

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051309.D
 Acq On : 19 Sep 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:06 PM

Quant Time: Sep 19 15:39:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	102689	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	551770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	477043	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	183193	27.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.20%
60) 4-Bromofluorobenzene	12.40	95	206496	29.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.03%
63) Toluene-d8	10.09	98	681488	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	114509	17.96	ug/l	100
3) Chloromethane	2.06	50	148731	19.75	ug/l	99
4) Vinyl Chloride	2.18	62	148946	20.02	ug/l	99
5) Bromomethane	2.57	94	85354	18.82	ug/l	100
6) Chloroethane	2.71	64	89111	20.30	ug/l	95
7) Trichlorofluoromethane	3.02	101	208244	21.11	ug/l	97
8) Diethyl Ether	3.41	74	64610	18.58	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130994	21.45	ug/l	96
10) 1,1-Dichloroethene	3.74	96	112310	20.24	ug/l	98
11) Methyl Iodide	3.95	142	112103	21.65	ug/l	99
12) Methyl Acetate	4.33	43	87640	13.66	ug/l	97
13) Acrolein	3.61	56	31216	219.71	ug/l	96
14) Acrylonitrile	4.99	53	177302	81.73	ug/l	97
15) Acetone	3.82	58	54029	97.33	ug/l	94
16) Carbon Disulfide	4.05	76	343537	20.59	ug/l	99
17) Allyl chloride	4.32	41	164351	18.82	ug/l	95
18) Methylene Chloride	4.55	84	134199	20.61	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	123256	20.85	ug/l	99
20) Diisopropyl ether	5.95	45	355531	19.62	ug/l	98
21) 1,1-Dichloroethane	5.85	63	225805	20.32	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	137497	20.59	ug/l	99
23) tert-Butyl Alcohol	4.79	59	32419	70.27	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	280797	18.50	ug/l	100
25) Chloroform	7.37	83	231901	20.91	ug/l	99
26) Cyclohexane	7.65	56	184795	20.07	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	173781	21.04	ug/l	99
30) 2-Butanone	6.84	43	196478	77.32	ug/l	# 96
31) 2,2-Dichloropropane	6.82	77	185142	23.03	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	198671	21.21	ug/l	98
33) Carbon Tetrachloride	7.77	117	181865	21.56	ug/l	95
34) Benzene	8.04	78	521701	20.42	ug/l	96
35) Methacrylonitrile	7.18	41	43697	15.70	ug/l	95
36) 1,2-Dichloroethane	8.13	62	153927	19.92	ug/l	99
37) Trichloroethene	8.83	130	144219	21.59	ug/l	97
38) Methylcyclohexane	9.08	83	188743	21.27	ug/l	98
39) 1,2-Dichloropropane	9.12	63	136398	20.44	ug/l	98
40) Dibromomethane	9.21	93	80606	20.05	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	174414	20.58	ug/l	99
42) Vinyl Acetate	5.90	43	1070921	91.49	ug/l	98
43) Ethyl Acetate	6.93	43	79216	15.22	ug/l #	84
44) Isopropyl Acetate	8.16	43	162718	17.71	ug/l	100
45) 1,4-Dioxane	9.20	88	21605	316.61	ug/l	96
46) Methyl methacrylate	9.20	41	70635	15.35	ug/l	97
47) n-amyl Acetate	12.07	43	105870	14.34	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	161668	19.46	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	193857	20.31	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	115687	19.80	ug/l	97
51) Ethyl methacrylate	10.43	69	124298	17.39	ug/l	97
52) 1,3-Dichloropropane	10.71	76	185223	19.14	ug/l	98
53) Dibromochloromethane	10.90	129	135492	20.40	ug/l	99
54) 1,2-Dibromoethane	11.01	107	109087	18.89	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	231831	77.96	ug/l	99
56) Bromoform	12.13	173	90525	19.16	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	415643	76.15	ug/l	98
59) 2-Hexanone	10.75	43	262838	73.67	ug/l	98
61) Tetrachloroethene	10.63	164	135507	22.80	ug/l	98
62) Toluene	10.16	91	574958	21.60	ug/l	99
64) Chlorobenzene	11.43	112	356981	21.64	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	139263	22.36	ug/l	99
66) Ethyl Benzene	11.51	91	579074	21.01	ug/l	100
67) m/p-Xylenes	11.62	106	467726	44.10	ug/l	98
68) o-Xylene	11.95	106	220339	21.74	ug/l	98
69) Styrene	11.96	104	343942	21.34	ug/l	99
70) Isopropylbenzene	12.25	105	583480	21.67	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	131219	18.00	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	96645m	15.36	ug/l	
73) Bromobenzene	12.53	156	148809	21.00	ug/l	93
74) n-propylbenzene	12.59	91	639727	21.01	ug/l	98
75) 2-Chlorotoluene	12.67	91	394885	21.35	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	487028	22.13	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29266	16.33	ug/l	96
78) 4-Chlorotoluene	12.77	91	376226	20.66	ug/l	98
79) tert-butylbenzene	12.99	119	415770	21.75	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	478856	21.82	ug/l	99
81) sec-Butylbenzene	13.17	105	539926	21.59	ug/l	99
82) p-Isopropyltoluene	13.29	119	467345	21.65	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	244543	20.41	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	230470	20.30	ug/l	100
85) n-Butylbenzene	13.62	91	321024	19.49	ug/l	99
86) Hexachloroethane	13.87	117	91053	21.98	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	239422	20.30	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16705	16.38	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	79389	15.12	ug/l	99
90) Hexachlorobutadiene	15.01	225	88277	24.75	ug/l	98
91) Naphthalene	15.13	128	127357	16.34	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	85450	16.22	ug/l	98

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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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

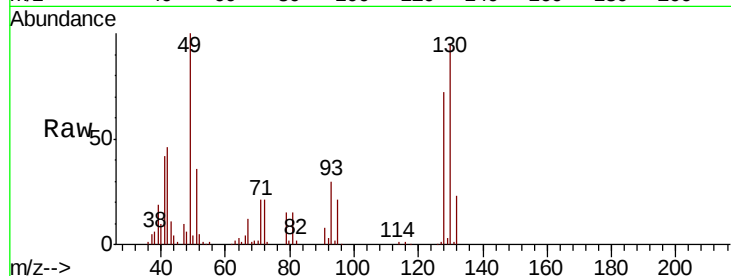
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	137.3	0.0	380.3
130	128.7	0.0	325.3

Manual Integrations
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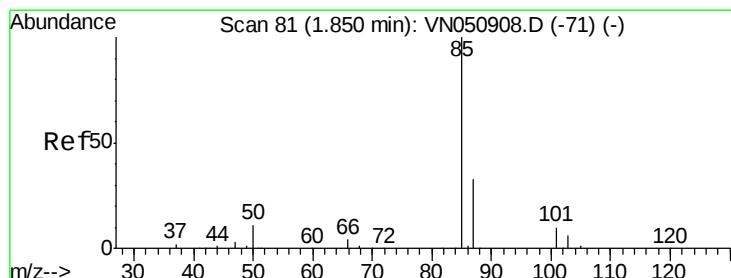
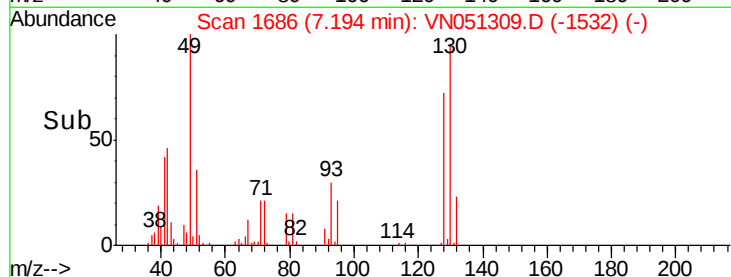
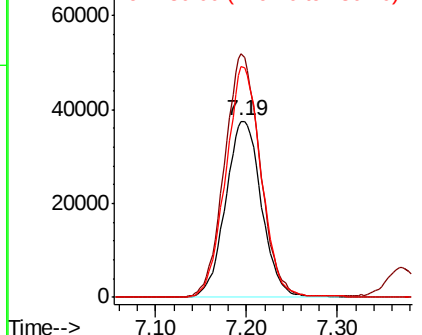
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.96 ug/l

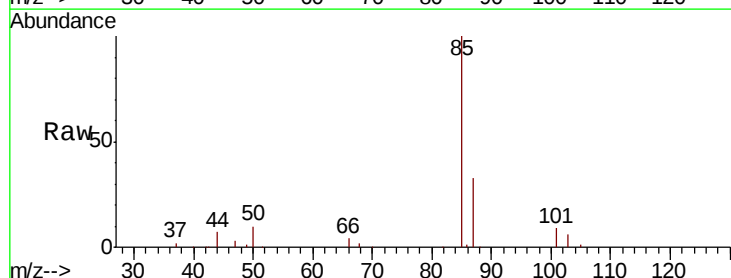
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051309.D

