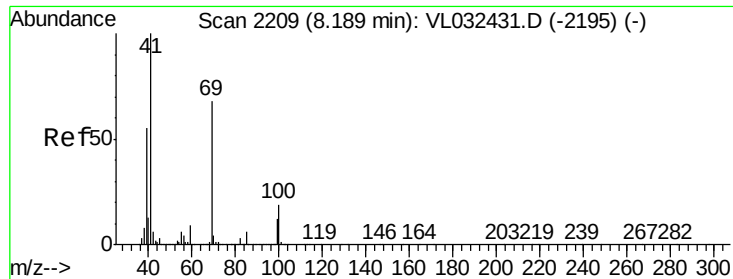
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#42
Bromodichloromethane
Concen: 2.19 ppbv
RT: 7.96 min Scan# 2139
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.6	5.8	8.8





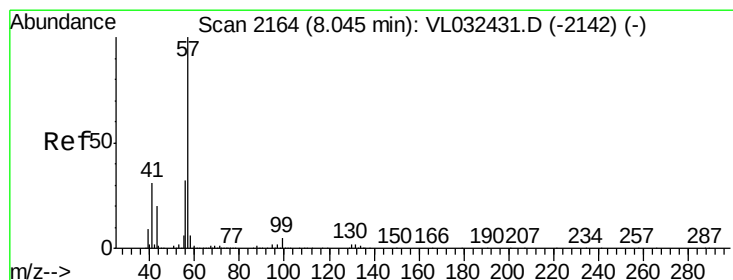
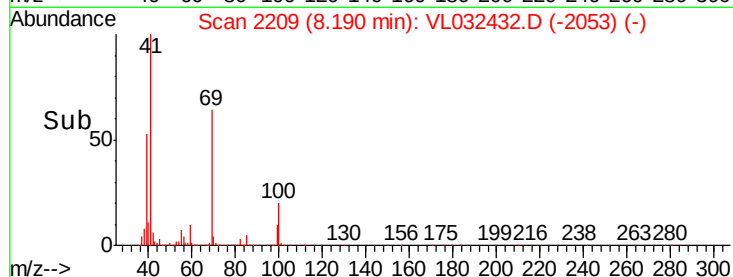
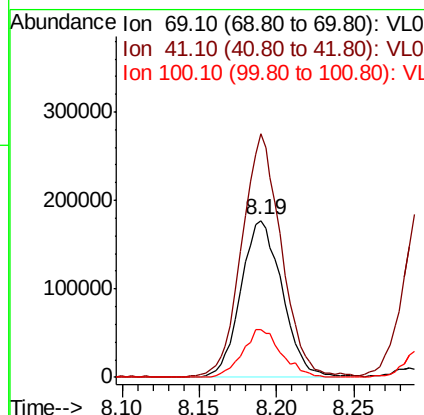
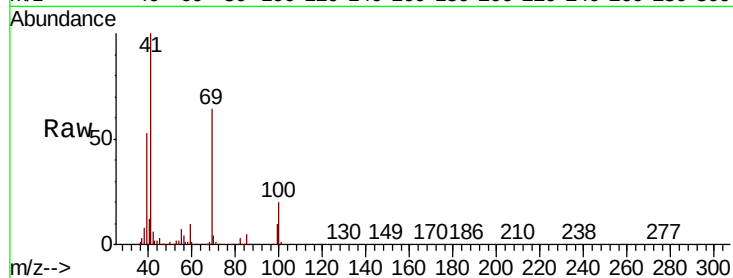
#43
Methyl Methacrylate
Concen: 2.28 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.6	117.2	175.8
100	28.7	23.4	35.2

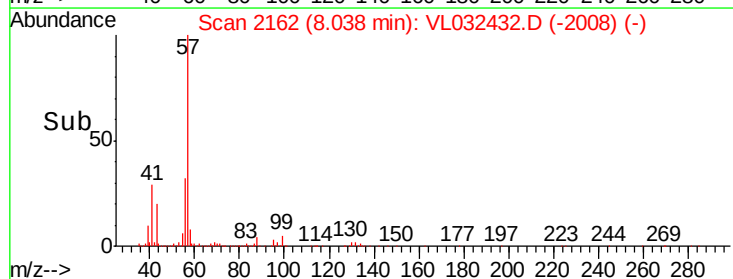
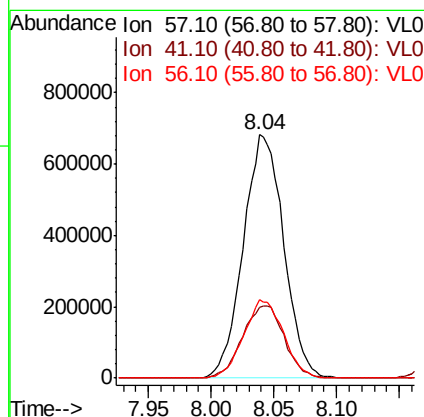
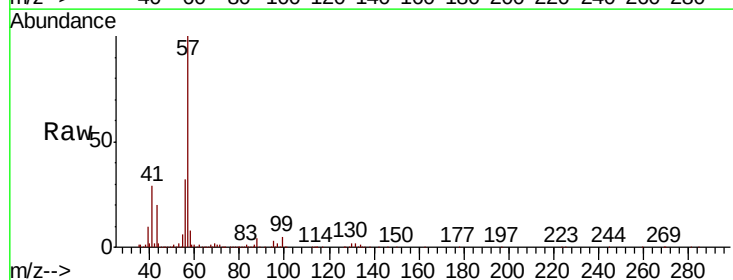
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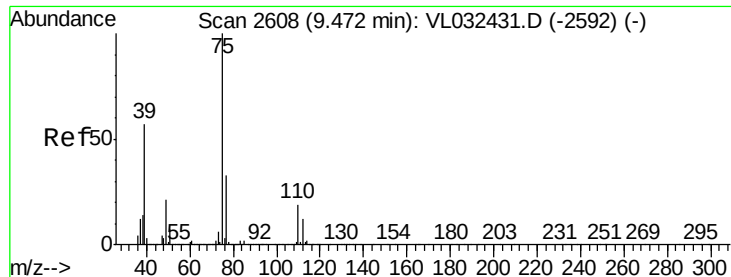
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#44
2,2,4-Trimethylpentane
Concen: 2.33 ppbv
RT: 8.04 min Scan# 2162
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.3	36.5
56	31.9	25.7	38.5





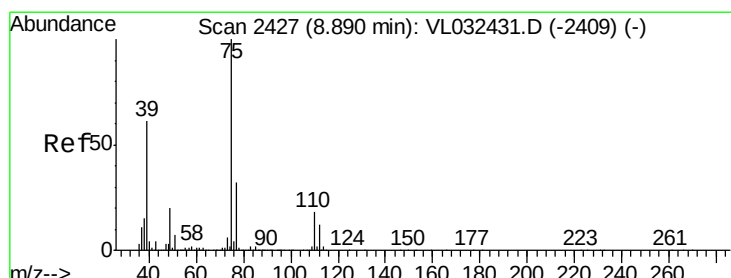
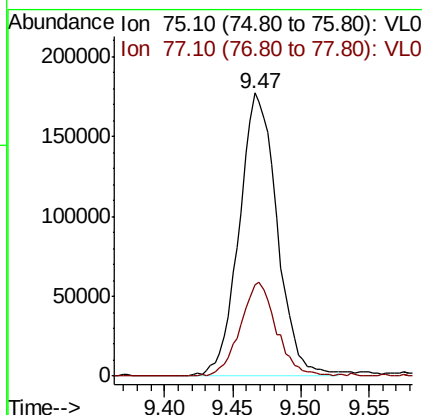
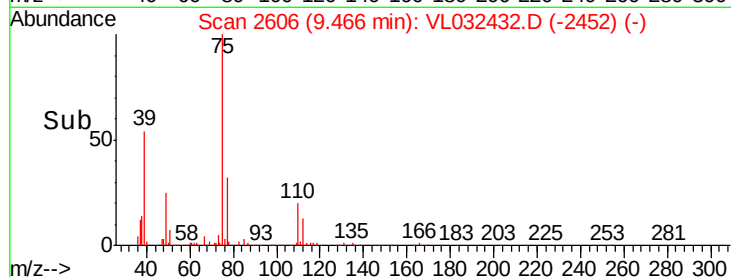
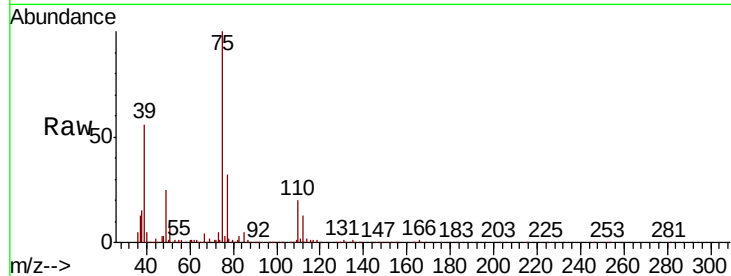
#45
t-1,3-Dichloropropene
Concen: 2.00 ppbv
RT: 9.47 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2

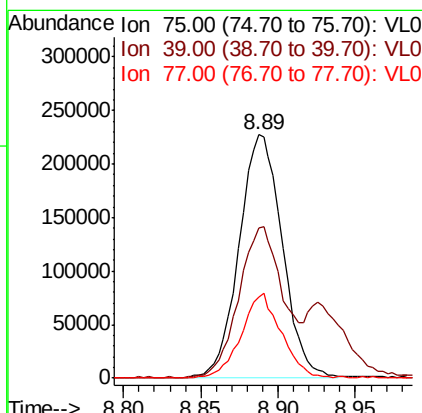
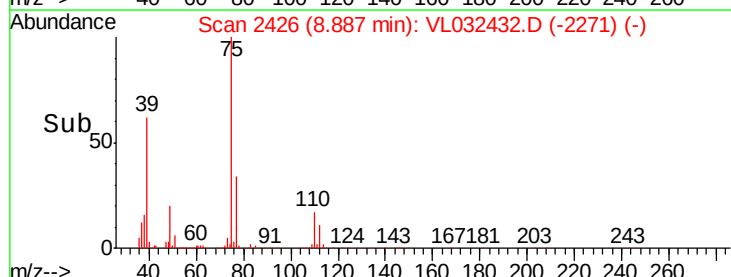
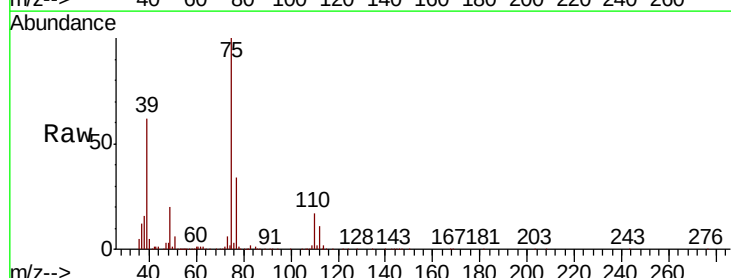
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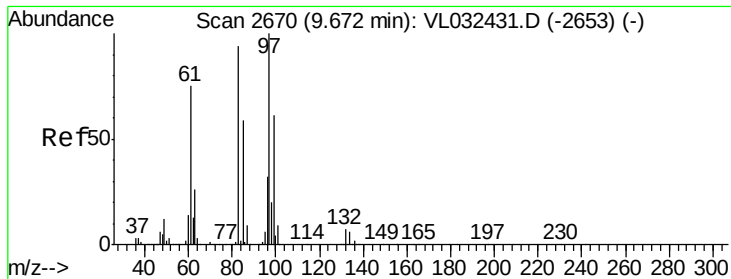
apatel
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#46
cis-1,3-Dichloropropene
Concen: 2.09 ppbv
RT: 8.89 min Scan# 2426
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
75	100		
39	61.3	48.9	73.3
77	33.6	25.4	38.0





#47

1,1,2-Trichloroethane

Concen: 2.28 ppbv

RT: 9.67 min Scan# 2668

Delta R.T. -0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

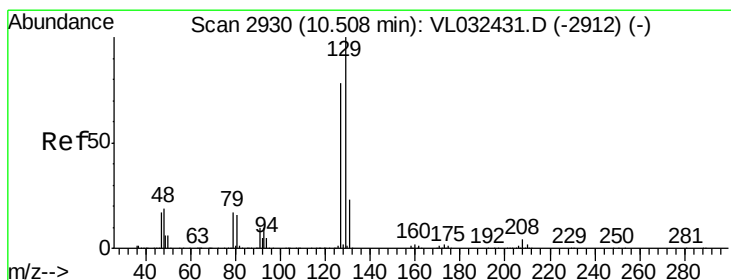
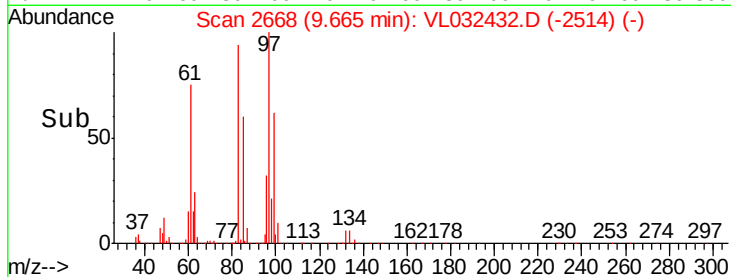
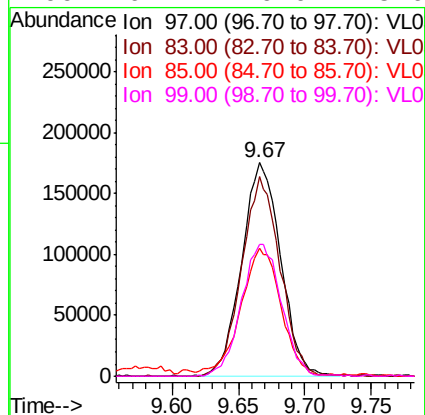
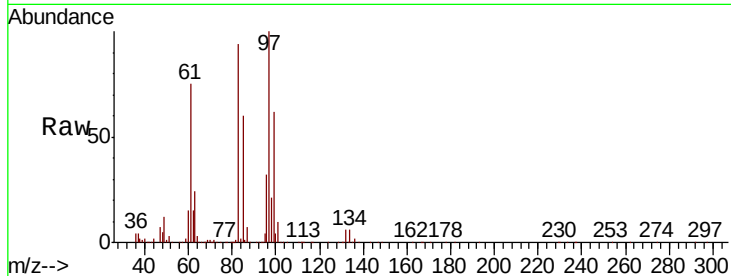
ClientSampleId :

