

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050687.D
 Acq On : 16 Aug 2018 5:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:05:41 PM

Quant Time: Aug 16 08:16:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123679	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	673648	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	581467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	245863	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	262762	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	848737	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	133743	15.69	ug/l	97
3) Chloromethane	2.06	50	175303	19.95	ug/l	98
4) Vinyl Chloride	2.18	62	182125	19.47	ug/l	98
5) Bromomethane	2.57	94	97911	17.17	ug/l	99
6) Chloroethane	2.70	64	111188	20.10	ug/l	95
7) Trichlorofluoromethane	3.01	101	238329	19.50	ug/l	97
8) Diethyl Ether	3.41	74	81433	19.86	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142842	19.21	ug/l	99
10) 1,1-Dichloroethene	3.73	96	131578	19.95	ug/l	93
11) Methyl Iodide	3.95	142	92991	9.58	ug/l	99
12) Methyl Acetate	4.33	43	122480	16.21	ug/l	99
13) Acrolein	3.61	56	12719	27.25	ug/l	97
14) Acrylonitrile	4.99	53	236638	93.88	ug/l	98
15) Acetone	3.82	58	71458	106.68	ug/l	90
16) Carbon Disulfide	4.05	76	400765	19.86	ug/l	98
17) Allyl chloride	4.33	41	192691	18.50	ug/l	96
18) Methylene Chloride	4.55	84	159969	21.02	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	147076	20.83	ug/l	97
20) Diisopropyl ether	5.96	45	457714	21.44	ug/l	99
21) 1,1-Dichloroethane	5.85	63	276981	20.63	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	161329	20.61	ug/l	94
23) tert-Butyl Alcohol	4.80	59	45663	81.08	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	353132	19.64	ug/l	98
25) Chloroform	7.37	83	278673	20.50	ug/l	98
26) Cyclohexane	7.66	56	221574	20.77	ug/l	# 99
29) 1,1-Dichloropropene	7.80	75	204718	19.58	ug/l	99
30) 2-Butanone	6.84	43	323975	98.75	ug/l	98
31) 2,2-Dichloropropane	6.83	77	121432	10.51	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	234337	19.04	ug/l	100
33) Carbon Tetrachloride	7.78	117	208522	19.01	ug/l	99
34) Benzene	8.04	78	630800	19.87	ug/l	100
35) Methacrylonitrile	7.18	41	63485	17.00	ug/l	95
36) 1,2-Dichloroethane	8.13	62	195602	18.76	ug/l	99
37) Trichloroethene	8.84	130	162276	19.49	ug/l	98
38) Methylcyclohexane	9.08	83	206177	18.71	ug/l	99
39) 1,2-Dichloropropane	9.12	63	167141	19.98	ug/l	96
40) Dibromomethane	9.21	93	98714	19.10	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	210108	19.27	ug/l	98
42) Vinyl Acetate	5.90	43	1438311	93.17	ug/l	100
43) Ethyl Acetate	6.93	43	132975m	19.41	ug/l	
44) Isopropyl Acetate	8.17	43	246602	19.43	ug/l	97
45) 1,4-Dioxane	9.20	88	28269	338.52	ug/l	93
46) Methyl methacrylate	9.20	41	100123	16.28	ug/l	98
47) n-amyl Acetate	12.07	43	166248	16.84	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	179490	17.27	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	217009	17.77	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	141144	19.02	ug/l	97
51) Ethyl methacrylate	10.43	69	162055	17.99	ug/l	99
52) 1,3-Dichloropropane	10.71	76	231077	18.96	ug/l	99
53) Dibromochloromethane	10.90	129	153795	18.26	ug/l	98
54) 1,2-Dibromoethane	11.01	107	134704	18.54	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	390465	95.80	ug/l	100
56) Bromoform	12.13	173	104194	17.52	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	764186	112.95	ug/l	99
59) 2-Hexanone	10.75	43	479367	103.85	ug/l	99
61) Tetrachloroethene	10.63	164	156573	19.88	ug/l	97
62) Toluene	10.16	91	674829	20.34	ug/l	100
64) Chlorobenzene	11.44	112	406317	20.20	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	156590	19.96	ug/l	99
66) Ethyl Benzene	11.51	91	670783	19.79	ug/l	100
67) m/p-Xylenes	11.62	106	529969	40.62	ug/l	99
68) o-Xylene	11.95	106	252593	20.35	ug/l	99
69) Styrene	11.97	104	403542	20.28	ug/l	100
70) Isopropylbenzene	12.25	105	665655	20.13	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	170292	18.76	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	128558m	16.58	ug/l	
73) Bromobenzene	12.53	156	170625	19.37	ug/l	100
74) n-propylbenzene	12.59	91	740629	19.23	ug/l	99
75) 2-Chlorotoluene	12.68	91	457567	19.79	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	543734	20.02	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	31231	12.32	ug/l	95
78) 4-Chlorotoluene	12.77	91	450887	19.67	ug/l	100
79) tert-butylbenzene	12.99	119	459898	19.81	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	553210	20.11	ug/l	100
81) sec-Butylbenzene	13.17	105	604178	19.16	ug/l	100
82) p-Isopropyltoluene	13.29	119	513146	19.07	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	286701	18.70	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	269788	18.62	ug/l	99
85) n-Butylbenzene	13.62	91	373107	17.09	ug/l	99
86) Hexachloroethane	13.88	117	97672	18.16	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	283255	18.90	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22184	15.69	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	111647	15.59	ug/l	99
90) Hexachlorobutadiene	15.01	225	80991	17.16	ug/l	99
91) Naphthalene	15.13	128	224726	17.65	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	116341	15.98	ug/l	99

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QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

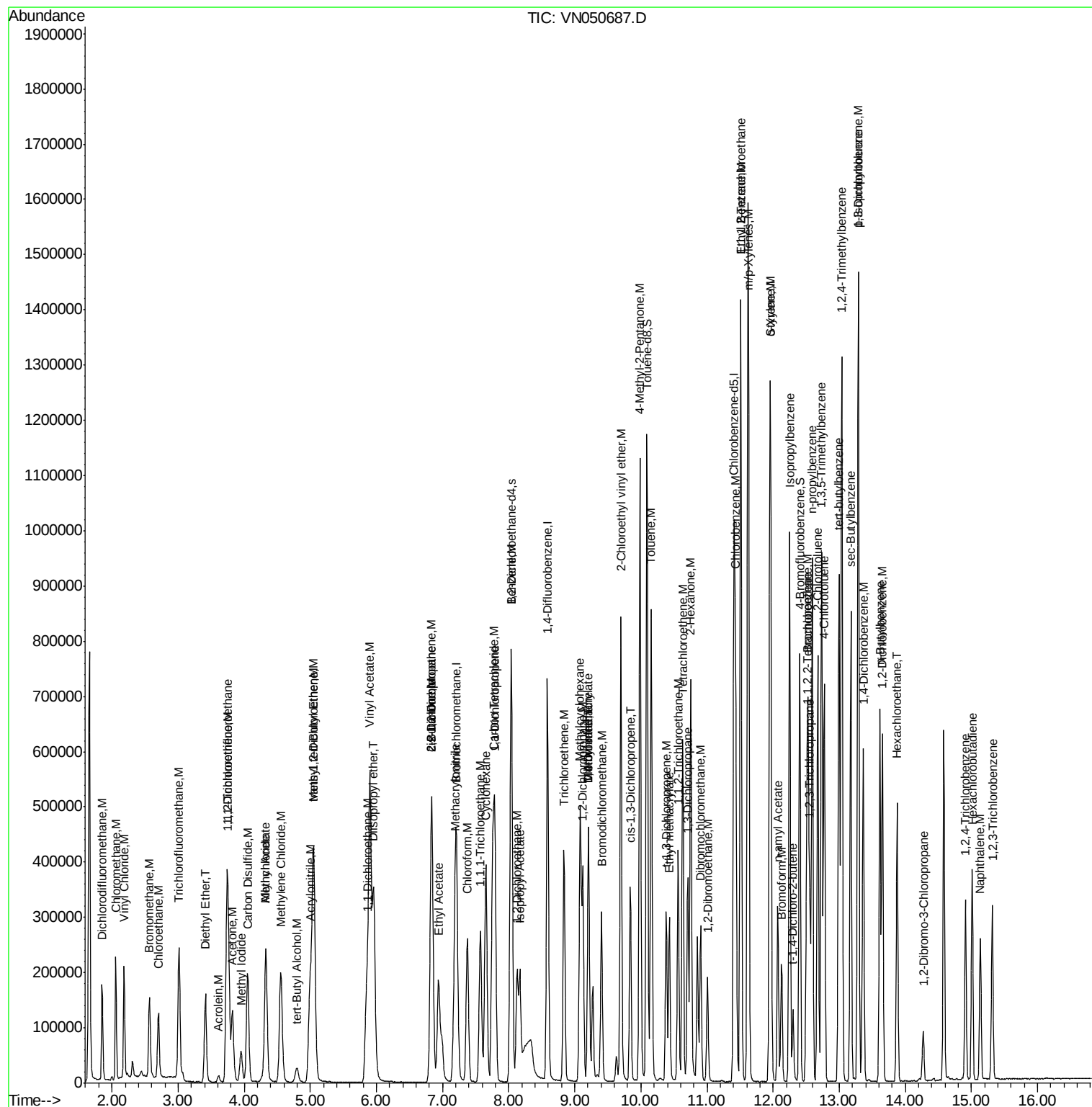
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
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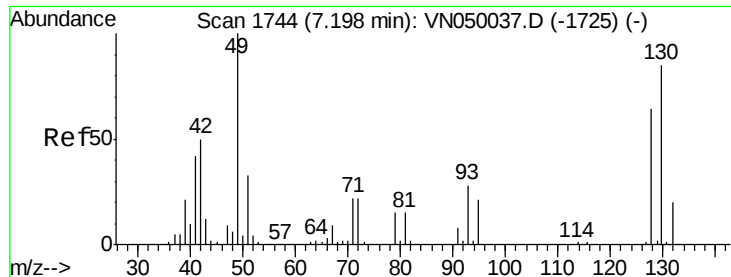
Instrument :
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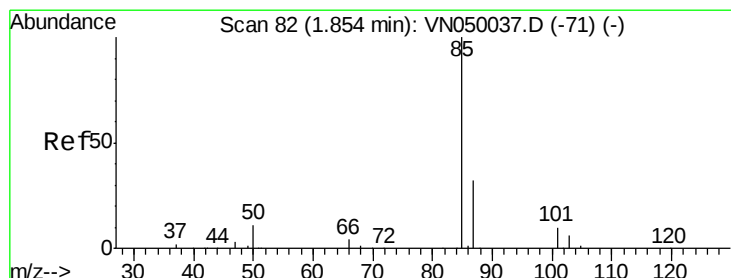
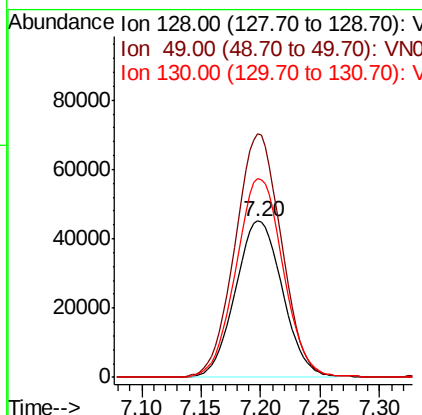
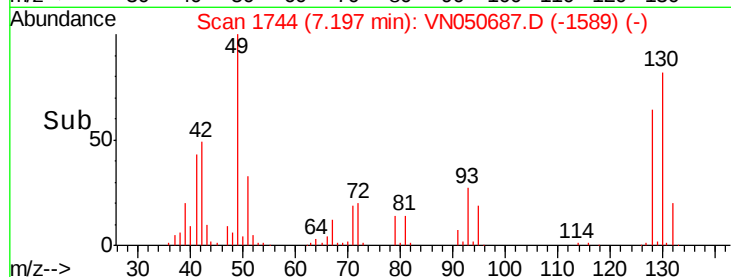
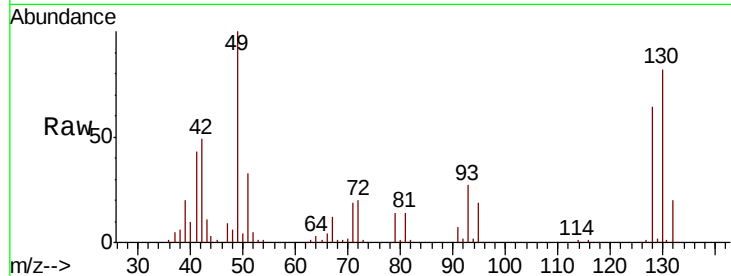
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
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 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	153.7	0.0	378.3
130	127.8	0.0	320.7

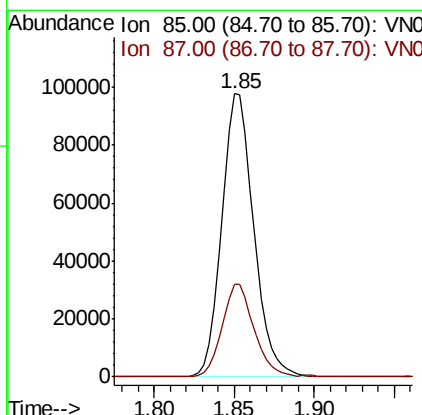
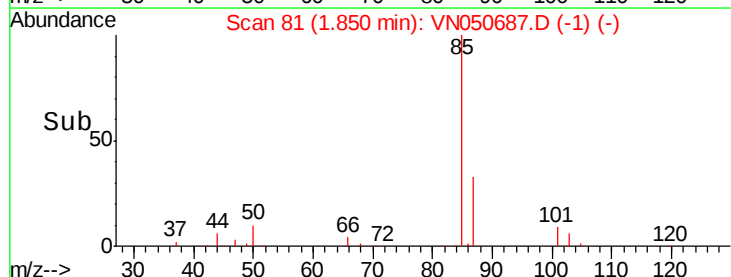
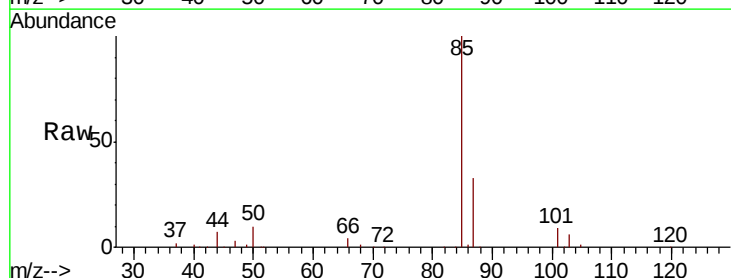
Manual Integrations
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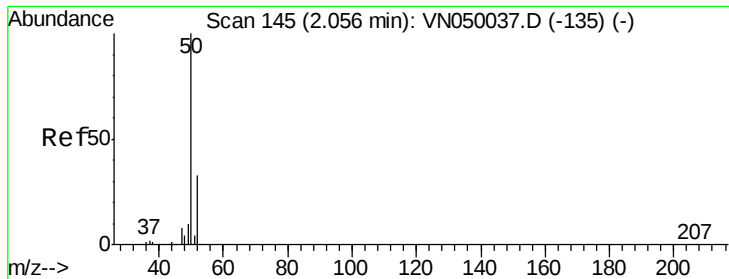
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#2
 Dichlorodifluoromethane
 Concen: 15.69 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3

Chloromethane

Concen: 19.95 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 175303

Ion Ratio Lower Upper

50 100

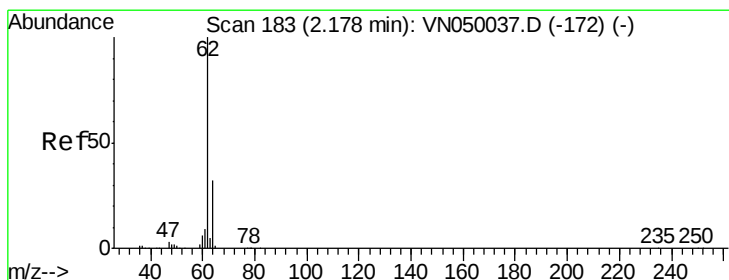
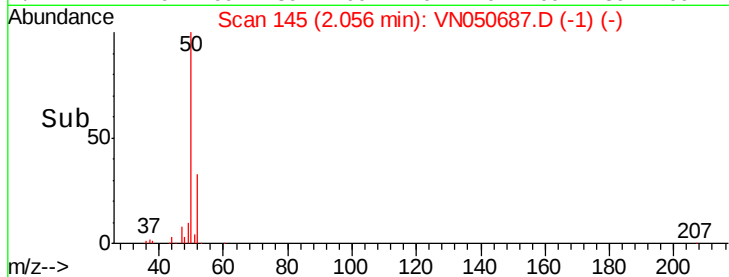
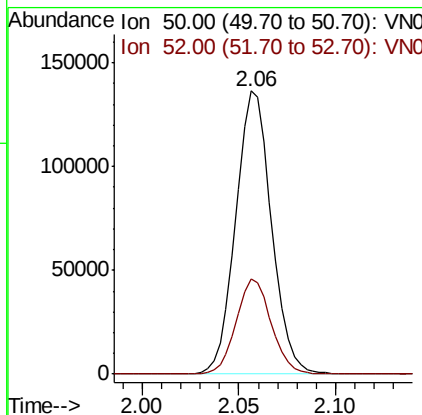
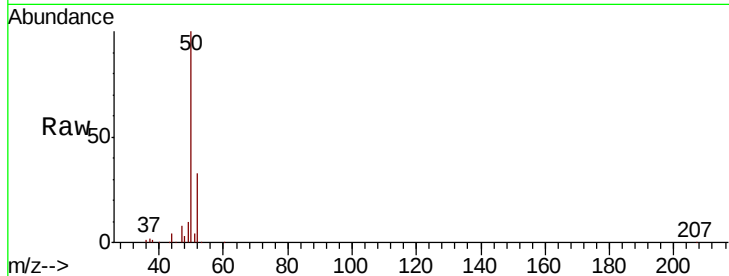
52 33.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.47 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050687.D

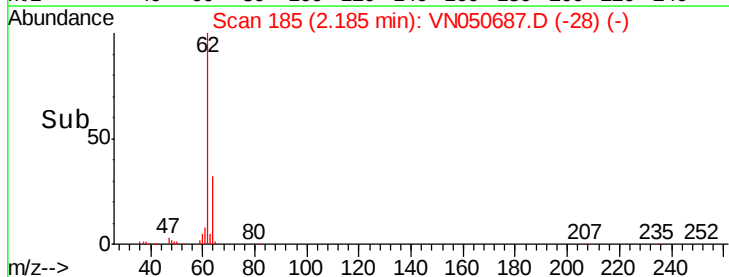
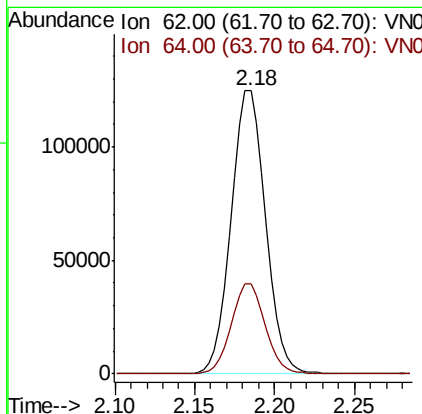
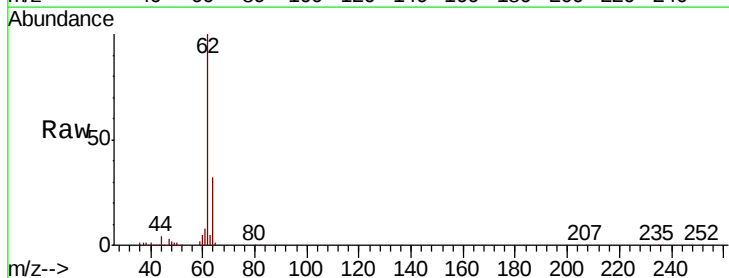
Acq: 16 Aug 2018 5:40

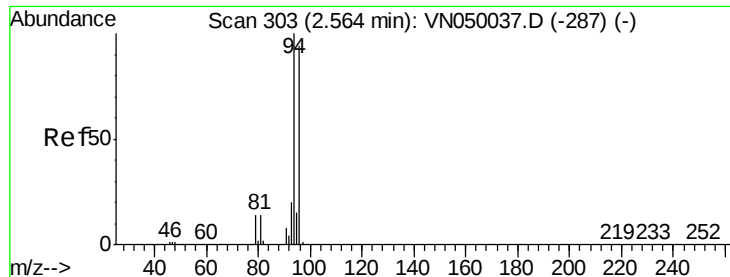
Tgt Ion: 62 Resp: 182125

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 17.17 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 97911

Ion Ratio Lower Upper

94 100

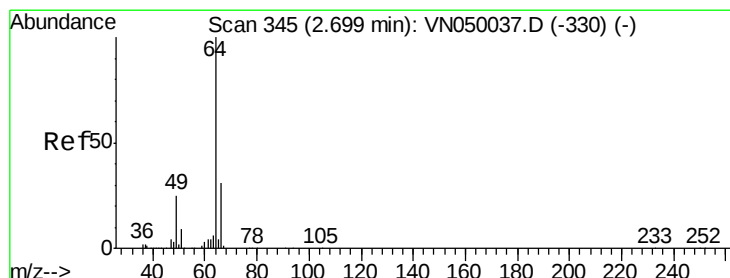
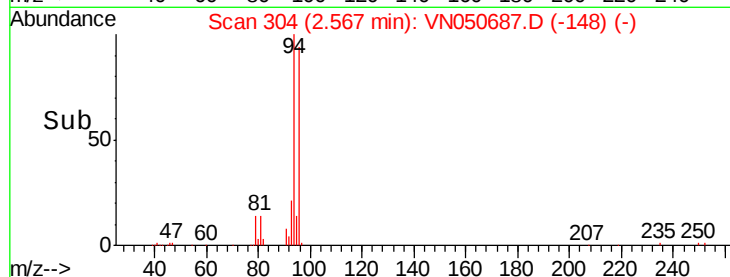
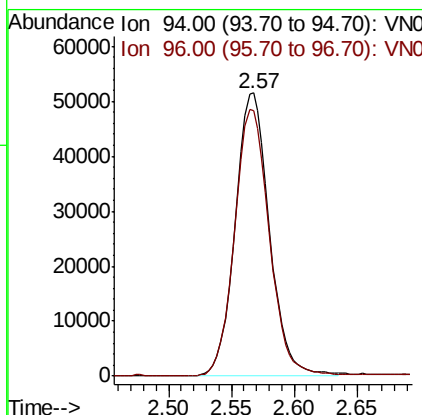
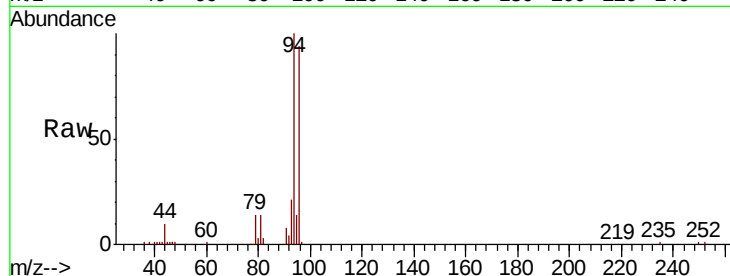
96 93.9 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.10 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050687.D

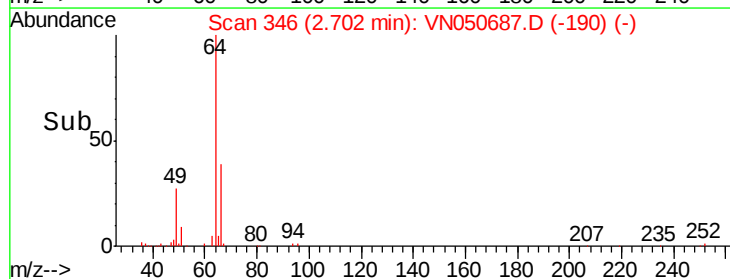
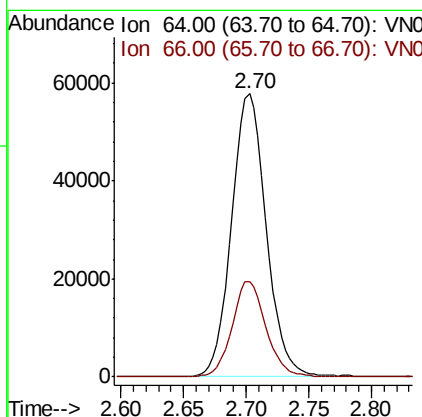
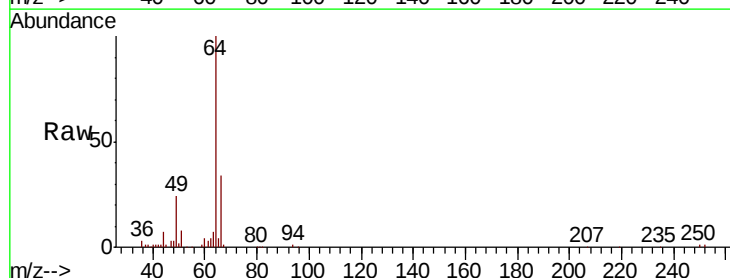
Acq: 16 Aug 2018 5:40

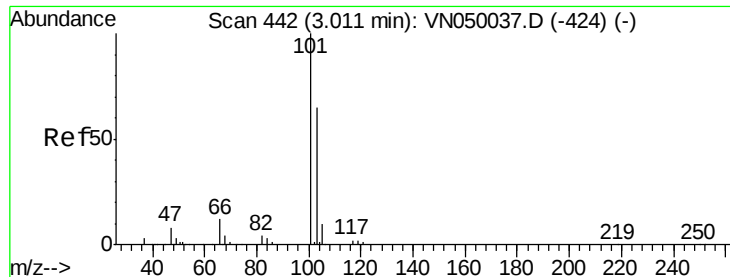
Tgt Ion: 64 Resp: 111188

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4





#7

Trichlorofluoromethane

Concen: 19.50 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:101 Resp: 238329

Ion Ratio Lower Upper

101 100

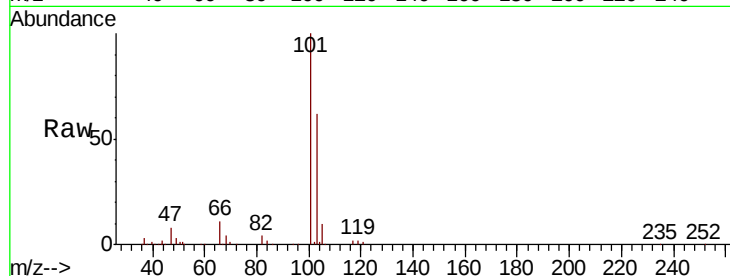
103 62.3 51.5 77.3

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.01

120000

100000

80000

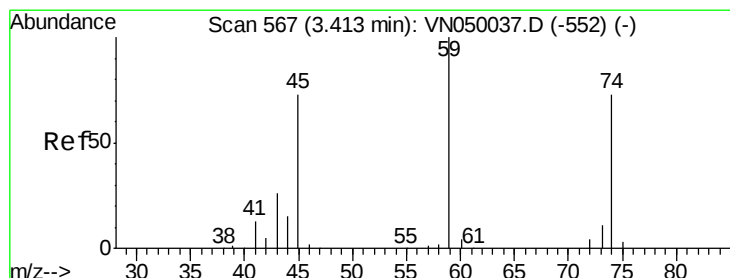
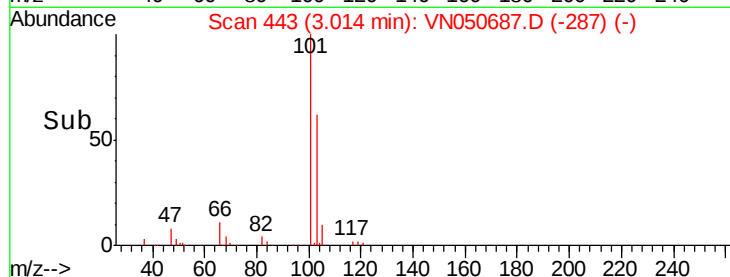
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 19.86 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050687.D

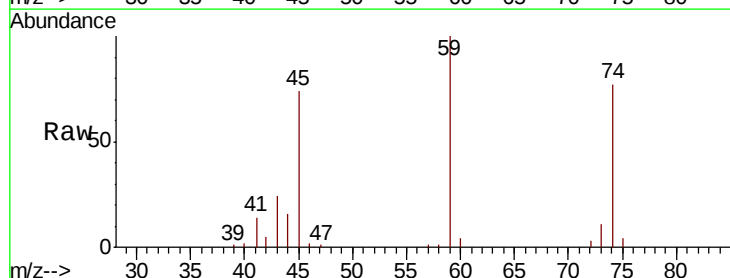
Acq: 16 Aug 2018 5:40

Tgt Ion: 74 Resp: 81433

Ion Ratio Lower Upper

74 100

45 95.8 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

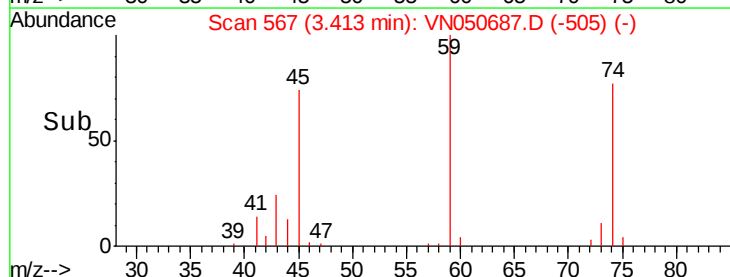
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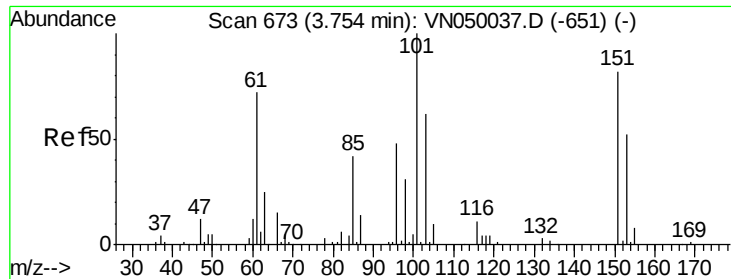
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.21 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.01 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