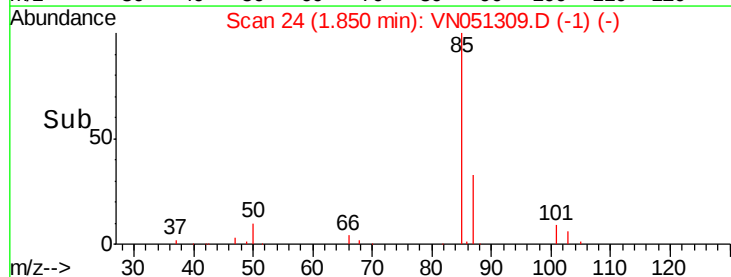
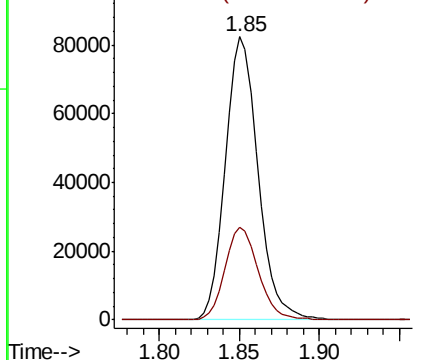
Acq: 19 Sep 2018 10:29

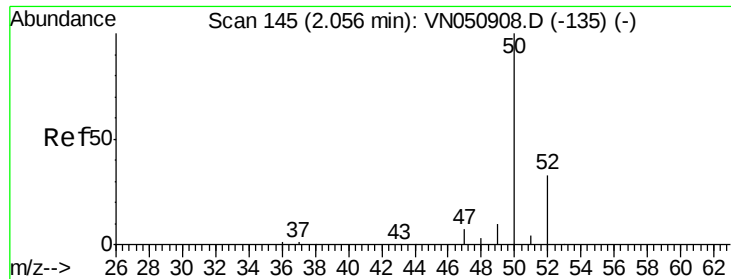
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.75 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tot Ion: 50 Resp: 148731

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4

Instrument :

MSVOA_N

ClientSampleId :

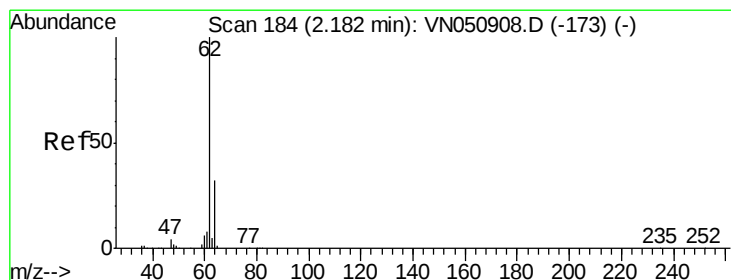
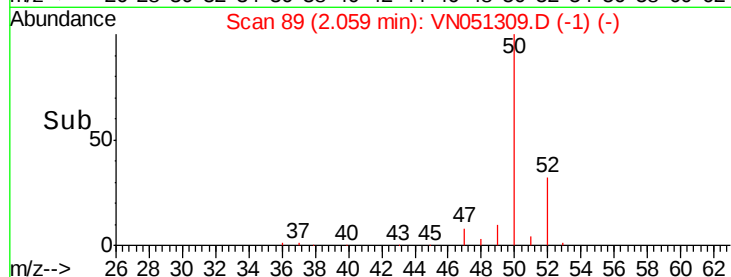
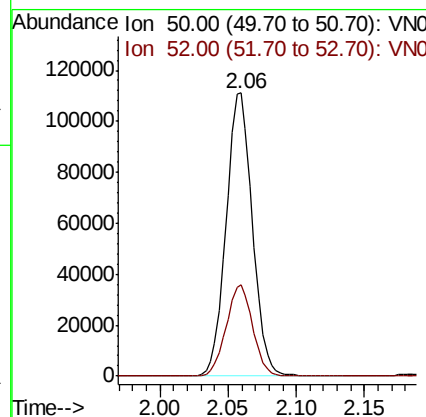
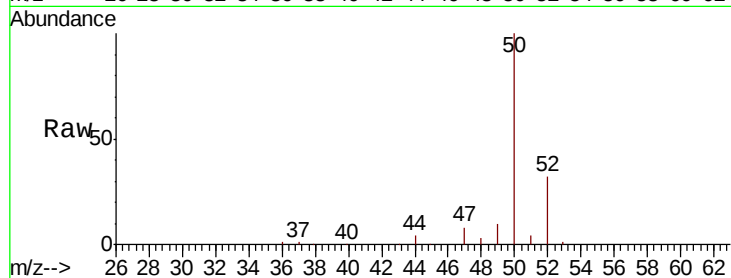
VSTDCCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.02 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051309.D

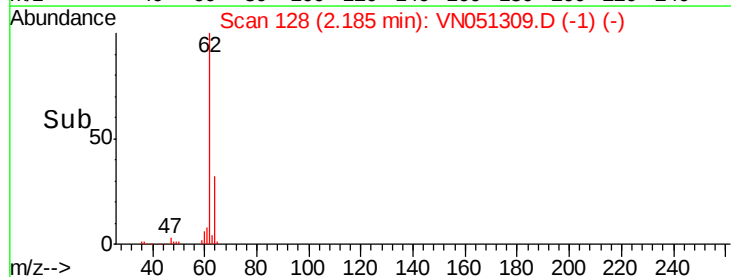
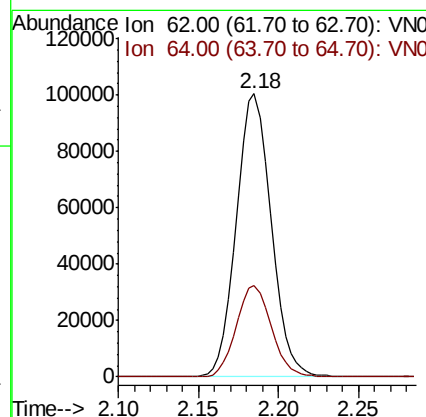
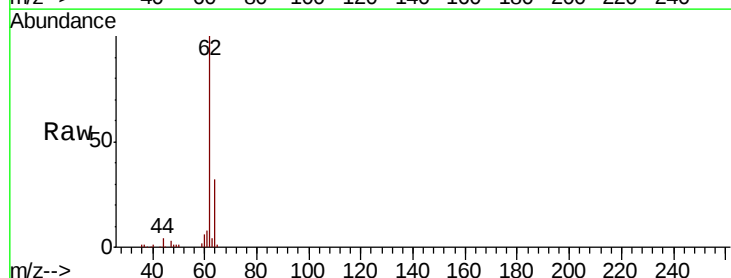
Acq: 19 Sep 2018 10:29

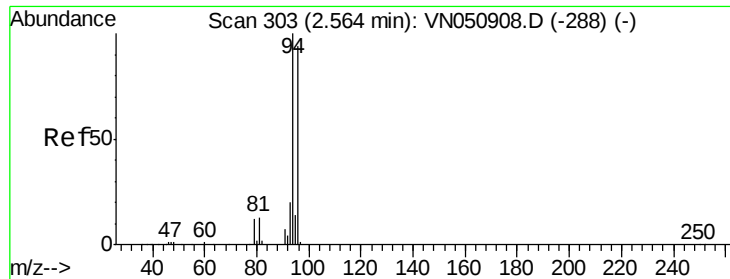
Tgt Ion: 62 Resp: 148946

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 18.82 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 85354

Ion Ratio Lower Upper

94 100

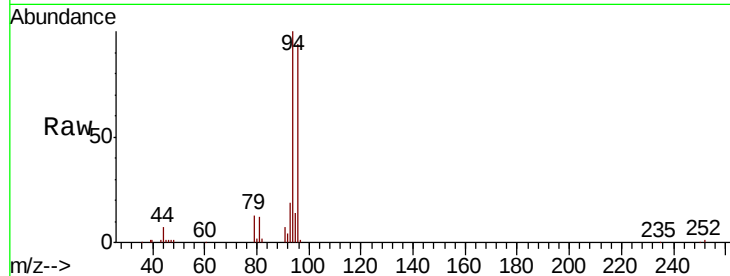
96 93.2 74.9 112.3

Manual Integrations

APPROVED

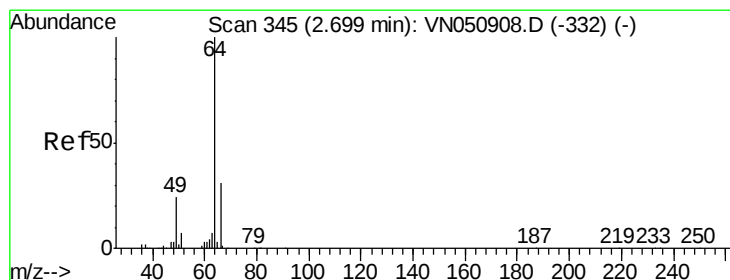
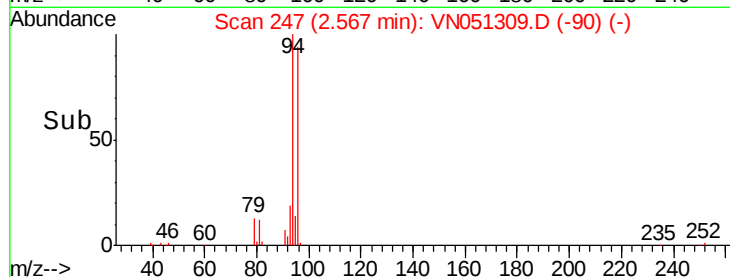
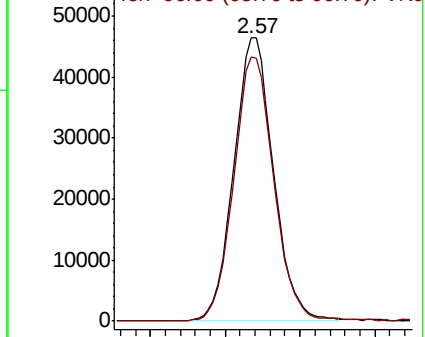
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Abundance Ion 94.00 (93.70 to 94.70): VNC