VSTDIC002

Tot Ion:	97	Resp:	359173
Ion	Ratio	Lower	Upper
97	100		
83	93.7	75.0	112.4
85	59.4	47.5	71.3
99	61.7	49.0	73.6

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#48

Dibromochloromethane

Concen: 2.16 ppbv

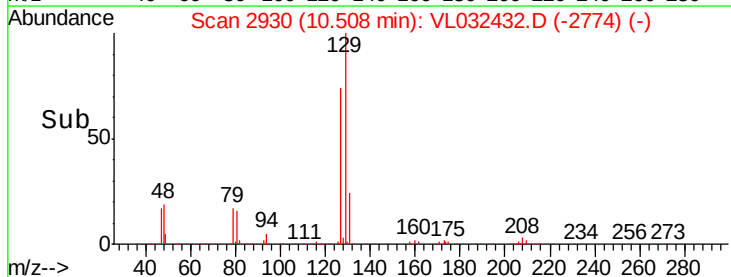
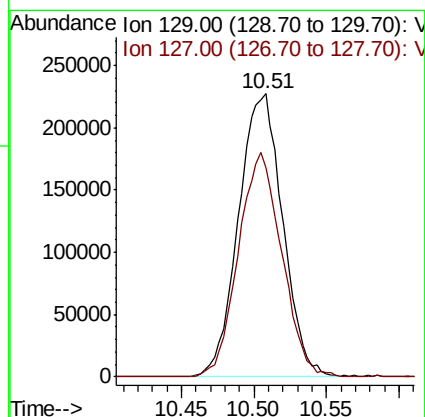
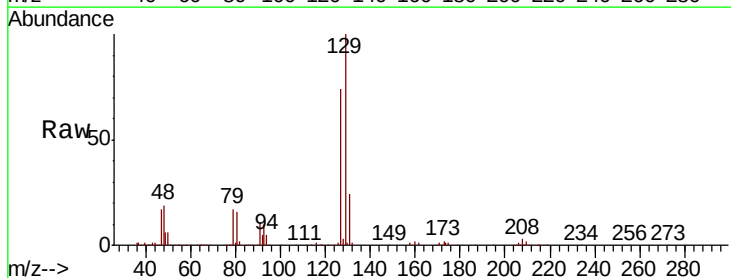
RT: 10.51 min Scan# 2930

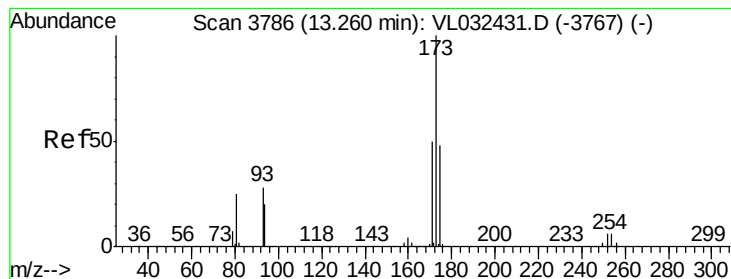
Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	129	Resp:	479845
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.3





#49

Bromoform

Concen: 2.18 ppbv

RT: 13.25 min Scan# 3783

Delta R.T. -0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

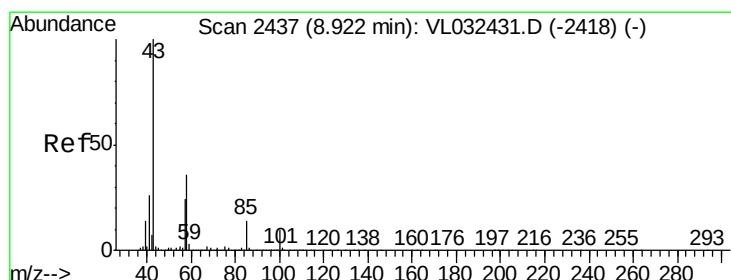
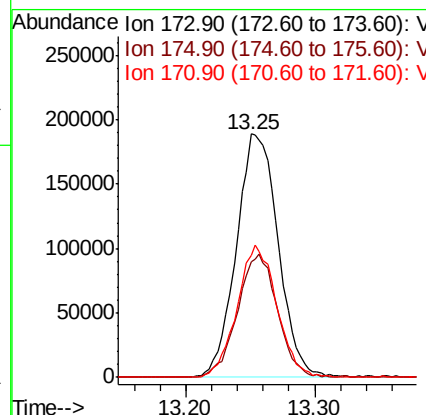
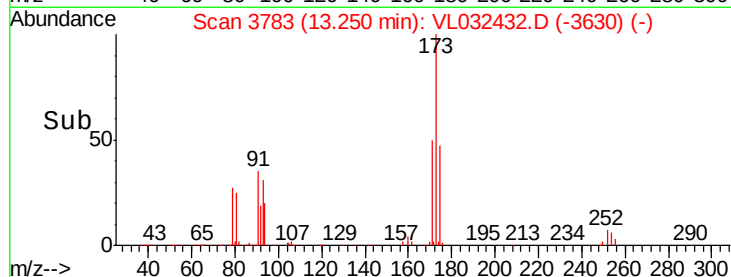
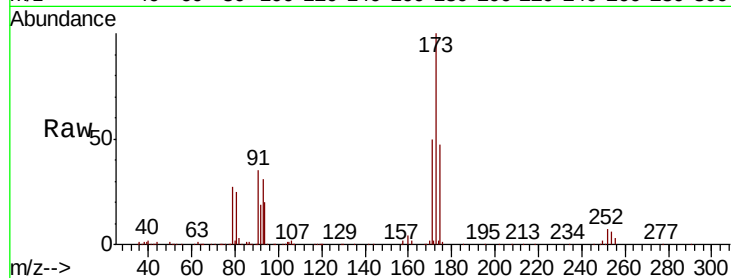
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	426535
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.9	58.3
171	51.6	41.6	62.4

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#50

4-Methyl-2-Pentanone

Concen: 2.26 ppbv

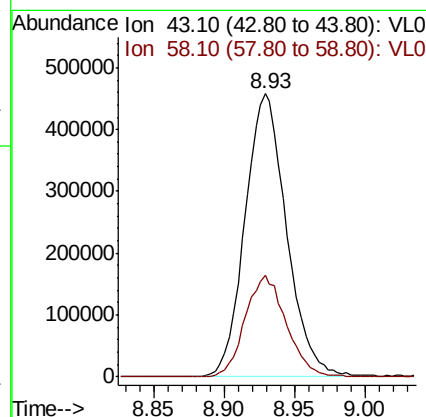
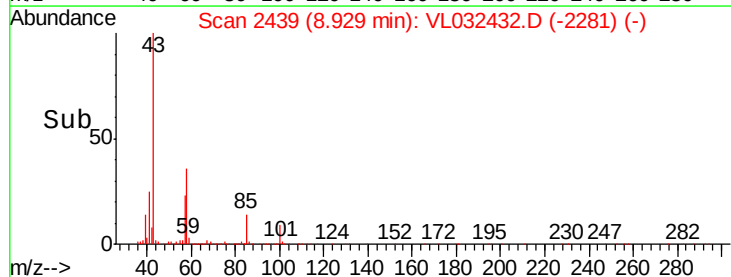
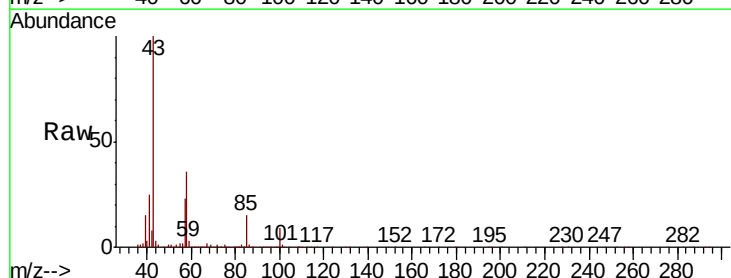
RT: 8.93 min Scan# 2439

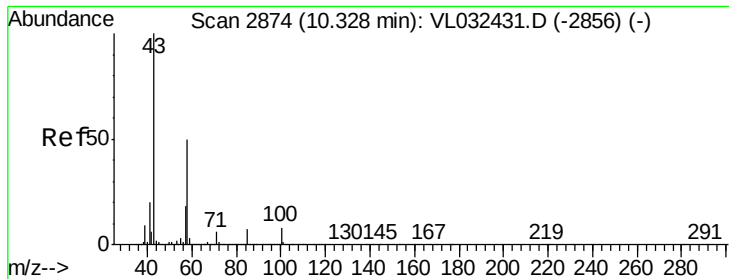
Delta R.T. 0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	43	Resp:	943529
Ion Ratio	Lower	Upper	
43	100		
58	35.5	28.9	43.3





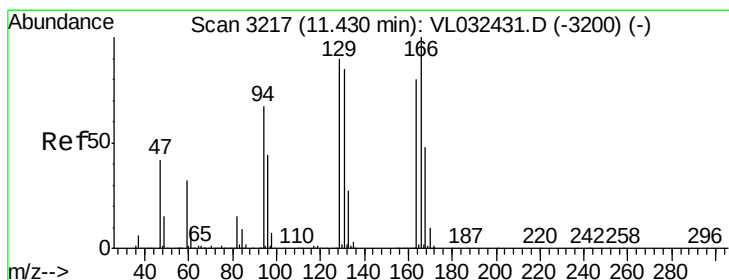
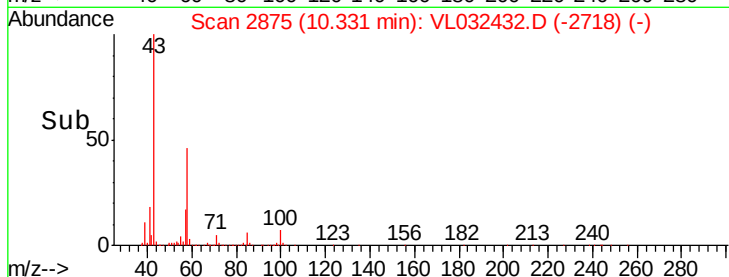
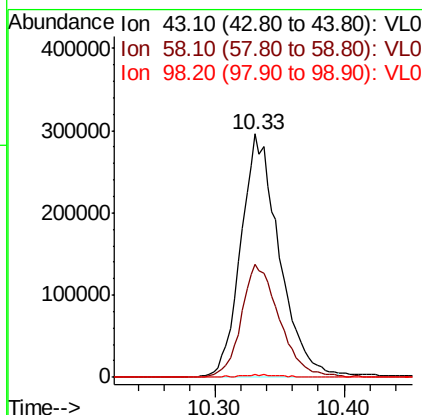
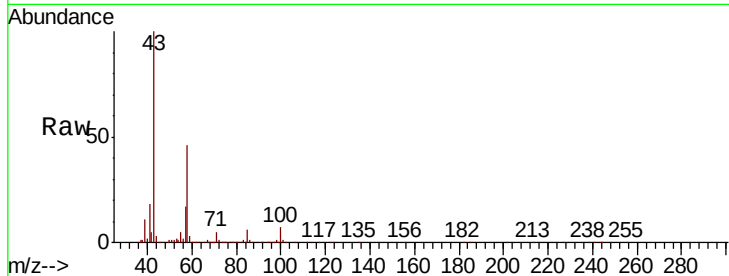
#51
2-Hexanone
Concen: 2.22 ppbv
RT: 10.33 min Scan# 2875
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.2	39.2	58.8
98	1.2	0.4	0.6