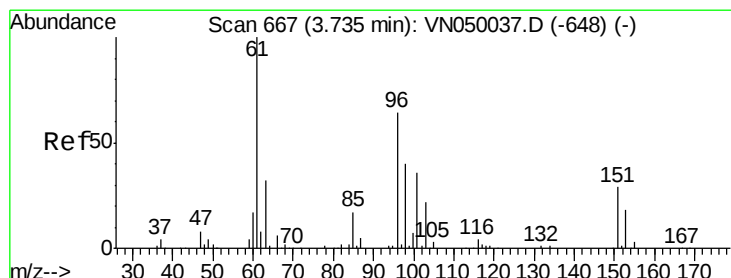
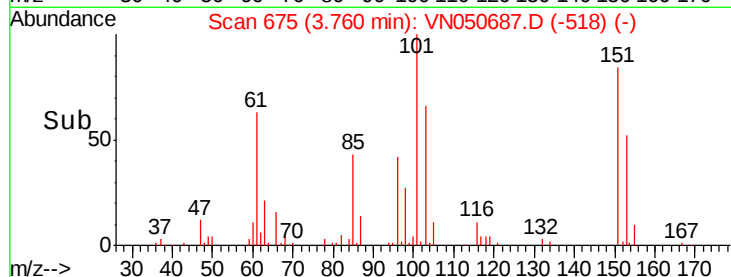
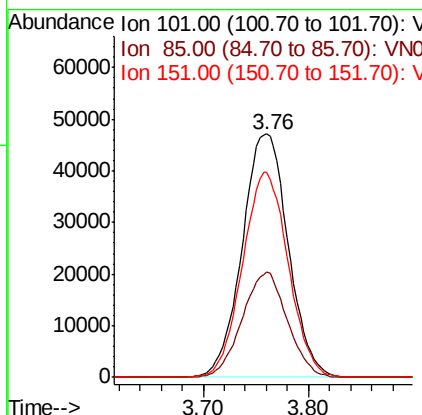
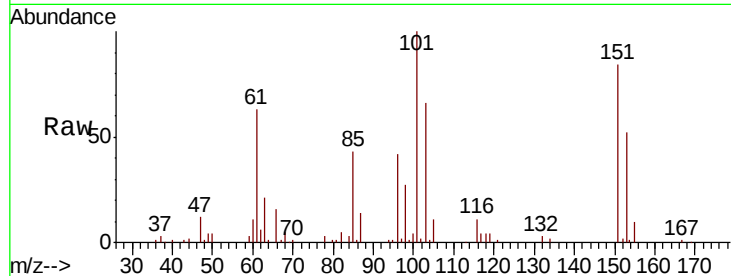
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	142842
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	83.0
151	83.7	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 19.95 ug/l

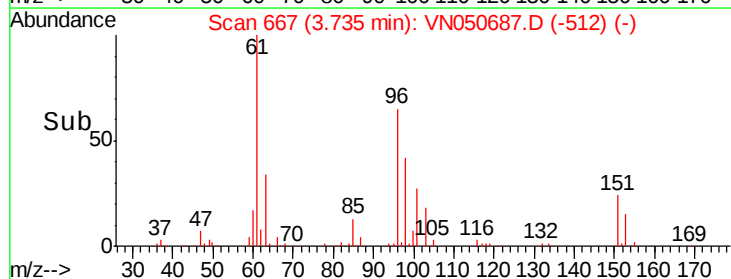
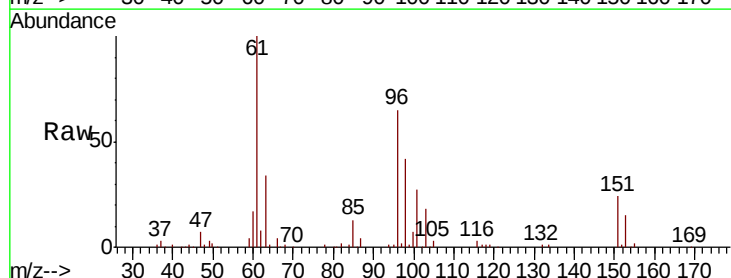
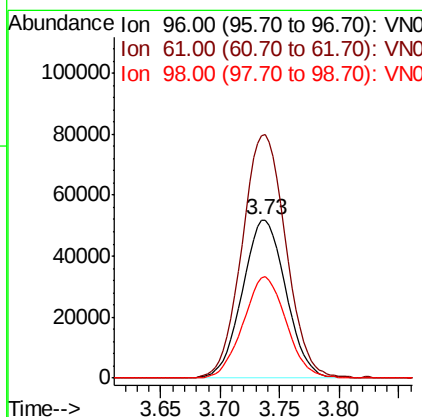
RT: 3.73 min Scan# 667

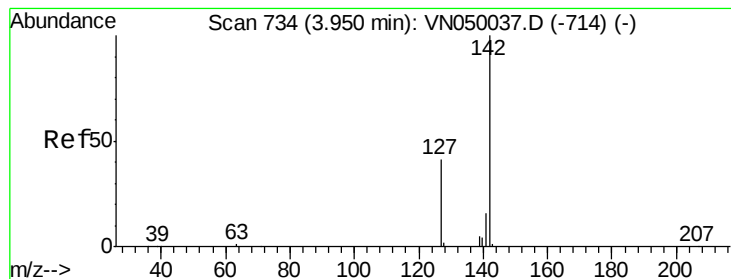
Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion:	96	Resp:	131578
Ion Ratio	Lower	Upper	
96	100		
61	153.1	130.6	195.8
98	63.6	53.5	80.3





#11

Methyl Iodide

Concen: 9.58 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

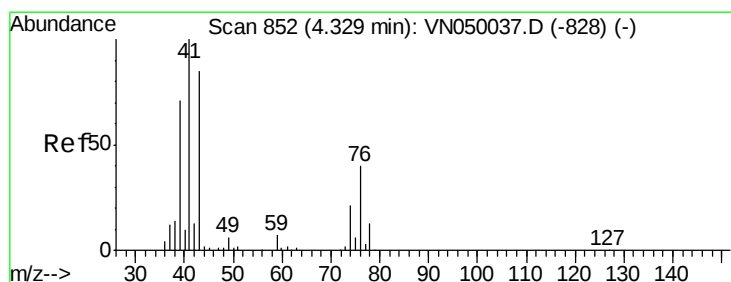
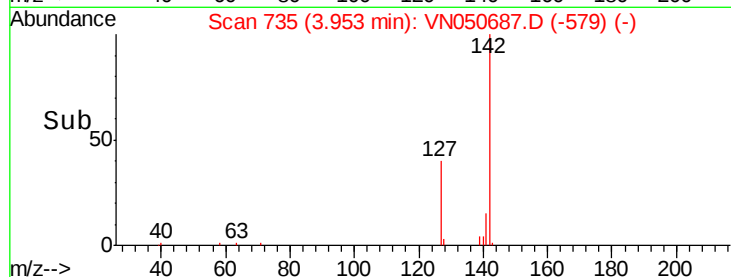
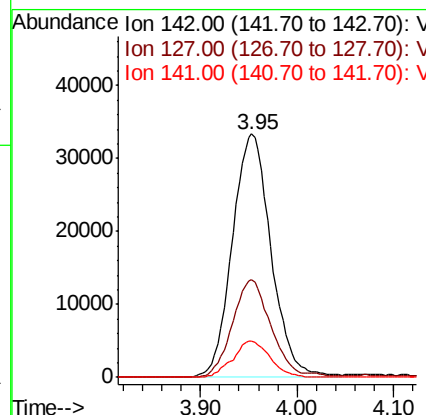
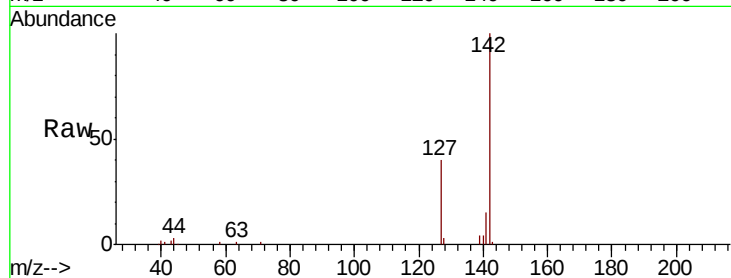
ClientSampleId :

VSTDCCC020EC

Tot Ion:	142	Resp:	92991
Ion Ratio	Lower	Upper	
142	100		
127	39.7	20.2	60.5
141	14.7	6.9	20.6

Manual Integrations
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#12

Methyl Acetate

Concen: 16.21 ug/l

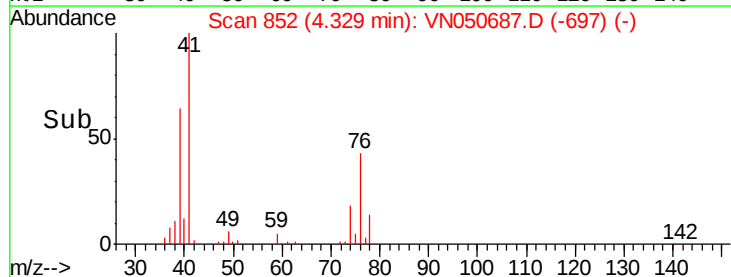
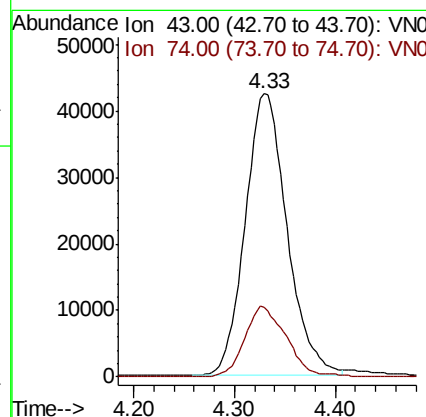
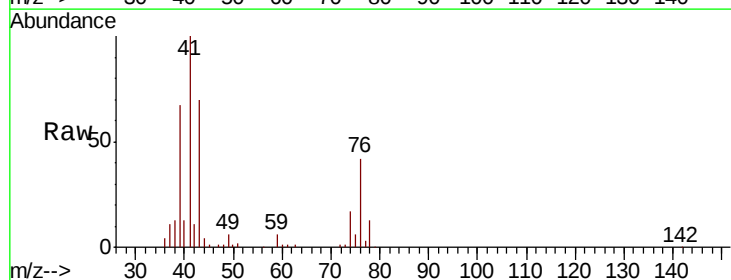
RT: 4.33 min Scan# 852

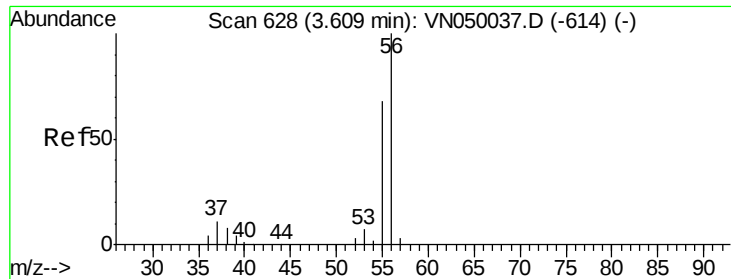
Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion:	43	Resp:	122480
Ion Ratio	Lower	Upper	
43	100		
74	24.5	19.3	28.9





#13

Acrolein

Concen: 27.25 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 12719

Ion Ratio Lower Upper

56 100

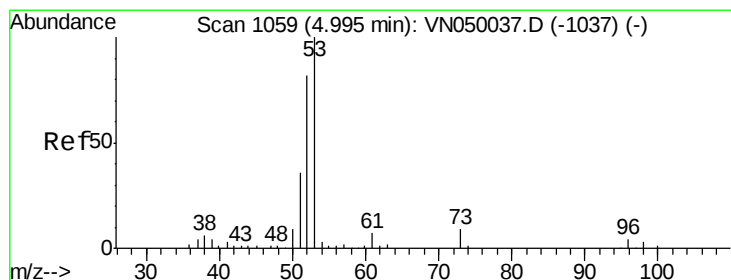
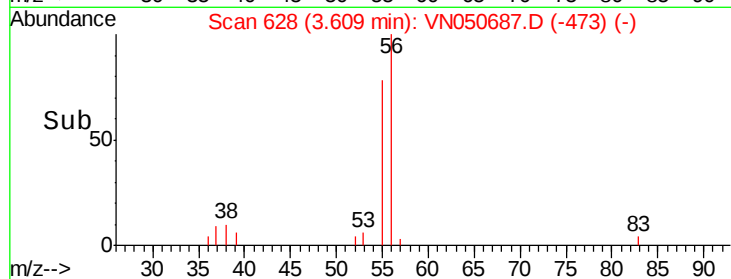
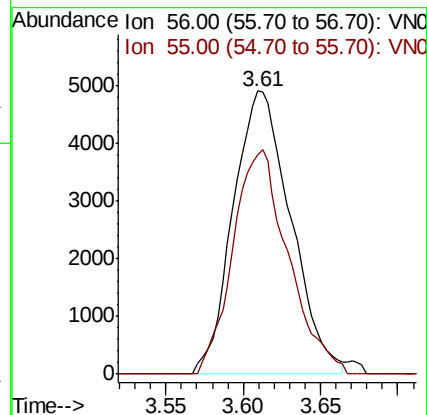
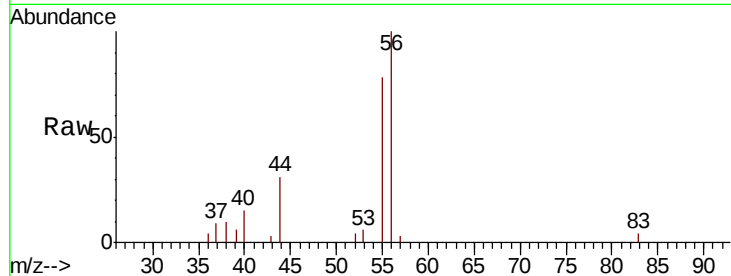
55 76.1 58.6 88.0

Manual Integrations

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#14

Acrylonitrile

Concen: 93.88 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

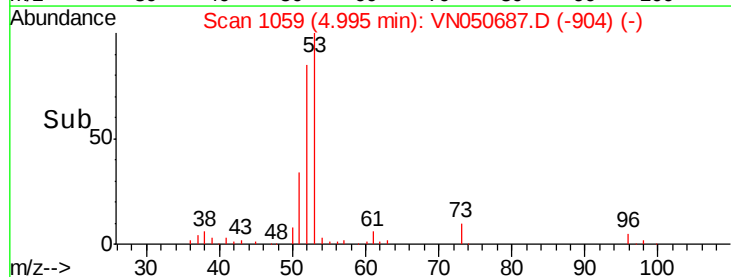
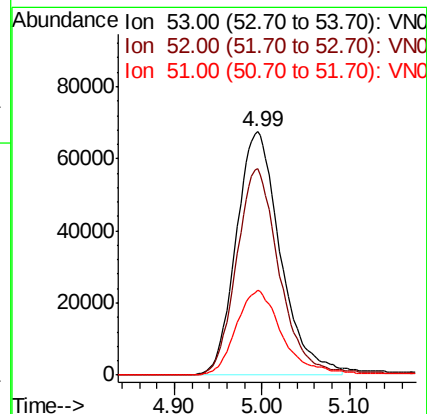
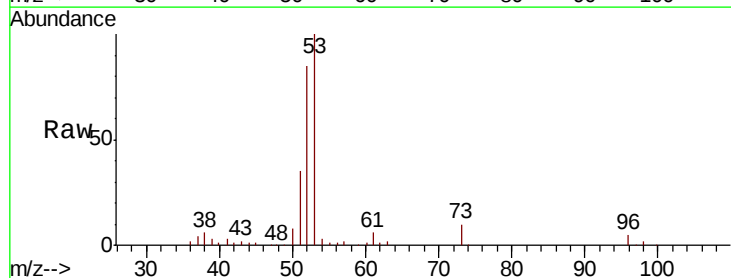
Tgt Ion: 53 Resp: 236638

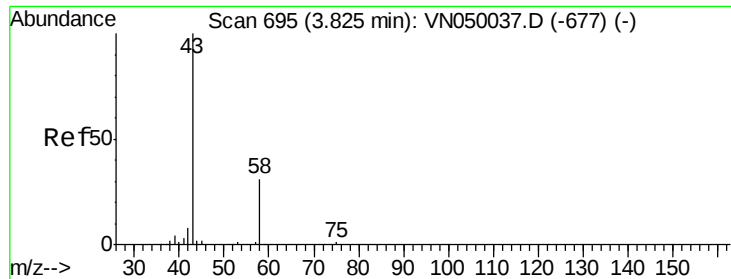
Ion Ratio Lower Upper

53 100

52 81.2 41.5 124.5

51 36.5 18.7 56.1





#15

Acetone

Concen: 106.68 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 71458

Ion Ratio Lower Upper

58 100

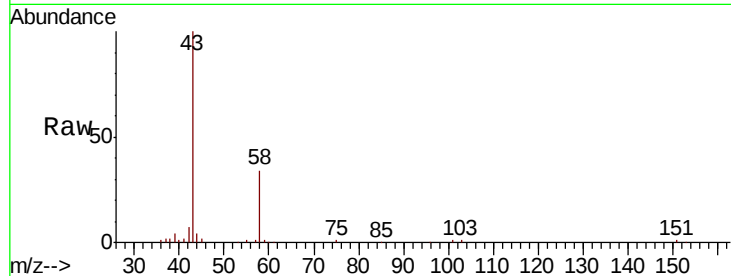
43 294.6 252.0 378.0

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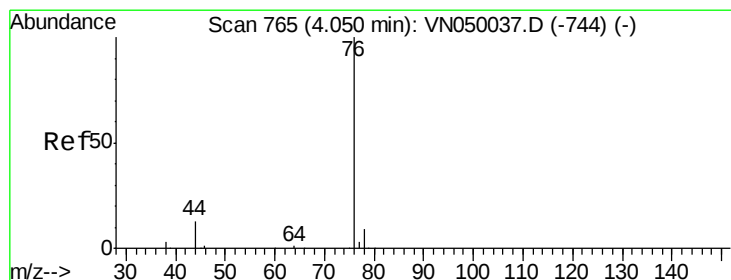
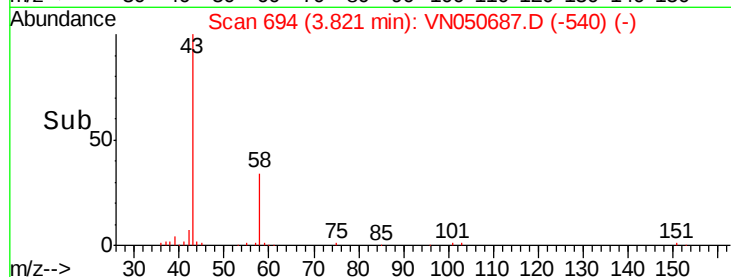
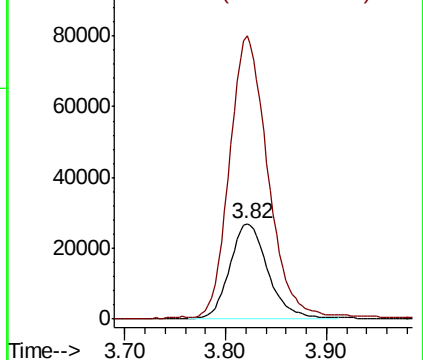
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.86 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050687.D

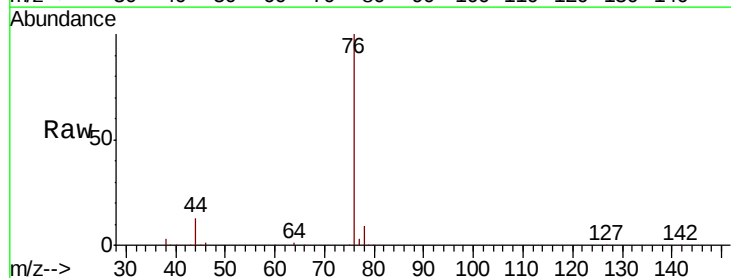
Acq: 16 Aug 2018 5:40

Tgt Ion: 76 Resp: 400765

Ion Ratio Lower Upper

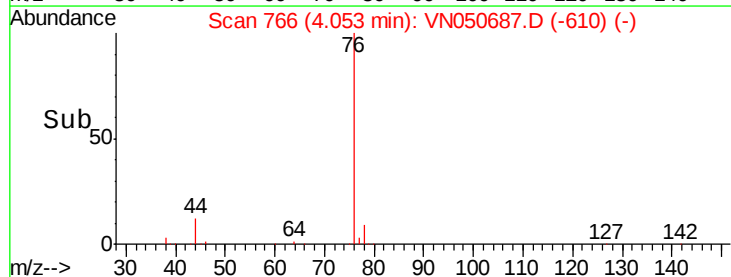
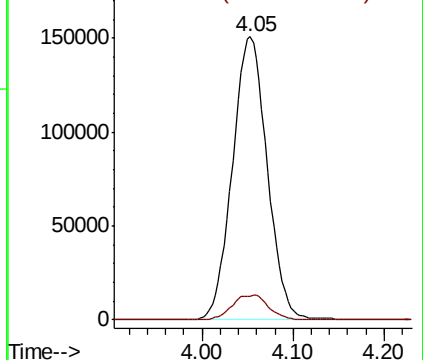
76 100

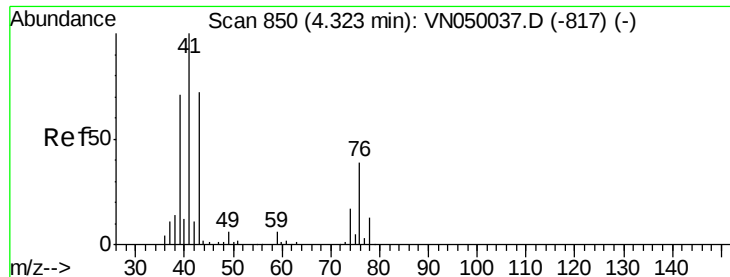
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.50 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

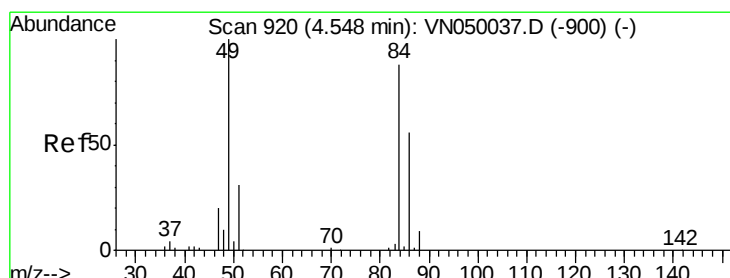
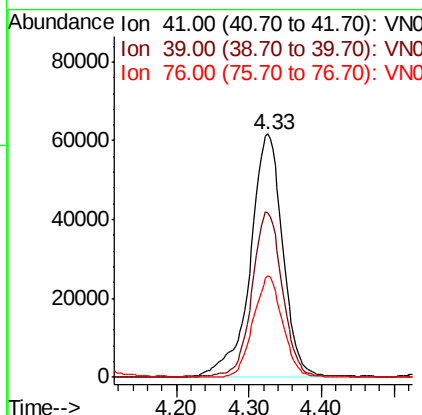
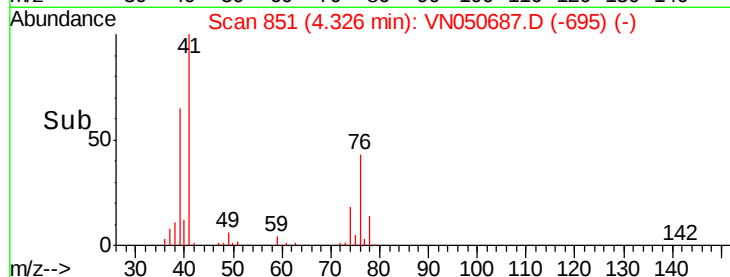
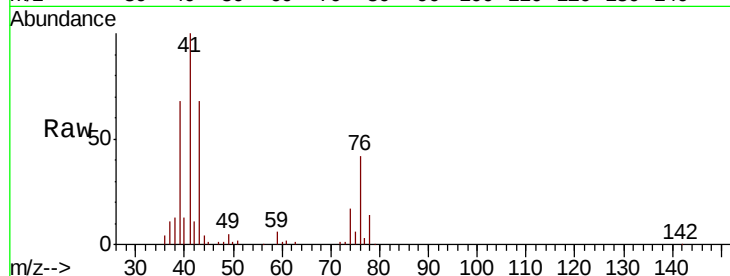
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	192691
Ion Ratio	Lower	Upper	
41	100		
39	67.6	35.4	106.3
76	41.7	19.7	59.1

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#18

Methylene Chloride

Concen: 21.02 ug/l

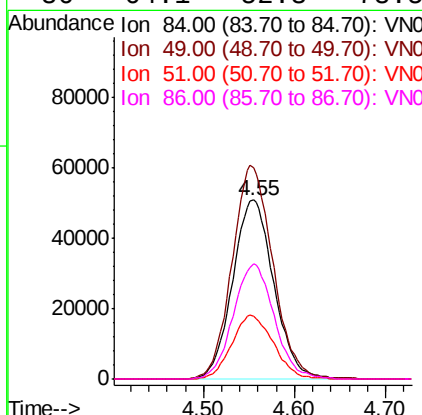
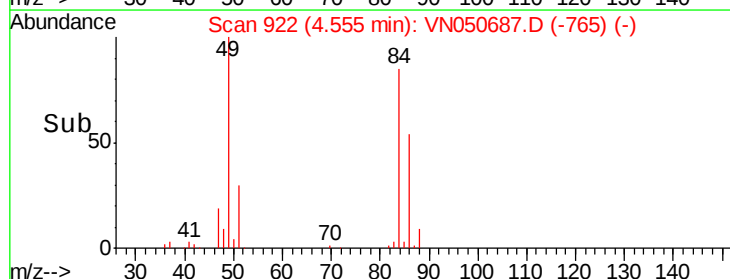
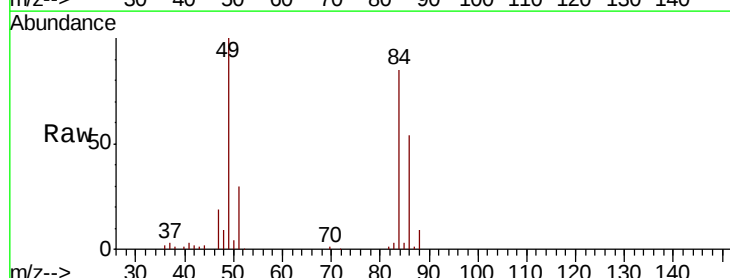
RT: 4.55 min Scan# 922

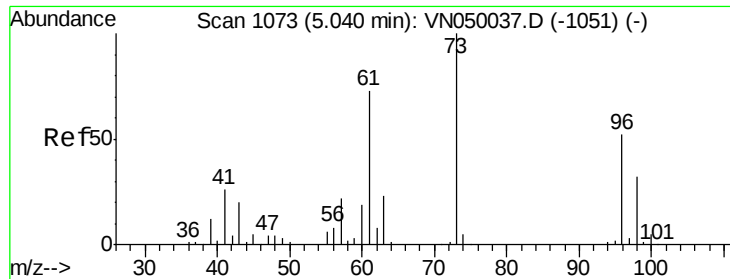
Delta R.T. 0.01 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion:	84	Resp:	159969
Ion Ratio	Lower	Upper	
84	100		
49	117.8	95.1	142.7
51	35.2	28.8	43.2
86	64.1	52.3	78.5





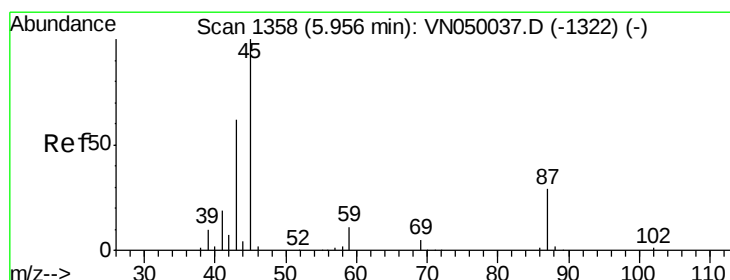
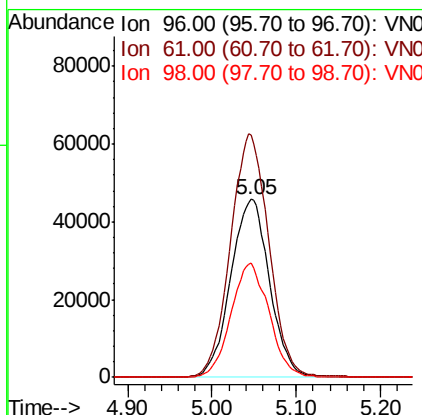
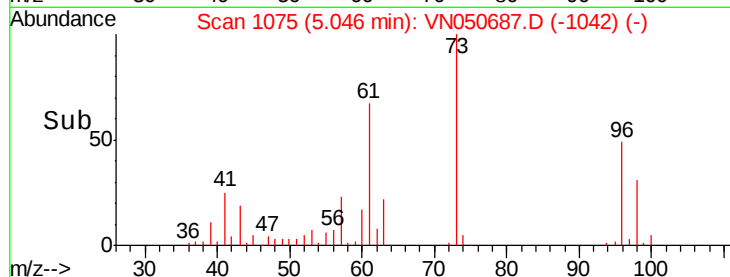
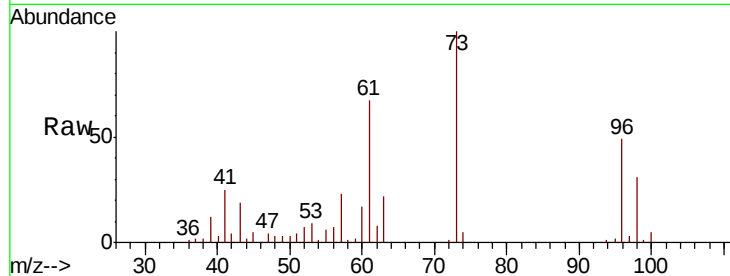
#19
trans-1,2-Dichloroethene
Concen: 20.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	112.1	168.1
98	63.9	51.3	76.9

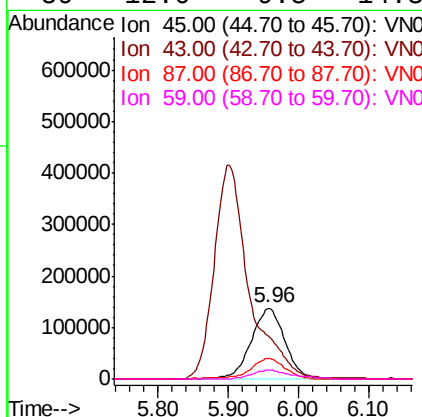
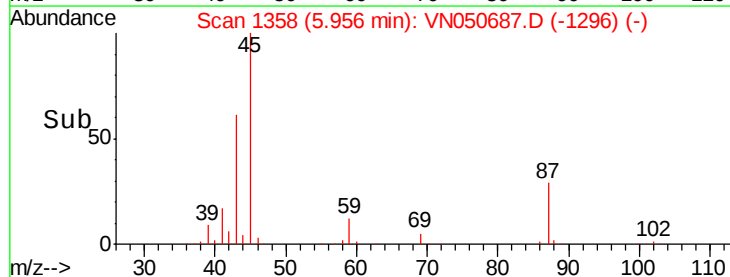
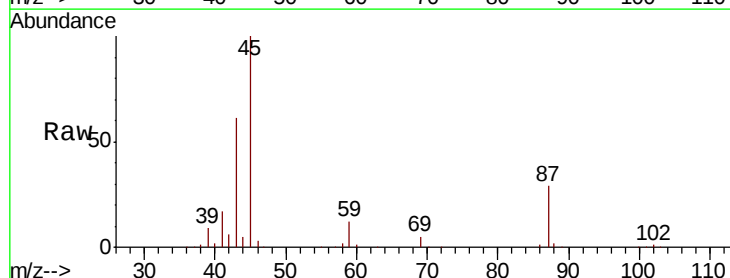
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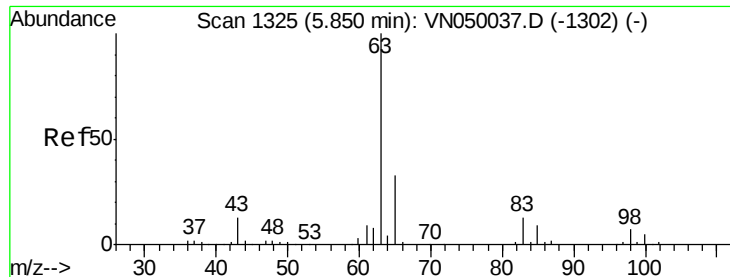
MMDadoda
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#20
Diisopropyl ether
Concen: 21.44 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.6	70.0
87	28.6	22.3	33.5
59	12.0	9.5	14.3