Ion 96.00 (95.70 to 96.70): VNC



#6

Chloroethane

Concen: 20.30 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051309.D

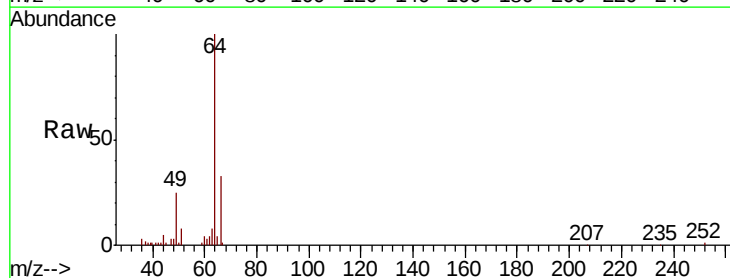
Acq: 19 Sep 2018 10:29

Tgt Ion: 64 Resp: 89111

Ion Ratio Lower Upper

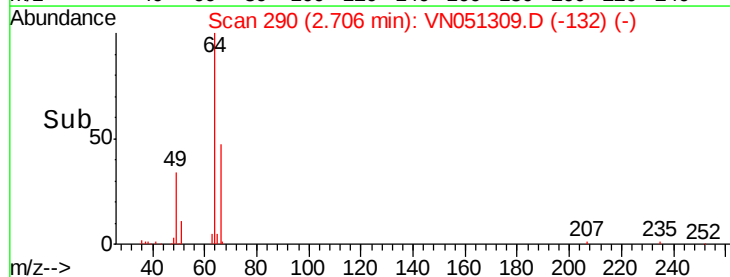
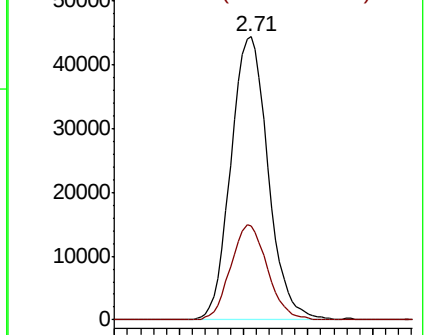
64 100

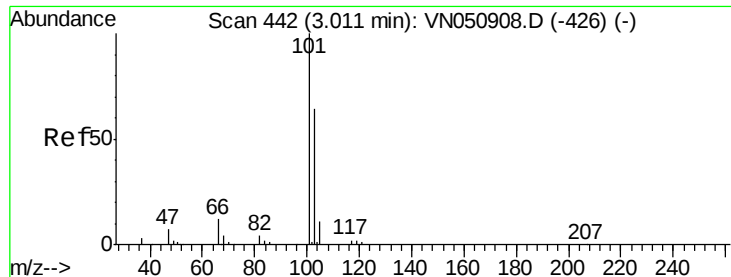
66 33.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VNC

Ion 66.00 (65.70 to 66.70): VNC





#7

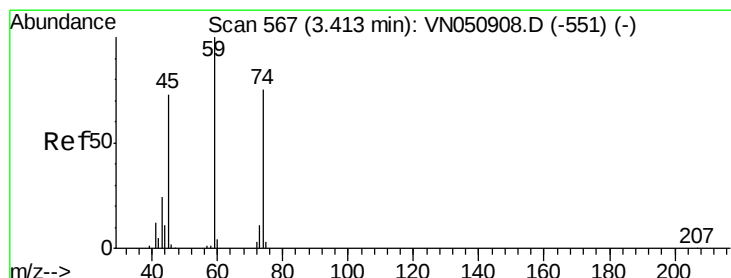
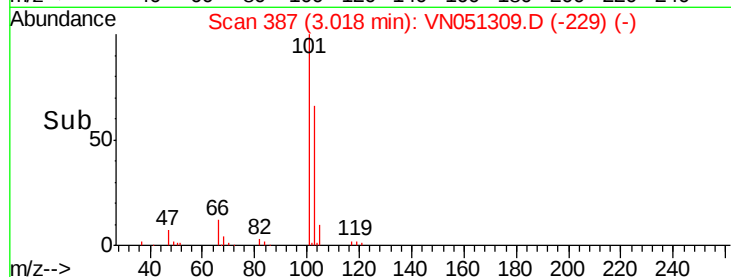
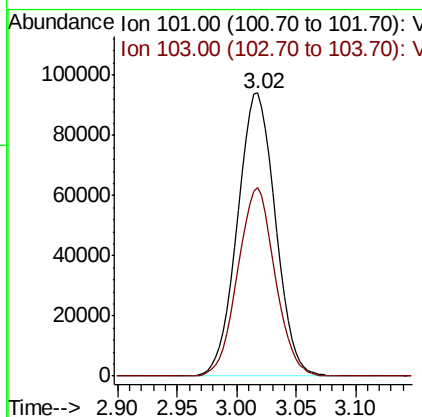
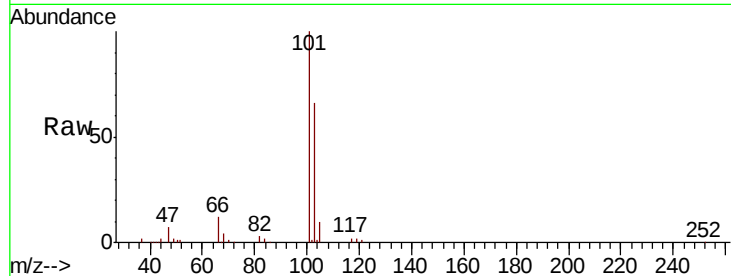
Trichlorofluoromethane
 Concen: 21.11 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.3	76.9

Manual Integrations
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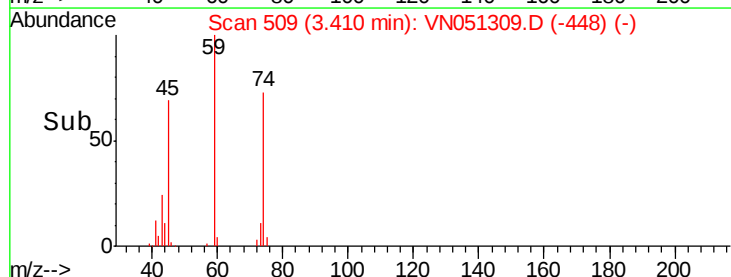
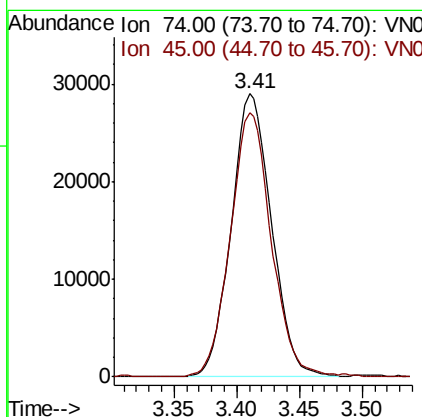
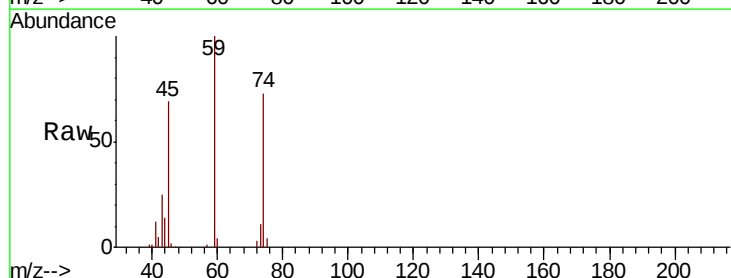
MMDadoda
 9/20/2018 1:42:06 PM

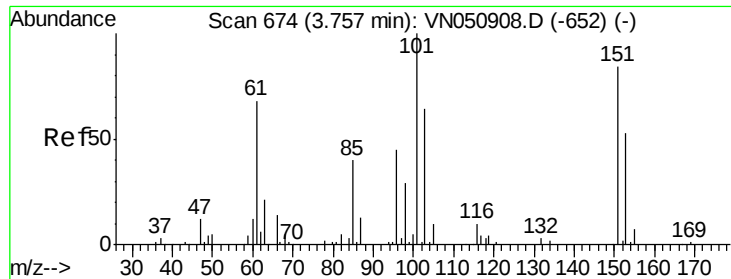


#8

Diethyl Ether
 Concen: 18.58 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	19.7	177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.45 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