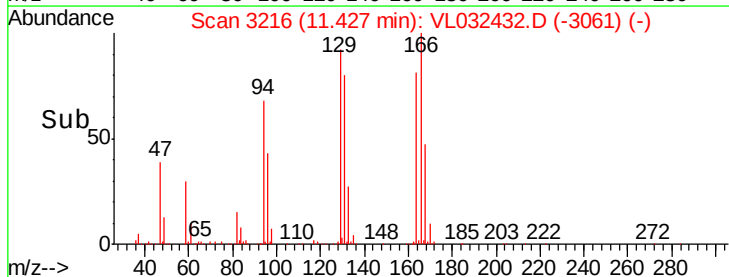
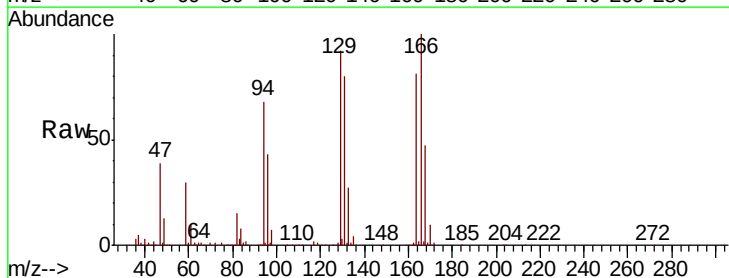
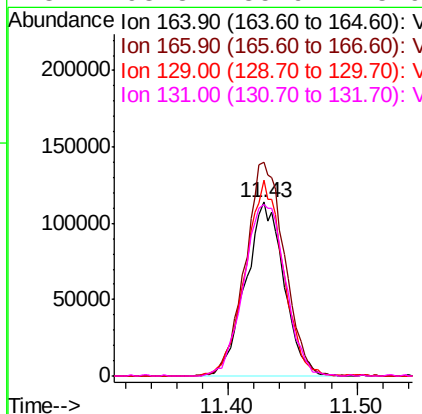
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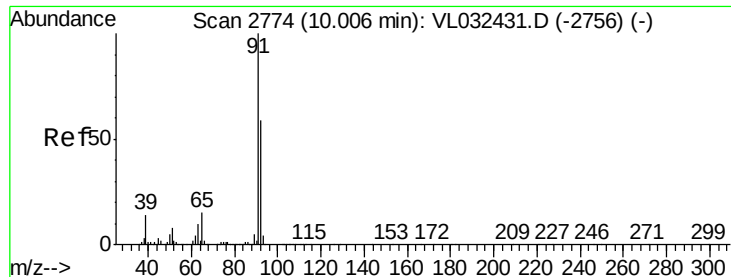
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#52
Tetrachloroethene
Concen: 2.35 ppbv
RT: 11.43 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	100.6	150.8
129	113.1	89.9	134.9
131	98.8	85.9	128.9





#53

Toluene

Concen: 2.43 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 893664

Ion Ratio Lower Upper

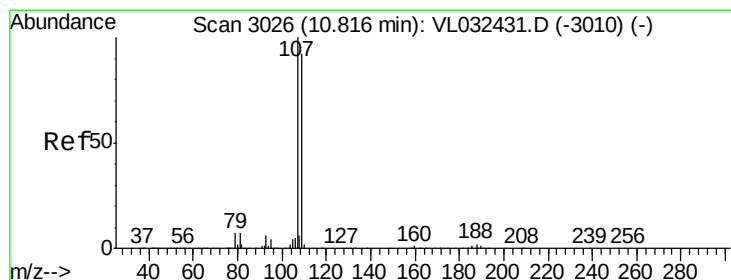
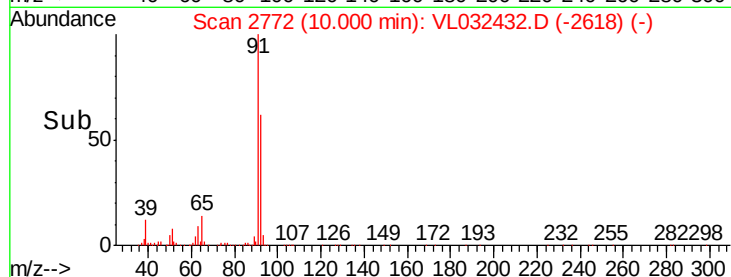
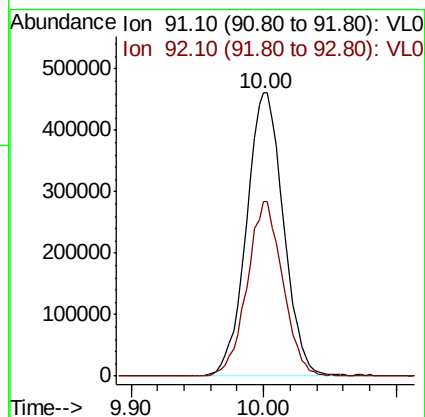
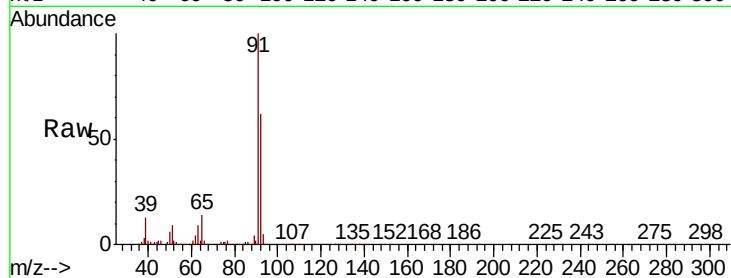
91 100

92 59.4 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 1.95 ppbv

RT: 10.82 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VL032432.D

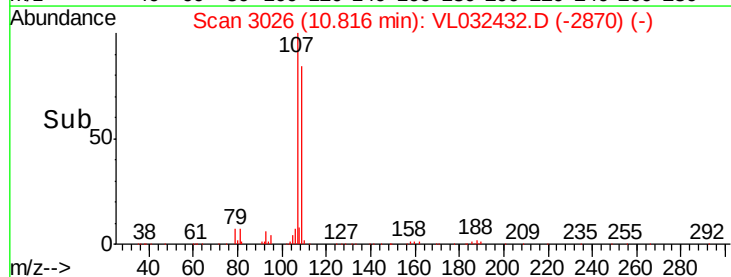
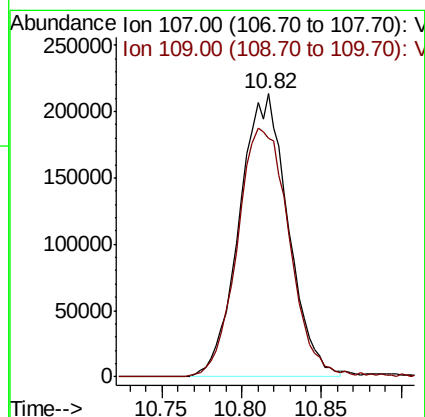
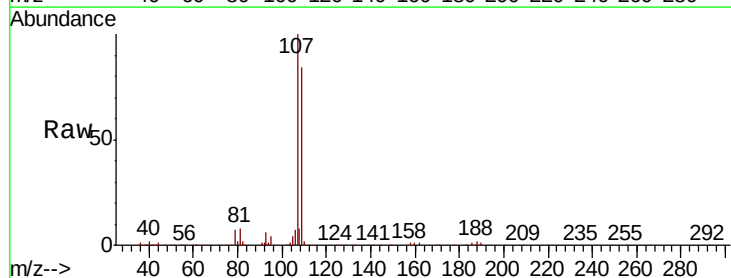
Acq: 31 Aug 2018 1:11

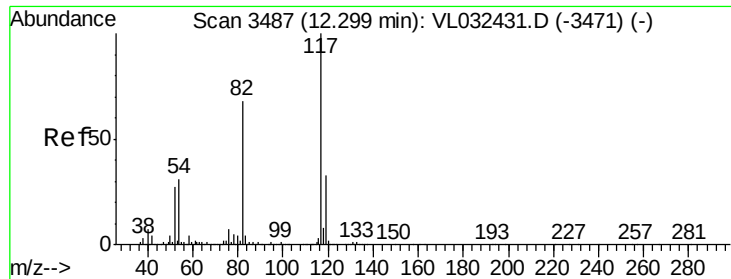
Tgt Ion: 107 Resp: 445175

Ion Ratio Lower Upper

107 100

109 84.0 73.9 110.9





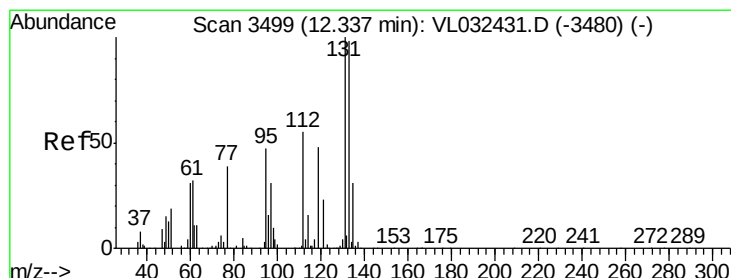
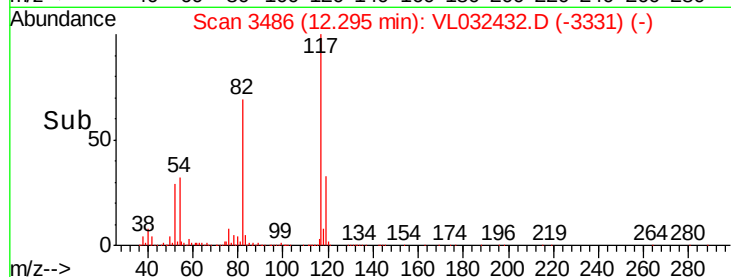
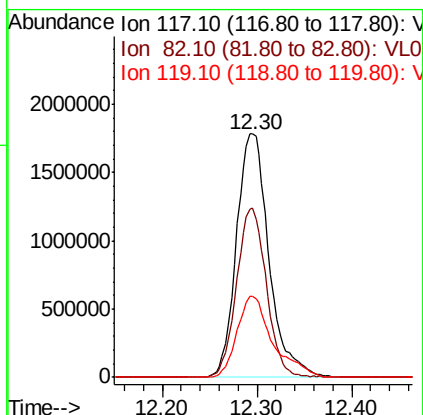
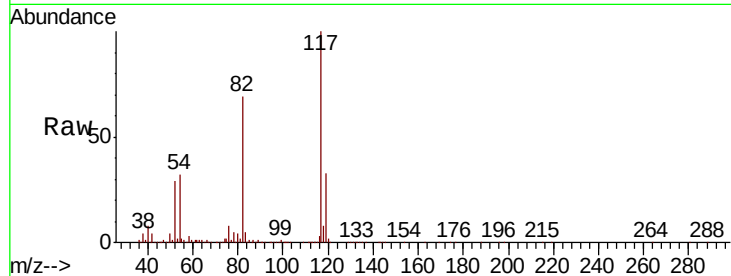
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.9	51.5	77.3
119	36.6	44.6	66.8#

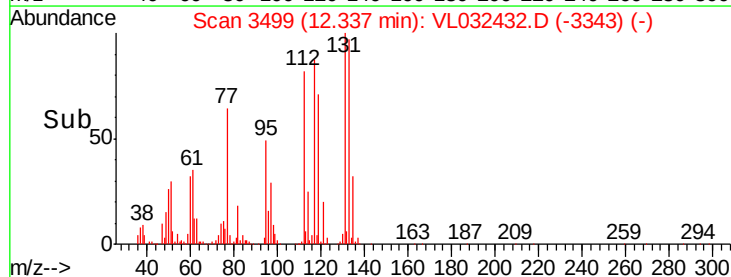
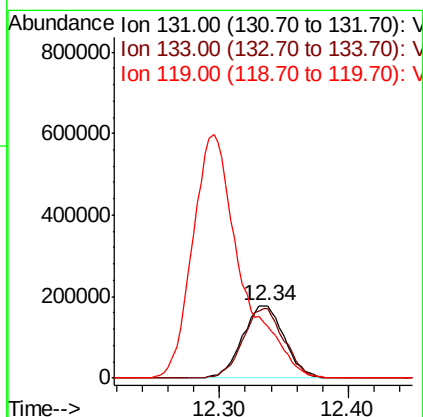
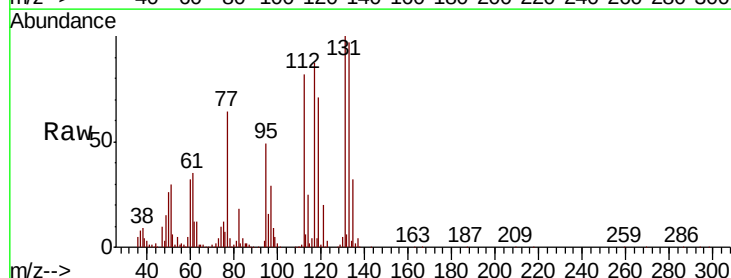
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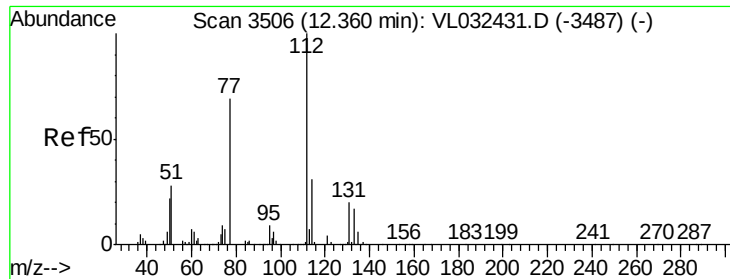
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.19 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	77.0	115.4
119	388.7	48.9	73.3#