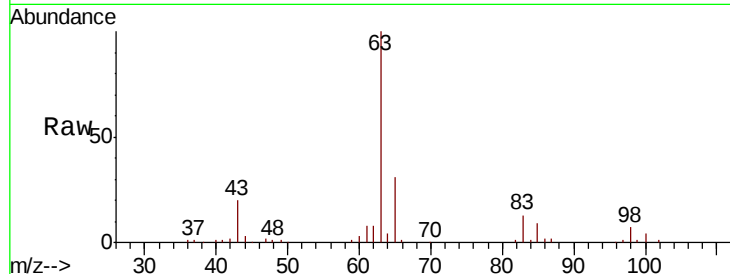
#21
 1,1-Dichloroethane
 Concen: 20.63 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

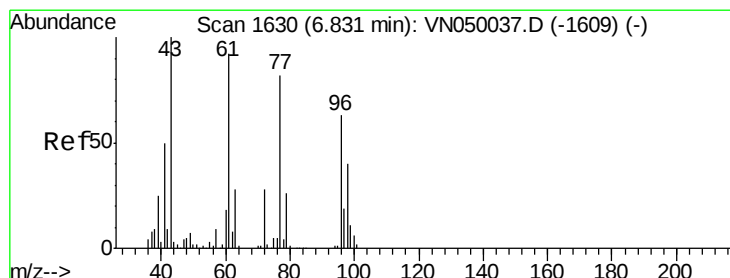
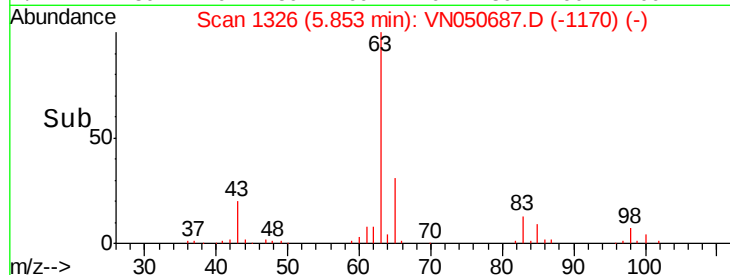
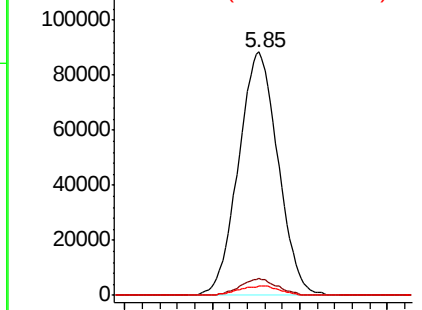
Tot Ion:	63	Resp:	276981
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.6
100	3.9	2.3	6.8

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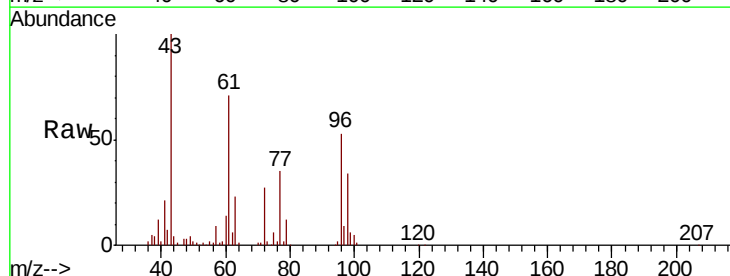


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)
 Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)
 Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)

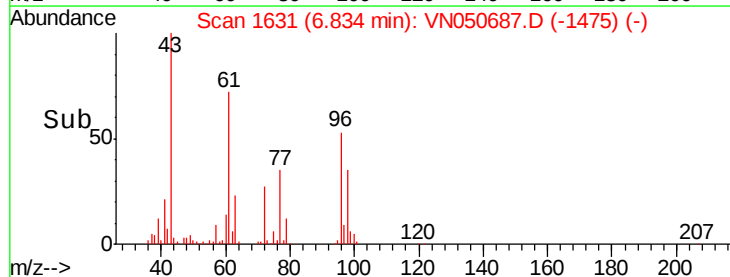
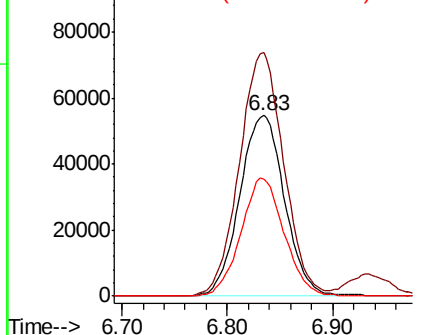


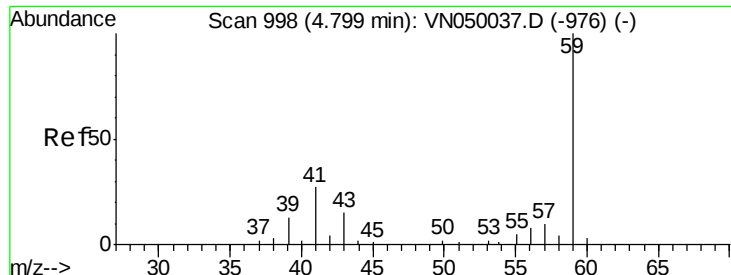
#22
 cis-1,2-Dichloroethene
 Concen: 20.61 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion:	96	Resp:	161329
Ion Ratio	Lower	Upper	
96	100		
61	133.4	114.2	171.2
98	63.1	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)
 Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)
 Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

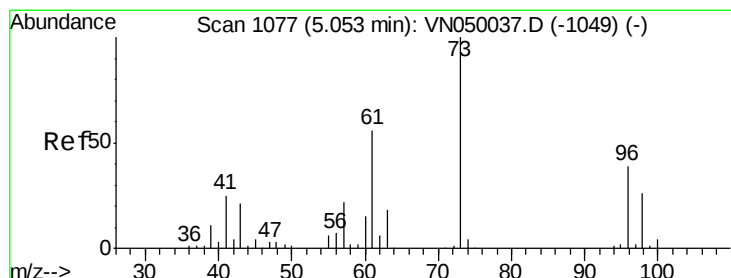
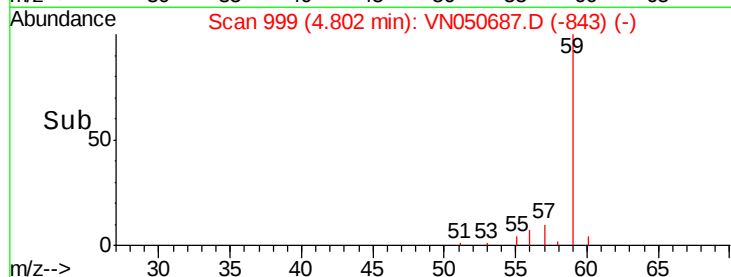
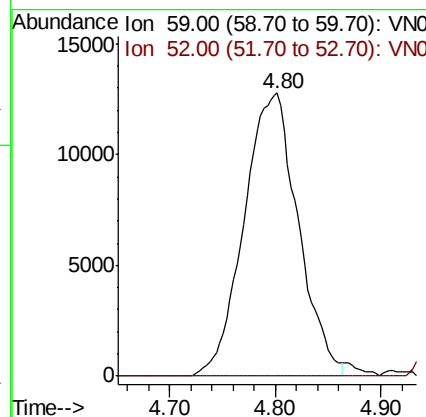
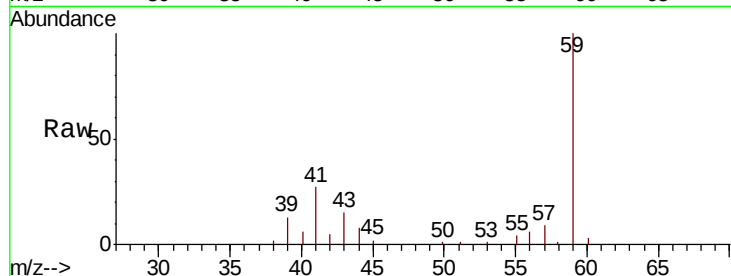
tert-Butyl Alcohol
 Concen: 81.08 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

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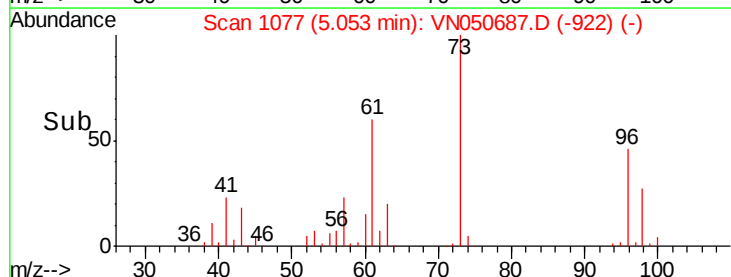
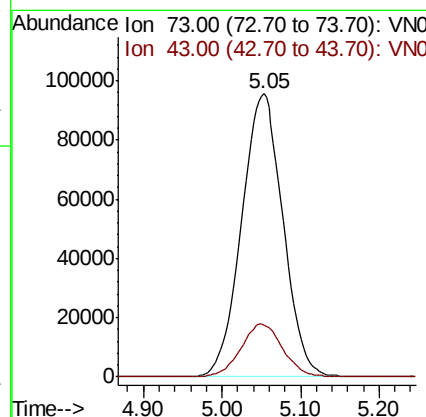
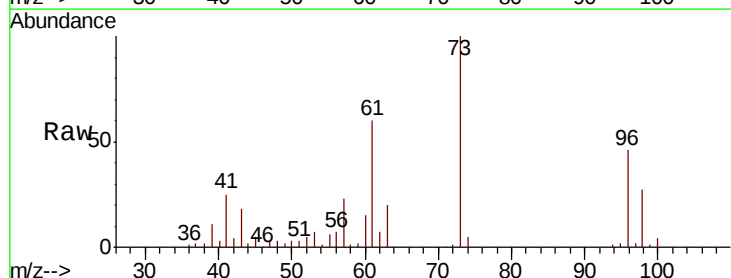
MMDadoda
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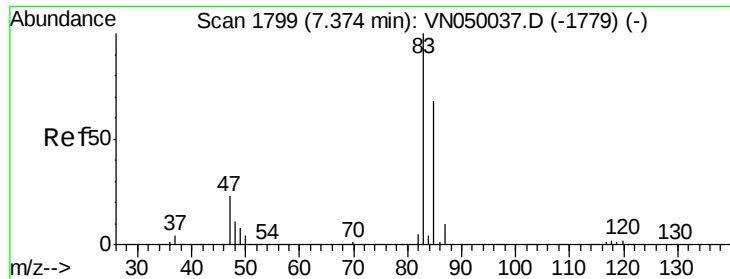


#24

Methyl tert-Butyl Ether
 Concen: 19.64 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.5	23.3





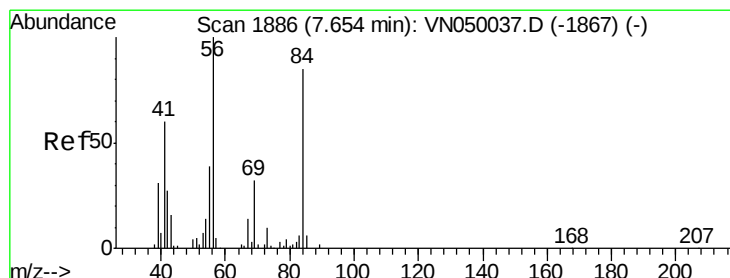
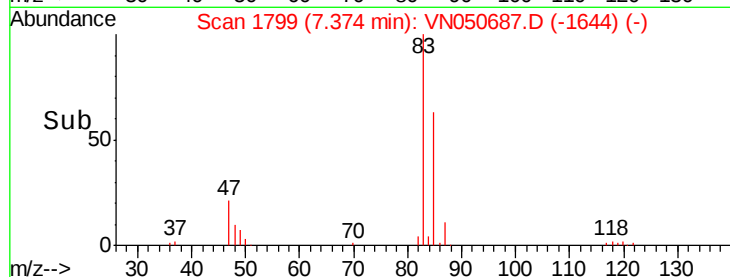
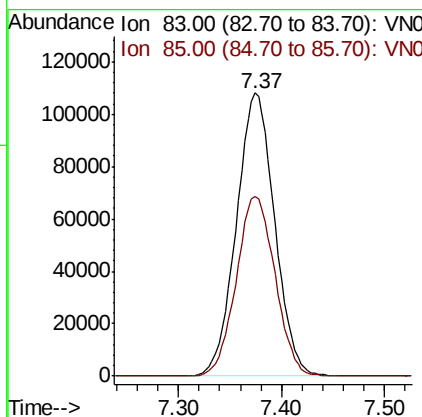
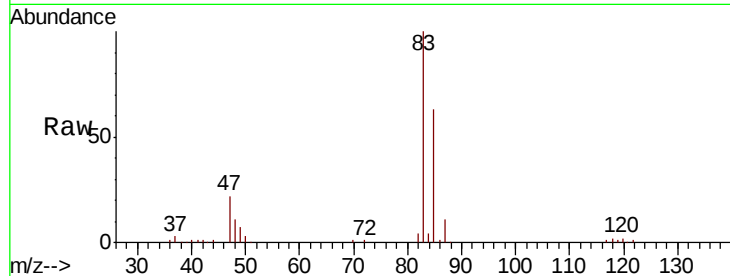
#25
Chloroform
Concen: 20.50 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	278673
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.1	78.1

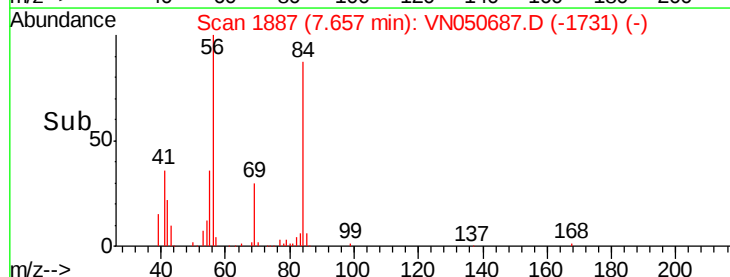
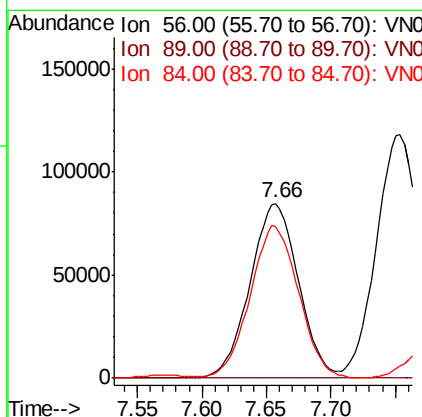
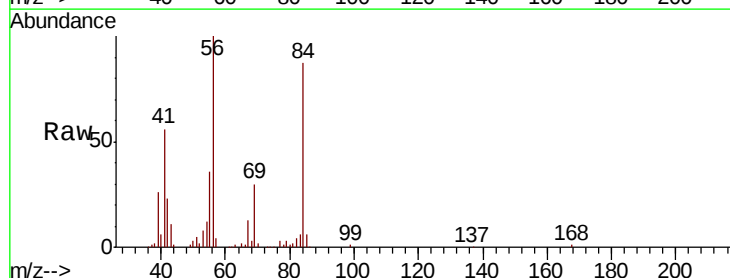
Manual Integrations
APPROVED

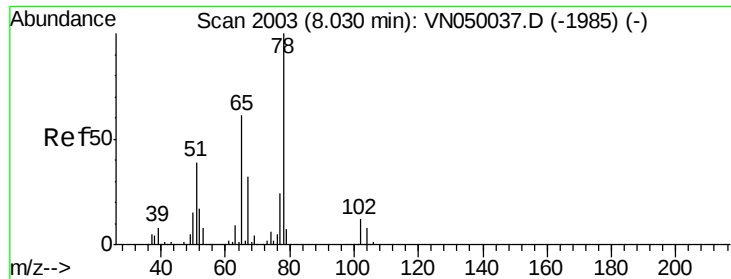
MMDadoda
8/16/2018 4:05:41 PM



#26
Cyclohexane
Concen: 20.77 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	56	Resp	221574
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	86.4	69.8	104.8





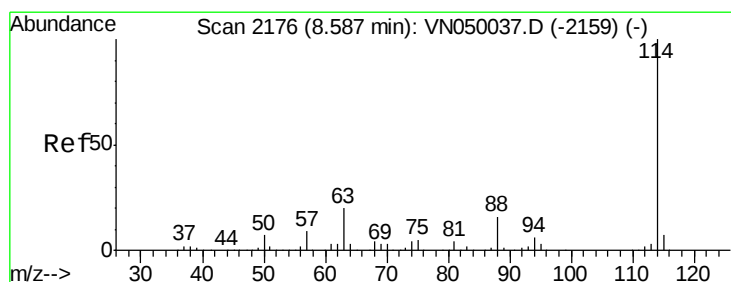
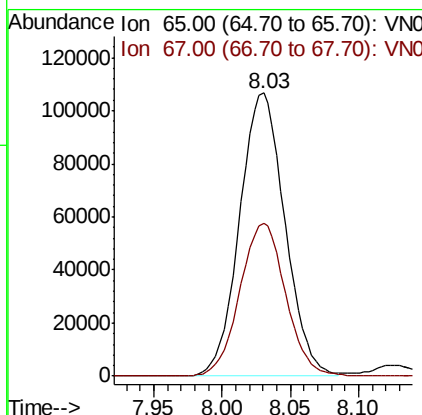
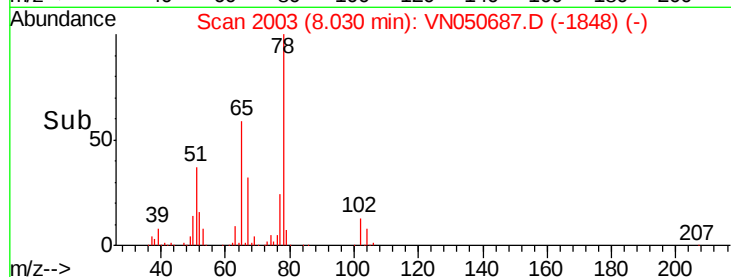
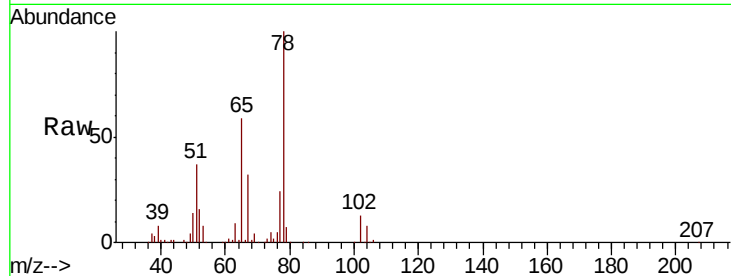
#27
 1,2-Dichloroethane-d4
 Concen: 29.25 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	42.7	64.1

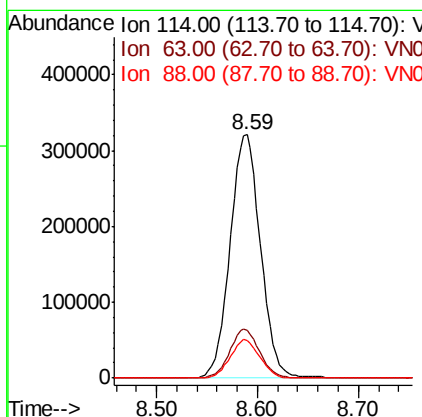
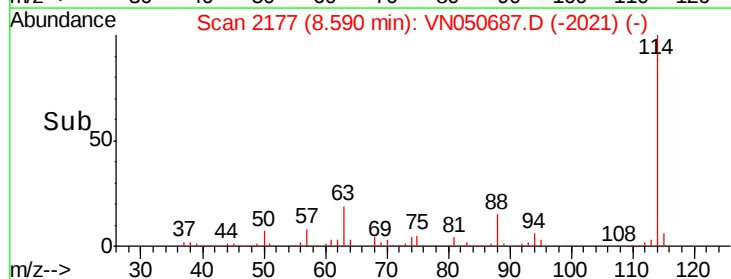
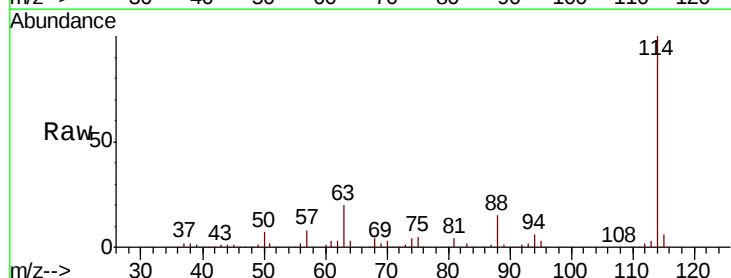
Manual Integrations
 APPROVED

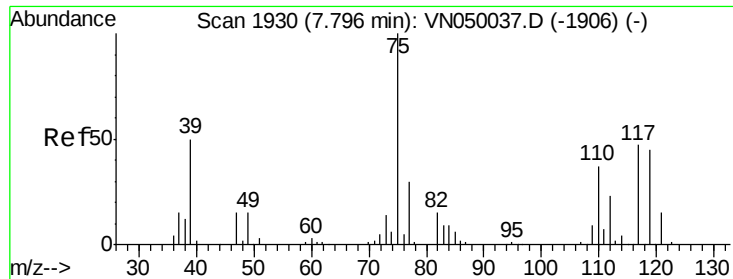
MMDadoda
 8/16/2018 4:05:41 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.2	24.2
88	15.4	12.3	18.5





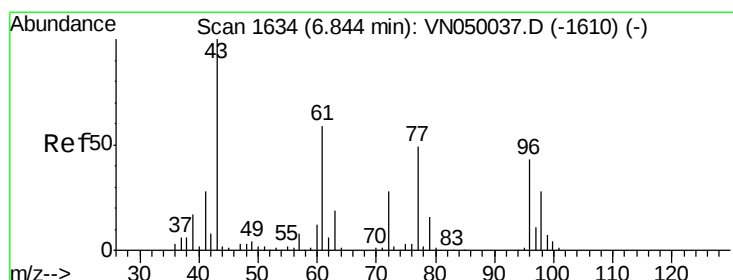
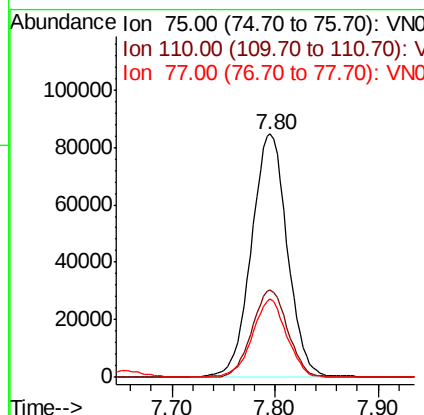
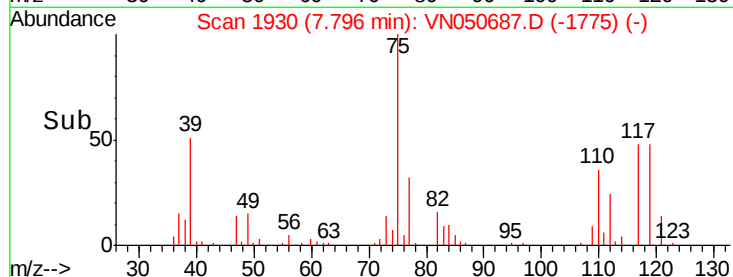
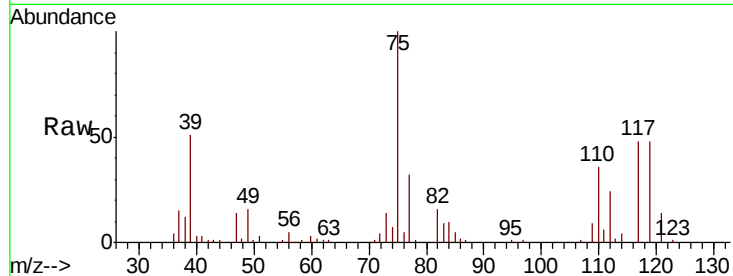
#29
 1,1-Dichloropropene
 Concen: 19.58 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.6	0.0	73.2
77	30.9	0.0	62.0

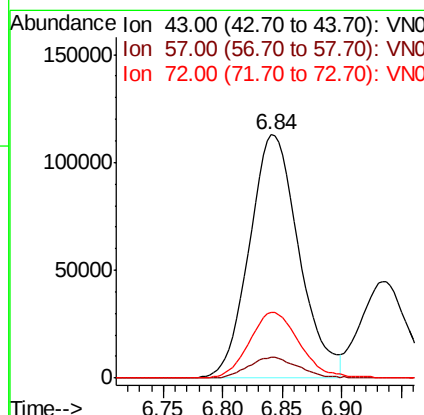
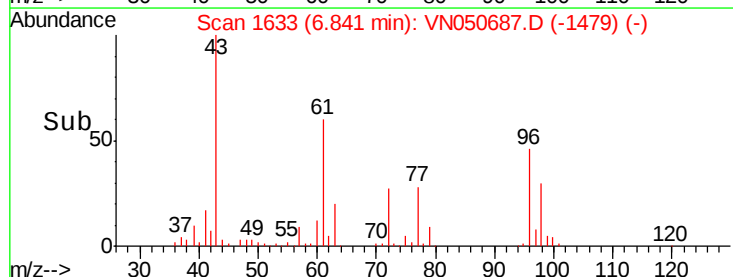
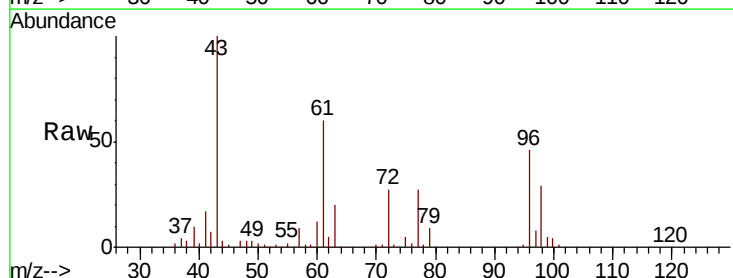
Manual Integrations
 APPROVED

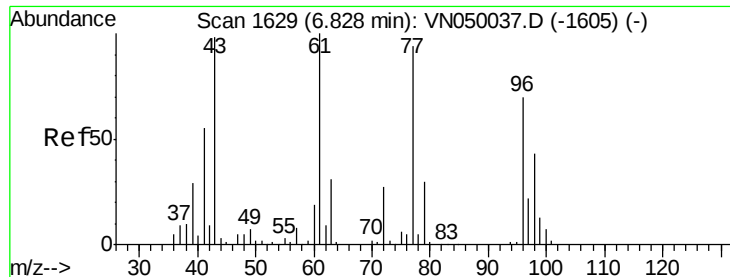
MMDadoda
 8/16/2018 4:05:41 PM



#30
 2-Butanone
 Concen: 98.75 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	6.8	10.2
72	27.8	21.4	32.0





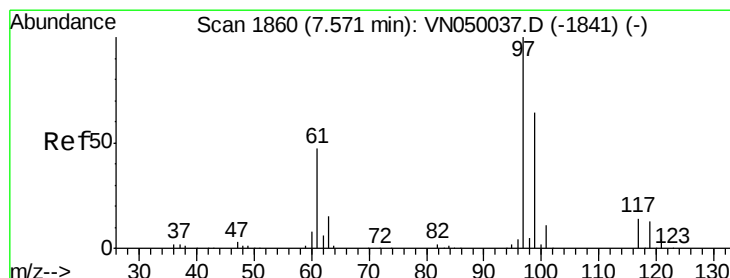
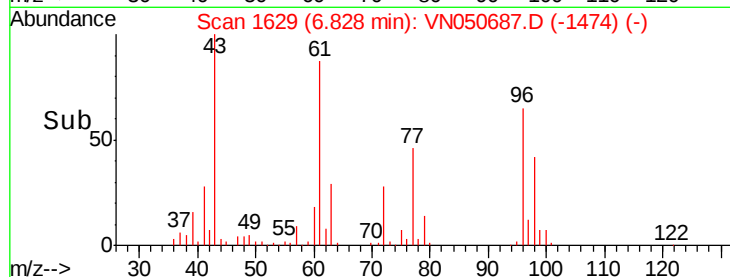
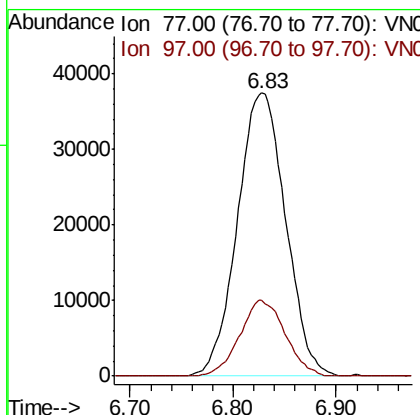
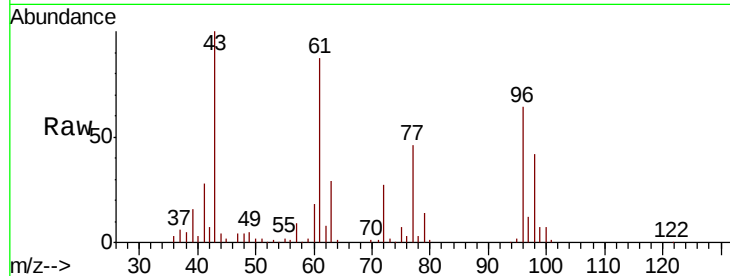
#31
 2,2-Dichloropropane
 Concen: 10.51 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 121432
 Ion Ratio Lower Upper
 77 100
 97 25.4 18.9 28.3

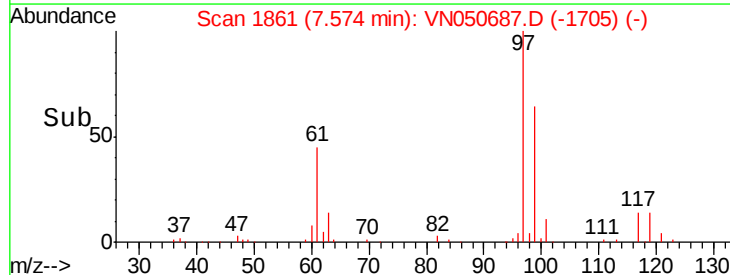
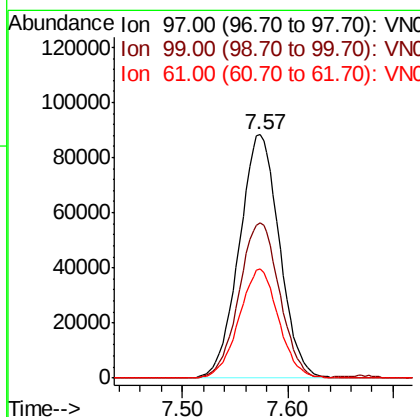
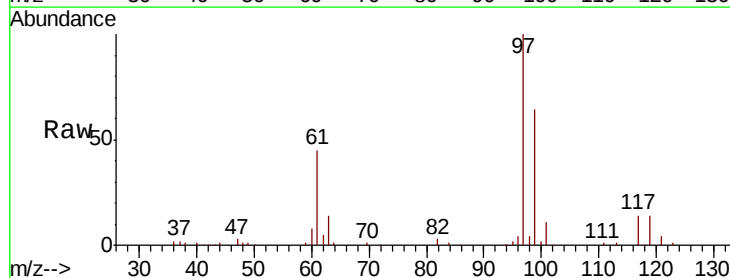
Manual Integrations
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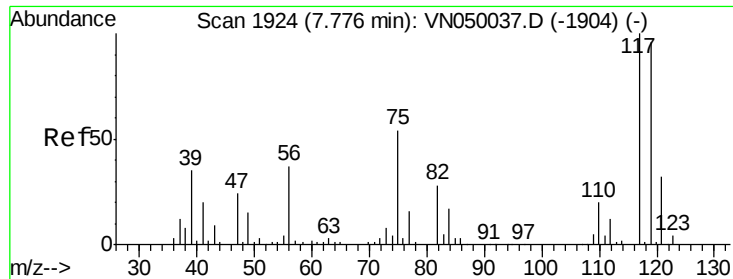
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 8/16/2018 4:05:41 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.04 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 97 Resp: 234337
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 44.0 35.3 52.9