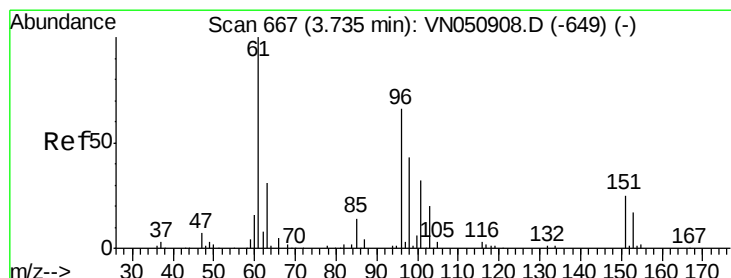
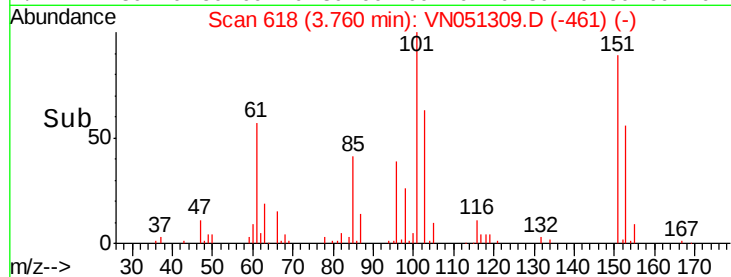
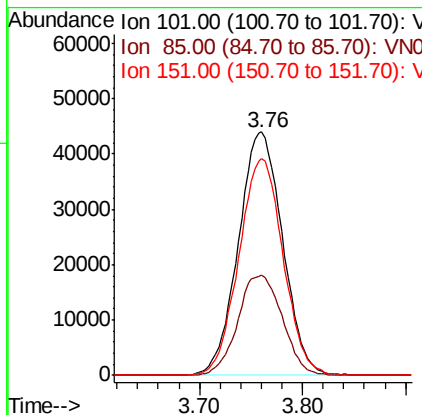
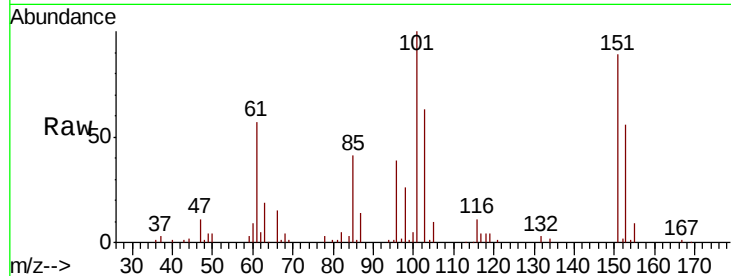
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	130994
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	83.6
151	89.0	0.0	167.0

Manual Integrations
APPROVED

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9/20/2018 1:42:06 PM



#10

1,1-Dichloroethene

Concen: 20.24 ug/l

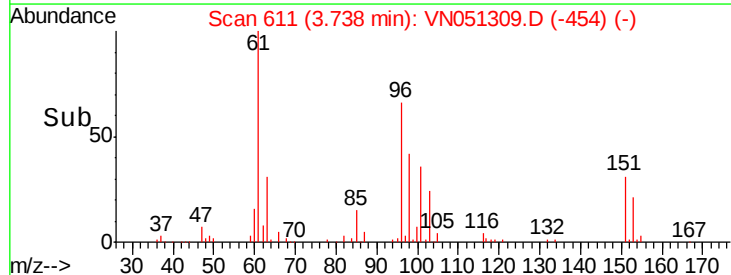
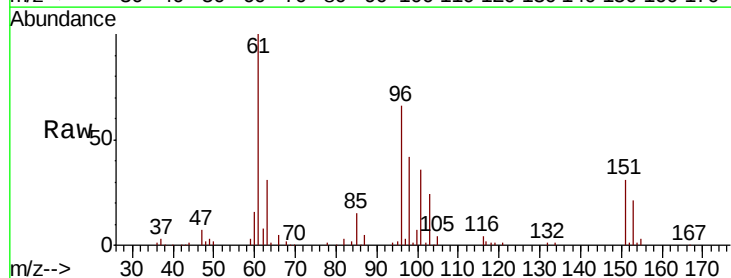
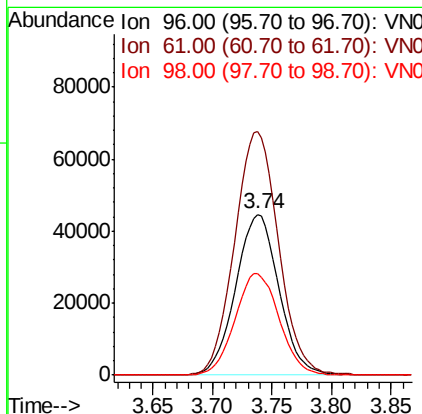
RT: 3.74 min Scan# 611

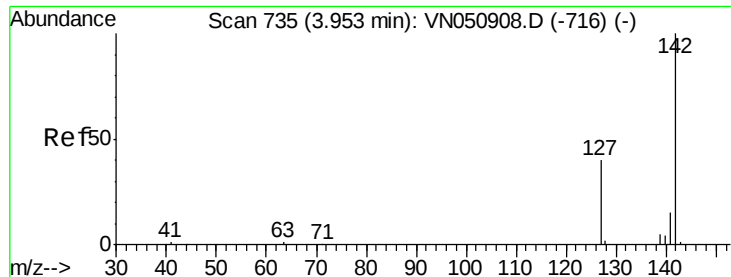
Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion:	96	Resp:	112310
Ion Ratio	Lower	Upper	
96	100		
61	151.0	121.8	182.8
98	62.9	52.3	78.5





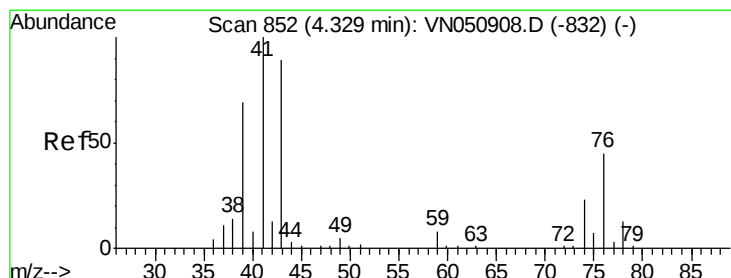
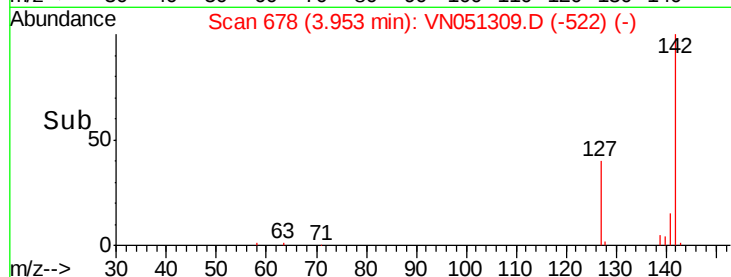
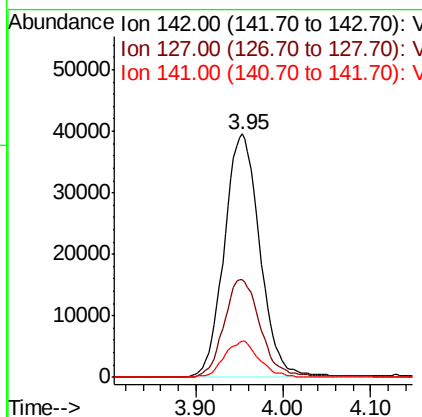
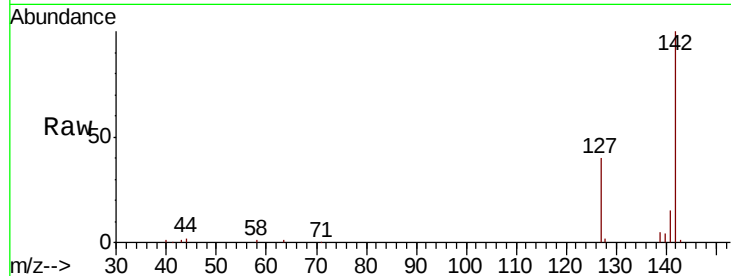
#11
Methyl Iodide
Concen: 21.65 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.8	19.7	59.1
141	14.8	7.3	22.0

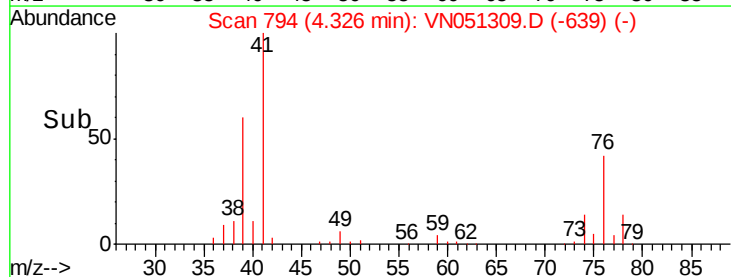
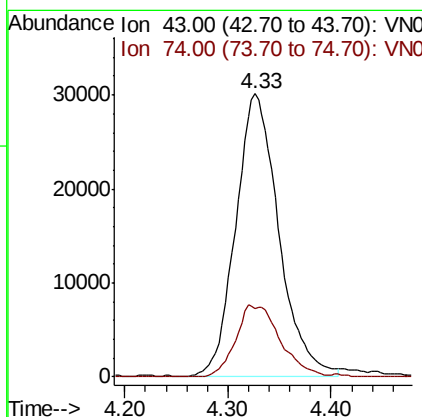
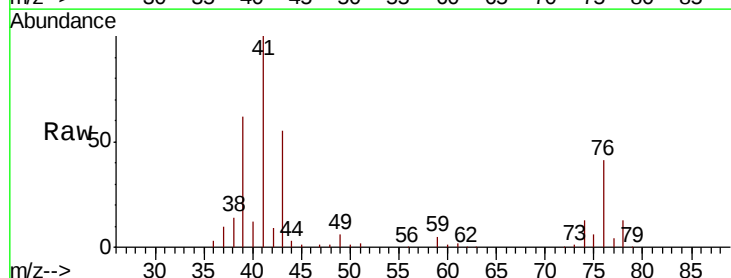
Manual Integrations
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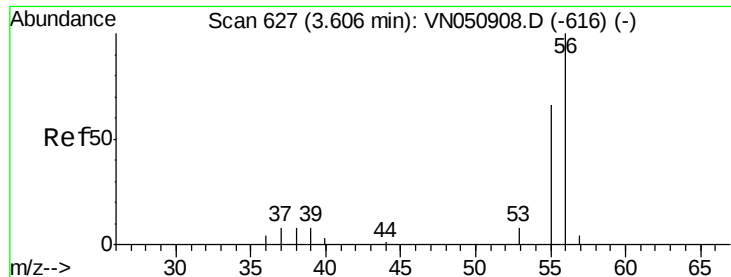
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#12
Methyl Acetate
Concen: 13.66 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.6	31.0