#57

Chlorobenzene

Concen: 2.20 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

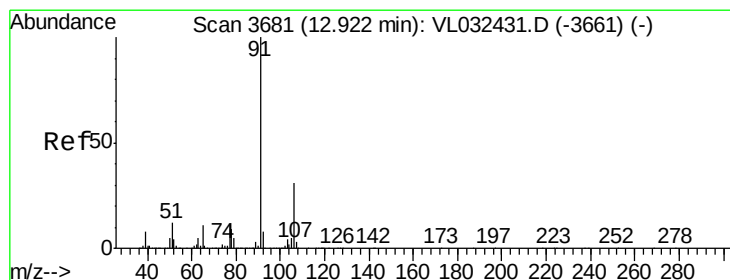
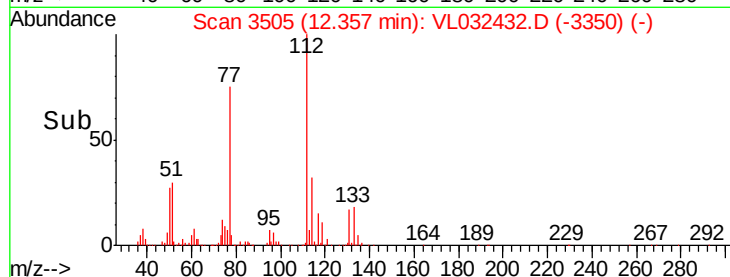
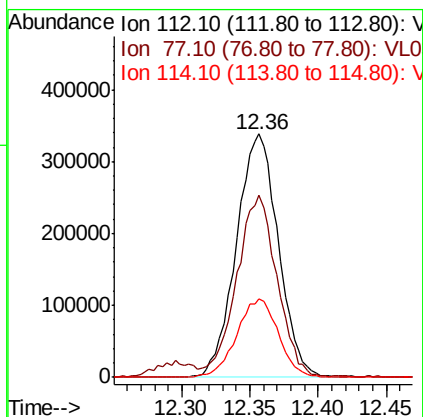
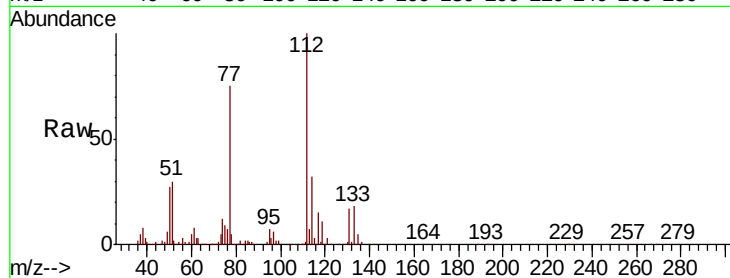
ClientSampled :

VSTDIC002

Tot Ion:	112	Resp:	718571
Ion Ratio	Lower	Upper	
112	100		
77	74.3	56.1	84.1
114	32.0	27.8	34.0

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#58

Ethyl Benzene

Concen: 2.34 ppbv

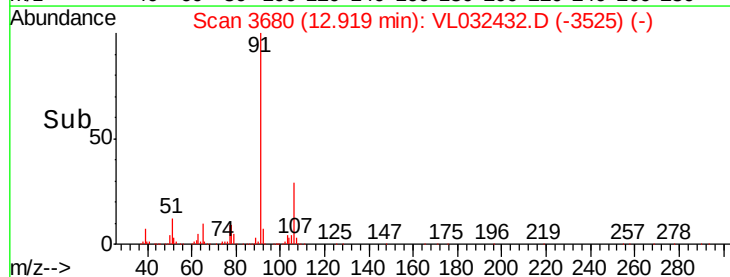
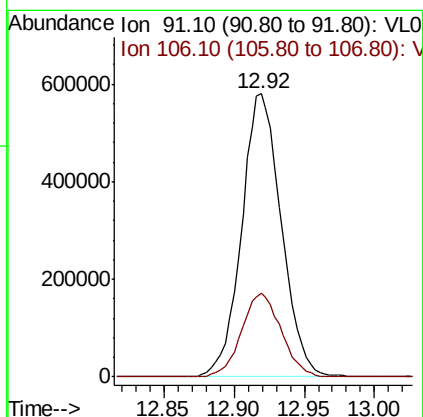
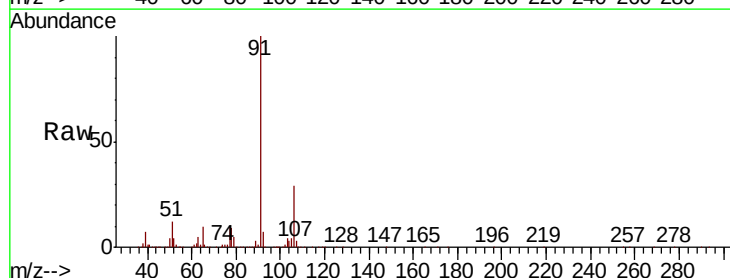
RT: 12.92 min Scan# 3680

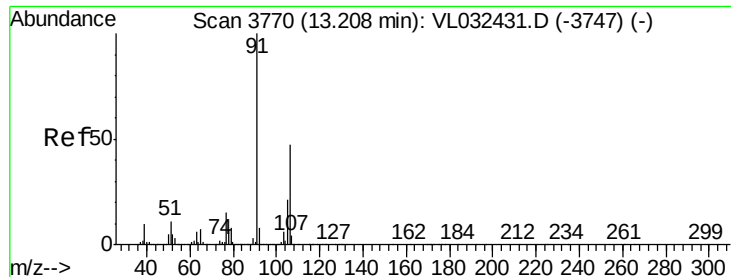
Delta R.T. -0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	91	Resp:	1137001
Ion Ratio	Lower	Upper	
91	100		
106	29.4	24.8	37.2





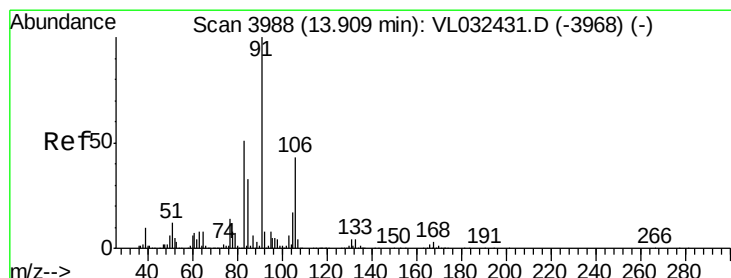
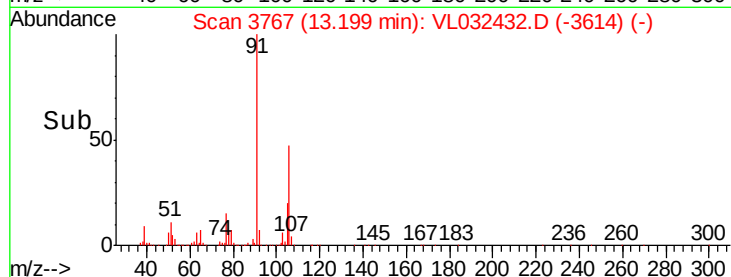
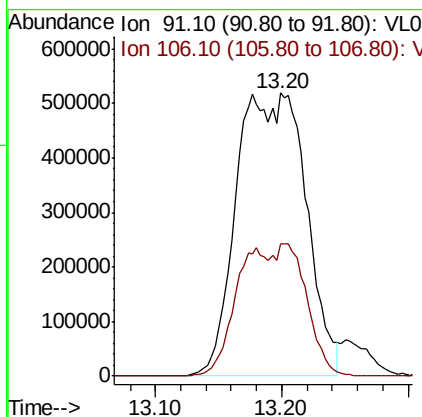
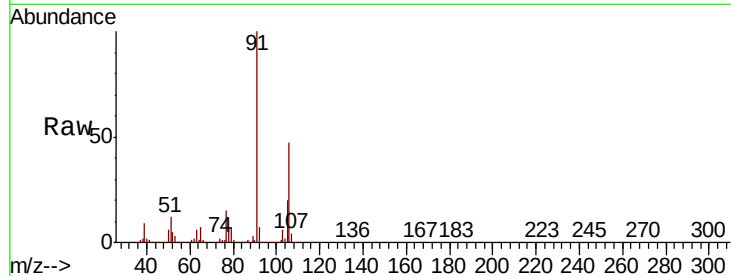
#59
m/p-Xylene
Concen: 4.57 ppbv m
RT: 13.20 min Scan# 3767
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1978540
Ion Ratio Lower Upper
91 100
106 45.2 35.0 52.6

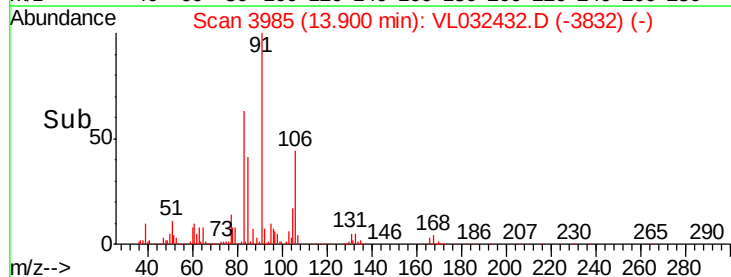
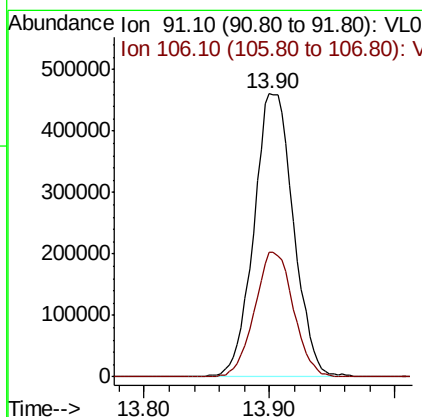
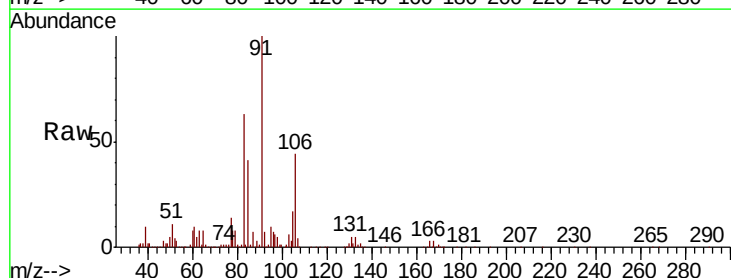
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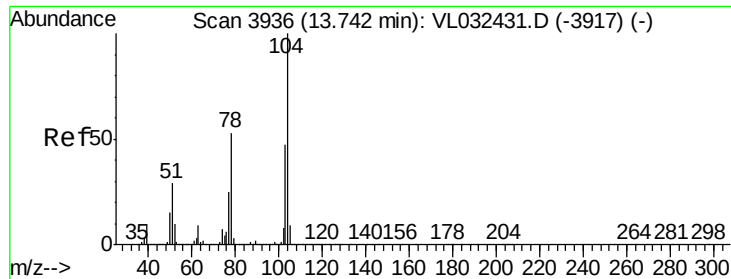
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#60
o-Xylene
Concen: 2.43 ppbv
RT: 13.90 min Scan# 3985
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 91 Resp: 1011195
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.7





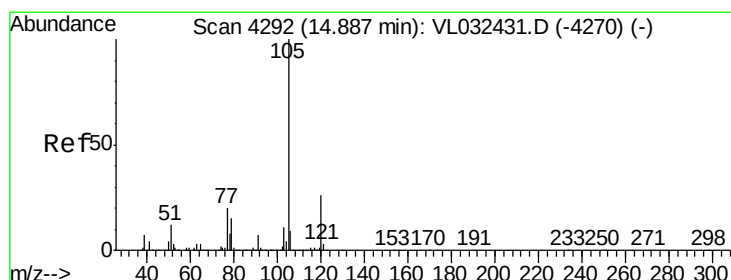
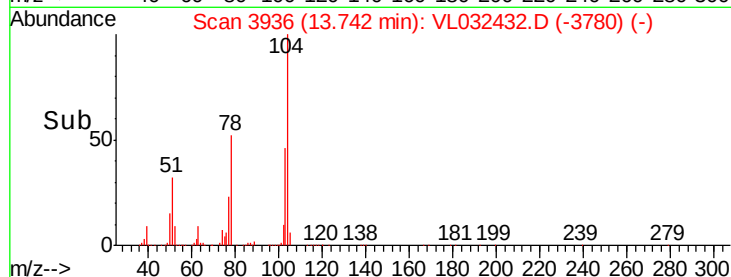
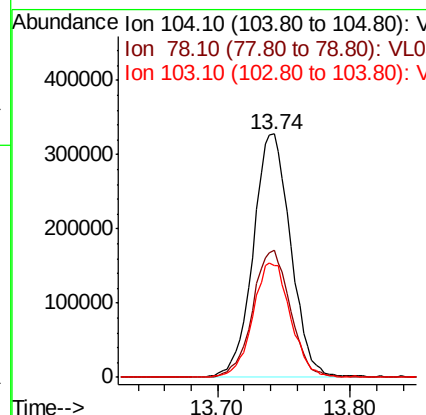
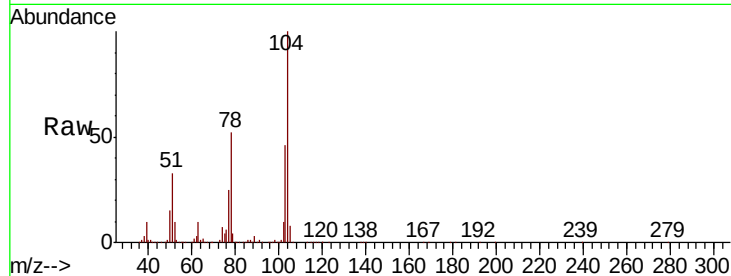
#61
Stvrene
Concen: 2.30 ppbv
RT: 13.74 min Scan# 3936
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.8	62.8
103	47.6	38.0	57.0