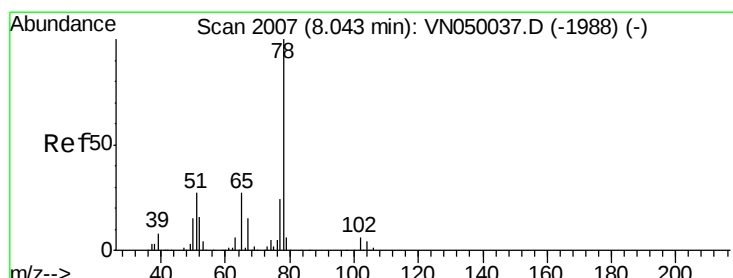
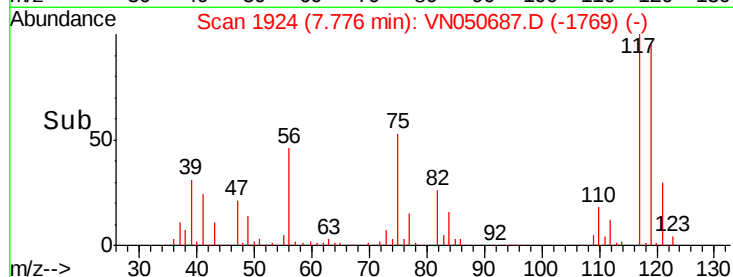
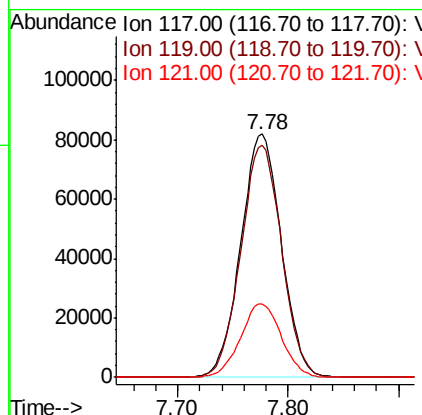
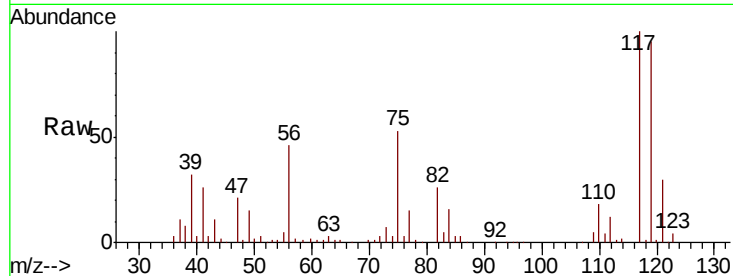
#33
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208522		
119	95.2	76.9	115.3	
121	30.2	24.4	36.6	

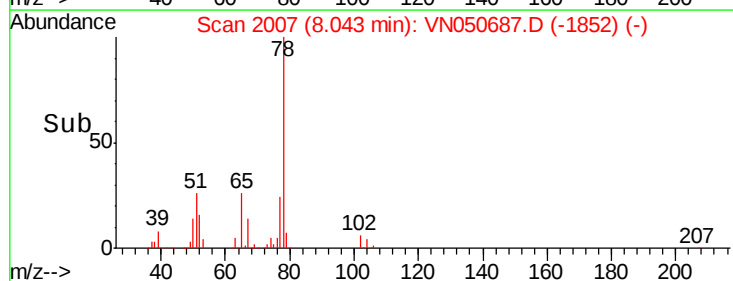
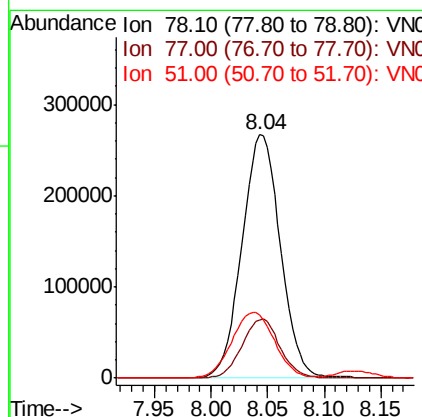
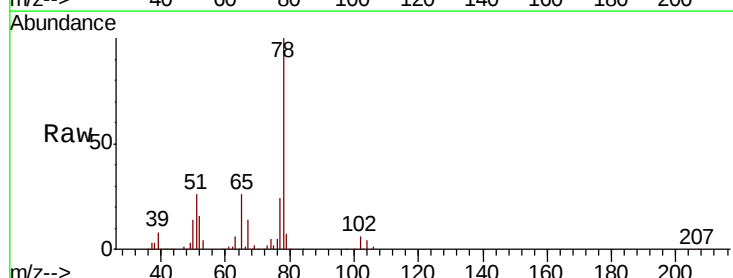
Manual Integrations
APPROVED

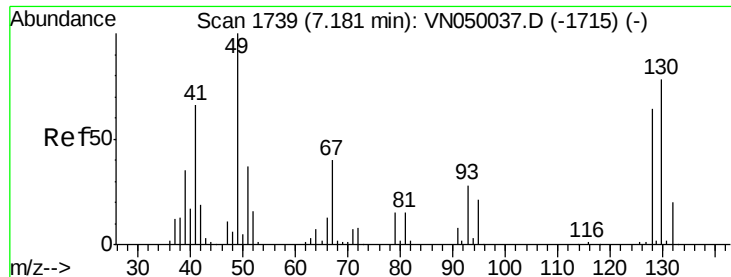
MMDadoda
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#34
Benzene
Concen: 19.87 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	630800		
77	24.1	19.1	28.7	
51	26.0	21.0	31.4	





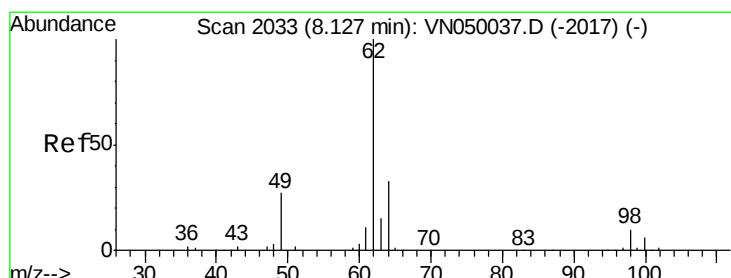
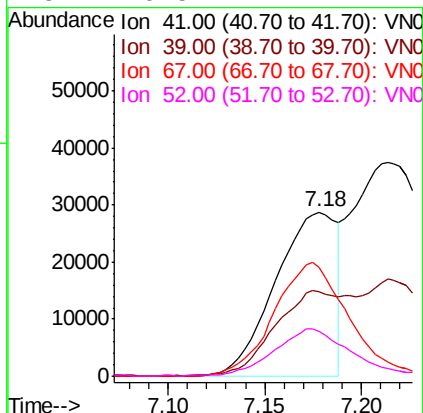
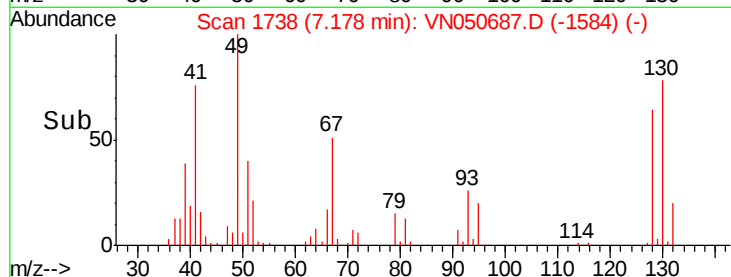
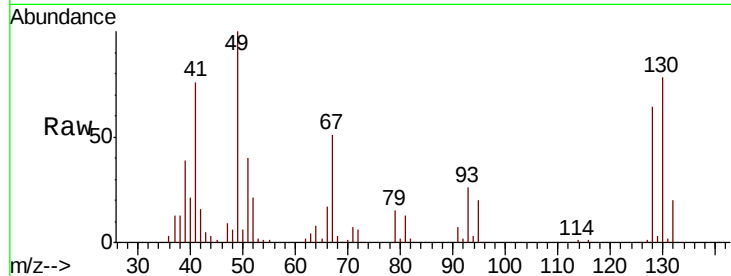
#35
Methacrylonitrile
Concen: 17.00 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	63485
Ion	Ratio	Lower	Upper
41	100		
39	51.5	27.6	82.7
67	66.2	35.1	105.5
52	26.5	14.1	42.4

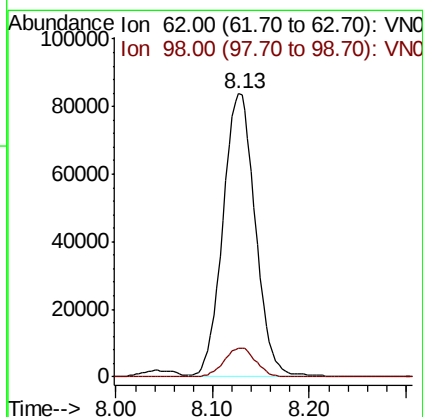
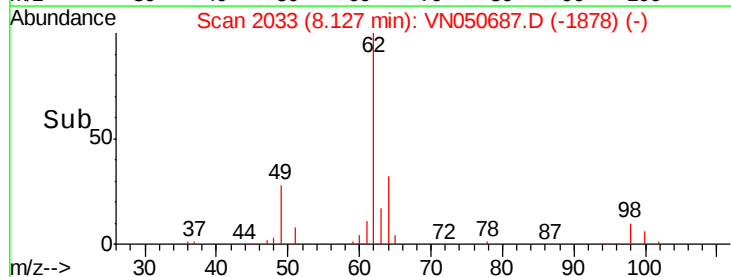
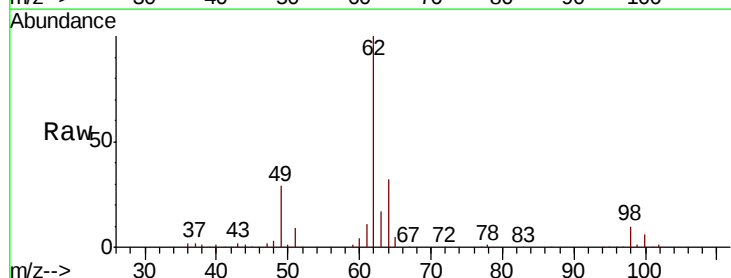
Manual Integrations
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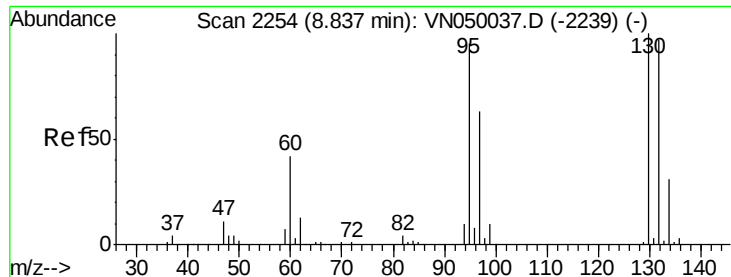
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#36
1,2-Dichloroethane
Concen: 18.76 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion:	62	Resp:	195602
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.8	11.6





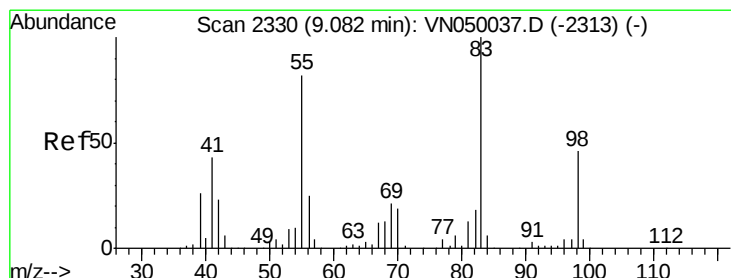
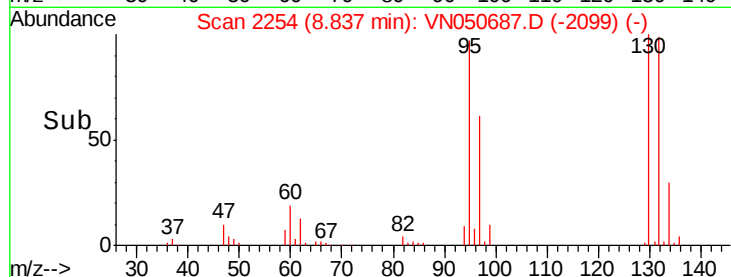
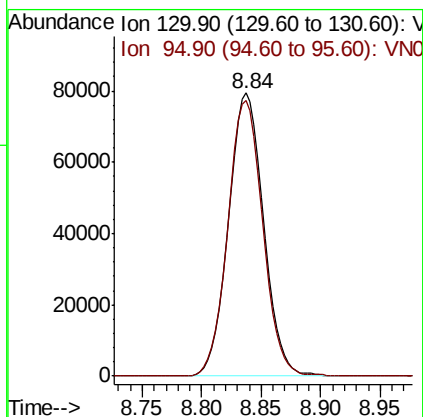
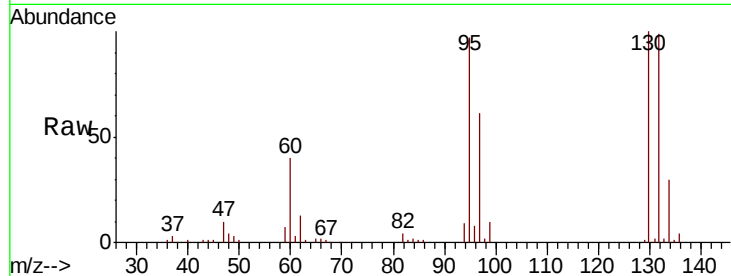
#37
 Trichloroethene
 Concen: 19.49 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 162276
 Ion Ratio Lower Upper
 130 100
 95 97.4 79.7 119.5

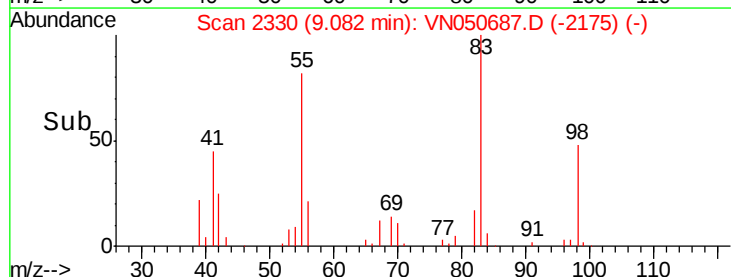
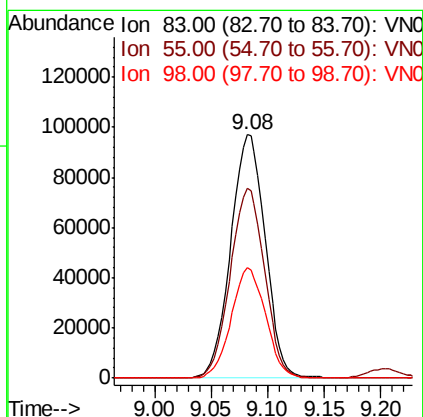
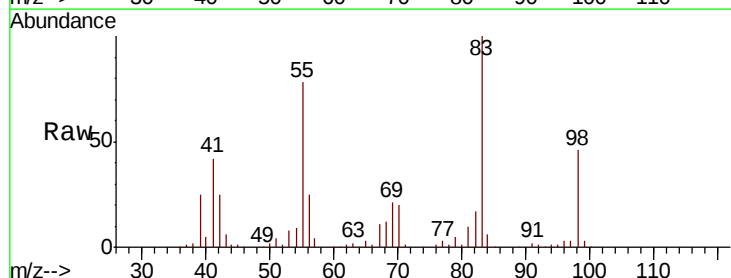
Manual Integrations
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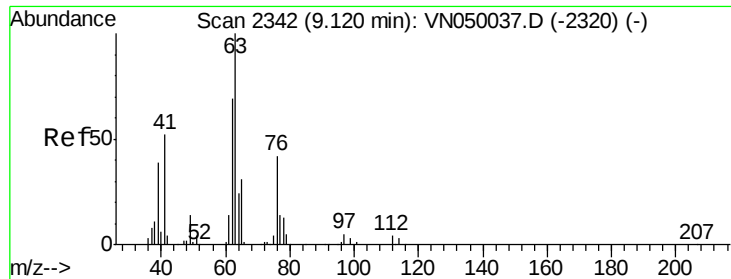
MMDadoda
 8/16/2018 4:05:41 PM



#38
 Methylcyclohexane
 Concen: 18.71 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion: 83 Resp: 206177
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.3 117.8
 98 45.1 23.0 69.0





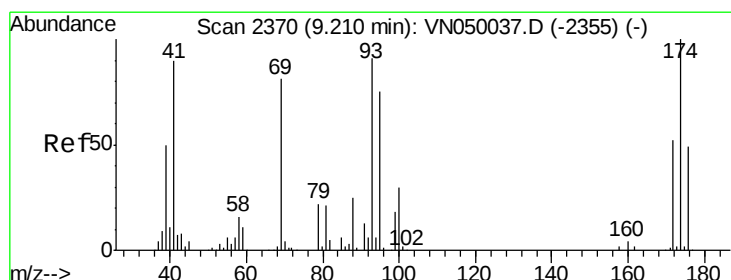
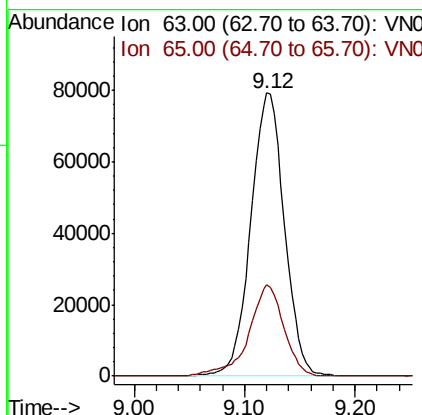
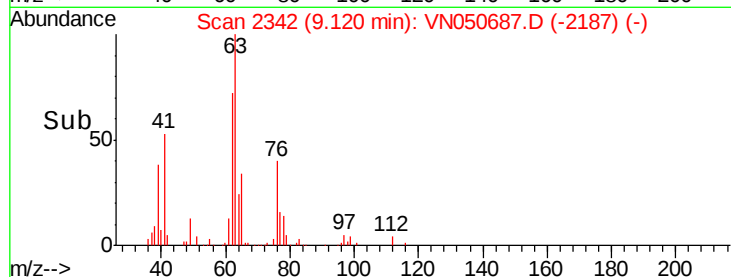
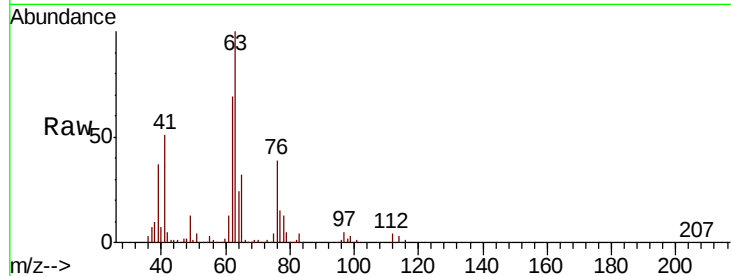
#39
 1,2-Dichloropropane
 Concen: 19.98 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.2	36.2

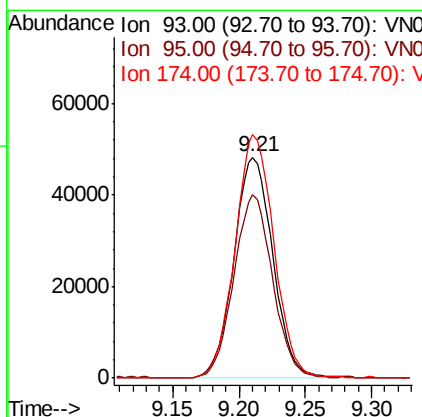
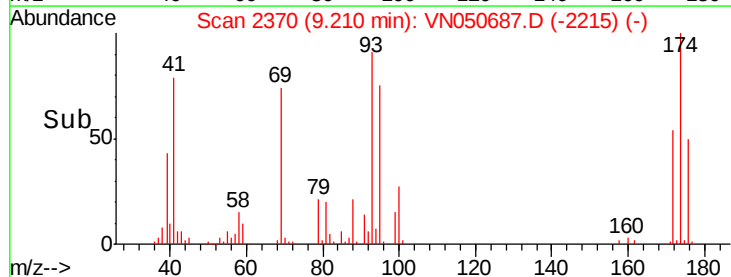
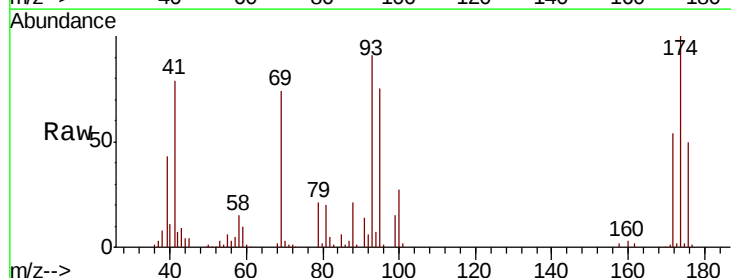
Manual Integrations
 APPROVED

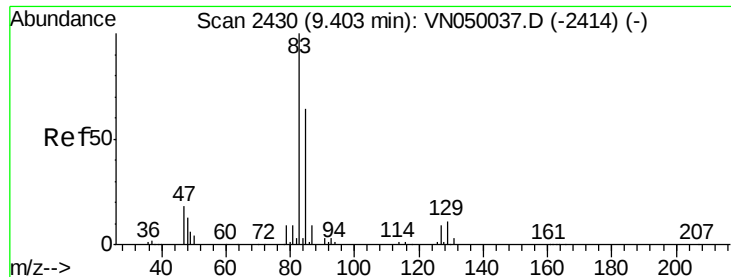
MMDadoda
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#40
 Dibromomethane
 Concen: 19.10 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	165.6
174	110.2	0.0	223.2





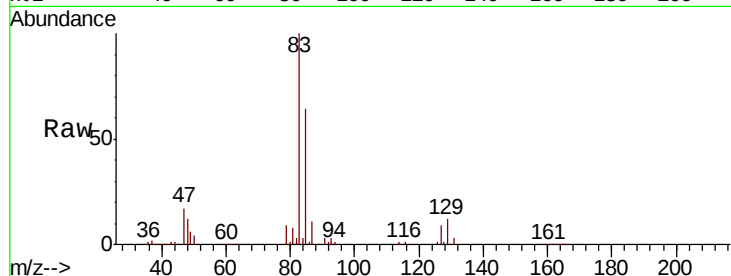
#41
Bromodichloromethane
Concen: 19.27 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

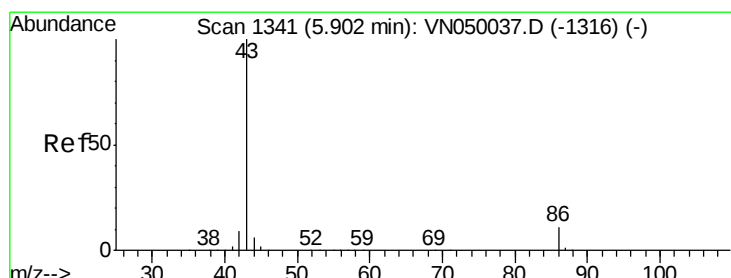
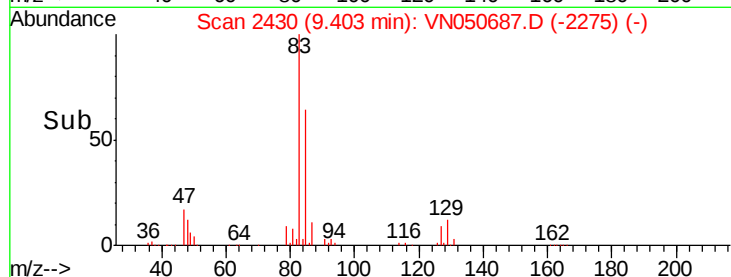
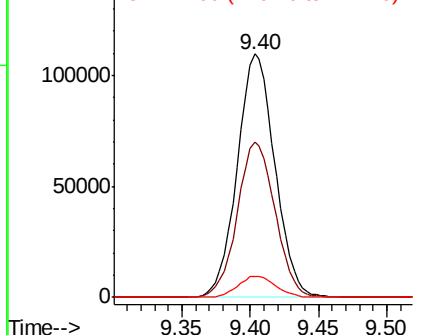
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.6	78.8
127	8.8	7.0	10.4

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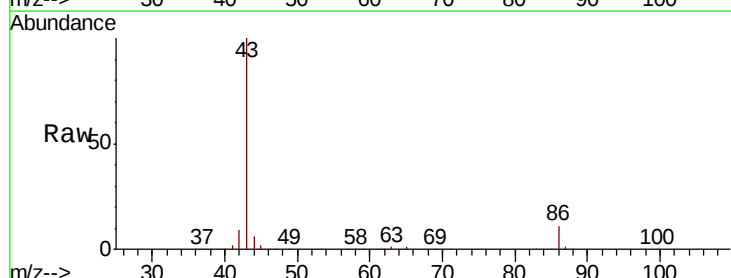


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

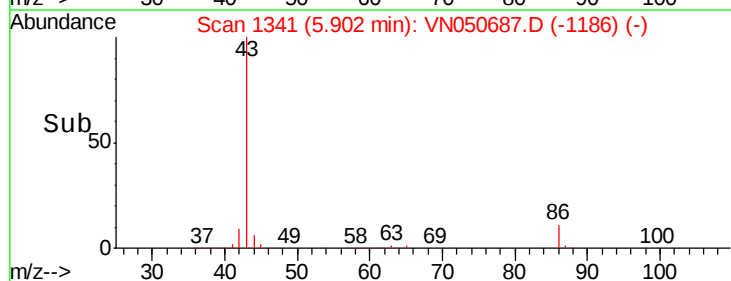
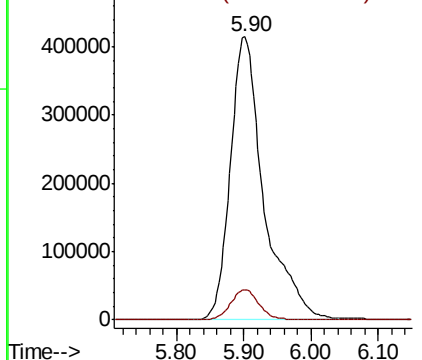


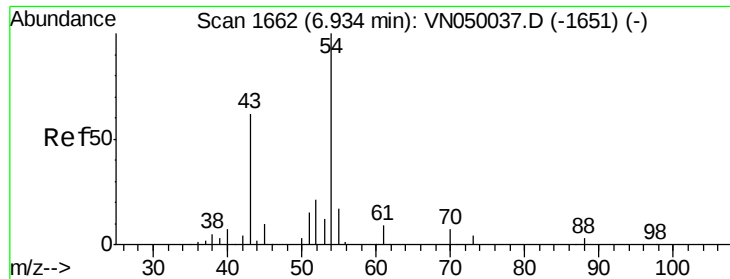
#42
Vinyl Acetate
Concen: 93.17 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





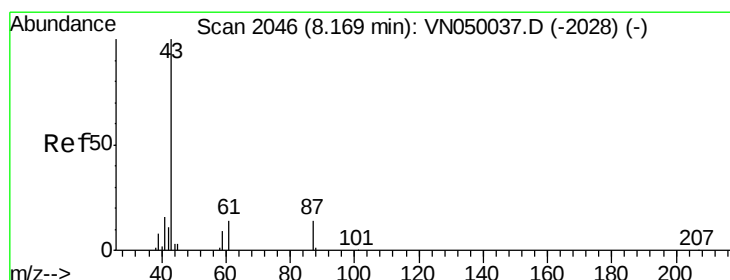
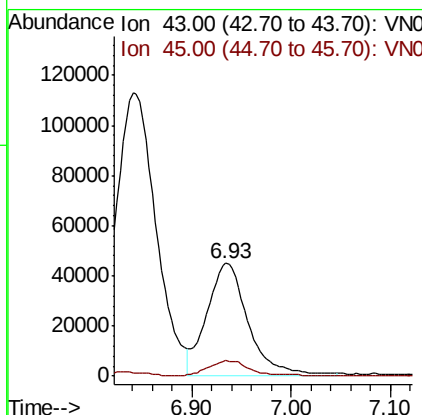
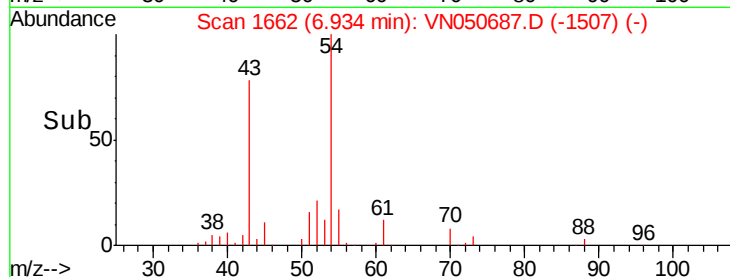
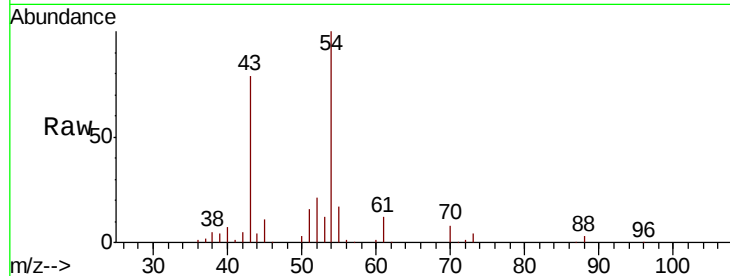
#43
Ethyl Acetate
Concen: 19.41 ug/l m
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 132975
Ion Ratio Lower Upper
43 100
45 0.0 13.0 19.6#