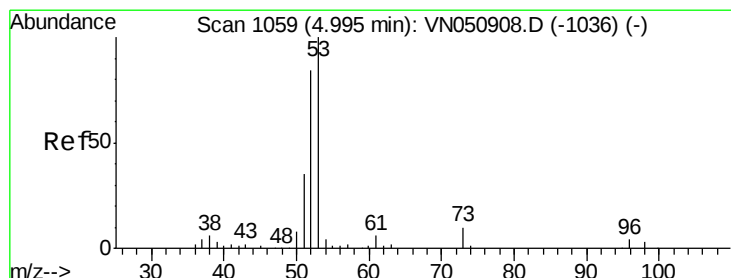
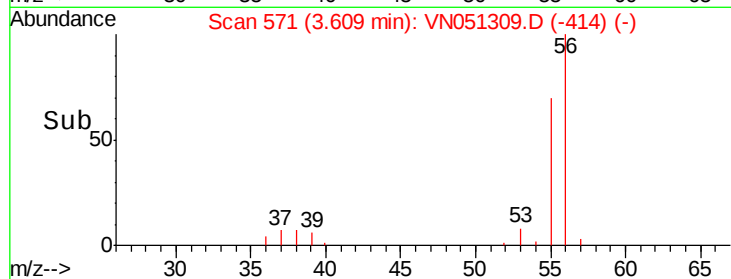
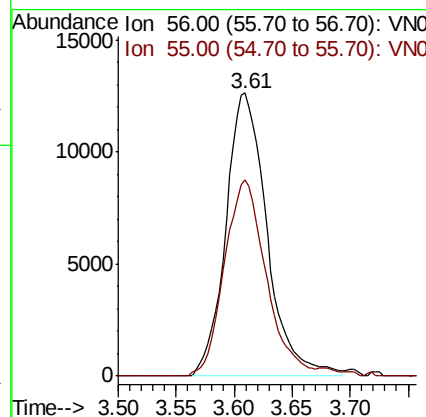
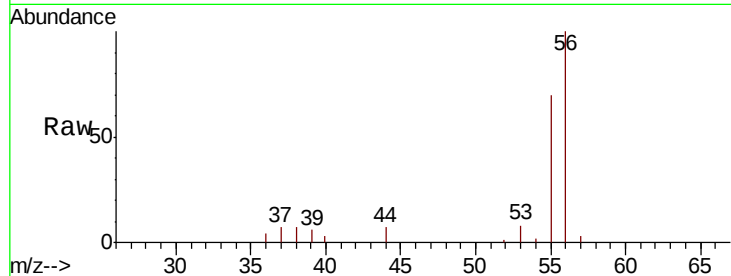
#13
Acrolein
Concen: 219.71 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.3	59.1	88.7	

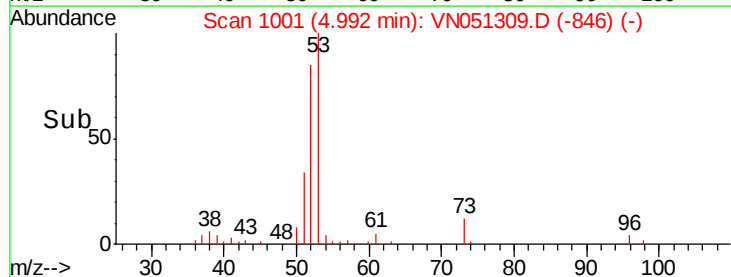
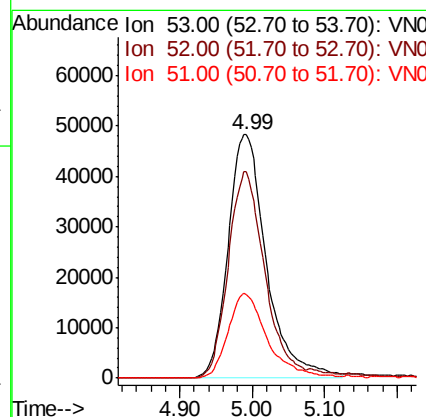
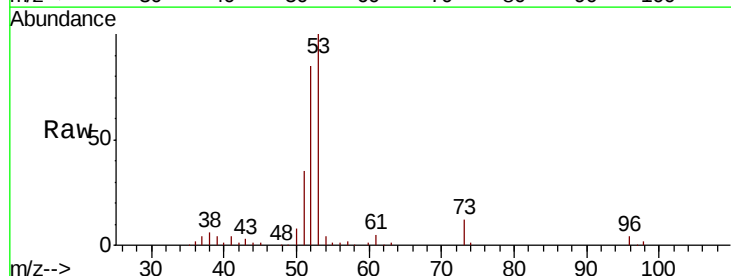
Manual Integrations
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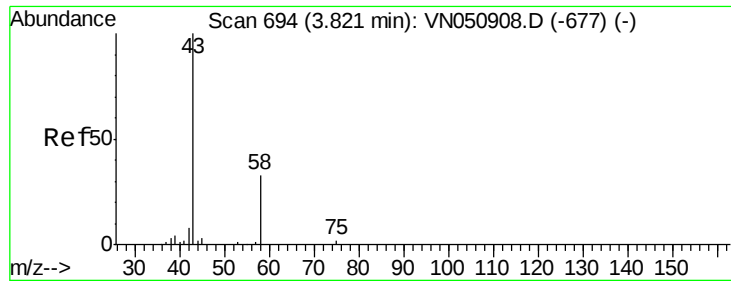
MMDadoda
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#14
Acrylonitrile
Concen: 81.73 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.5	42.2	126.6	
51	35.4	17.7	53.1	





#15

Acetone

Concen: 97.33 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 54029

Ion Ratio Lower Upper

58 100

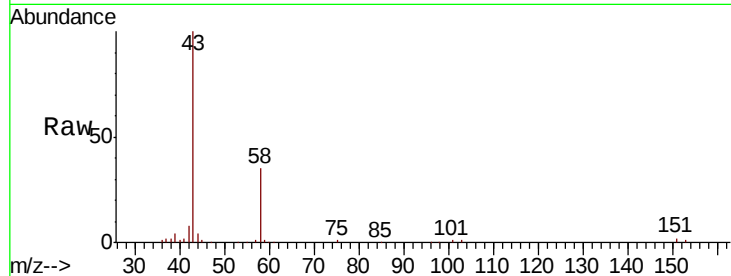
43 286.7 239.4 359.0

Manual Integrations

APPROVED

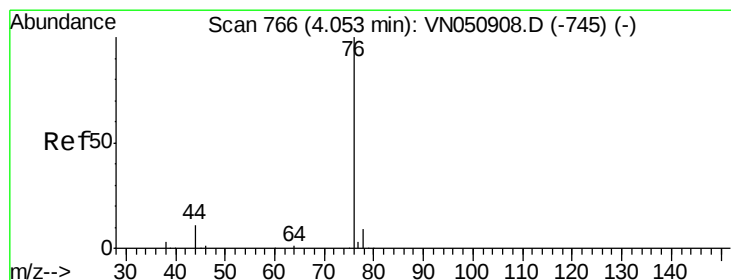
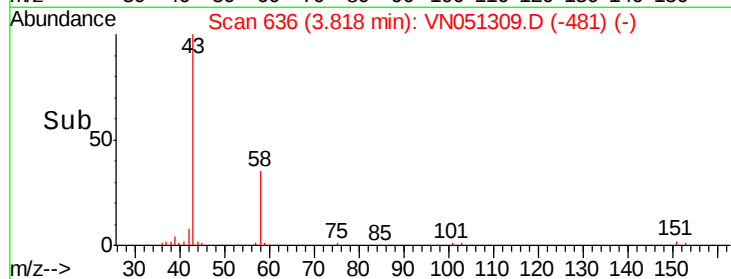
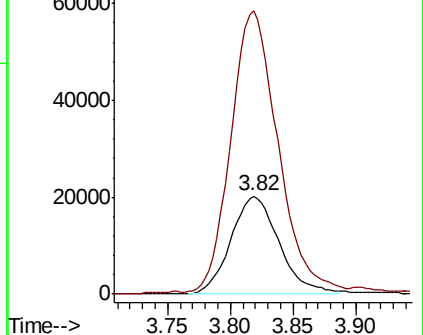
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN051309.D (-553) (-)

Ion 43.00 (42.70 to 43.70): VN051309.D (-553) (-)