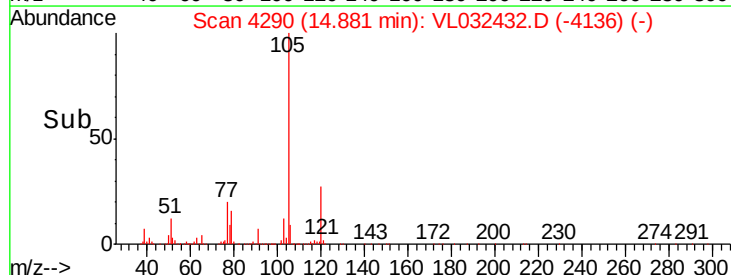
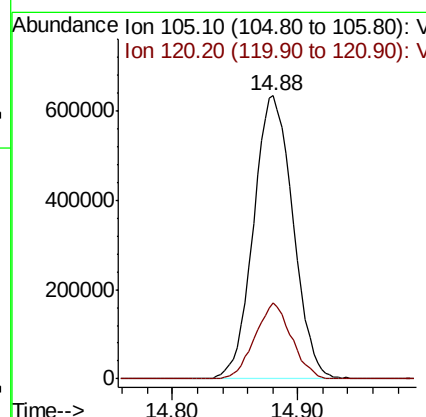
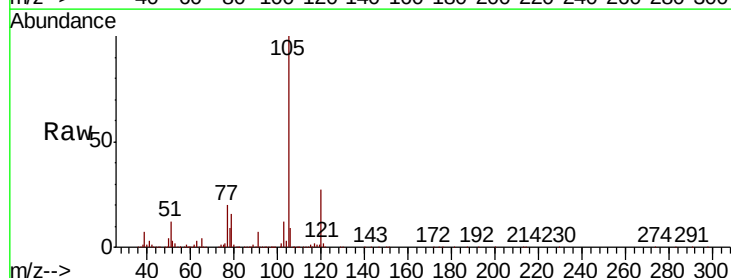
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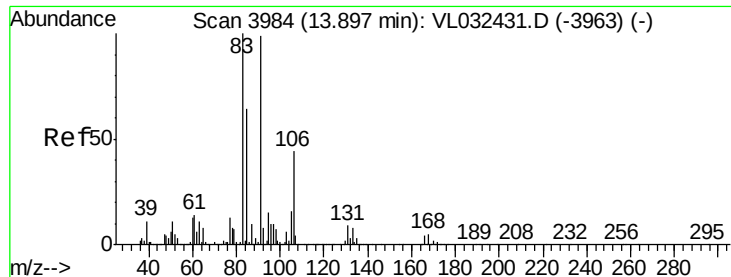
apatel
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#62
Isopropylbenzene
Concen: 2.36 ppbv
RT: 14.88 min Scan# 4290
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	31.0





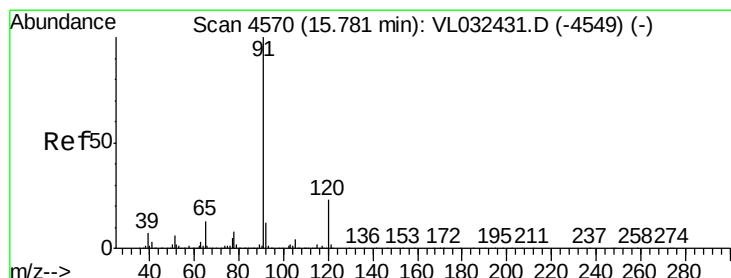
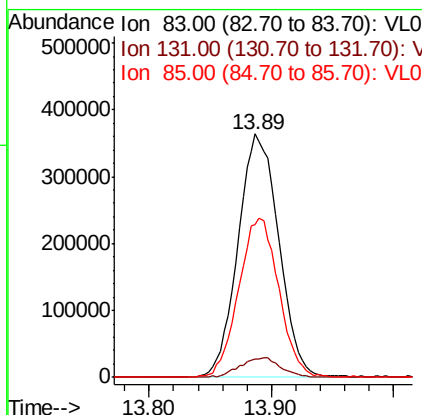
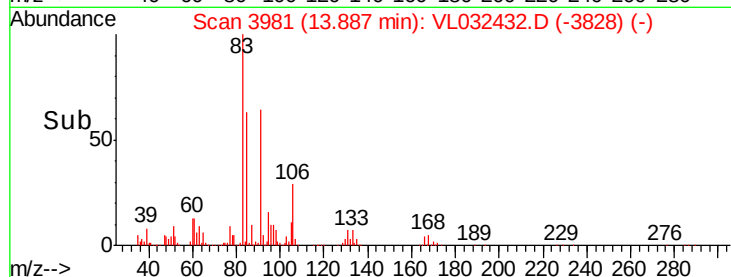
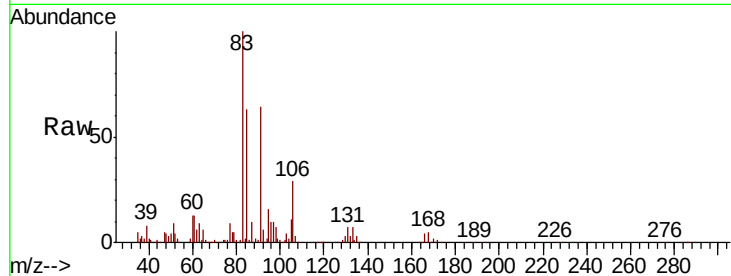
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.31 ppbv
 RT: 13.89 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.3	12.8
85	64.7	32.3	96.8

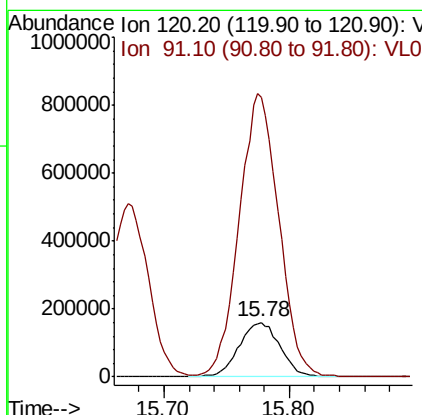
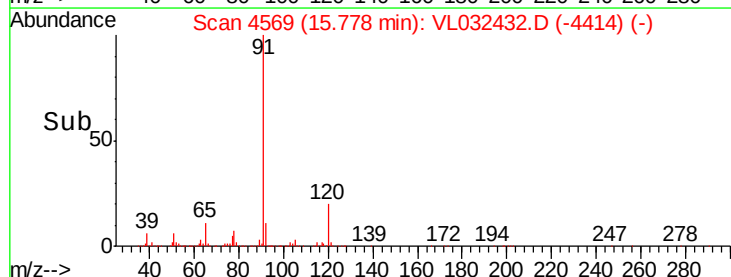
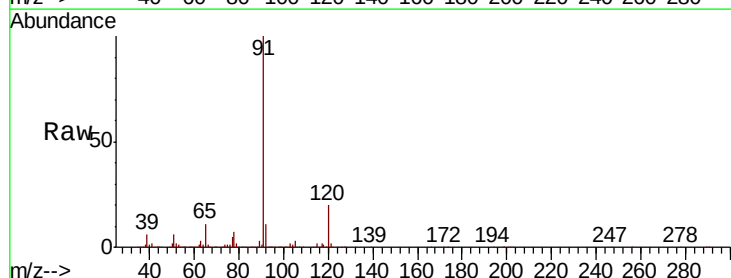
Manual Integrations
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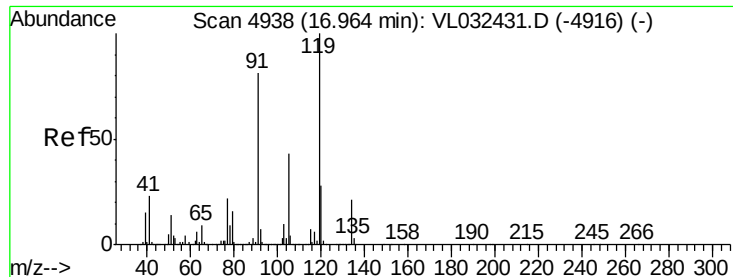
apatel
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#64
 n-propylbenzene
 Concen: 2.35 ppbv
 RT: 15.78 min Scan# 4569
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
120	100		
91	507.8	381.8	572.6





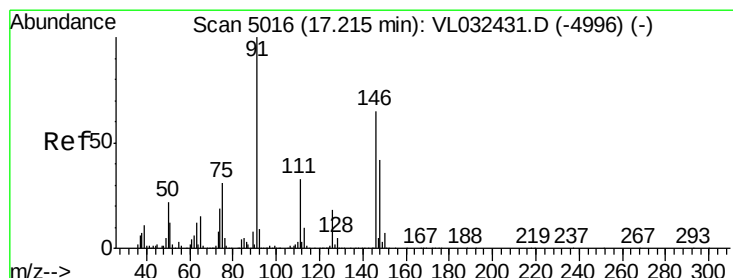
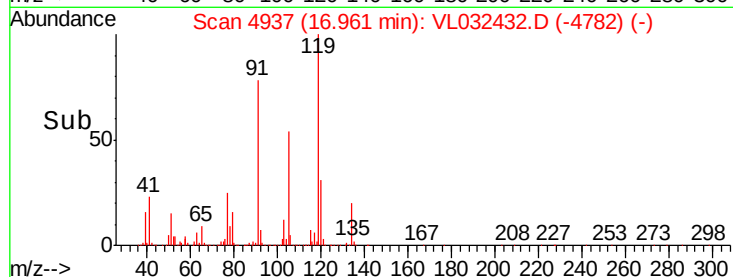
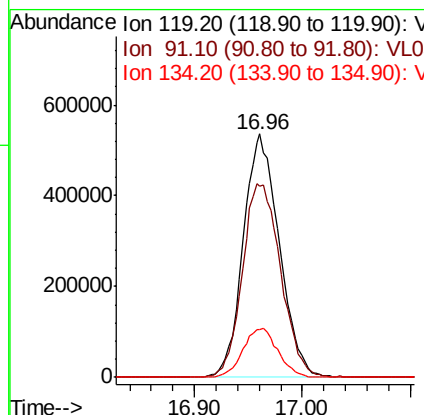
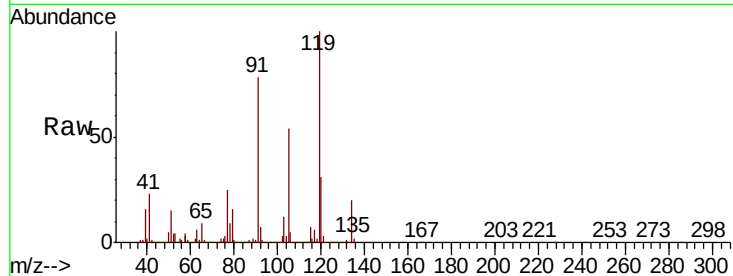
#65
 tert-Butylbenzene
 Concen: 2.45 ppbv
 RT: 16.96 min Scan# 4937
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	119	Resp:	1239017
Ion	Ratio	Lower	Upper
119	100		
91	85.0	66.5	99.7
134	19.7	16.0	24.0

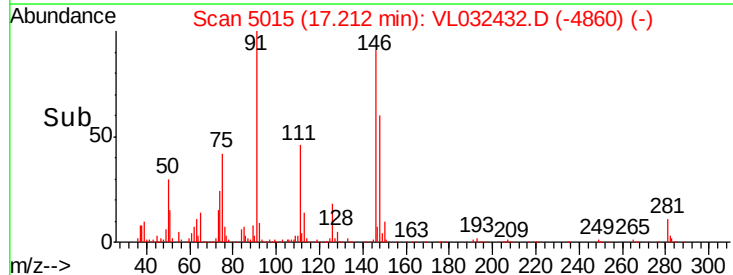
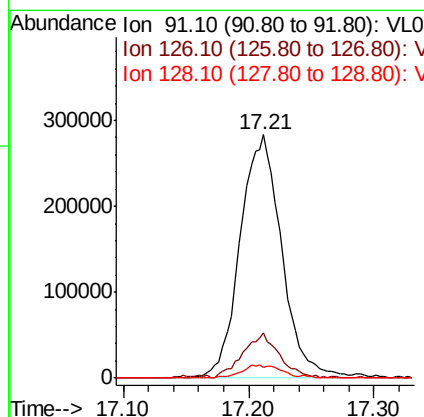
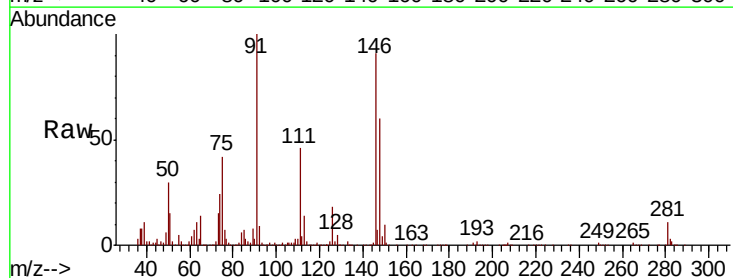
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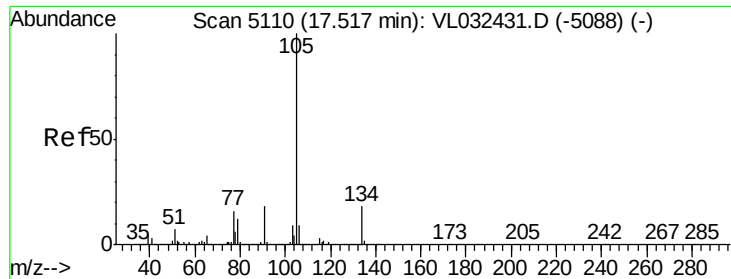
apatel
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#66
 Benzyl Chloride
 Concen: 2.06 ppbv
 RT: 17.21 min Scan# 5015
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion:	91	Resp:	644927
Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.8
128	5.4	4.4	6.6