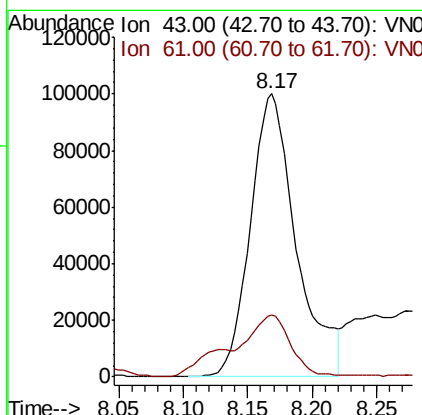
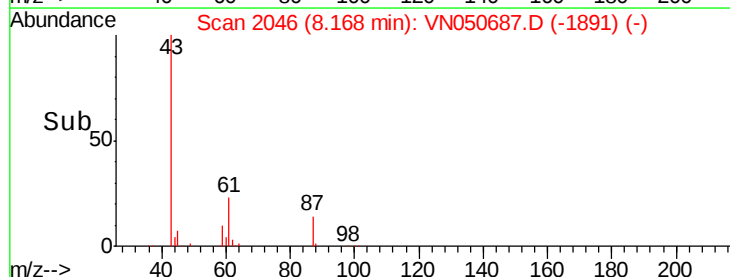
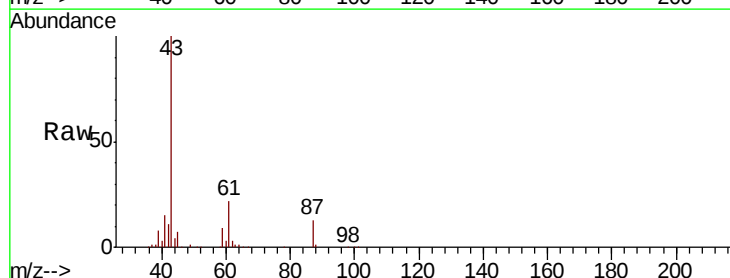
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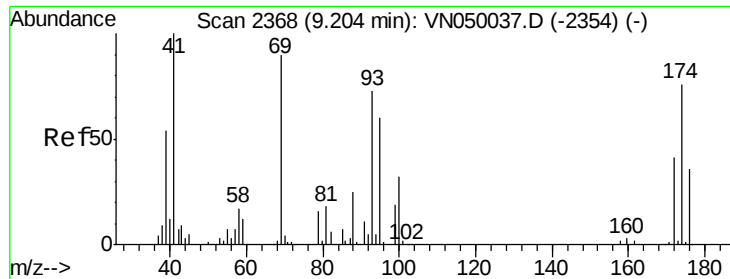
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#44
Isopropyl Acetate
Concen: 19.43 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 43 Resp: 246602
Ion Ratio Lower Upper
43 100
61 18.9 16.4 24.6





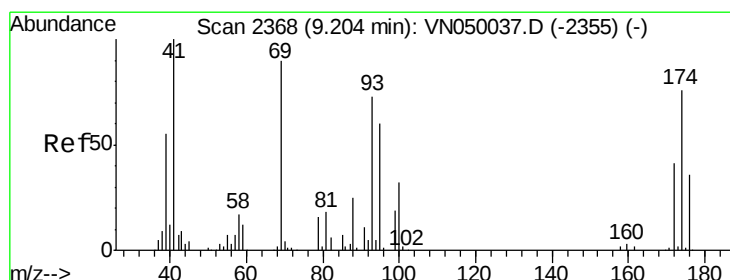
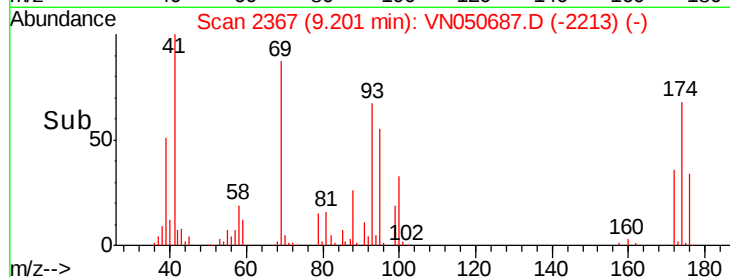
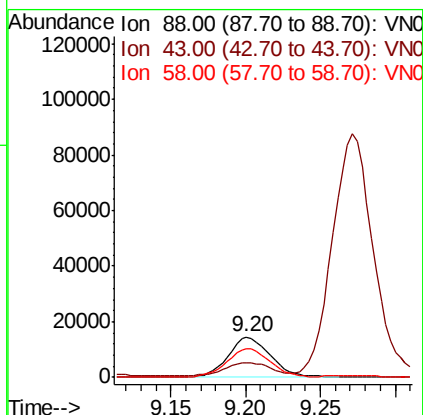
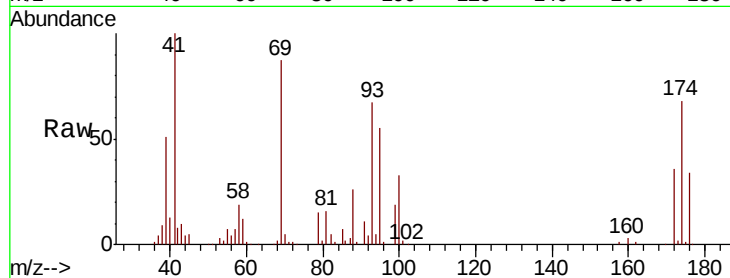
#45
 1,4-Dioxane
 Concen: 338.52 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.9	40.3
58	73.7	53.6	80.4

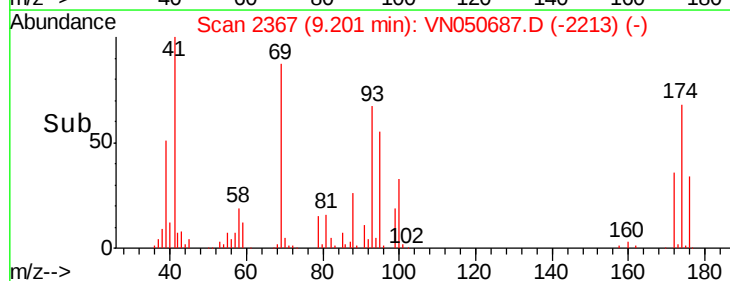
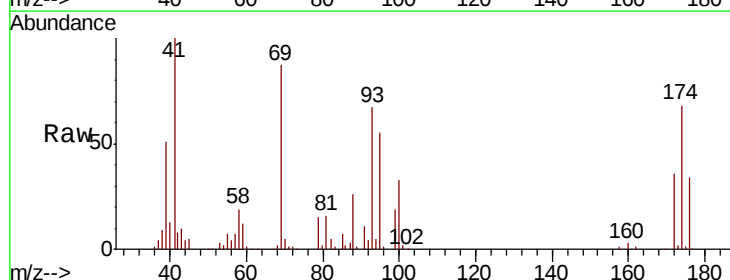
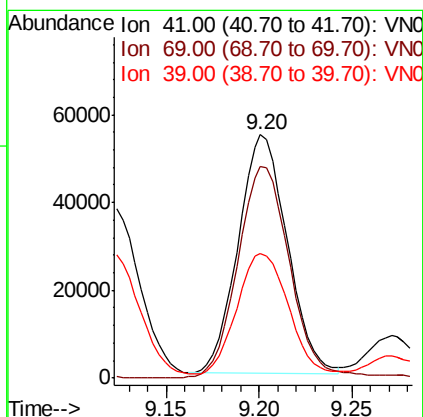
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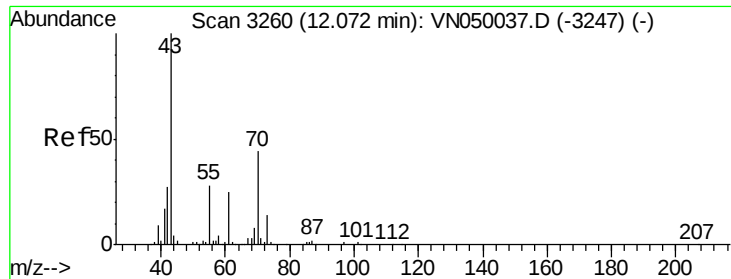
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#46
 Methyl methacrylate
 Concen: 16.28 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	44.0	132.1
39	50.8	27.0	80.8





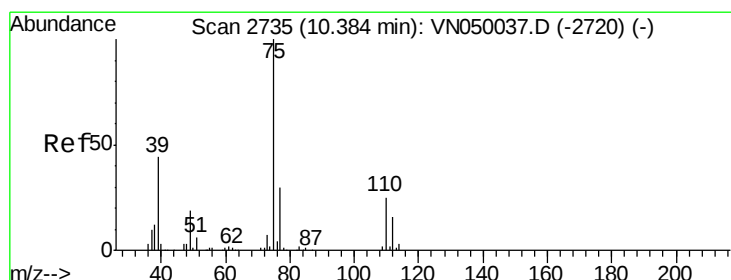
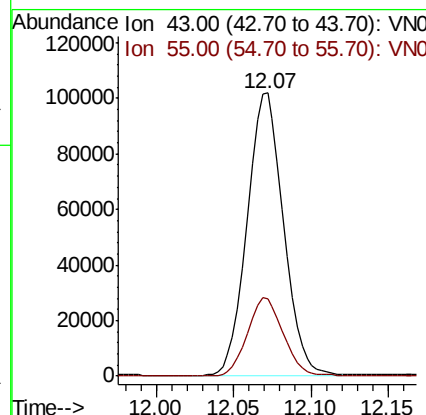
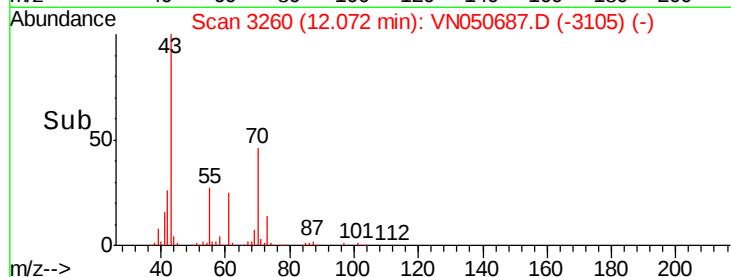
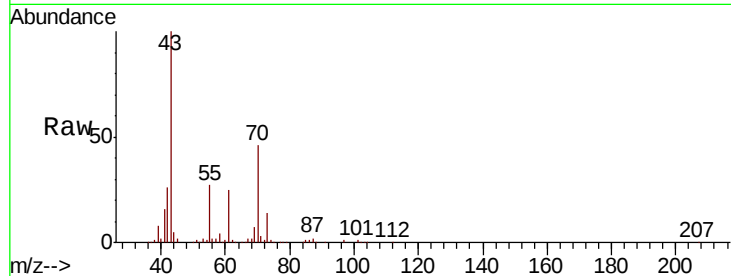
#47
n-amvl Acetate
Concen: 16.84 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 166248
Ion Ratio Lower Upper
43 100
55 27.6 21.0 31.4

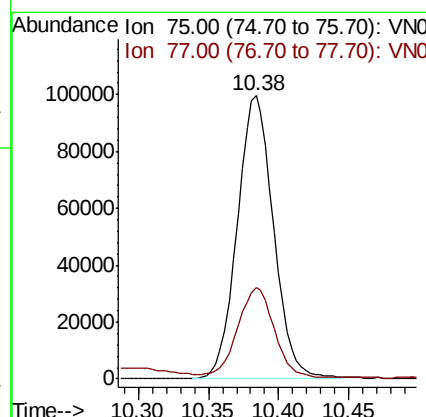
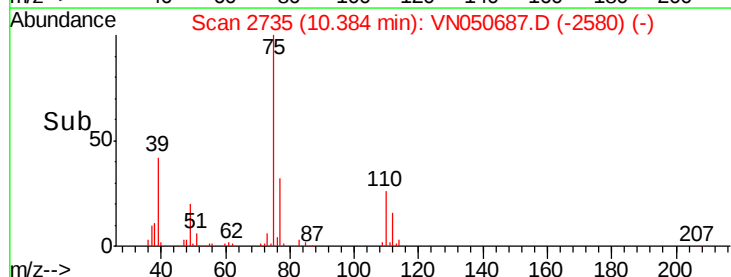
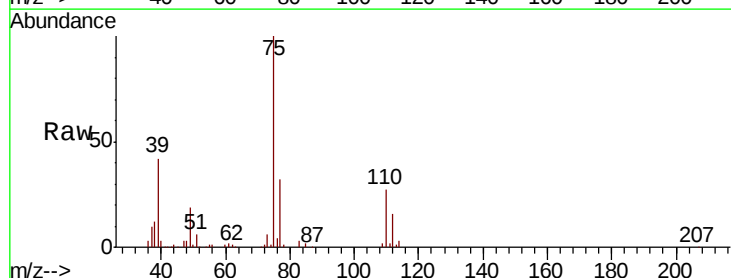
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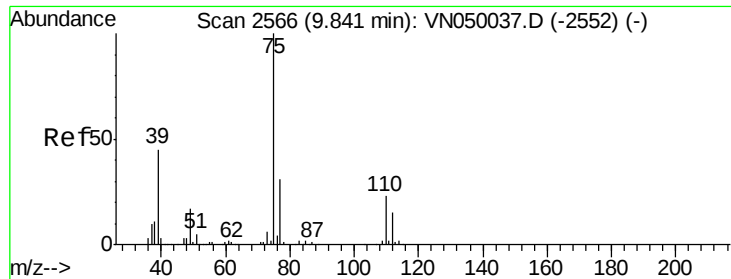
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#48
t-1,3-Dichloropropene
Concen: 17.27 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion: 75 Resp: 179490
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0





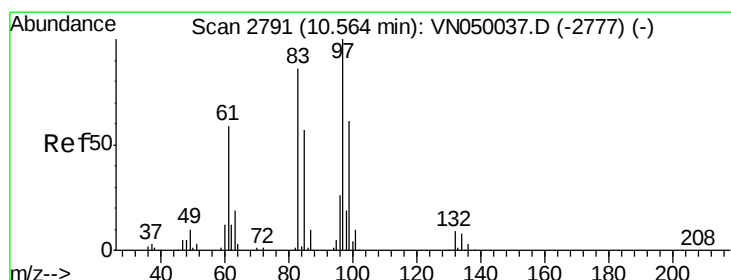
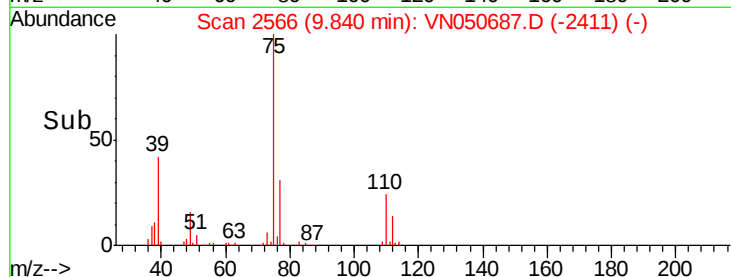
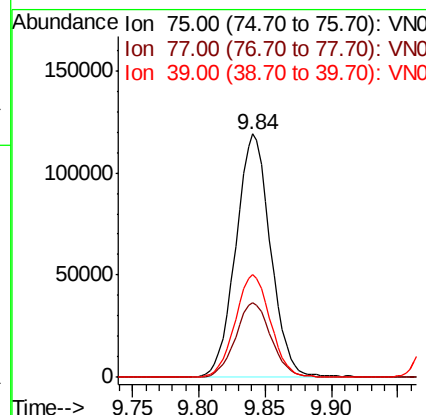
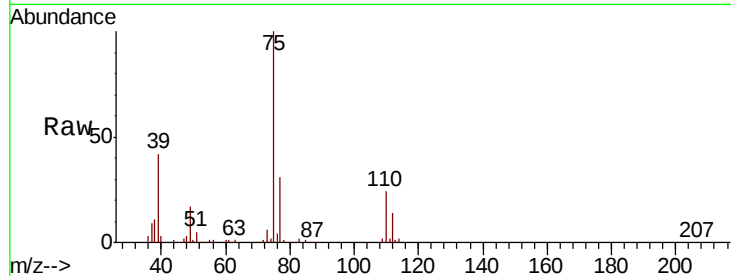
#49
 cis-1,3-Dichloropropene
 Concen: 17.77 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5
39	41.8	36.3	54.5

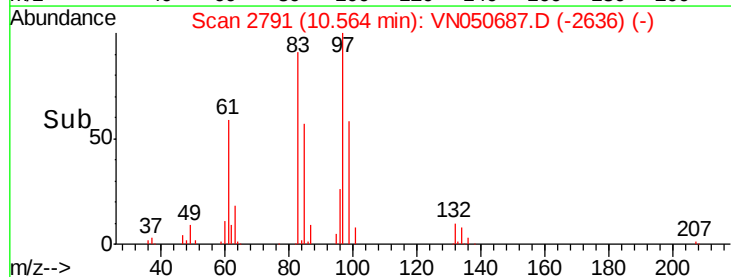
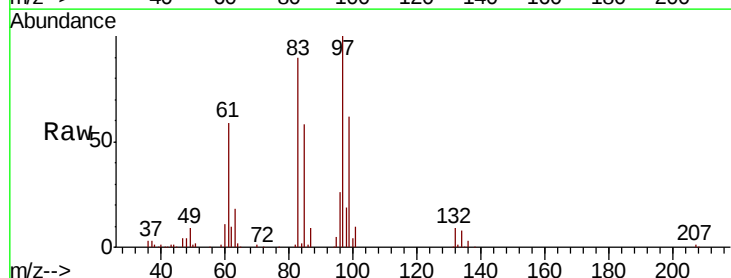
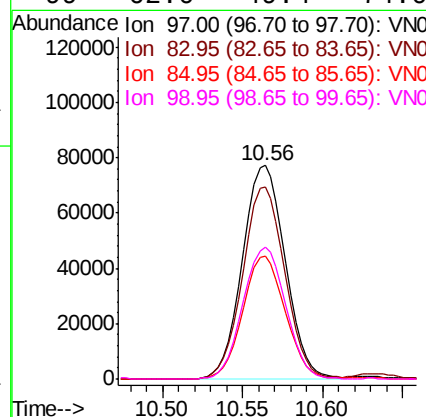
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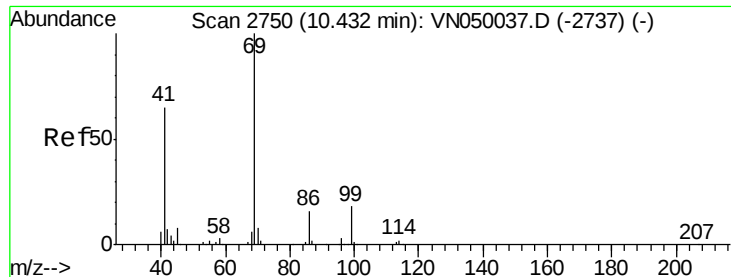
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#50
 1,1,2-Trichloroethane
 Concen: 19.02 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.1	102.1
85	57.6	45.4	68.2
99	62.0	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.99 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

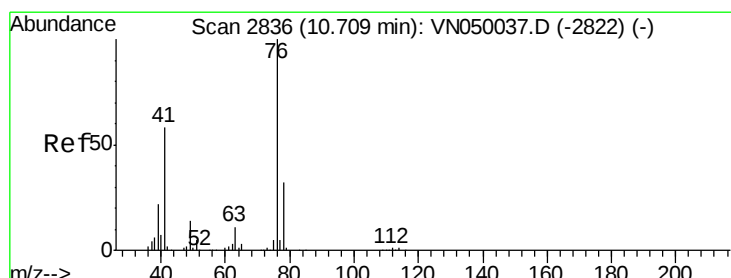
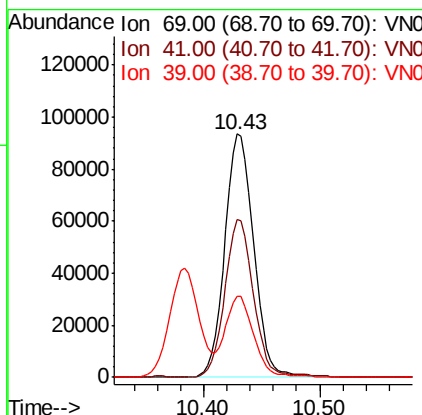
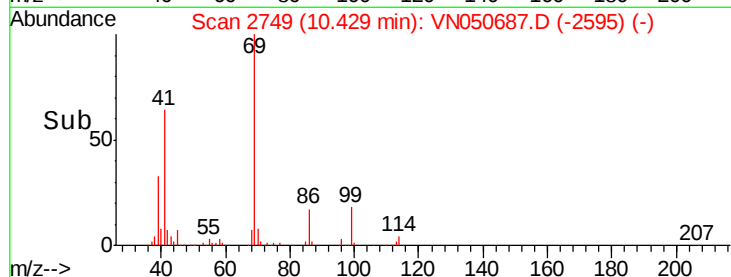
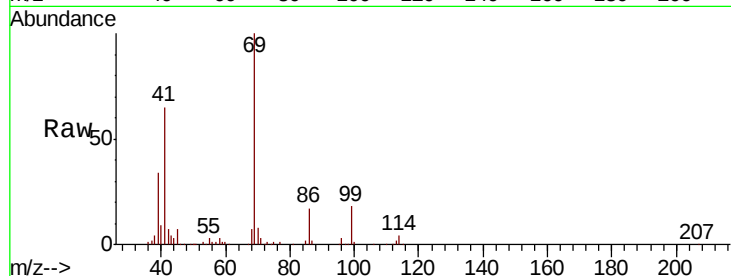
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	162055
Ion Ratio	Lower	Upper	
69	100		
41	64.3	31.9	95.9
39	33.1	16.7	50.1

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#52

1,3-Dichloropropane

Concen: 18.96 ug/l

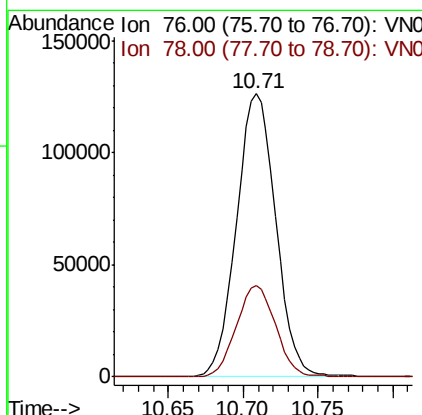
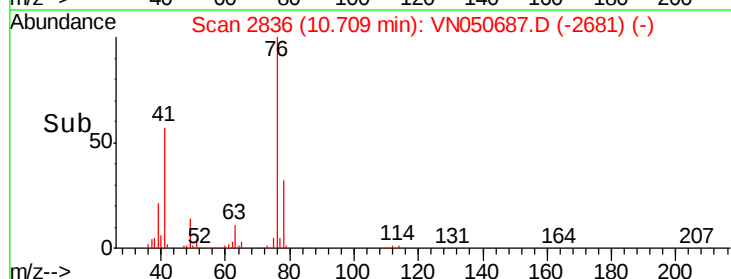
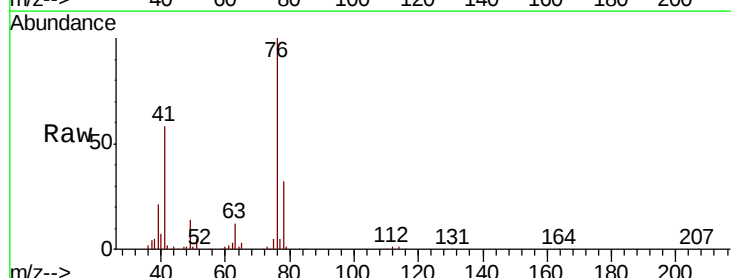
RT: 10.71 min Scan# 2836

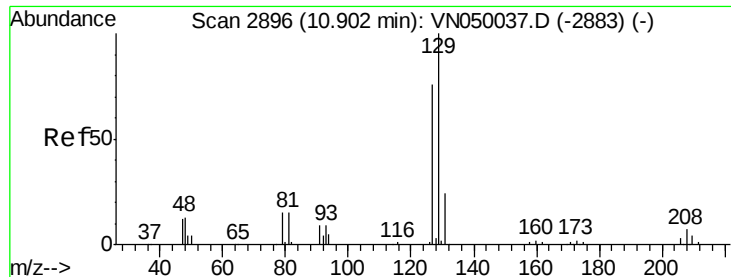
Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion:	76	Resp:	231077
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	65.6





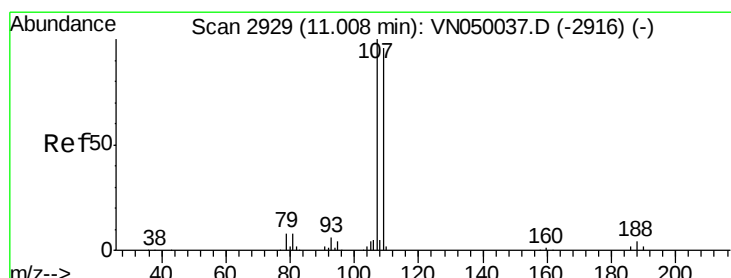
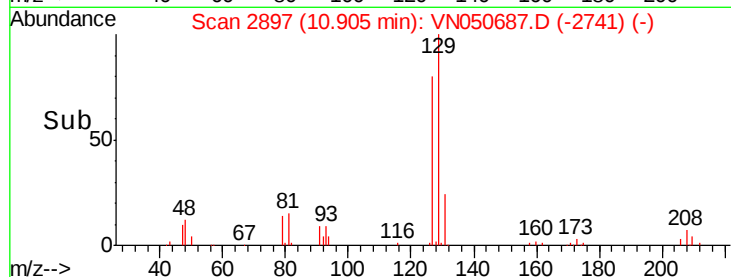
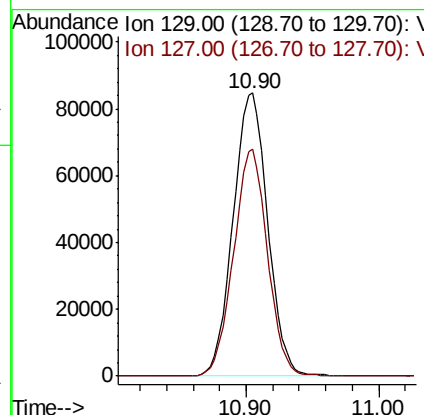
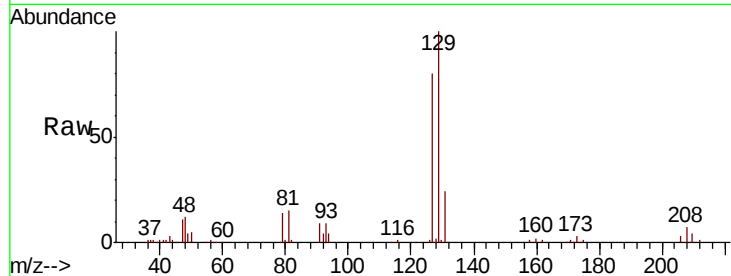
#53
Dibromochloromethane
Concen: 18.26 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 153795
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.5

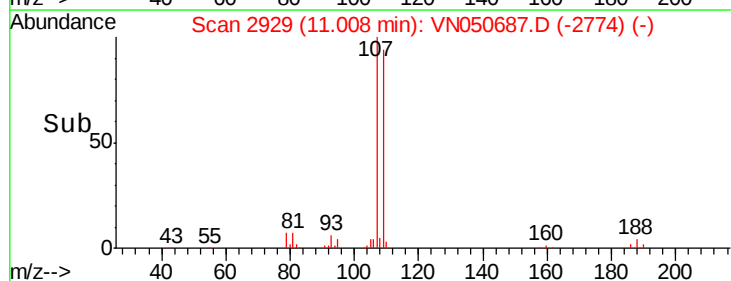
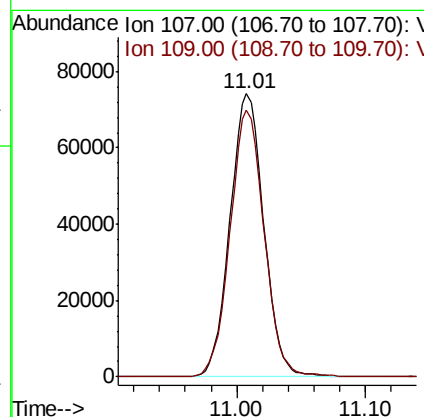
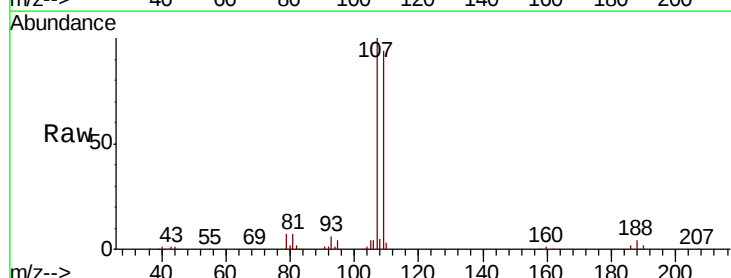
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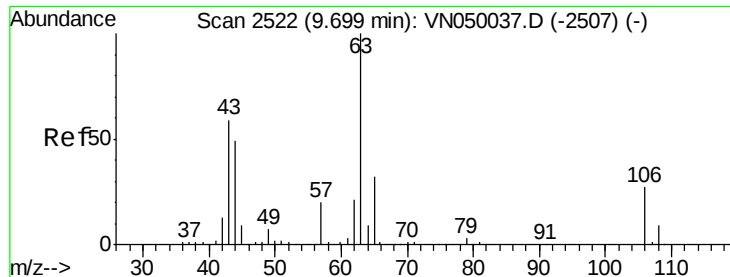
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#54
1,2-Dibromoethane
Concen: 18.54 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion:107 Resp: 134704
Ion Ratio Lower Upper
107 100
109 95.0 76.2 114.2





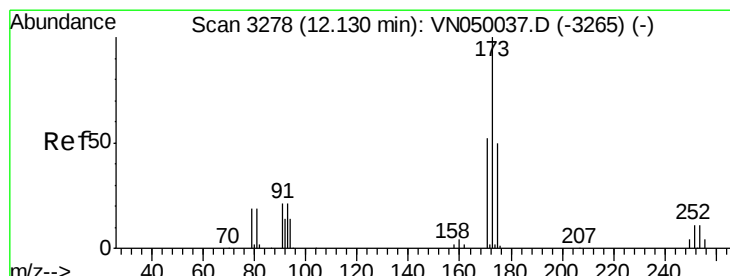
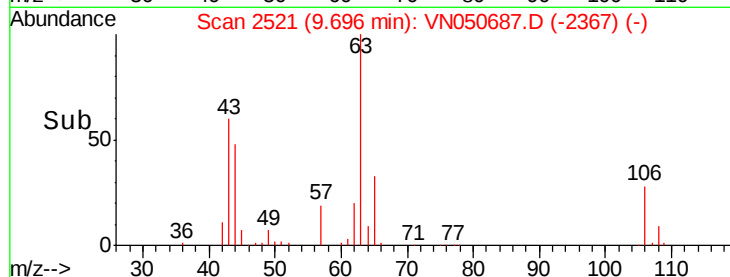
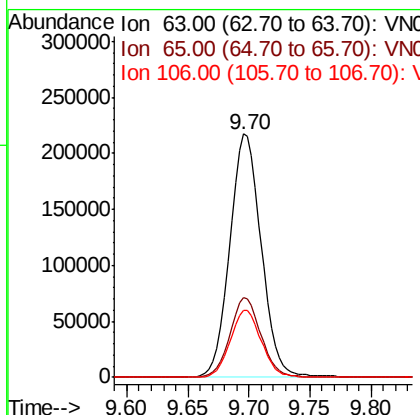
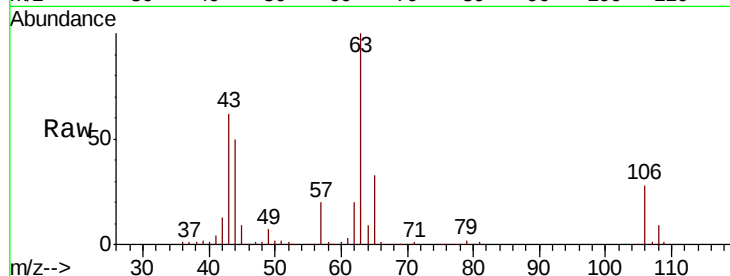
#55
2-Chloroethyl vinyl ether
Concen: 95.80 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	27.2	21.8	32.6