#16

Carbon Disulfide

Concen: 20.59 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051309.D

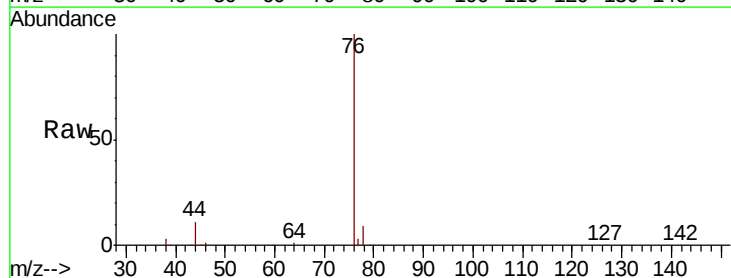
Acq: 19 Sep 2018 10:29

Tgt Ion: 76 Resp: 343537

Ion Ratio Lower Upper

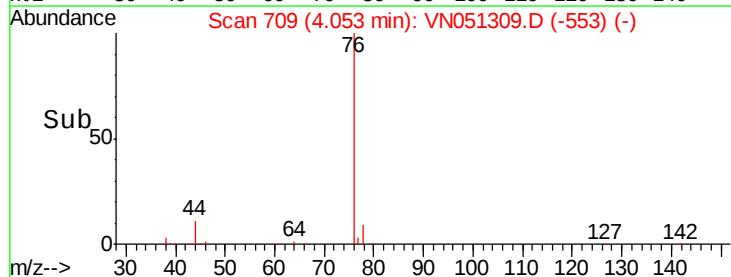
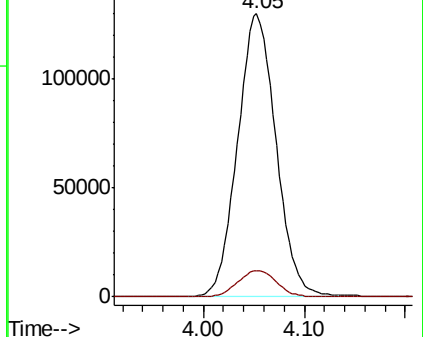
76 100

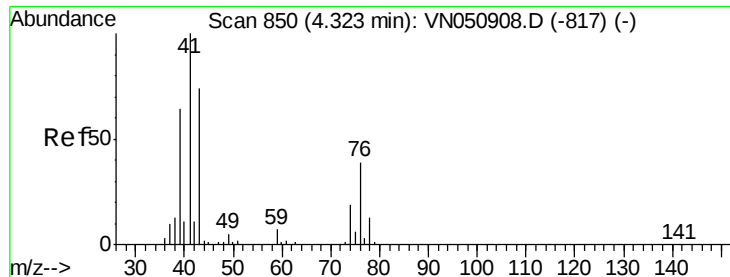
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051309.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN051309.D (-553) (-)





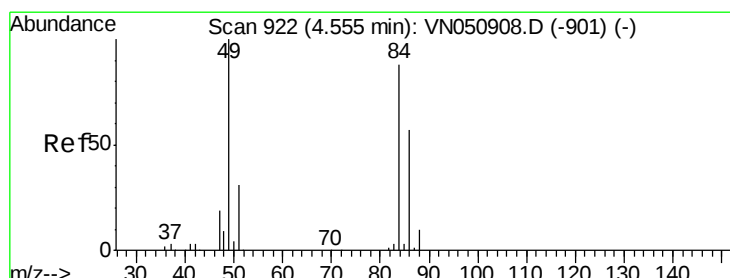
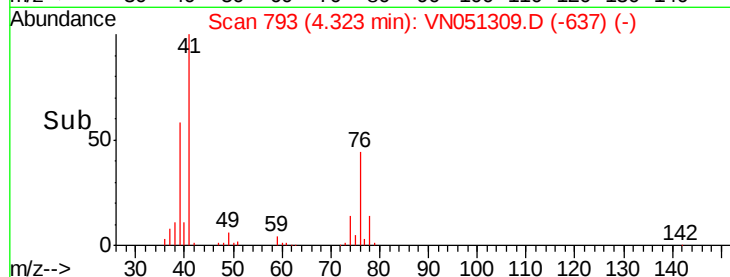
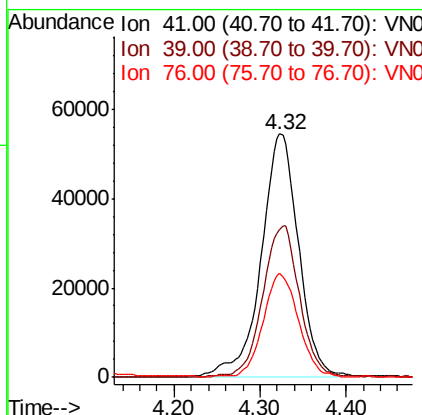
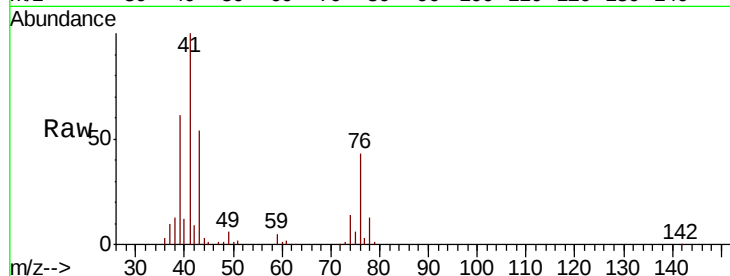
#17
Allvl chloride
Concen: 18.82 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	164351
Ion Ratio	Lower	Upper	
41	100		
39	60.9	32.2	96.6
76	41.9	19.6	58.7

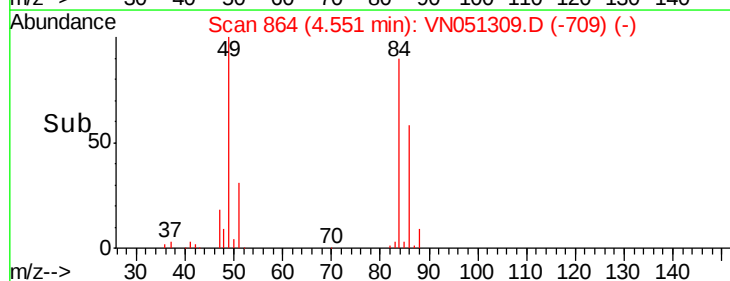
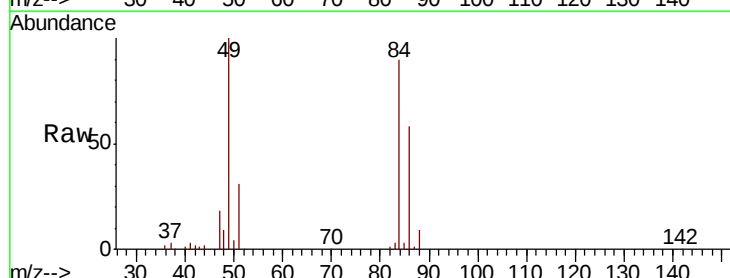
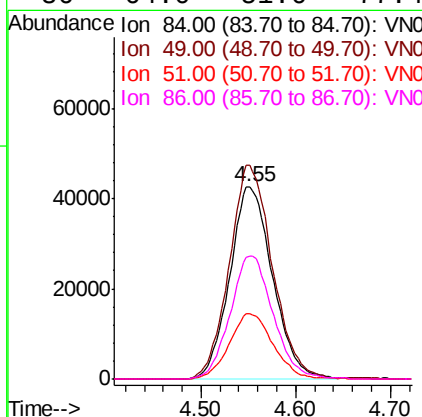
Manual Integrations
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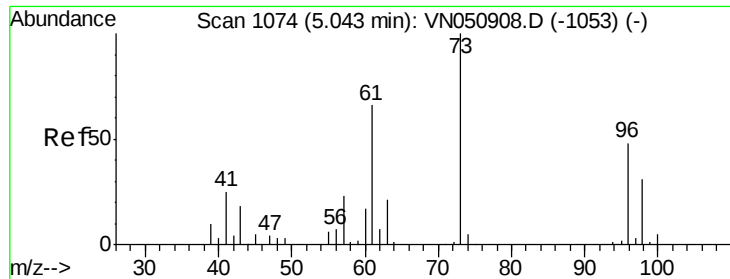
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#18
Methylene Chloride
Concen: 20.61 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:	84	Resp:	134199
Ion Ratio	Lower	Upper	
84	100		
49	110.8	90.6	135.8
51	34.1	28.4	42.6
86	64.0	51.6	77.4





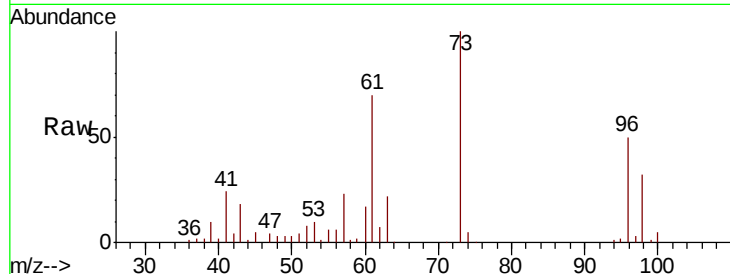
#19
trans-1,2-Dichloroethene
Concen: 20.85 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.5	164.3
98	63.7	51.9	77.9