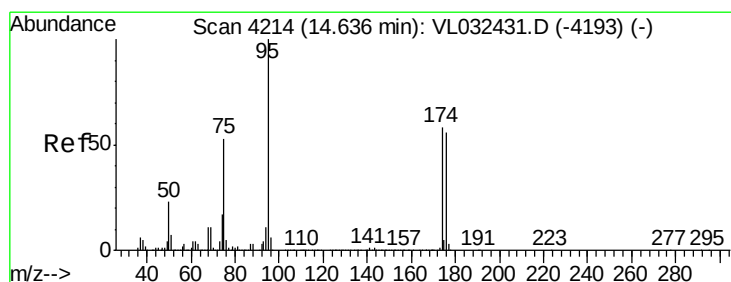
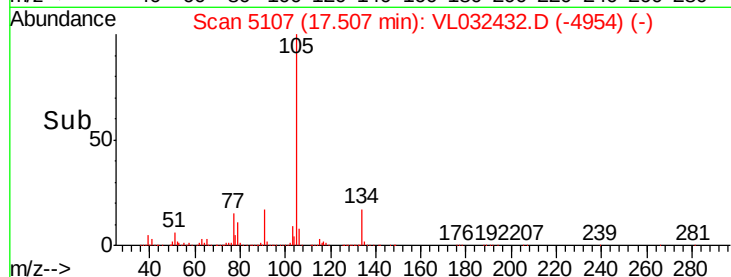
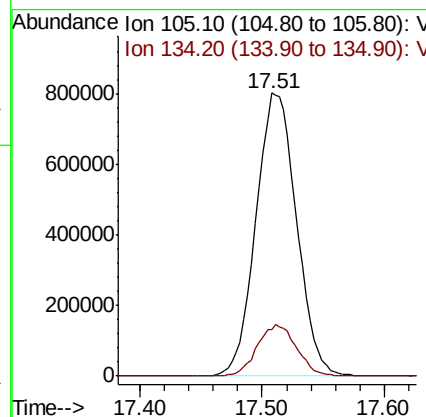
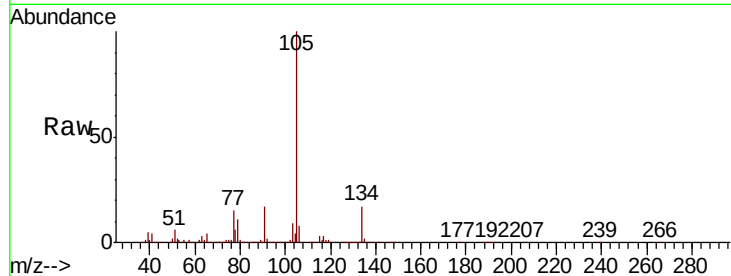
#67
 sec-Butylbenzene
 Concen: 2.45 ppbv
 RT: 17.51 min Scan# 5107
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 1841779
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.4 21.6

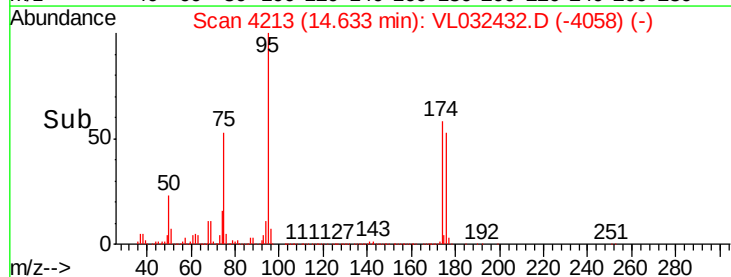
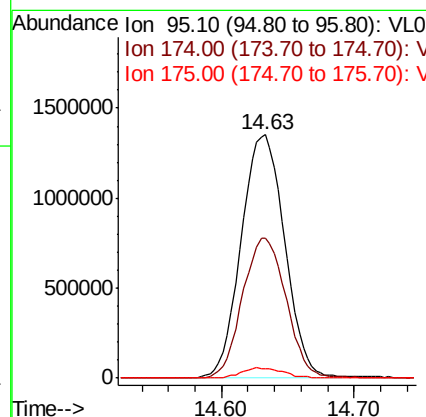
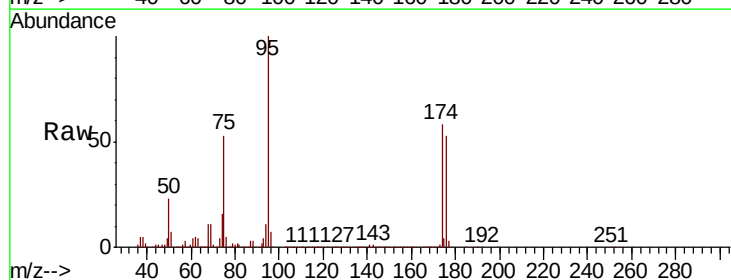
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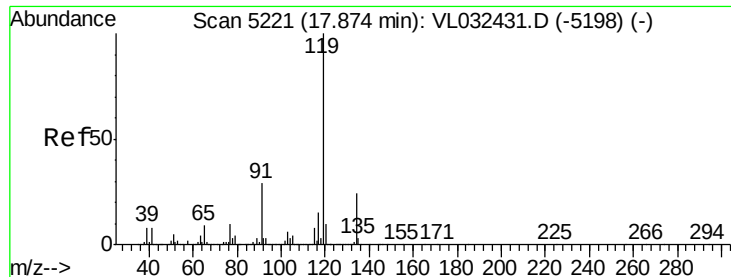
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.70 ppbv
 RT: 14.63 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion: 95 Resp: 3079753
 Ion Ratio Lower Upper
 95 100
 174 58.3 46.3 69.5
 175 4.1 3.4 5.0





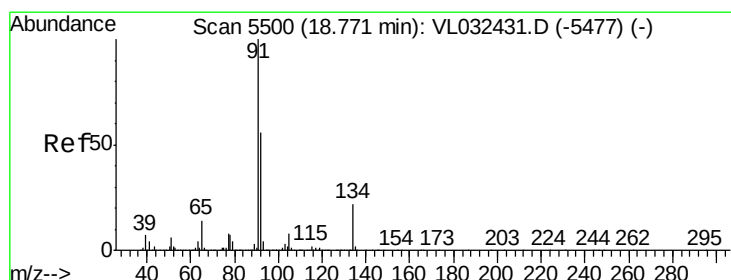
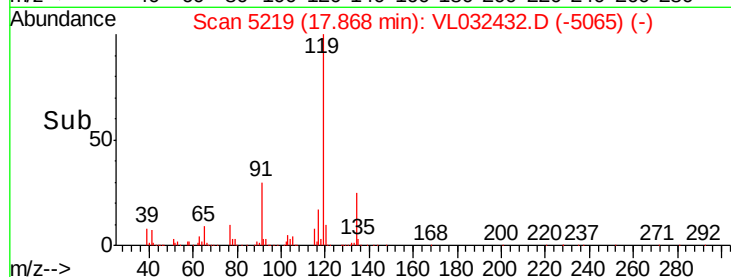
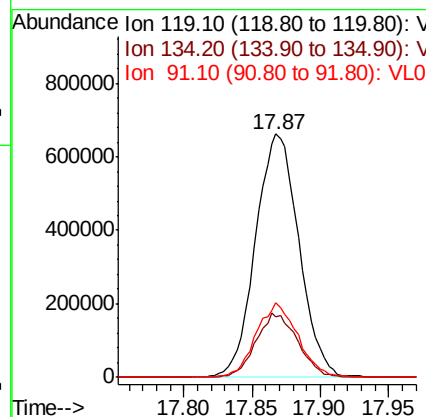
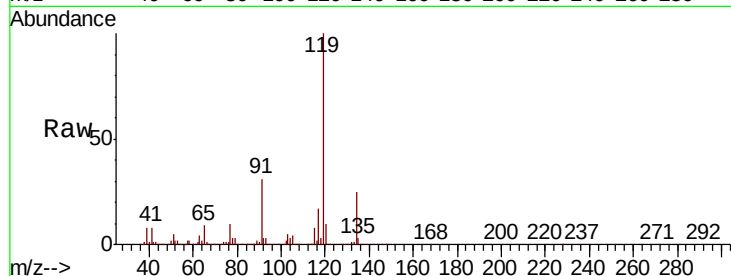
#69
 p-Isopropyltoluene
 Concen: 2.53 ppbv
 RT: 17.87 min Scan# 5219
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	119	Resp:	1456171
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.7	23.4	35.0

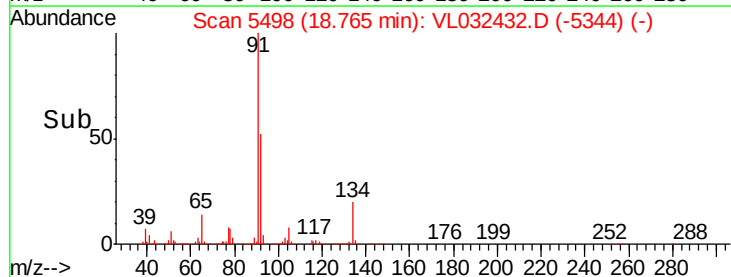
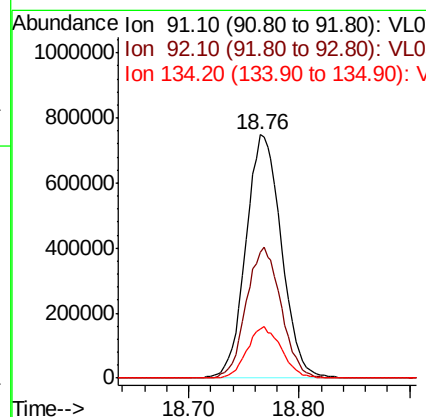
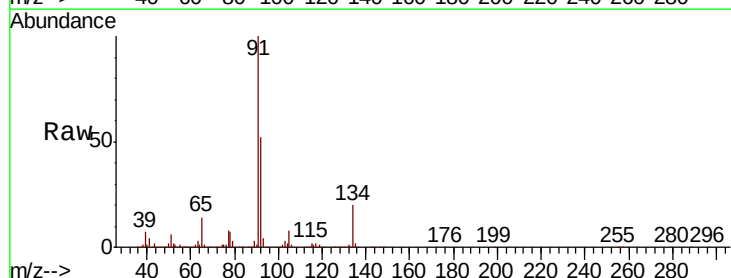
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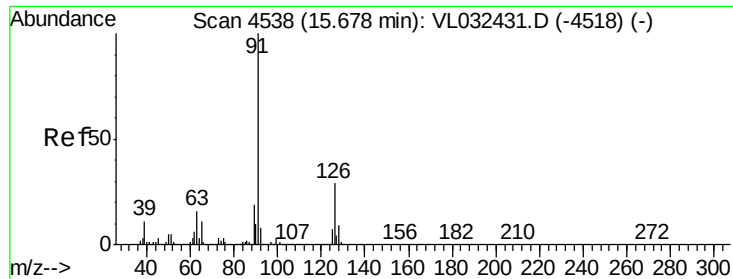
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#70
 n-Butylbenzene
 Concen: 2.60 ppbv
 RT: 18.76 min Scan# 5498
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion:	91	Resp:	1662698
Ion	Ratio	Lower	Upper
91	100		
92	52.9	43.8	65.8
134	20.6	17.4	26.0





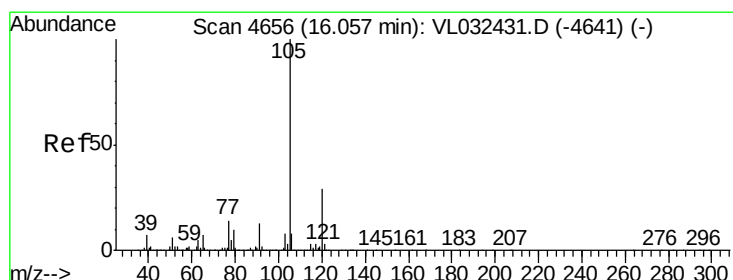
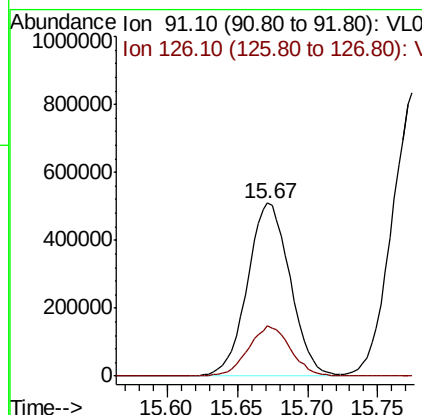
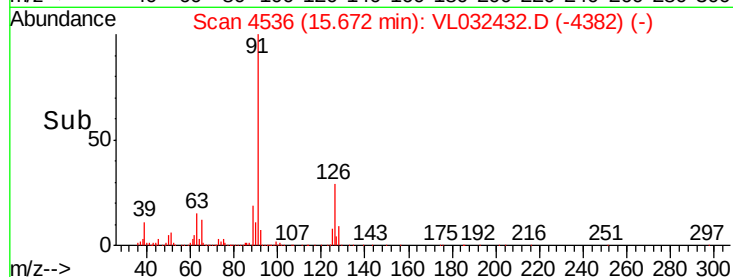
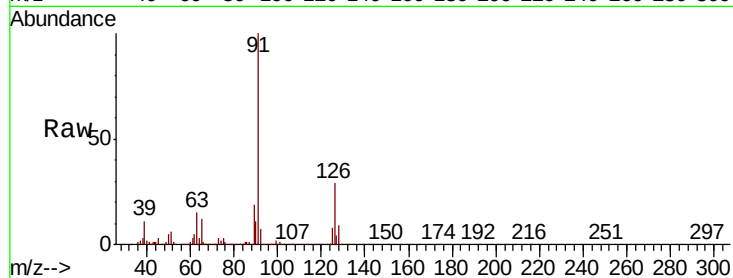
#71
 2-Chlorotoluene
 Concen: 2.40 ppbv
 RT: 15.67 min Scan# 4536
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 1078127
 Ion Ratio Lower Upper
 91 100
 126 28.7 11.9 47.7