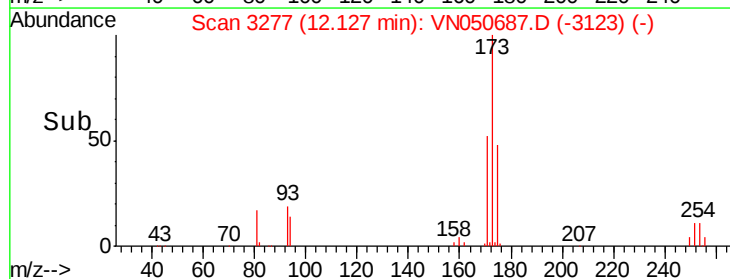
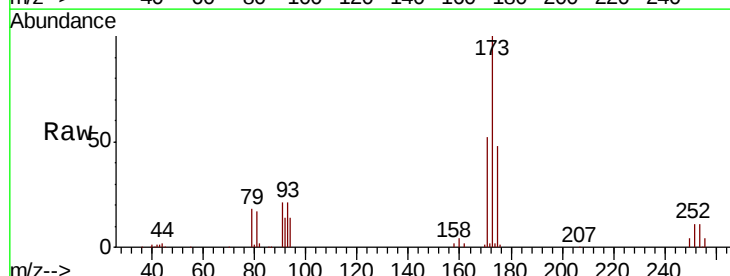
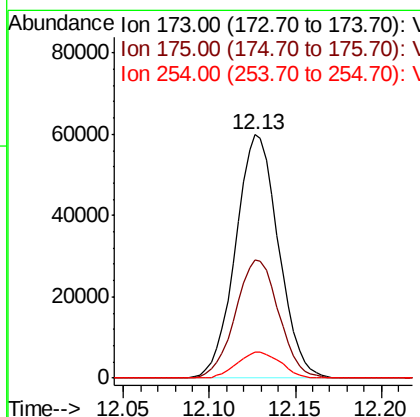
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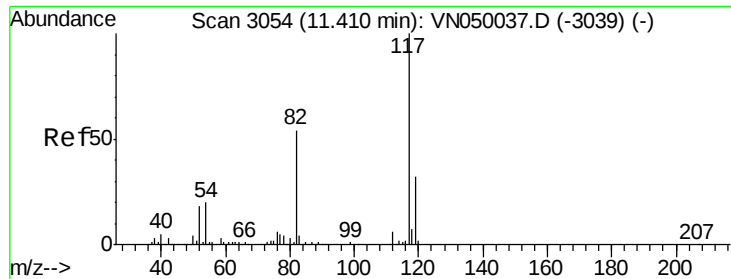
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#56
Bromoform
Concen: 17.52 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
254	10.9	8.8	13.2





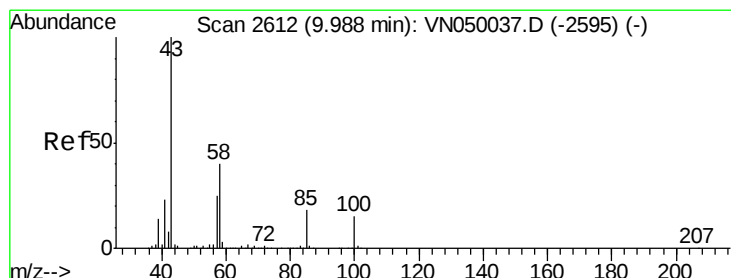
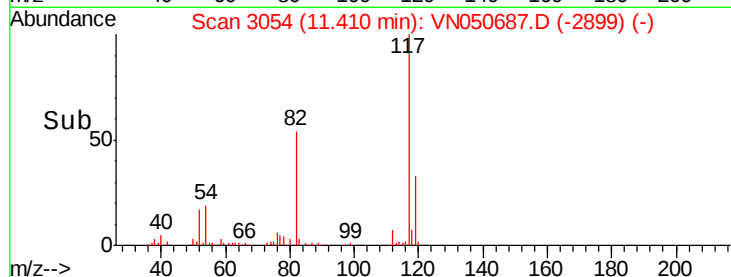
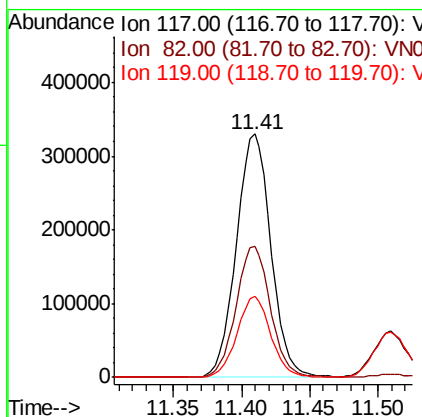
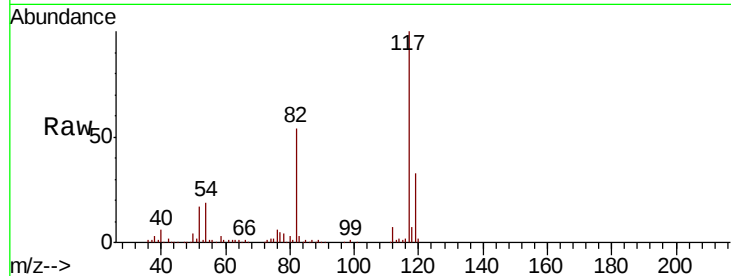
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	32.4	25.4	38.0

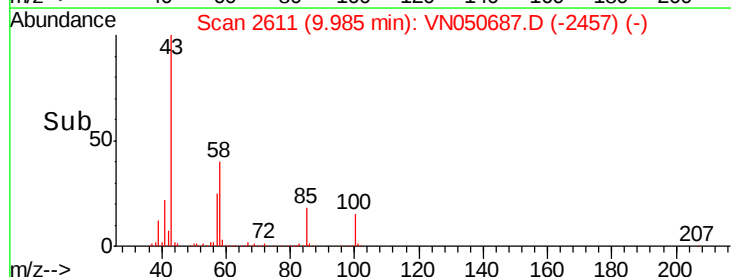
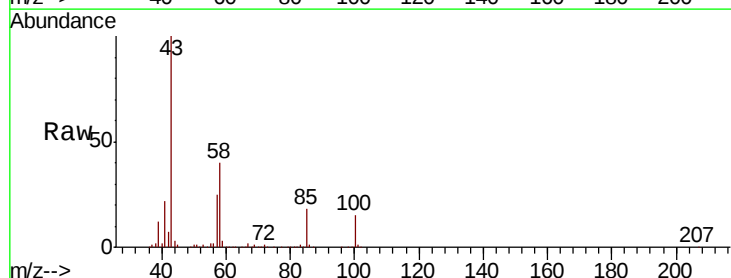
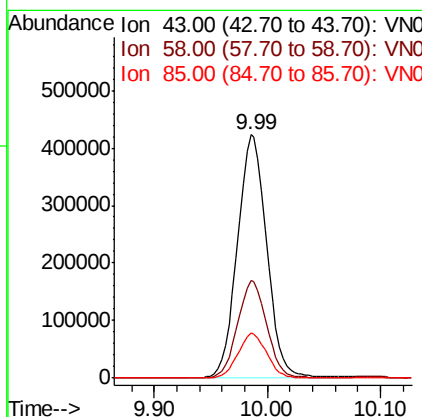
Manual Integrations
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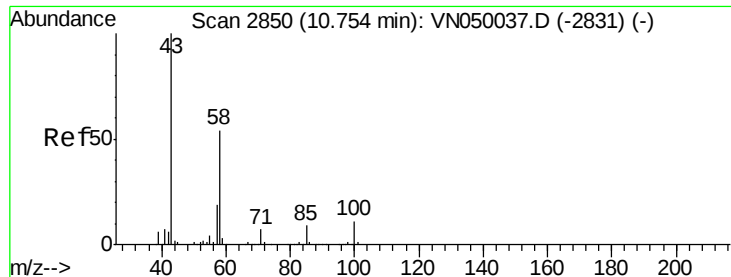
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 112.95 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.2	46.8
85	18.0	14.4	21.6





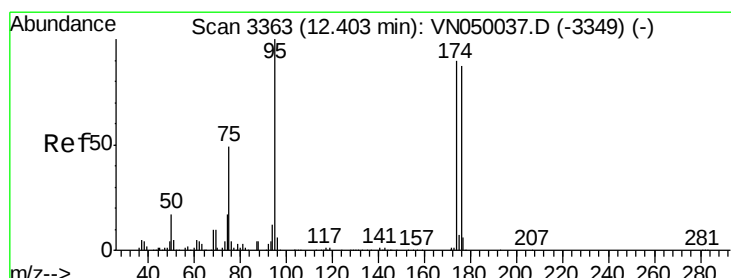
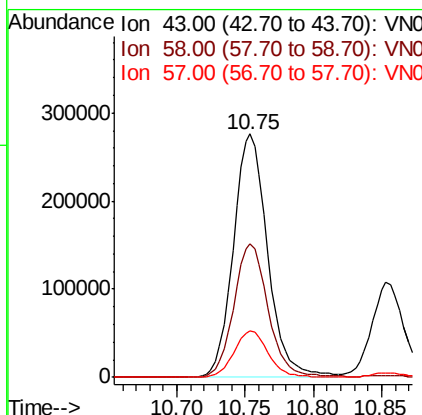
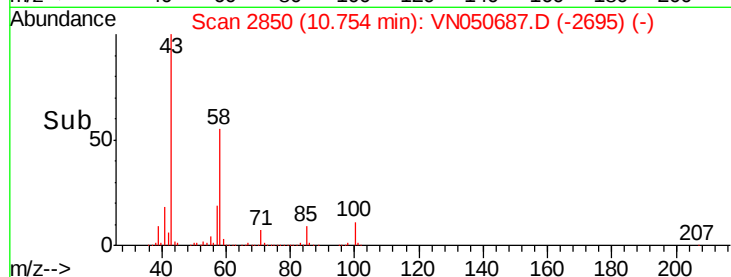
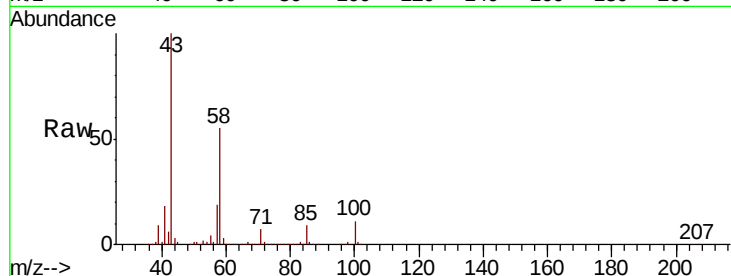
#59
2-Hexanone
Concen: 103.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.8
57	19.3	15.1	22.7

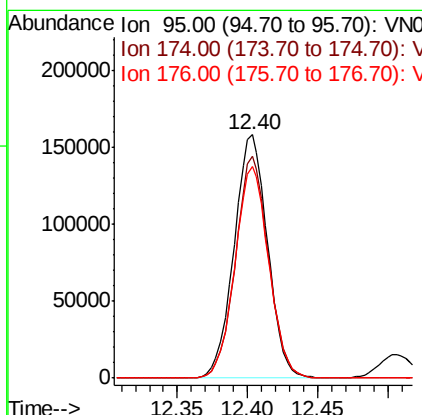
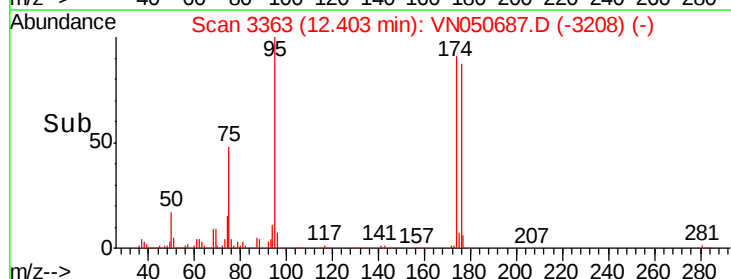
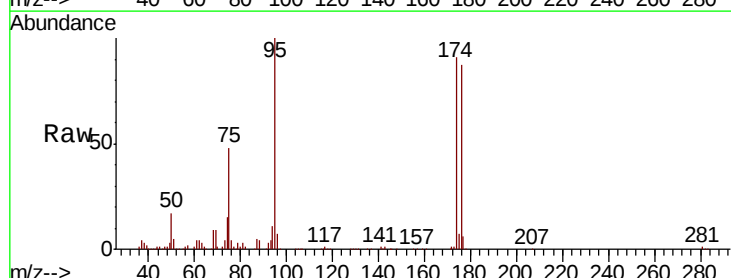
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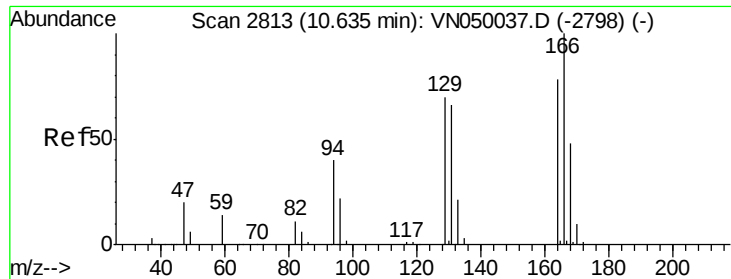
MMDadoda
8/16/2018 4:05:41 PM



#60
4-Bromofluorobenzene
Concen: 29.41 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	72.3	108.5
176	87.7	70.0	105.0





#61

Tetrachloroethene

Concen: 19.88 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 156573

Ion Ratio Lower Upper

164 100

166 129.0 100.0 150.0

129 90.5 69.3 103.9

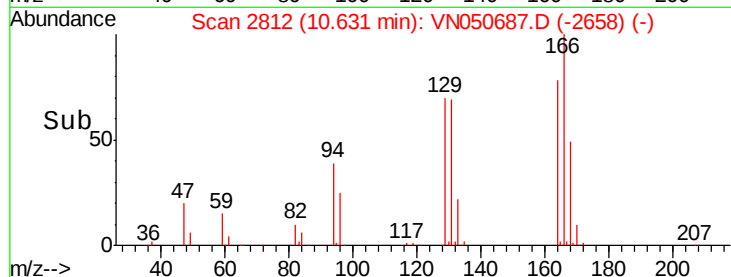
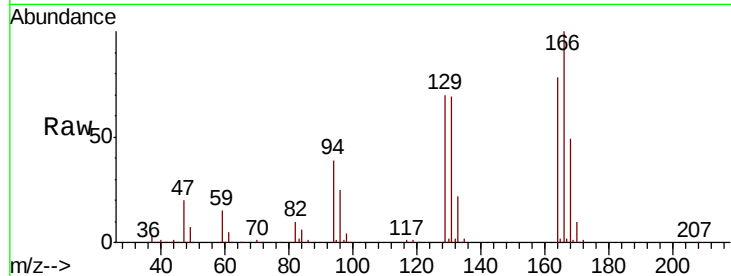
131 88.5 68.8 103.2

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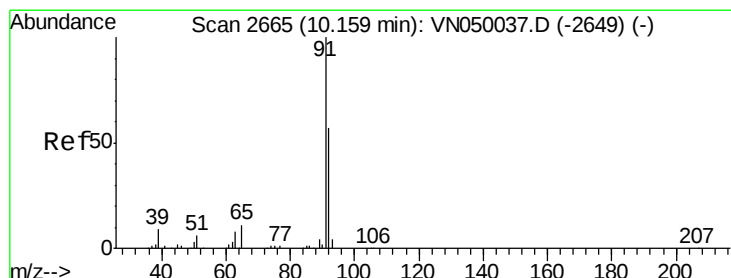
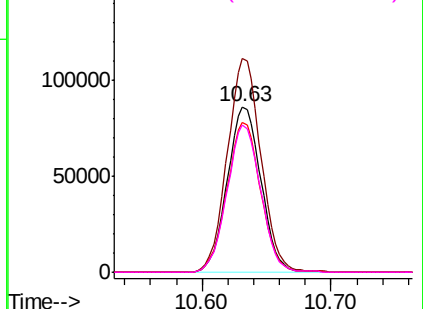


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.34 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050687.D

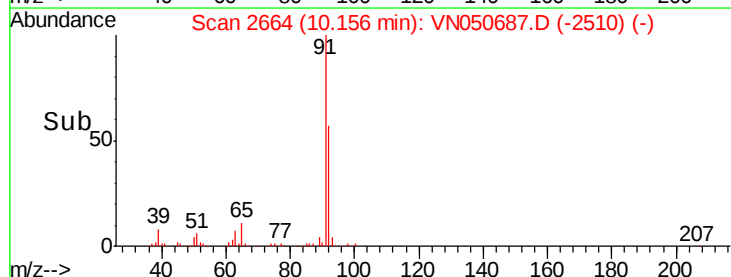
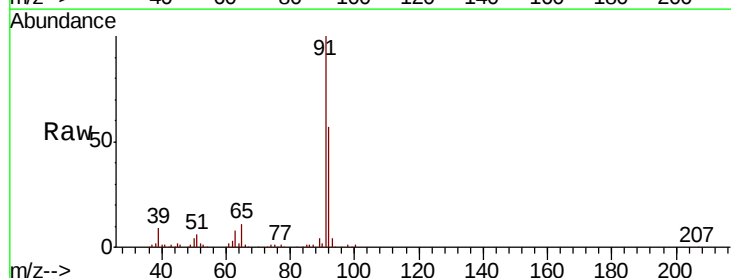
Acq: 16 Aug 2018 5:40

Tgt Ion: 91 Resp: 674829

Ion Ratio Lower Upper

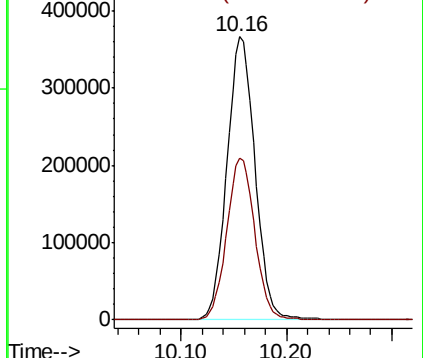
91 100

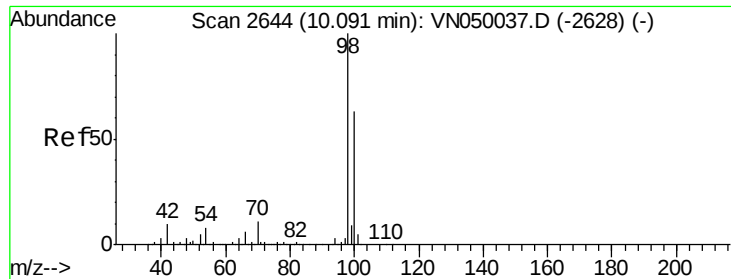
92 57.4 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.56 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 848737

Ion Ratio Lower Upper

98 100

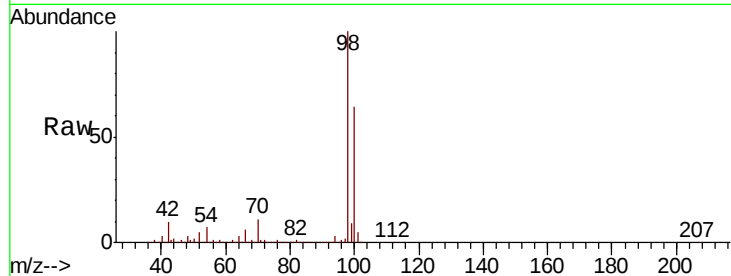
100 63.4 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

10.09

500000

400000

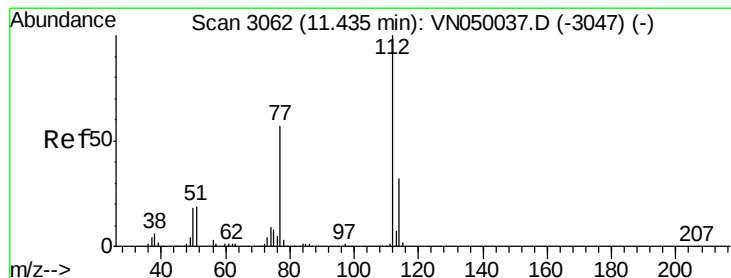
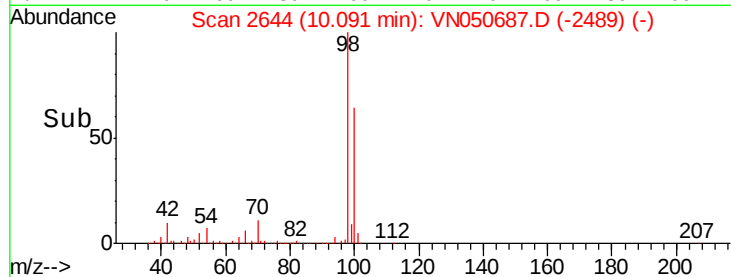
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050687.D

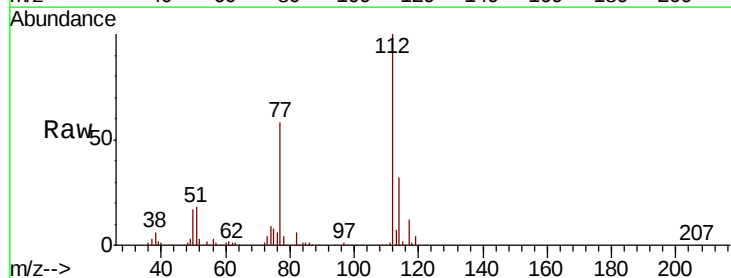
Acq: 16 Aug 2018 5:40

Tgt Ion: 112 Resp: 406317

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN050037.D (-3047) (-)

Ion 114.00 (113.70 to 114.70): VN050037.D (-3047) (-)

11.44

250000

200000

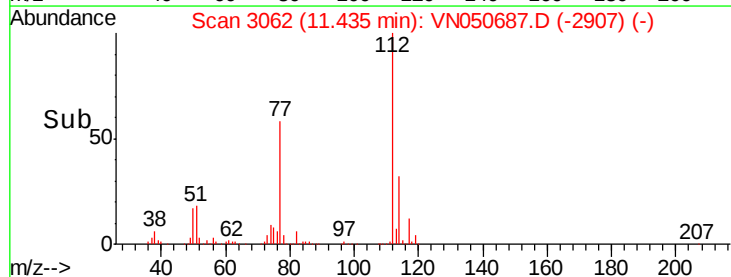
150000

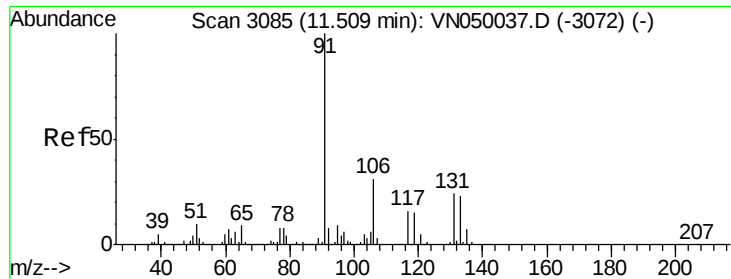
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.96 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

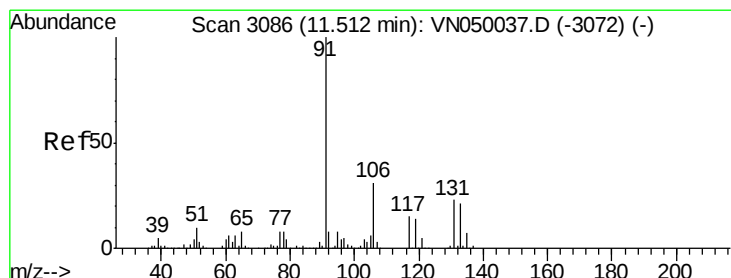
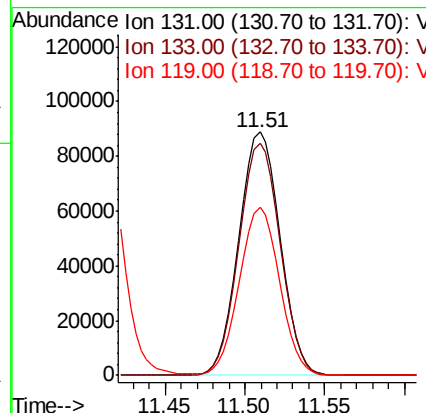
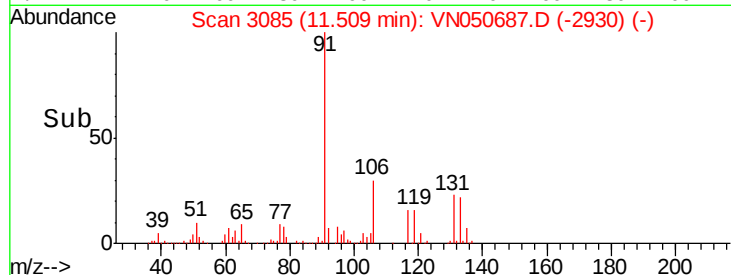
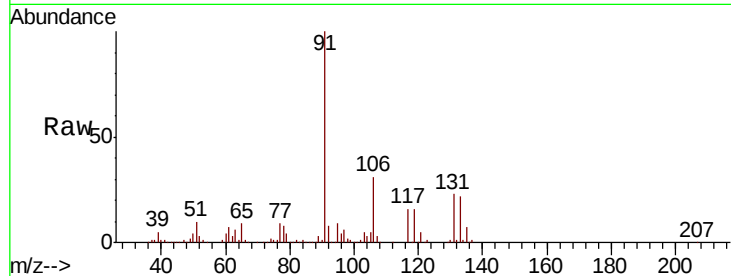
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	156590
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	190.0
119	67.4	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.79 ug/l

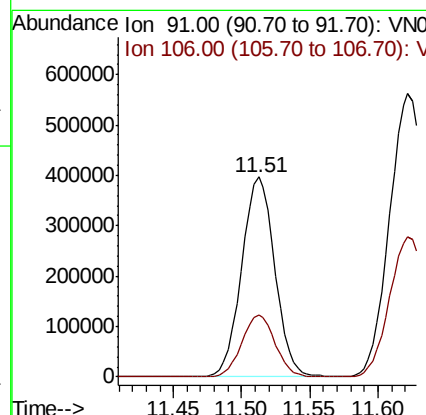
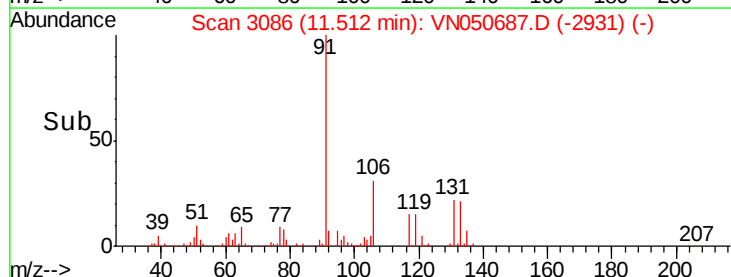
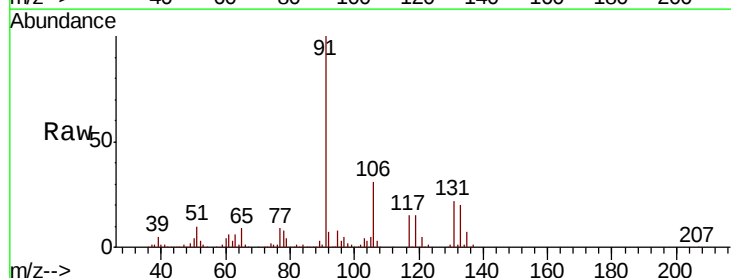
RT: 11.51 min Scan# 3086

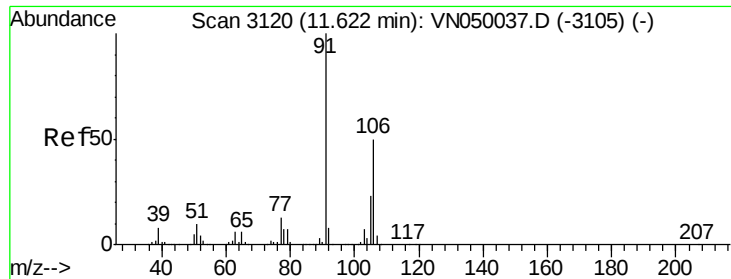
Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Tgt Ion:	91	Resp:	670783
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.1	37.7





#67

m/p-Xylenes

Concen: 40.62 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 529969

Ion Ratio Lower Upper

106 100

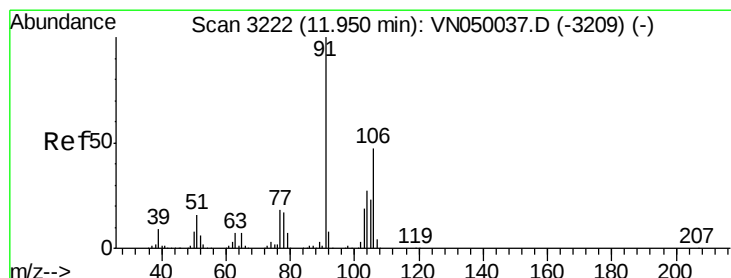
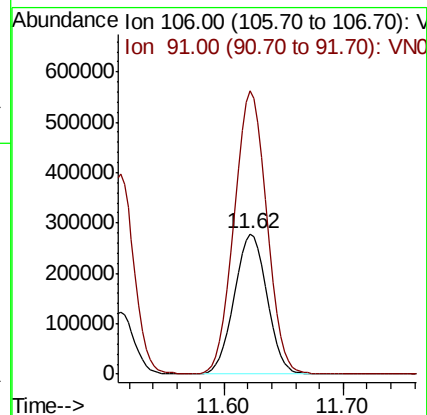
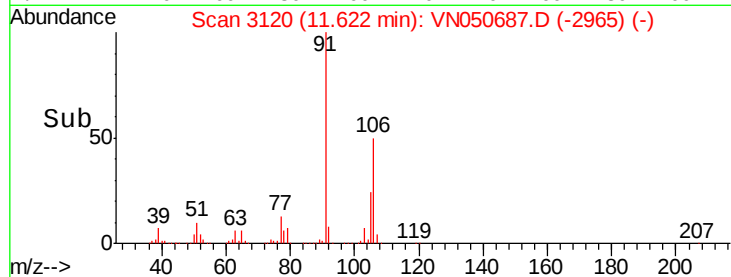
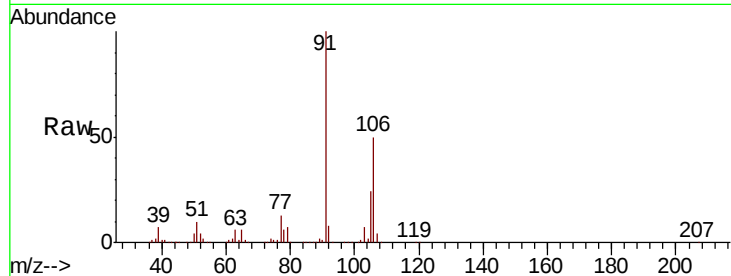
91 201.8 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 20.35 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050687.D

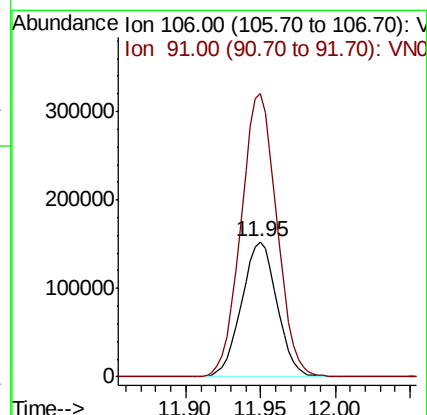
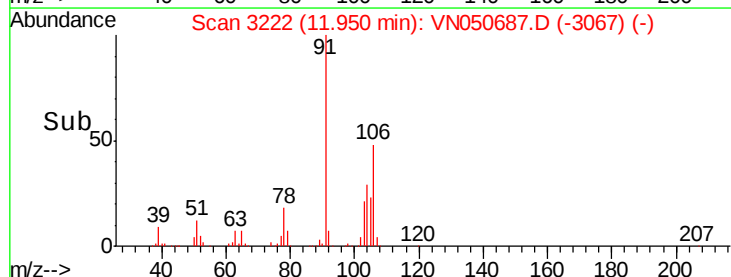
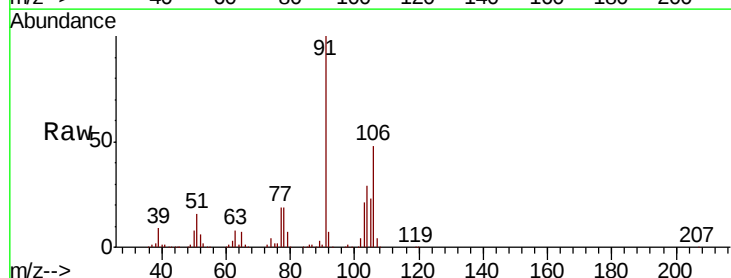
Acq: 16 Aug 2018 5:40