Manual Integrations
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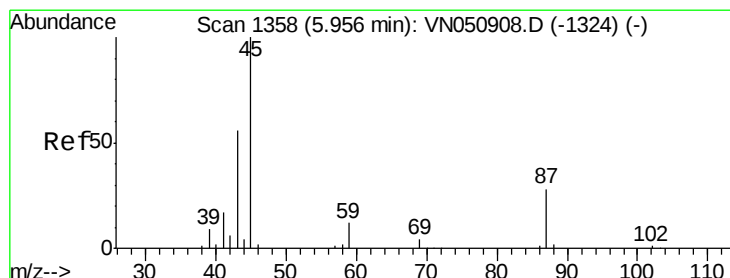
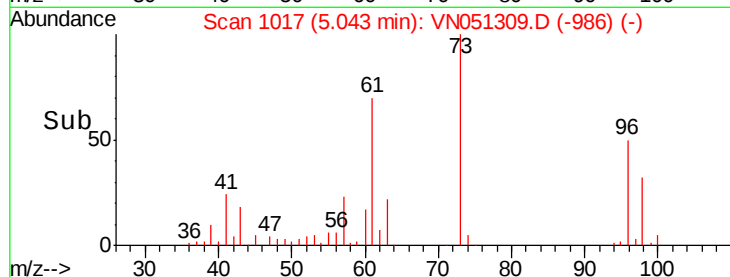
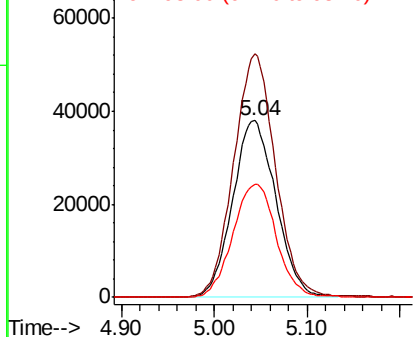


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.62 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.0	70.6
87	31.6	22.8	34.2
59	12.9	9.5	14.3

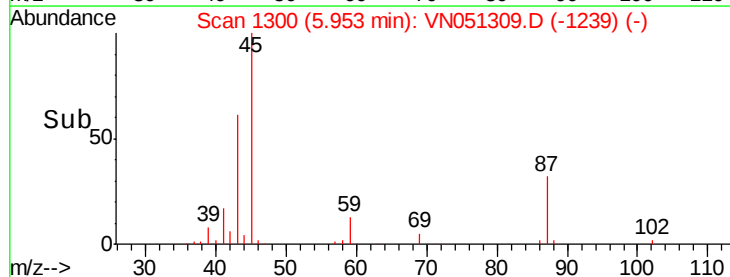
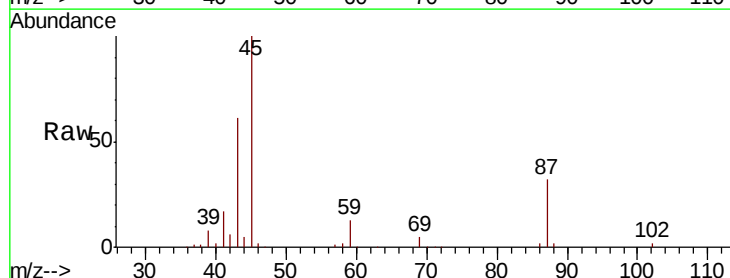
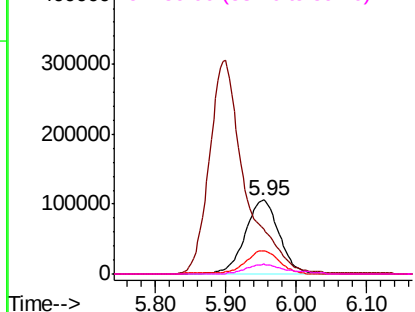
Abundance

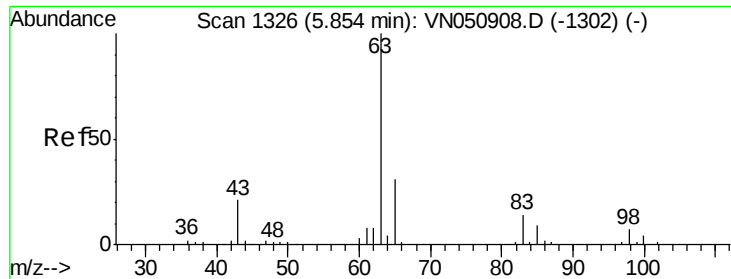
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





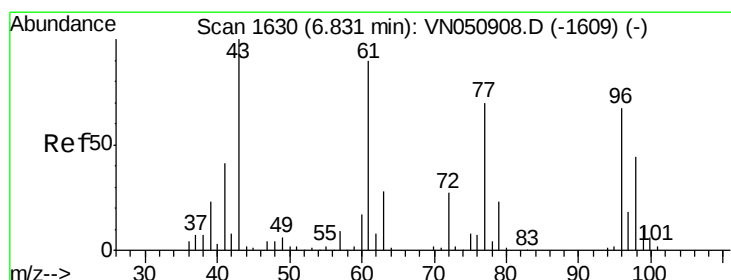
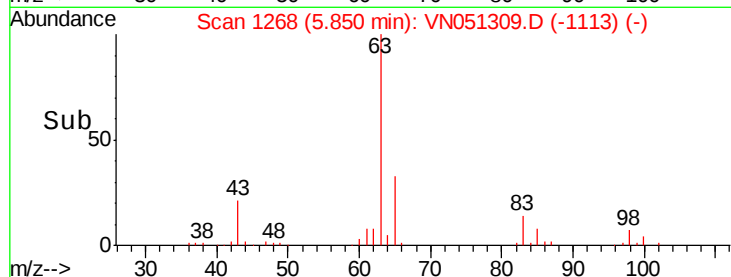
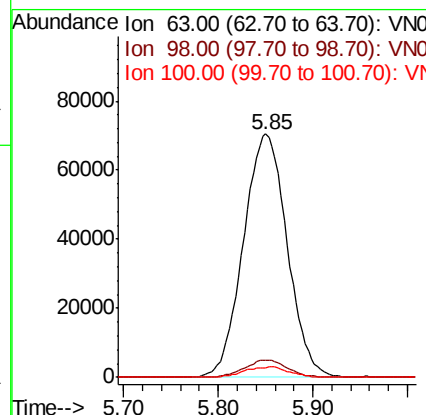
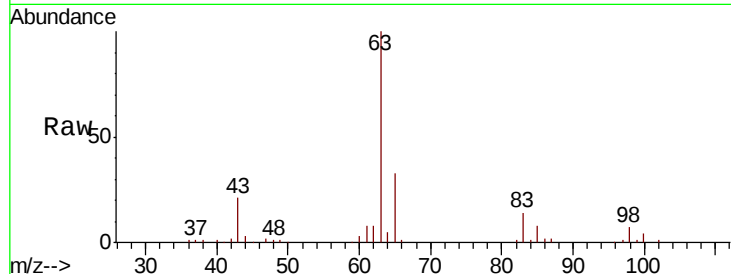
#21
 1,1-Dichloroethane
 Concen: 20.32 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	225805		
98	7.2	3.3	9.9	
100	4.0	2.0	6.0	

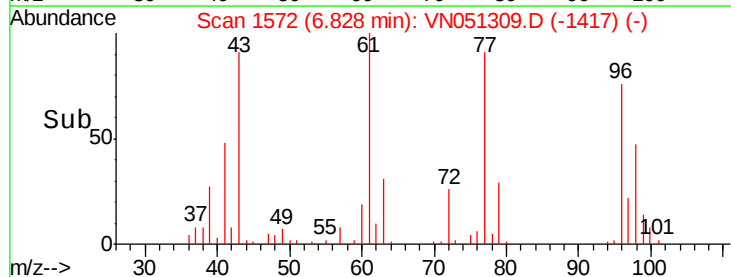
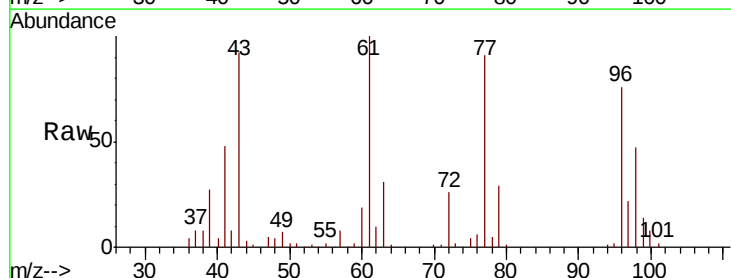
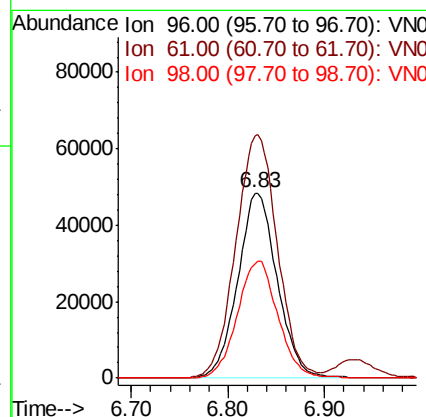
Manual Integrations
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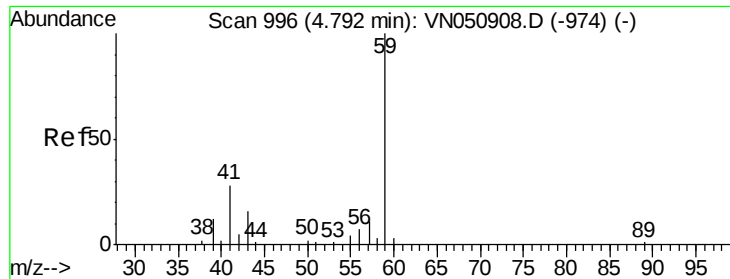
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#22
 cis-1,2-Dichloroethene
 Concen: 20.59 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137497		
61	138.3	110.0	165.0	
98	64.5	51.7	77.5	