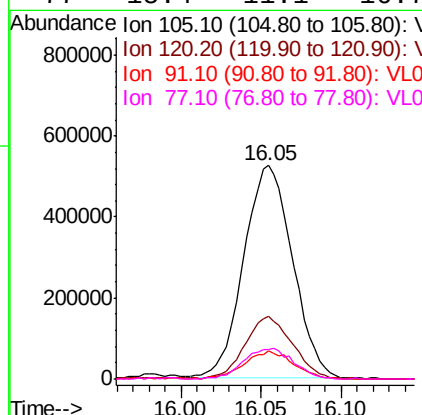
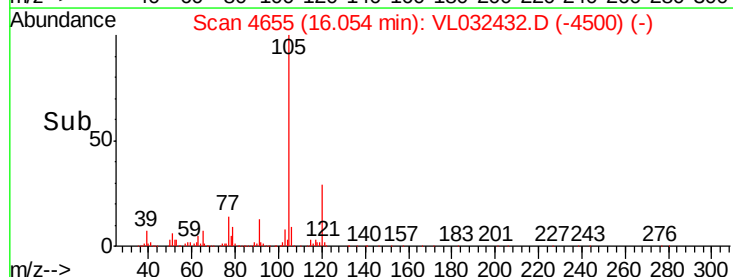
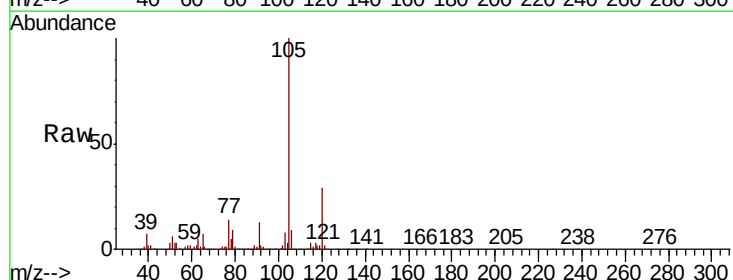
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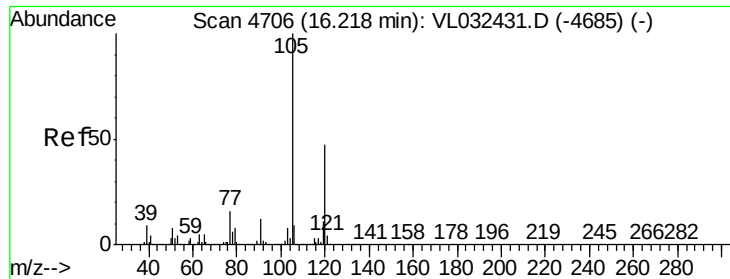
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#72
 4-Ethyltoluene
 Concen: 2.41 ppbv
 RT: 16.05 min Scan# 4655
 Delta R.T. -0.00 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion: 105 Resp: 1090619
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.5 35.3
 91 14.0 10.2 15.2
 77 15.4 11.1 16.7





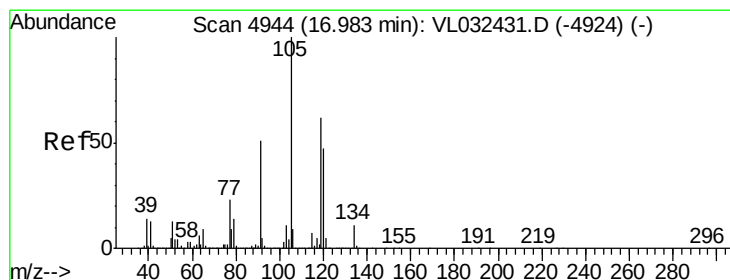
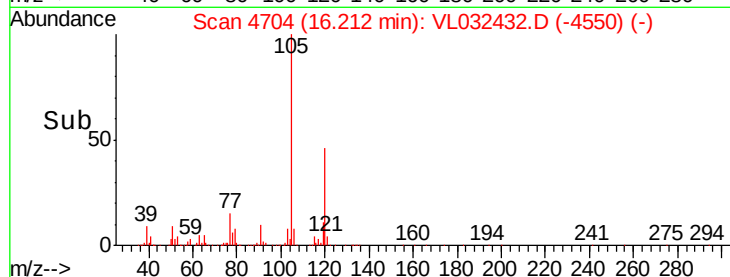
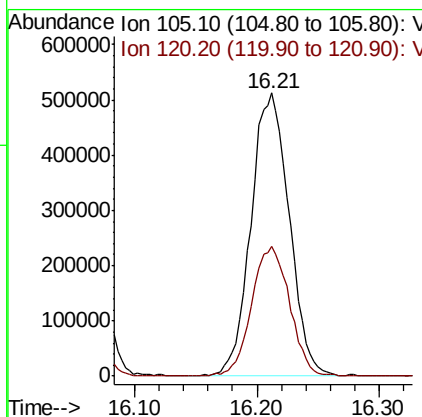
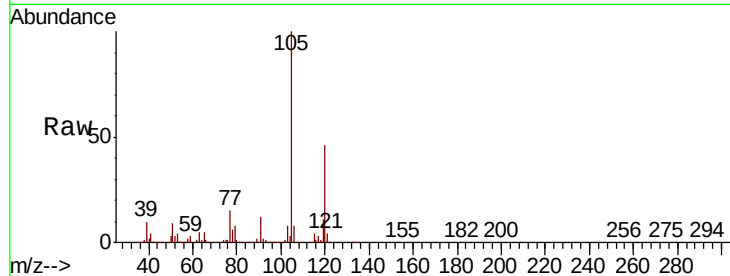
#73
 1,3,5-Trimethylbenzene
 Concen: 2.55 ppbv
 RT: 16.21 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1102505
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.9 56.9

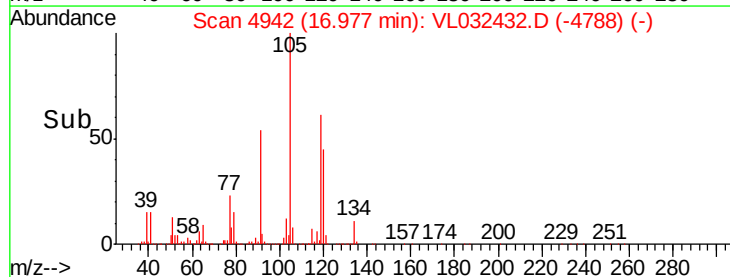
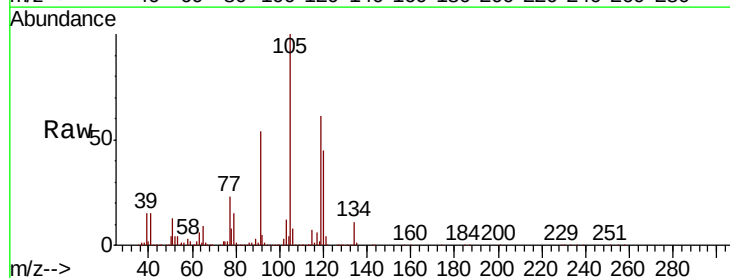
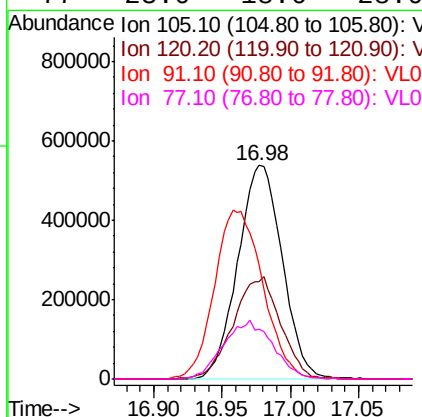
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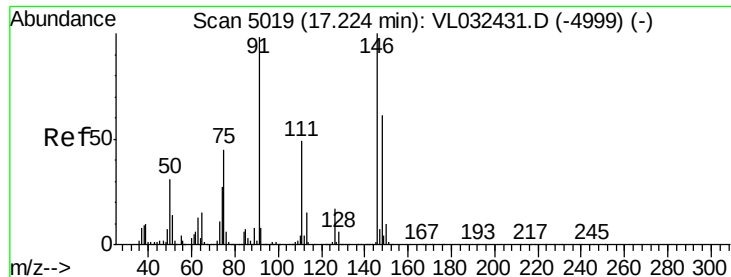
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.60 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion:105 Resp: 1216000
 Ion Ratio Lower Upper
 105 100
 120 45.1 37.8 56.8
 91 53.4 41.4 62.0
 77 23.0 18.6 28.0





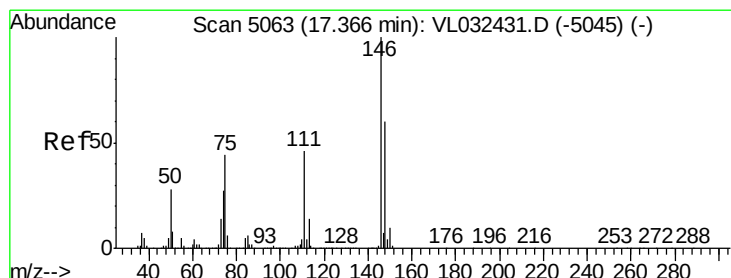
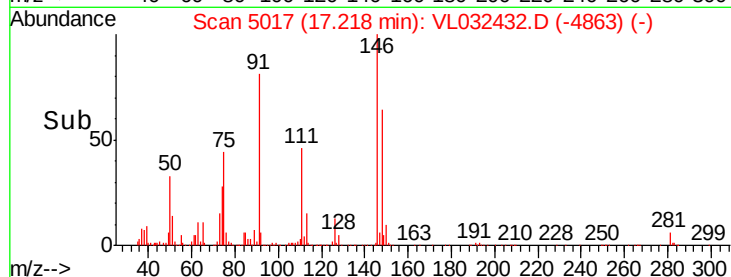
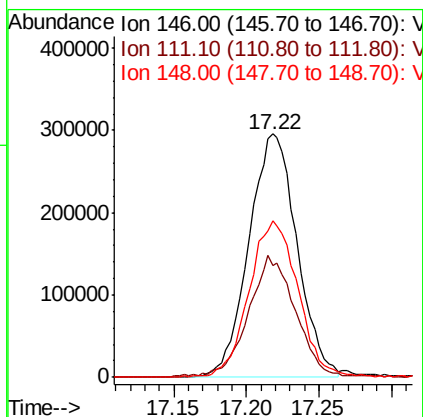
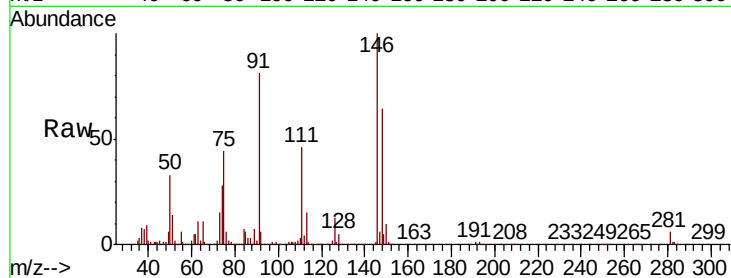
#75
 1,3-Dichlorobenzene
 Concen: 2.28 ppbv
 RT: 17.22 min Scan# 5017
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.6	73.6
148	66.0	32.0	96.2