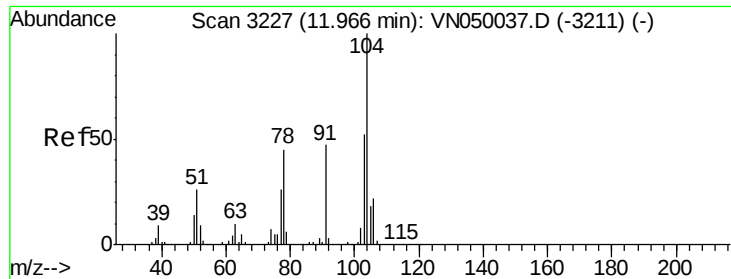
Tgt Ion:106 Resp: 252593

Ion Ratio Lower Upper

106 100

91 211.7 106.8 320.4





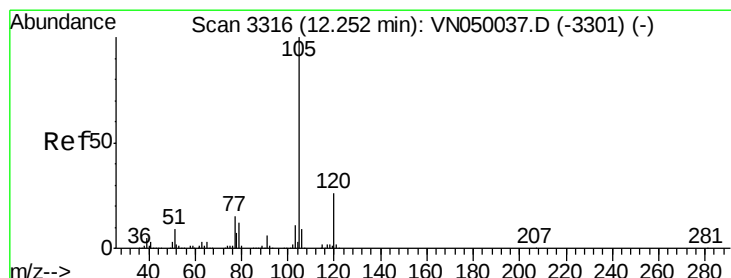
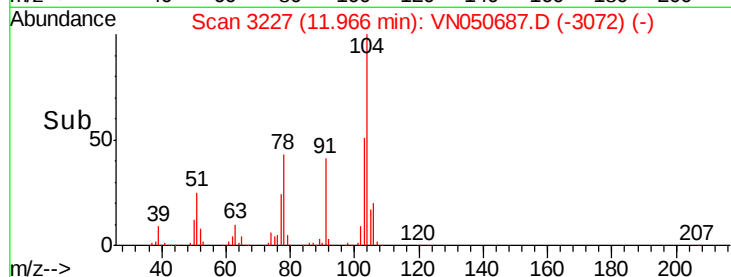
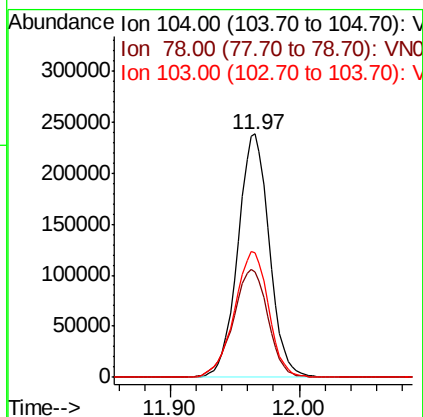
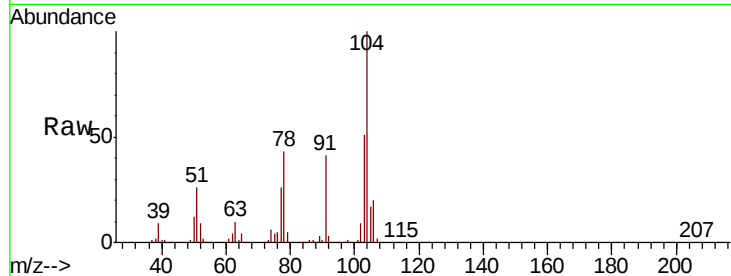
#69
Stvrene
Concen: 20.28 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	56.1	44.5	66.7

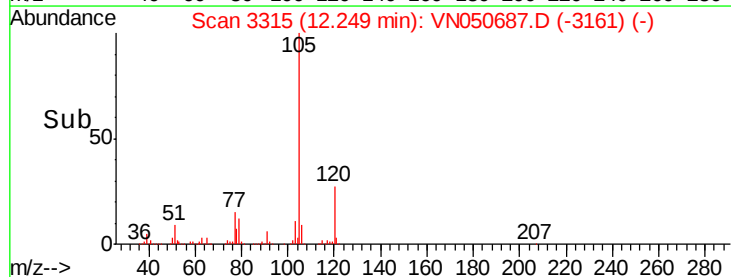
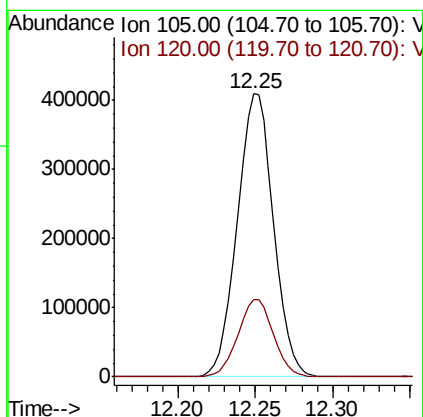
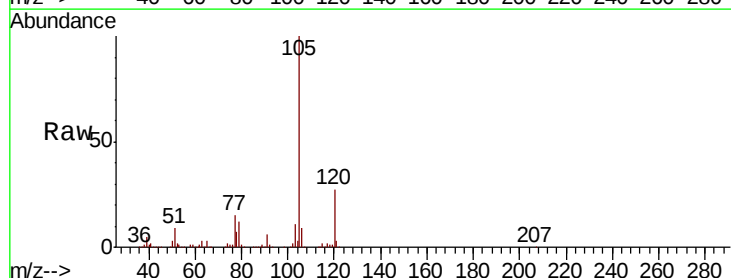
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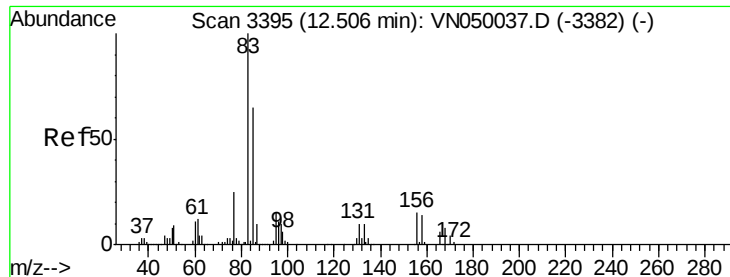
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#70
Isopropylbenzene
Concen: 20.13 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.9	35.1





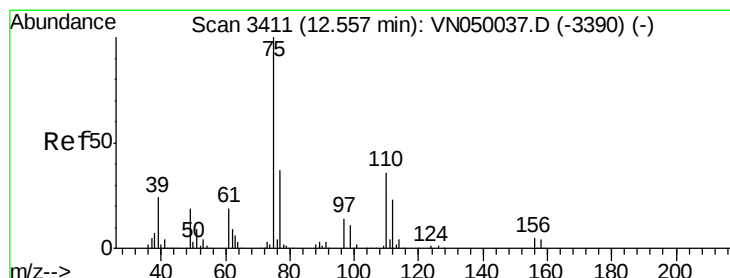
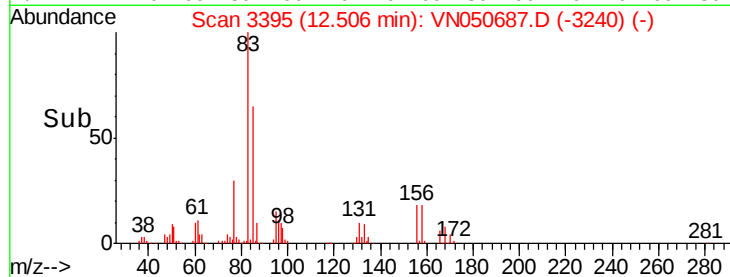
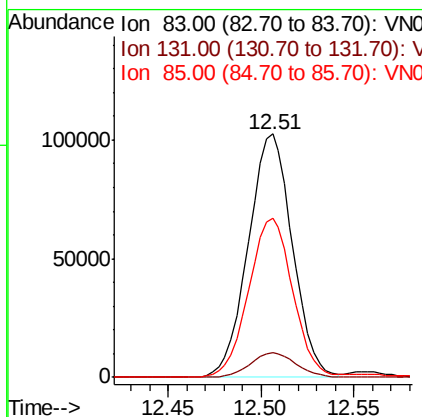
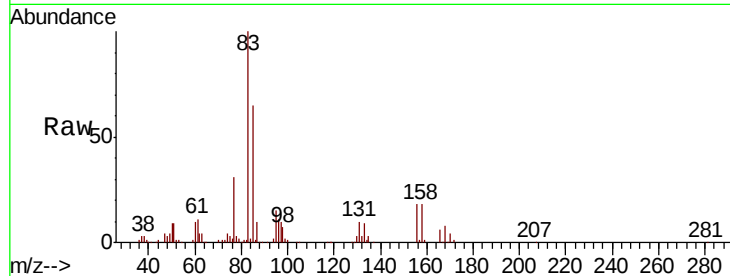
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.76 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.2	31.7	95.1

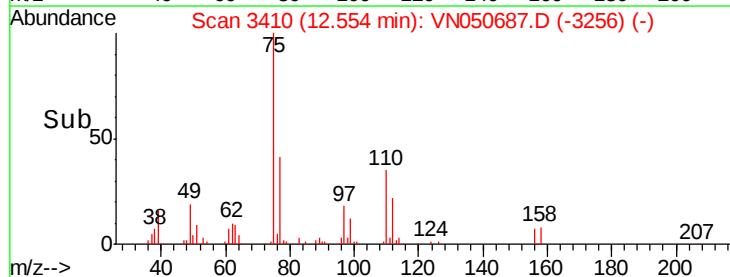
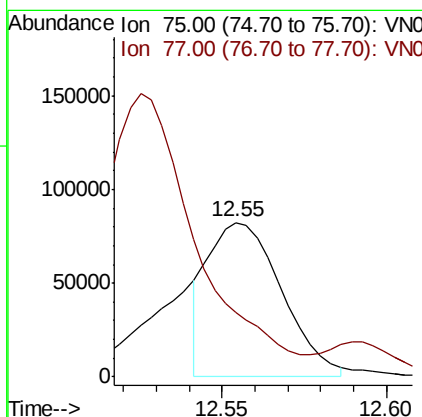
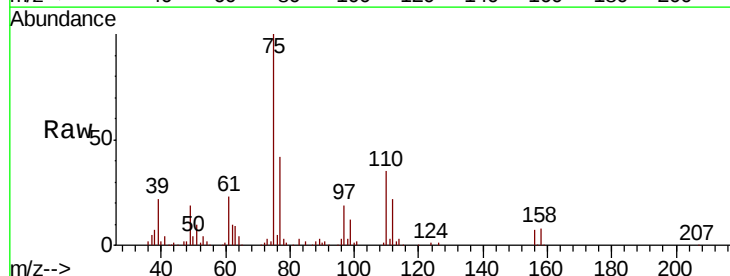
Manual Integrations
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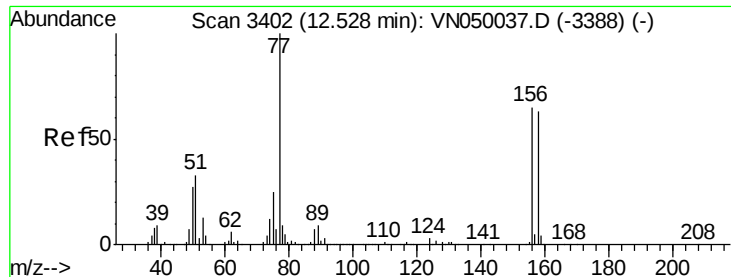
MMDadoda
 8/16/2018 4:05:41 PM



#72
 1,2,3-Trichloropropane
 Concen: 16.58 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	238.6	0.0	454.4





#73

Bromobenzene

Concen: 19.37 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

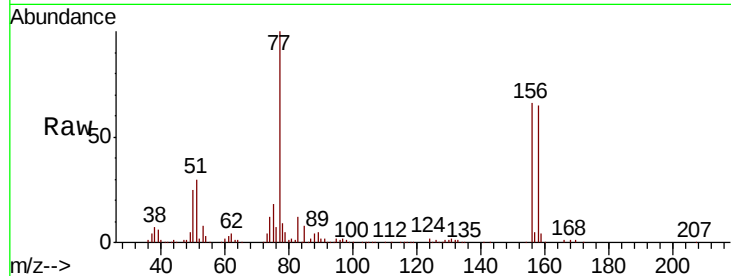
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	170625
Ion Ratio	Lower	Upper	
156	100		
77	179.8	0.0	359.8
158	97.4	0.0	192.8

Manual Integrations
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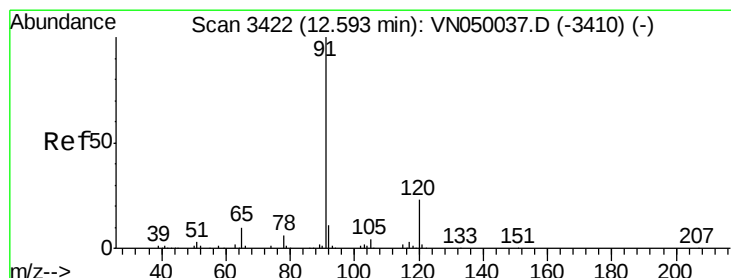
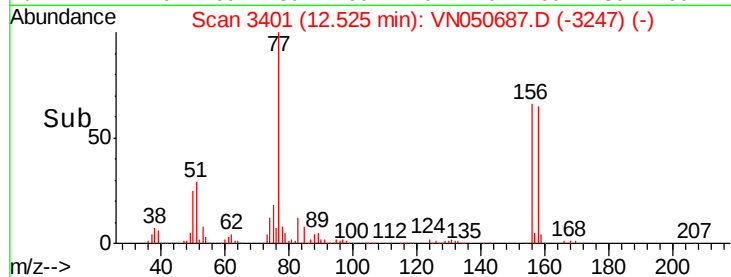
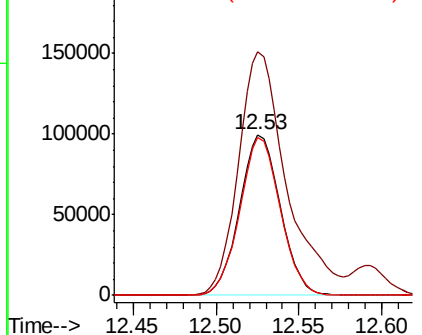
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.23 ug/l

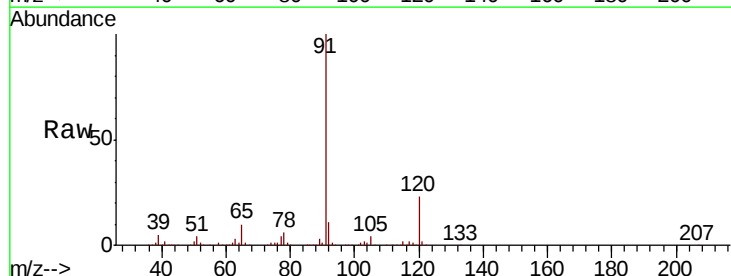
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050687.D

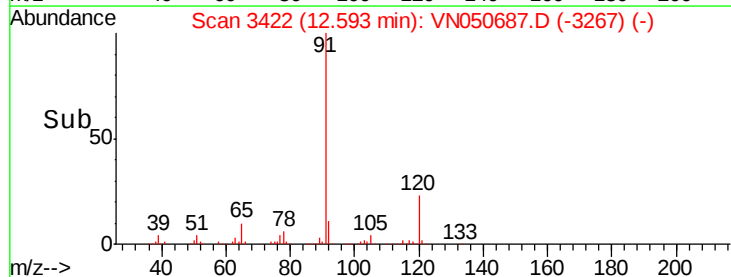
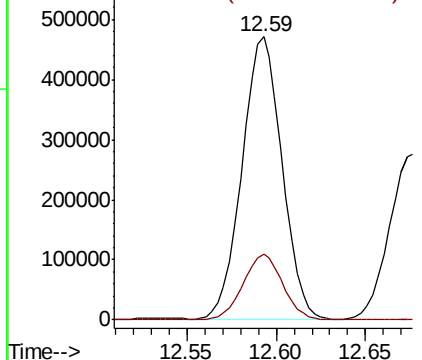
Acq: 16 Aug 2018 5:40

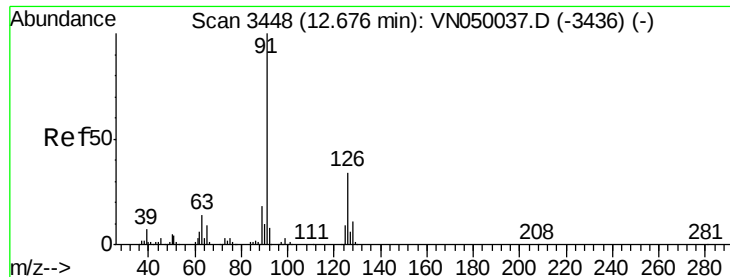
Tgt Ion:	91	Resp:	740629
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.79 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050687.D

Acq: 16 Aug 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 457567

Ion Ratio Lower Upper

91 100

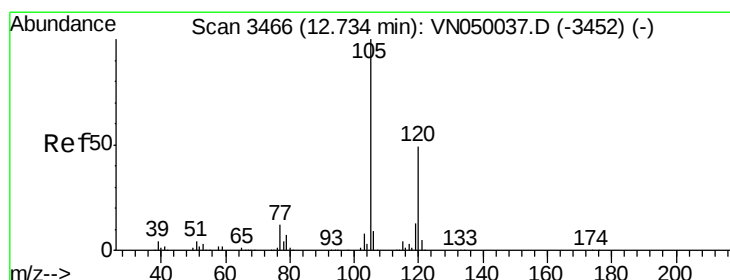
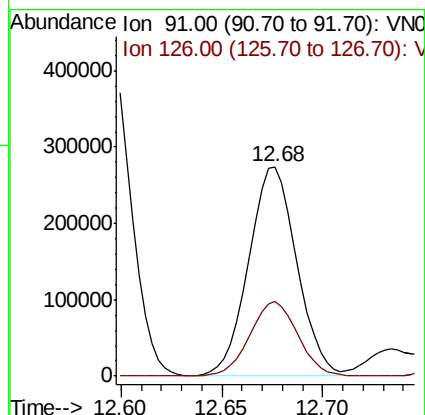
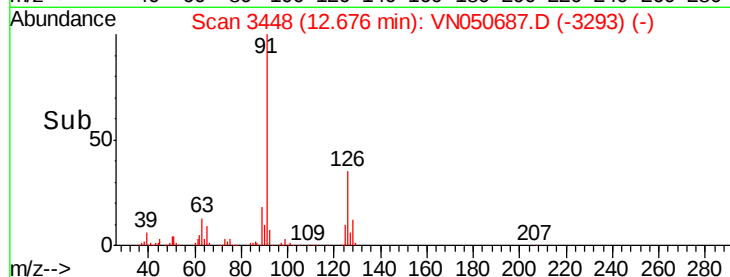
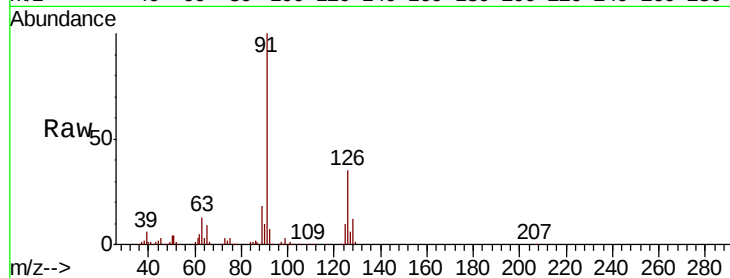
126 35.6 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050687.D

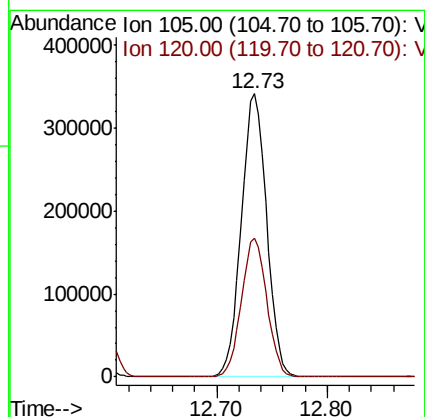
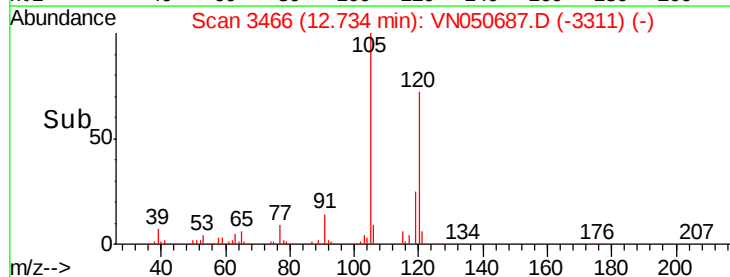
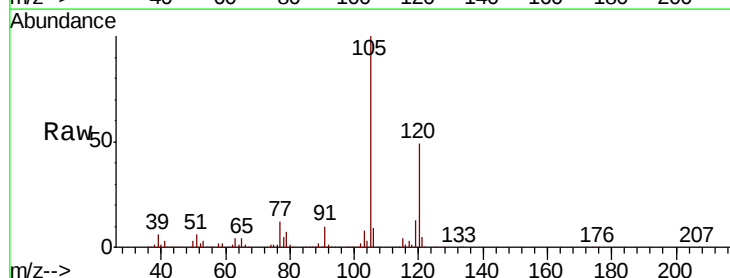
Acq: 16 Aug 2018 5:40

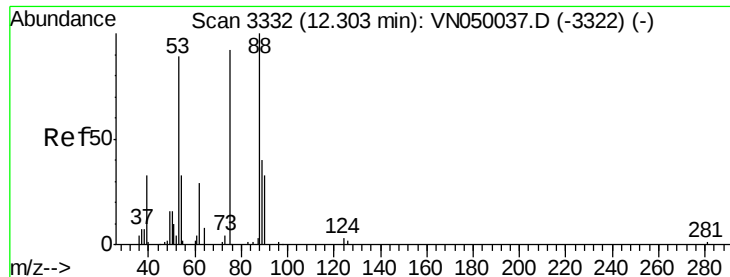
Tgt Ion: 105 Resp: 543734

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.0





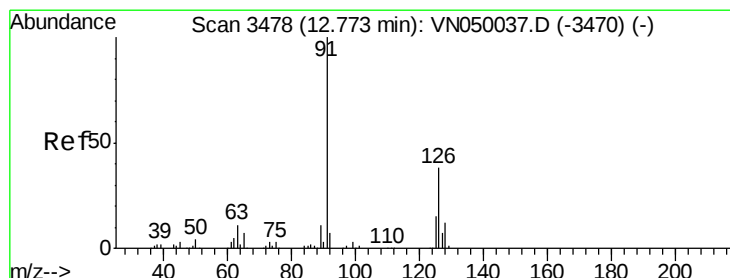
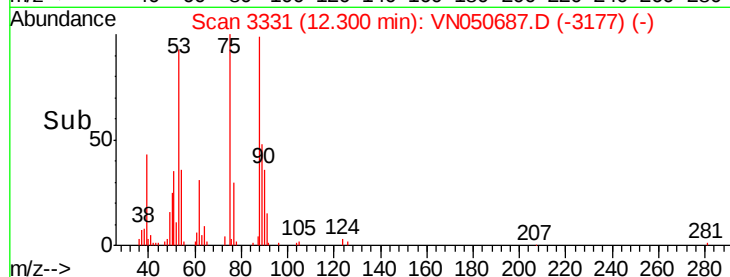
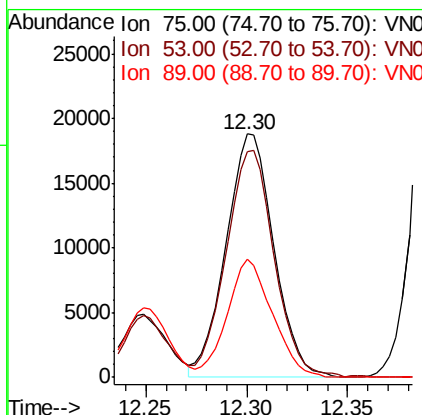
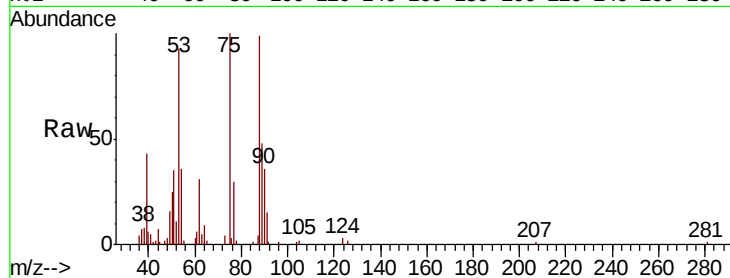
#77
t-1,4-Dichloro-2-butene
Concen: 12.32 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.5	44.6	134.0
89	48.5	20.7	62.1

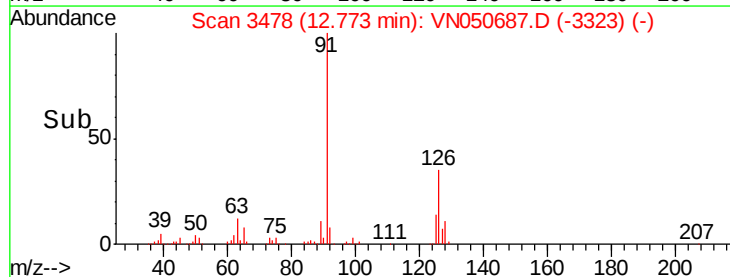
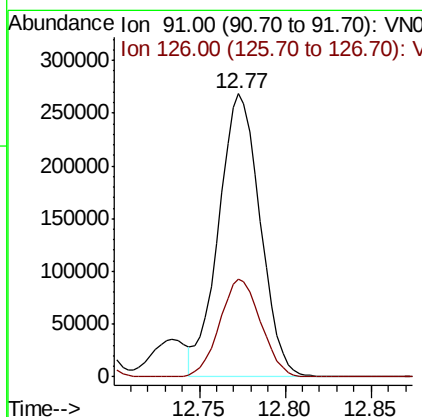
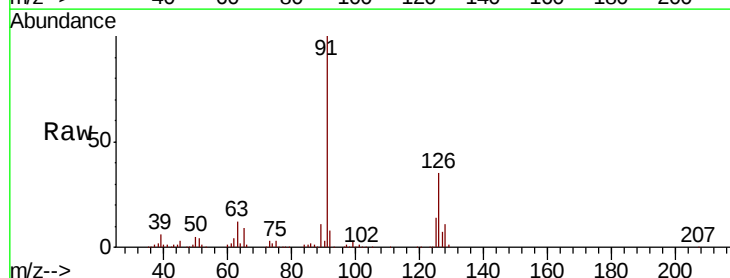
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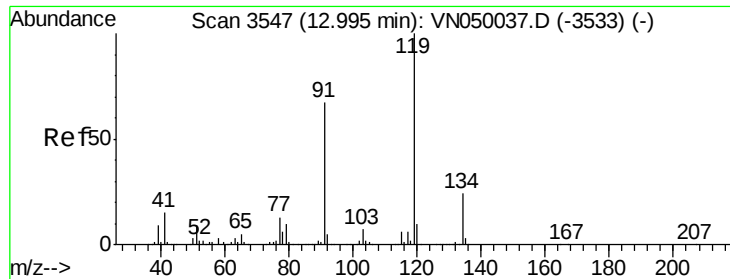
MMDadoda
8/16/2018 4:05:41 PM



#78
4-Chlorotoluene
Concen: 19.67 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4





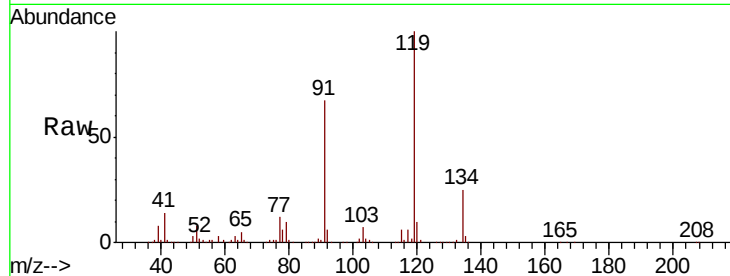
#79
tert-butylbenzene
Concen: 19.81 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

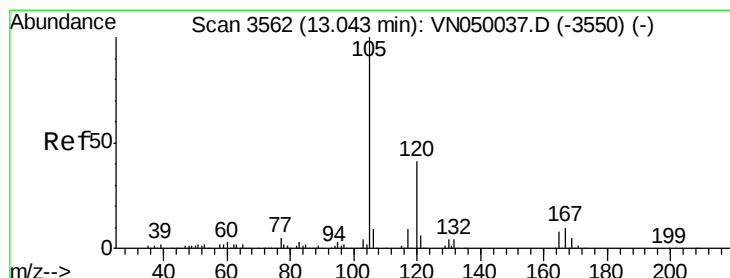
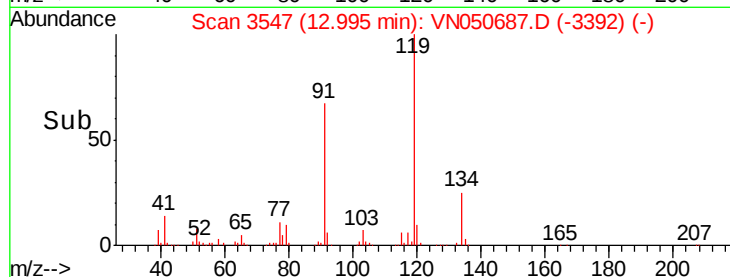
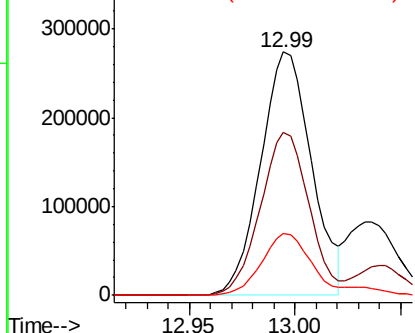
Tot Ion	Ratio	Resp	Lower	Upper
119	100	459898		
91	64.4	0.0	126.8	
134	24.6	0.0	47.4	

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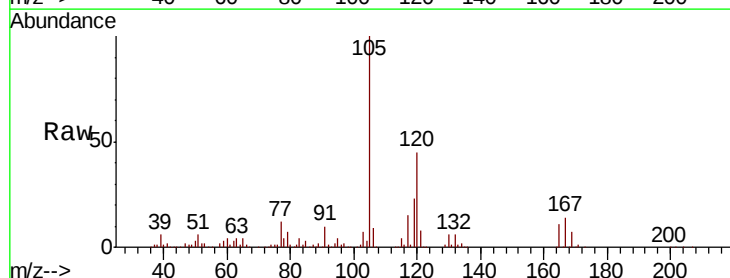


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

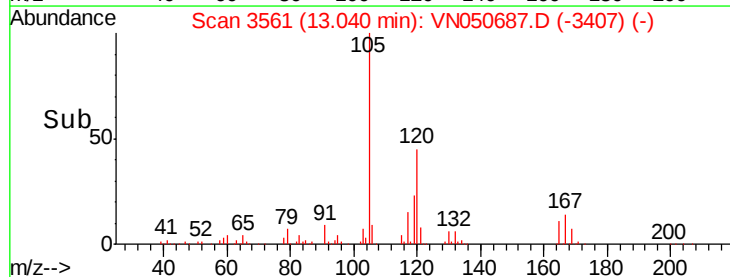
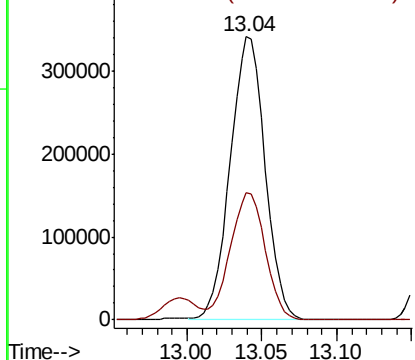


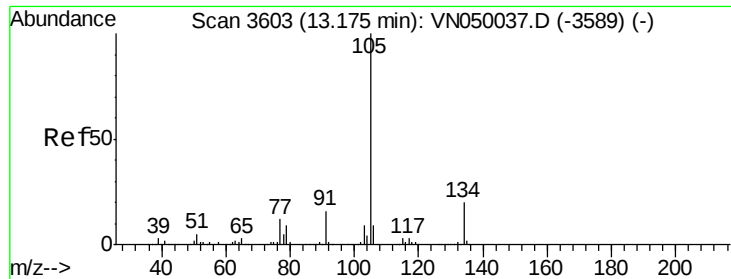
#80
1,2,4-Trimethylbenzene
Concen: 20.11 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	553210		
120	45.4	0.0	90.6	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





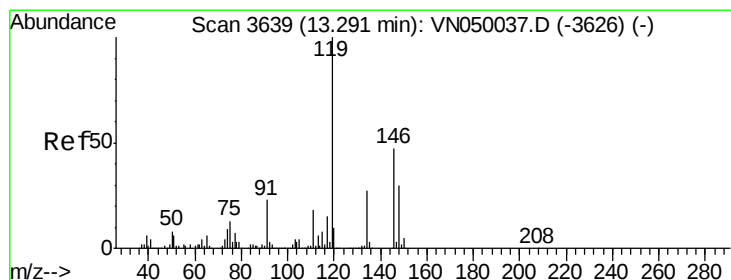
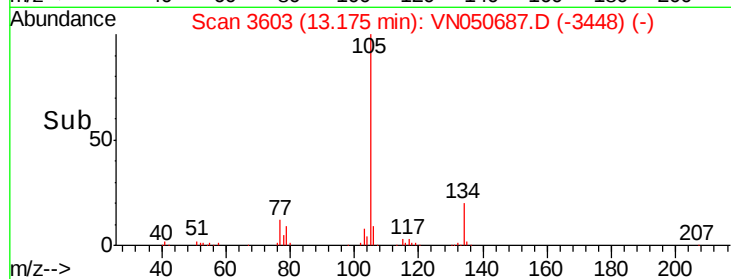
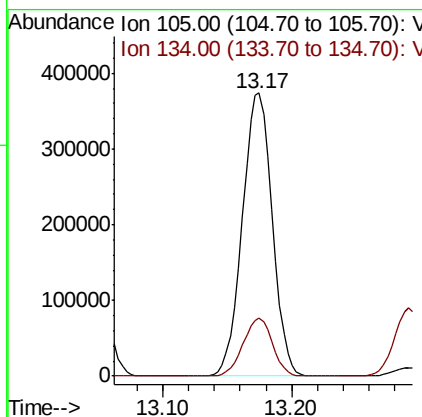
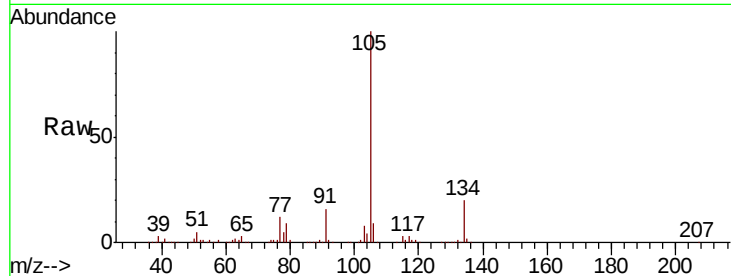
#81
 sec-Butylbenzene
 Concen: 19.16 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.6

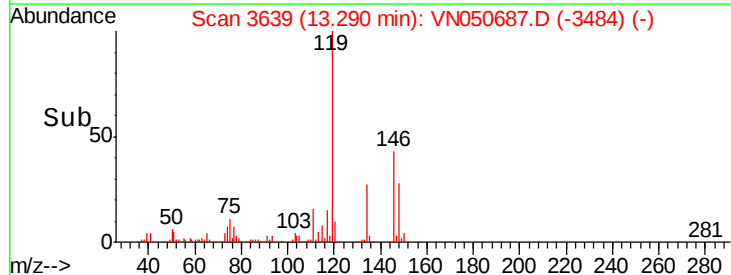
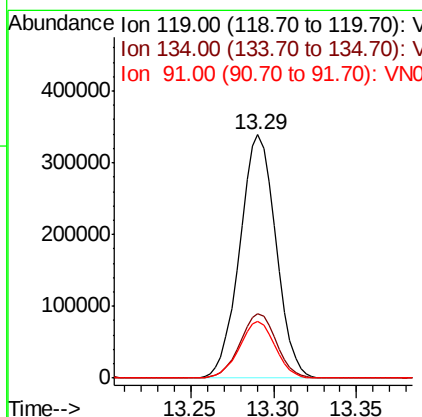
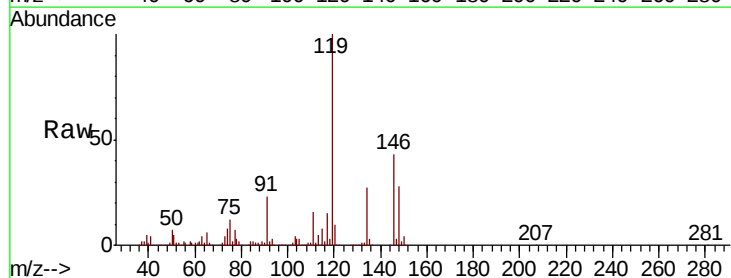
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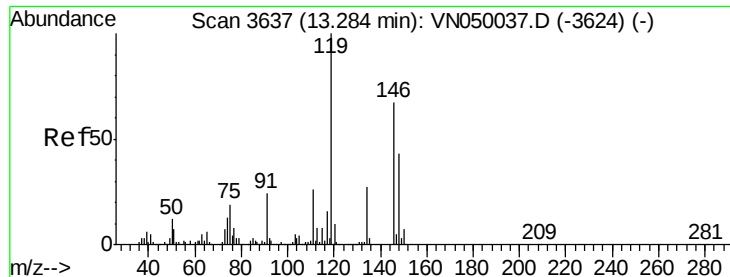
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#82
 p-Isopropyltoluene
 Concen: 19.07 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	23.2	0.0	45.6





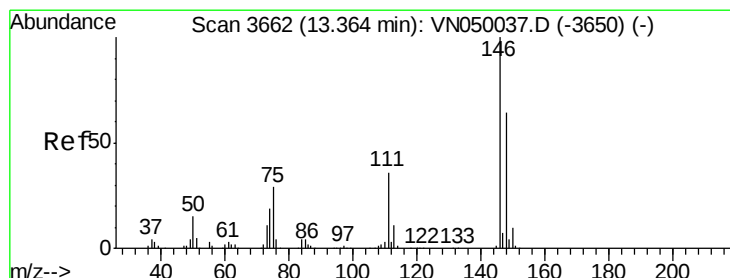
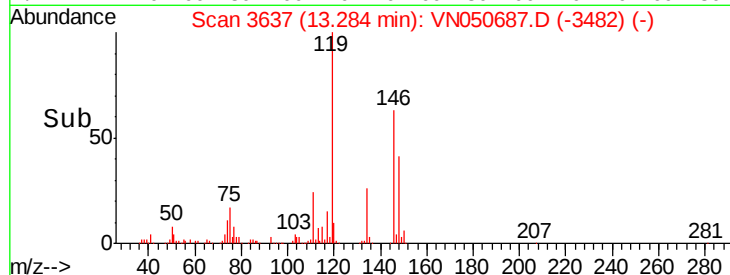
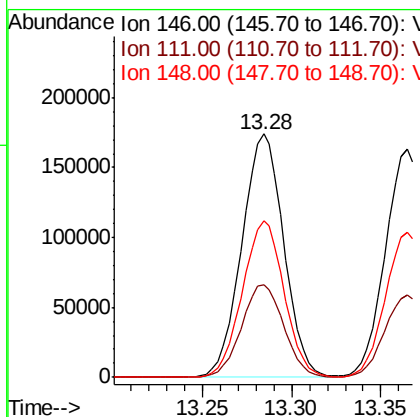
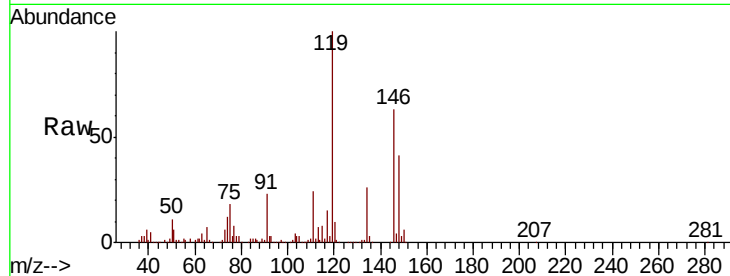
#83
 1,3-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286701		
111	38.2	19.1	57.1	
148	63.8	31.9	95.9	

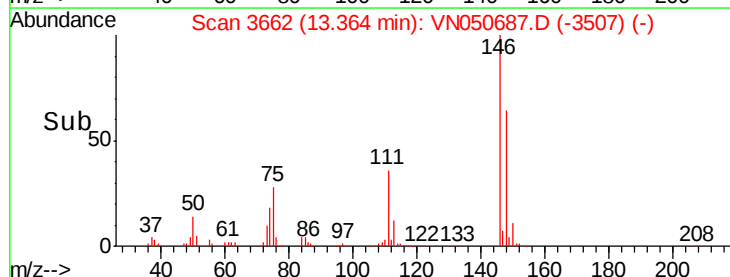
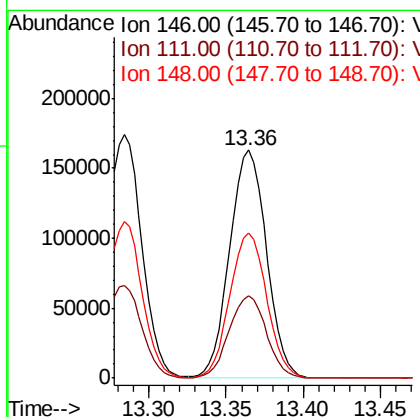
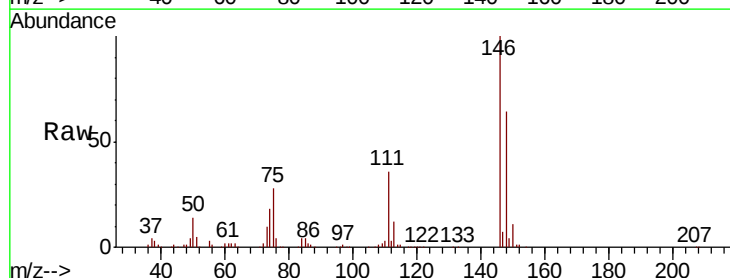
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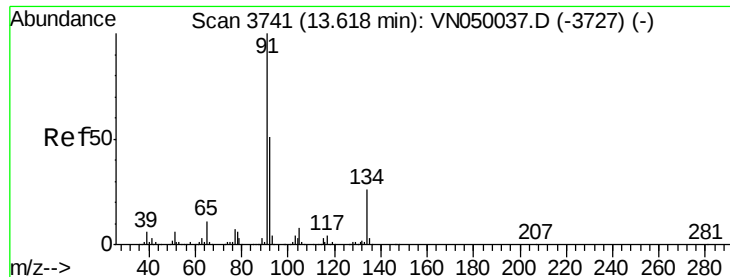
MMDadoda
 8/16/2018 4:05:41 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.62 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269788		
111	36.4	17.9	53.8	
148	63.5	32.4	97.0	





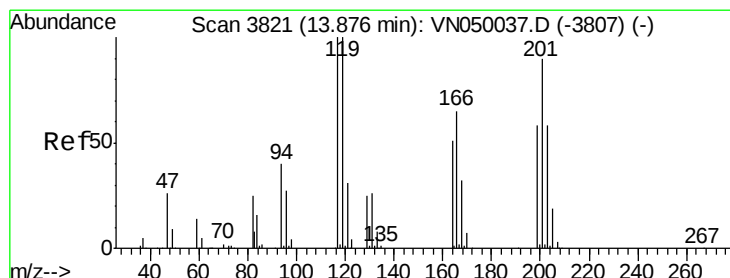
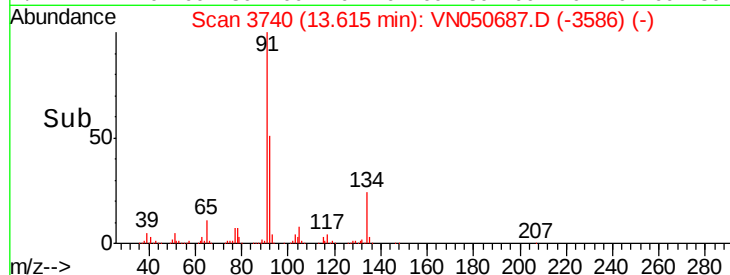
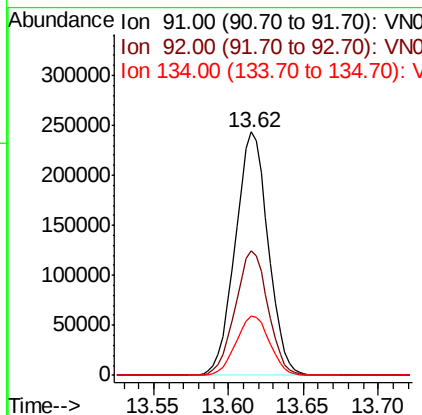
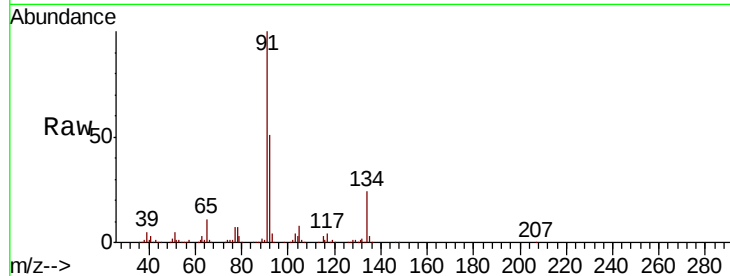
#85
n-Butylbenzene
Concen: 17.09 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	373107		
92	51.0	0.0	102.8	
134	24.9	0.0	51.0	

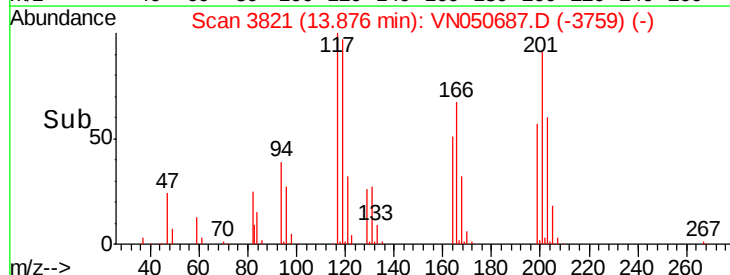
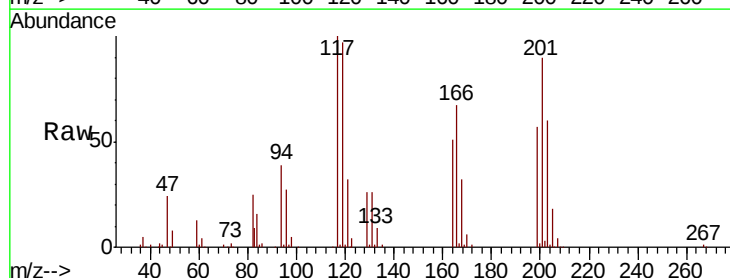
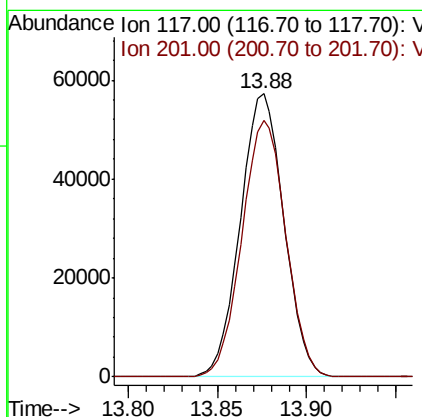
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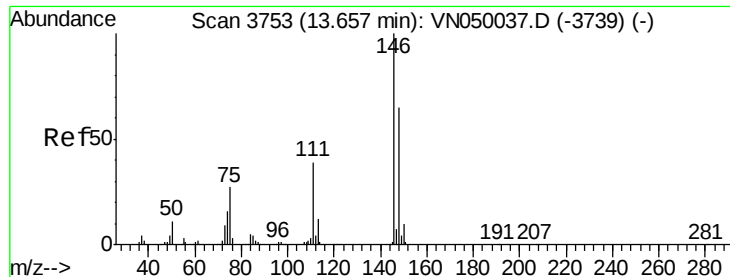
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#86
Hexachloroethane
Concen: 18.16 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97672		
201	90.9	46.6	139.7	





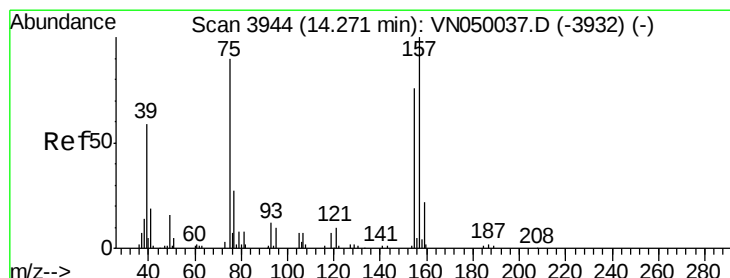
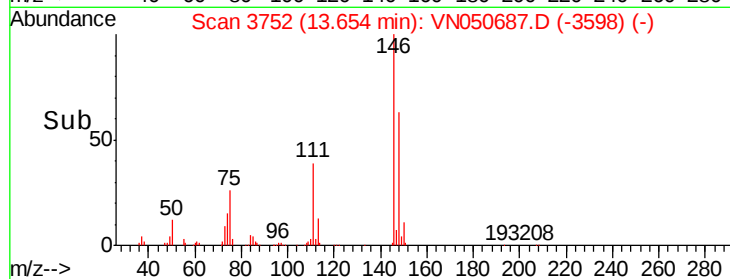
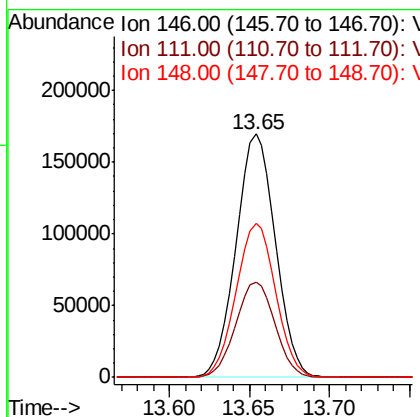
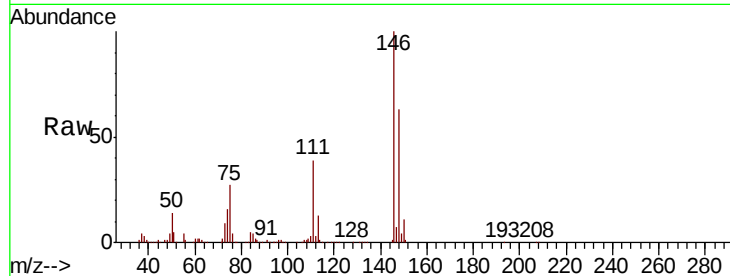
#87
 1,2-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283255		
111	39.0		19.8	59.3
148	63.8		31.8	95.3

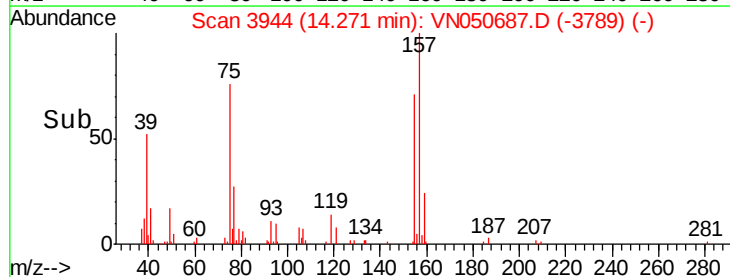
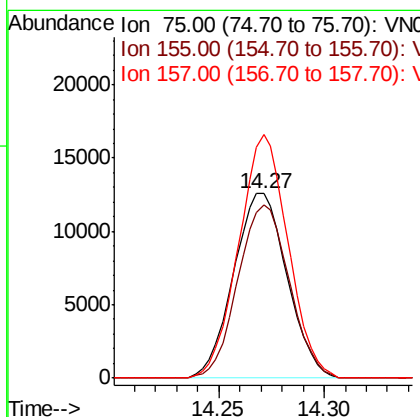
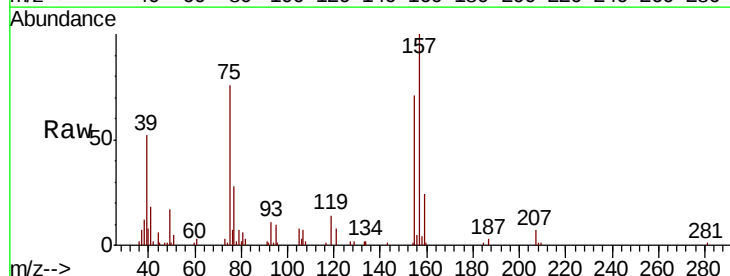
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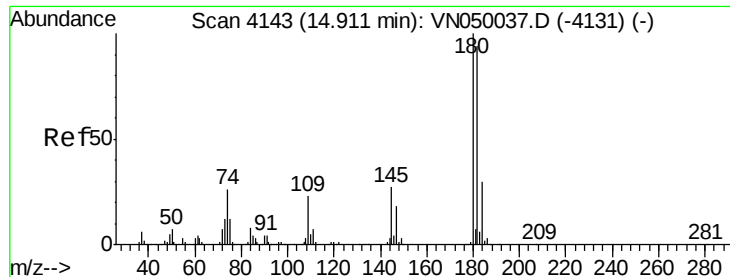
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 8/16/2018 4:05:41 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.69 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22184		
155	90.0		73.0	109.6
157	121.7		94.9	142.3





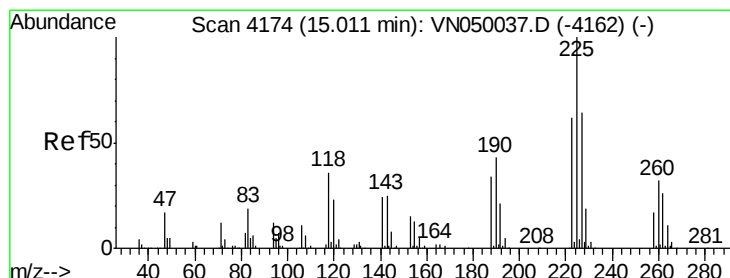
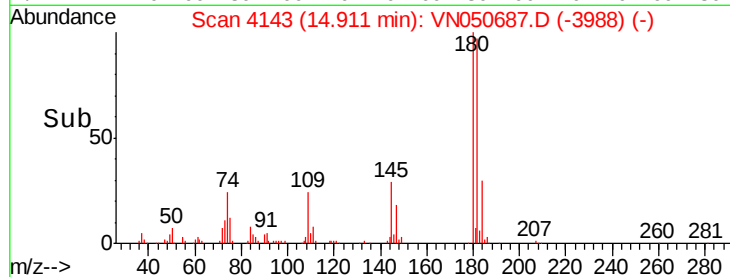
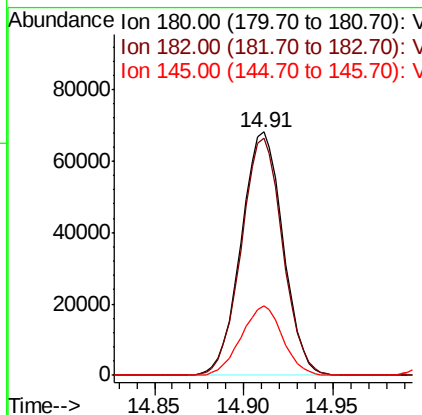
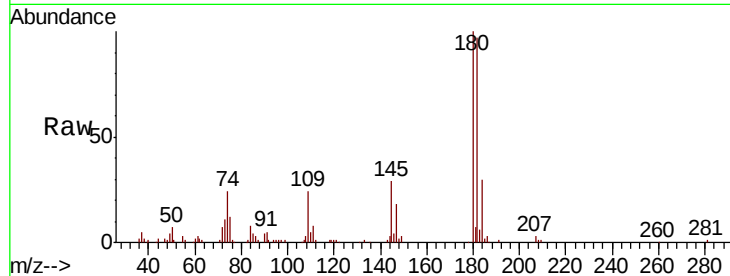
#89
 1,2,4-Trichlorobenzene
 Concen: 15.59 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111647		
182	96.5	76.7	115.1	
145	28.2	23.4	35.0	

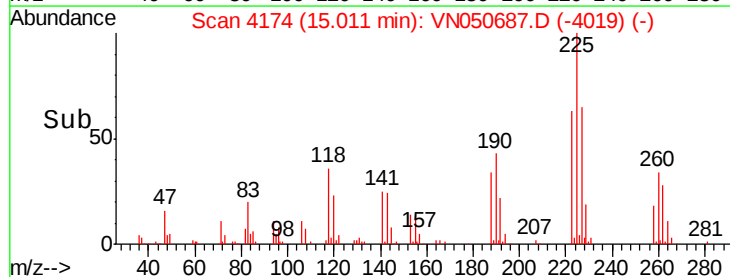
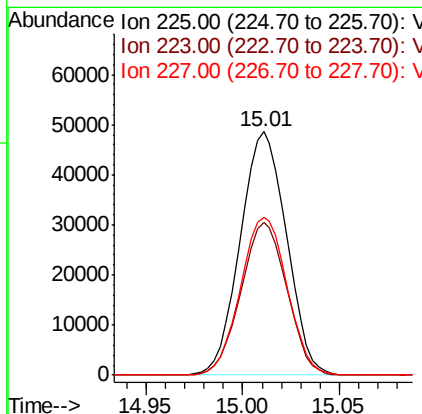
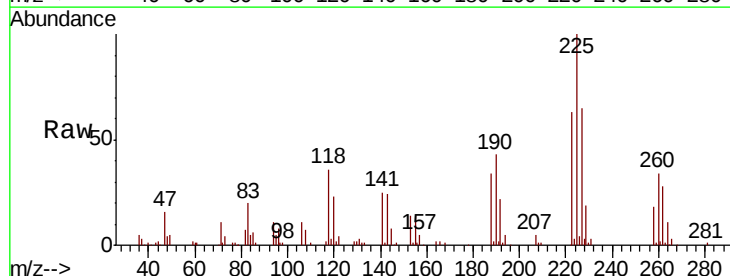
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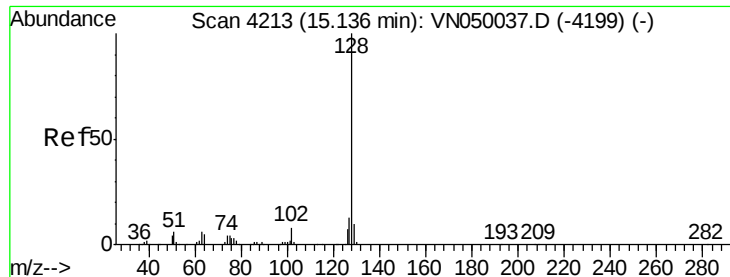
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 17.16 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050687.D
 Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80991		
223	62.1	0.0	124.4	
227	65.3	0.0	133.0	





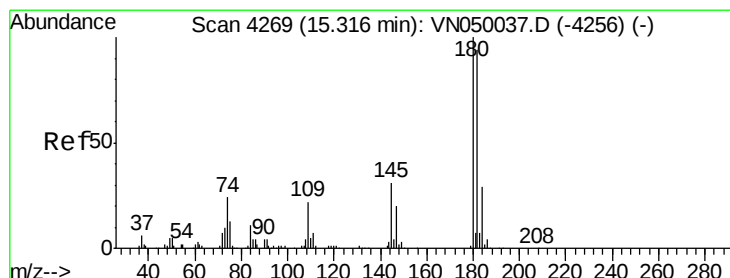
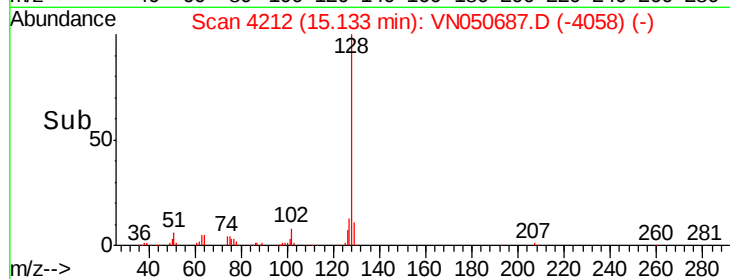
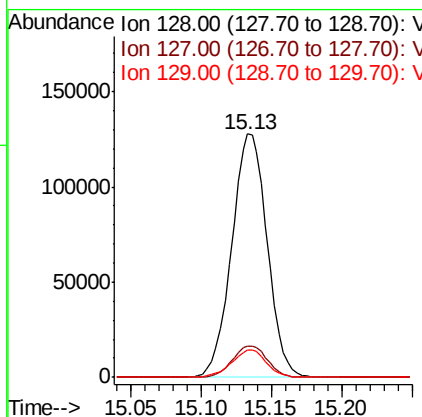
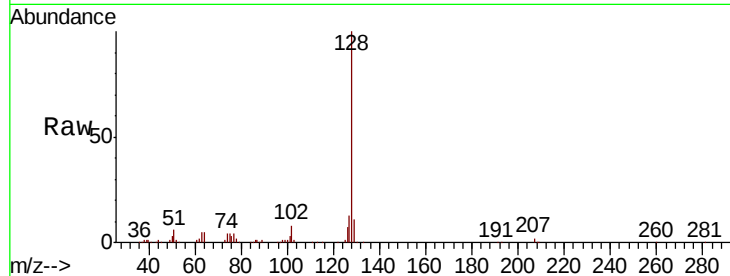
#91
Naphthalene
Concen: 17.65 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	224726		
127	12.9		10.2	15.4
129	11.0		9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/16/2018 4:05:41 PM



#92
1,2,3-Trichlorobenzene
Concen: 15.98 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050687.D
Acq: 16 Aug 2018 5:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116341		
182	95.0		0.0	188.8
145	28.9		0.0	60.8