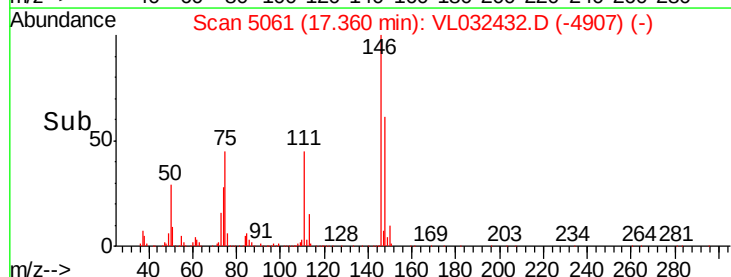
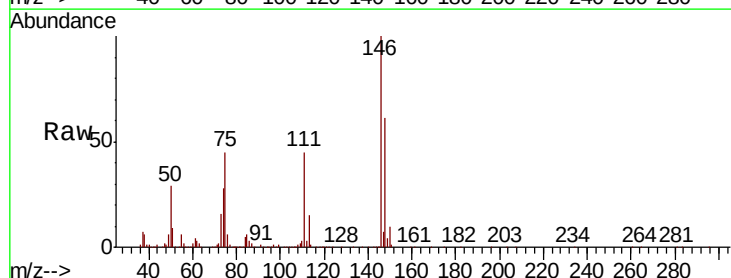
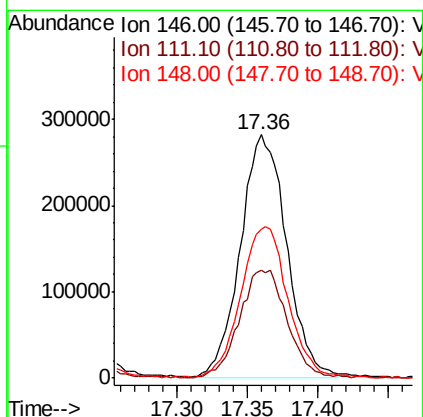
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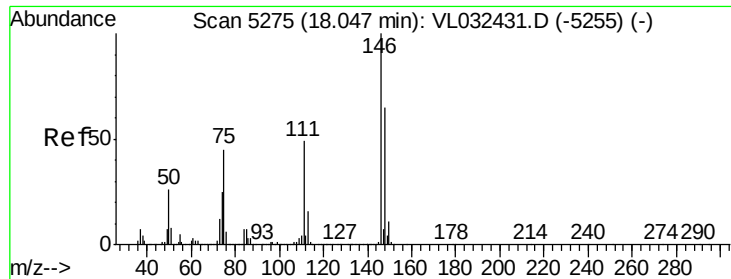
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#76
 1,4-Dichlorobenzene
 Concen: 2.33 ppbv
 RT: 17.36 min Scan# 5061
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.3
148	64.8	31.9	95.9





#77

1,2-Dichlorobenzene

Concen: 2.38 ppbv

RT: 18.05 min Scan# 5275

Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Instrument :

MSVOA_L

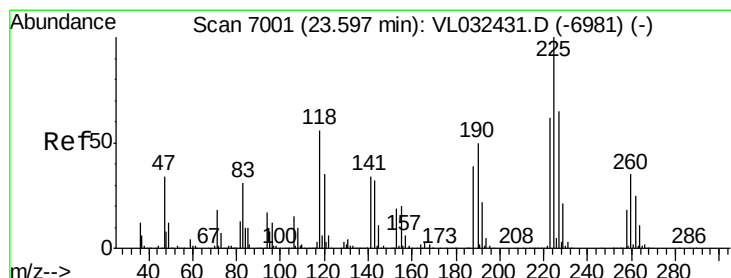
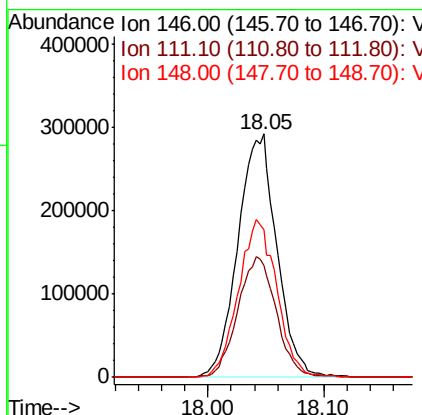
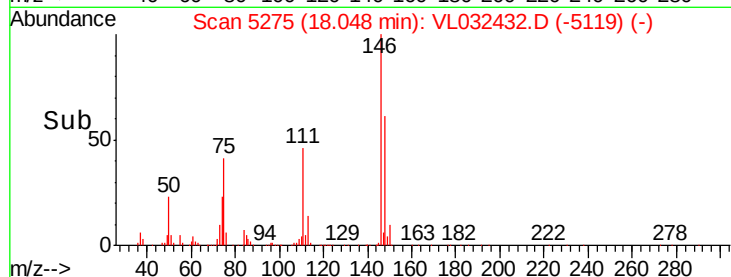
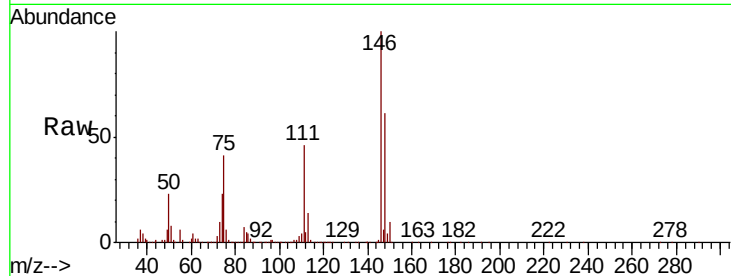
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	681385
Ion Ratio	Lower	Upper	
146	100		
111	49.3	24.9	74.7
148	64.2	31.9	95.9

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#78

Hexachloro-1,3-Butadiene

Concen: 1.95 ppbv m

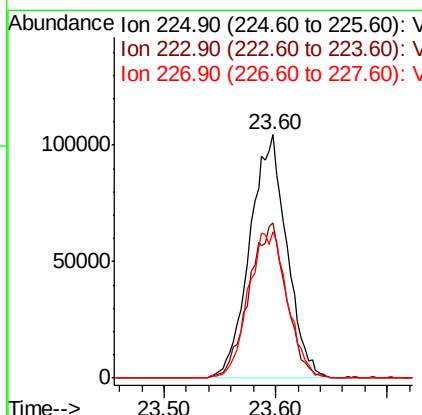
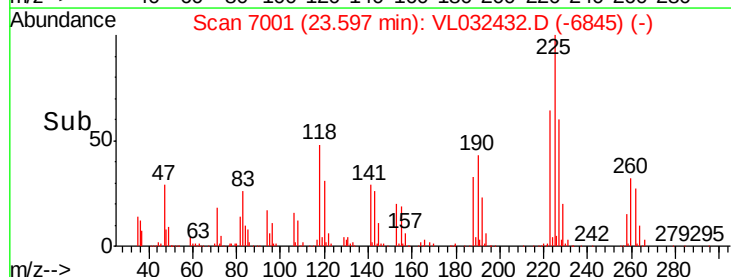
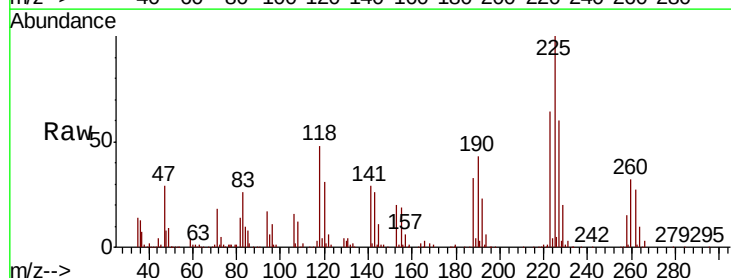
RT: 23.60 min Scan# 7001

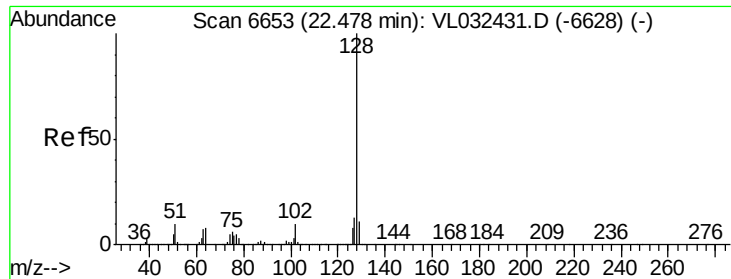
Delta R.T. 0.00 min

Lab File: VL032432.D

Acq: 31 Aug 2018 1:11

Tgt Ion:	225	Resp:	240429
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.6	76.0#
227	0.0	51.2	76.8#





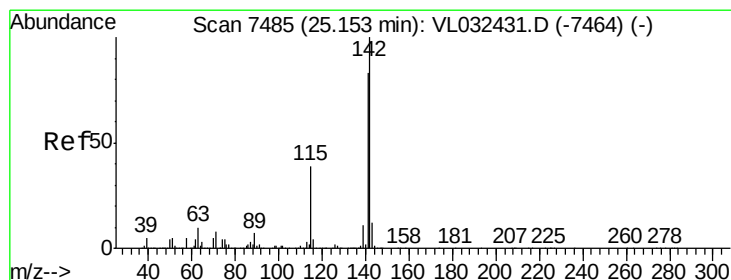
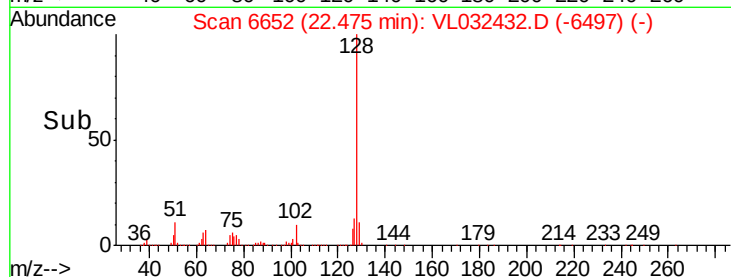
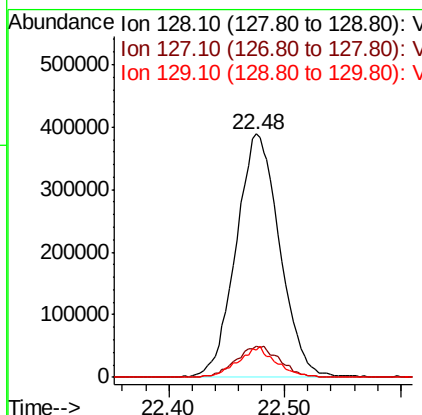
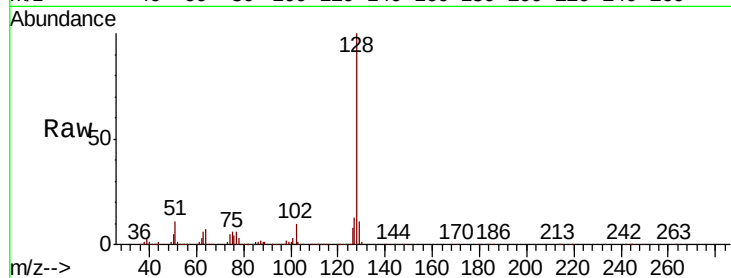
#79
Naphthalene
Concen: 3.22 ppbv
RT: 22.48 min Scan# 6652
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.4	8.5	12.7

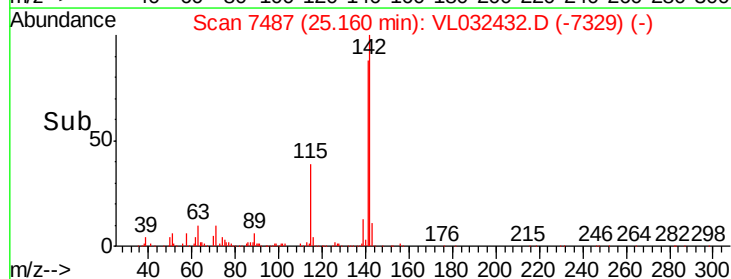
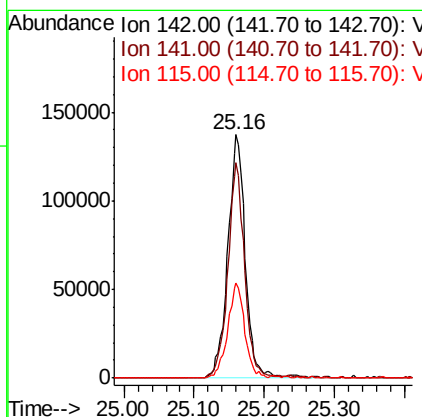
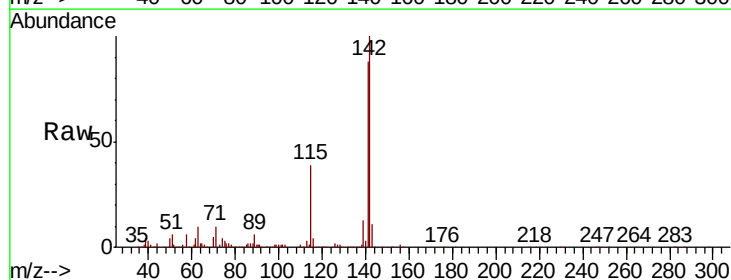
Manual Integrations
APPROVED

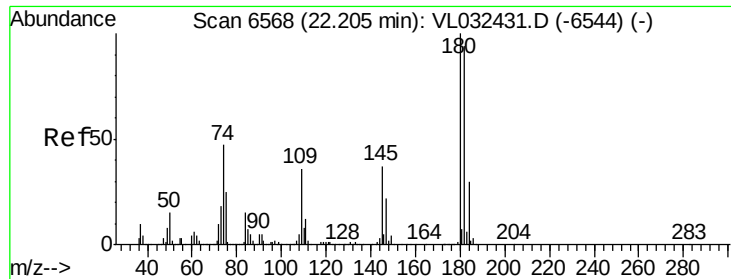
apatel
9/4/2018 8:25:24 AM



#80
Naphthalene, 2-methyl-
Concen: 2.94 ppbv
RT: 25.16 min Scan# 7487
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.0	100.6
115	38.4	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 2.97 ppbv
 RT: 22.20 min Scan# 6566
 Delta R.T. -0.01 min
 Lab File: VL032432.D
 Acq: 31 Aug 2018 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	501087
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.2	114.2
184	30.4	23.9	35.9

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:24 AM