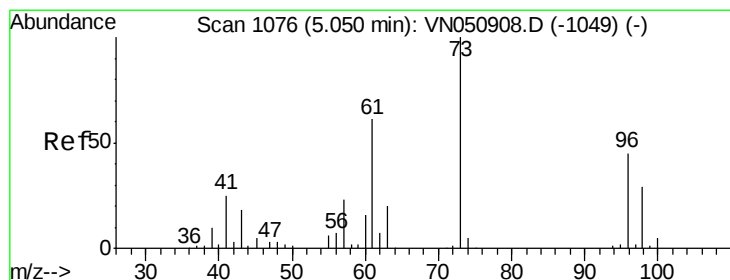
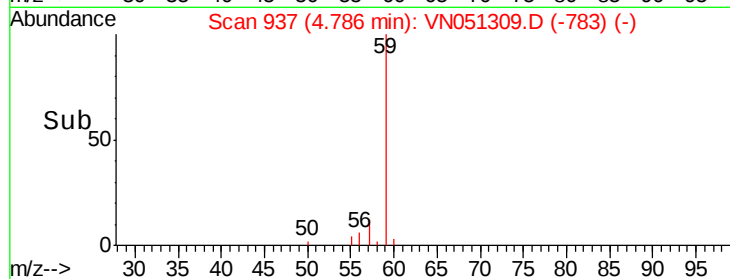
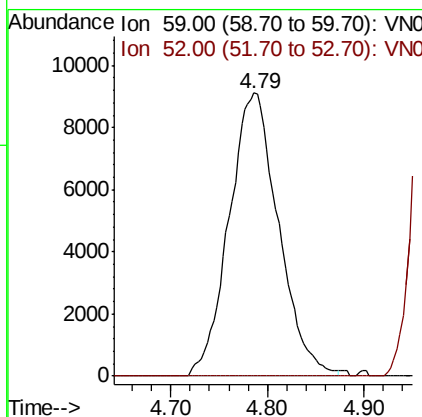
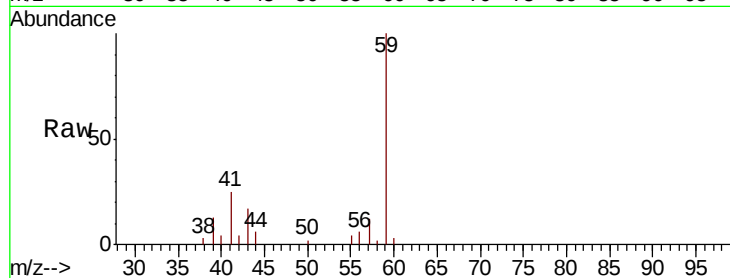
#23
 tert-Butyl Alcohol
 Concen: 70.27 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	52	Ratio	Lower	Upper
32419	100	0.0	0.1	0.1	

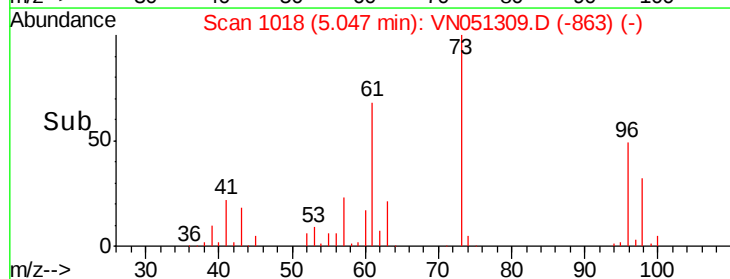
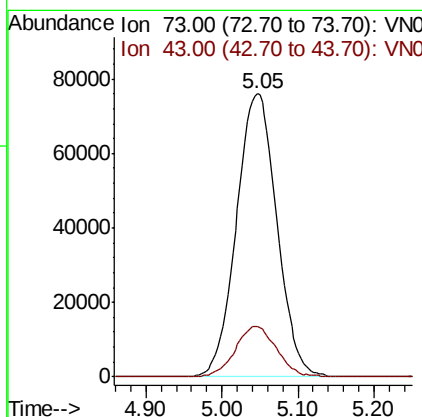
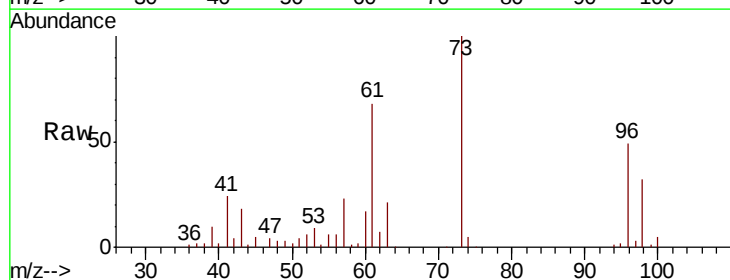
Manual Integrations
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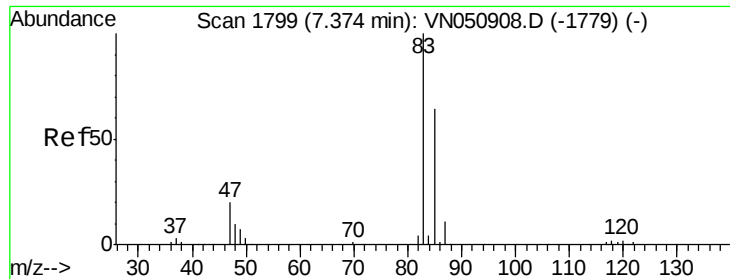
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#24
 Methyl tert-Butyl Ether
 Concen: 18.50 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	73	43	Ratio	Lower	Upper
280797	100	18.0	14.4	21.6	





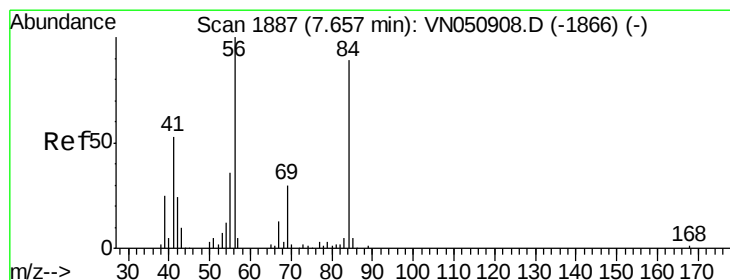
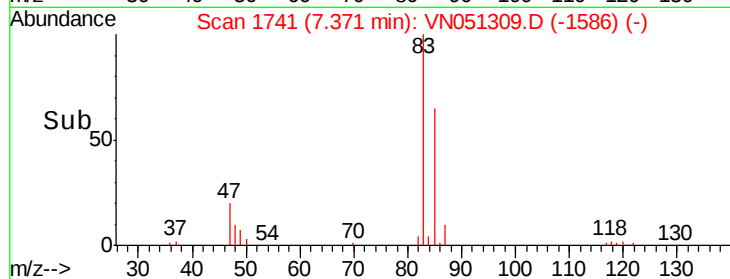
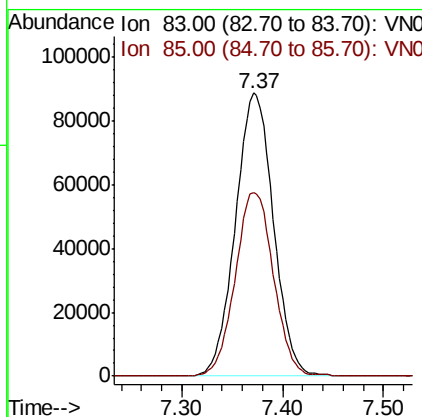
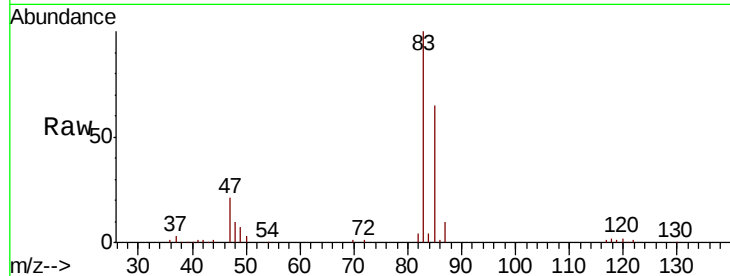
#25
Chloroform
Concen: 20.91 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	231901
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.4	77.0

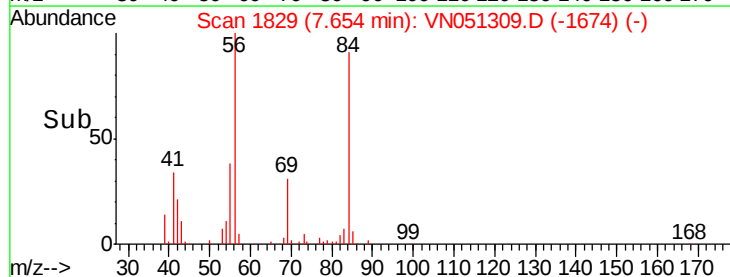
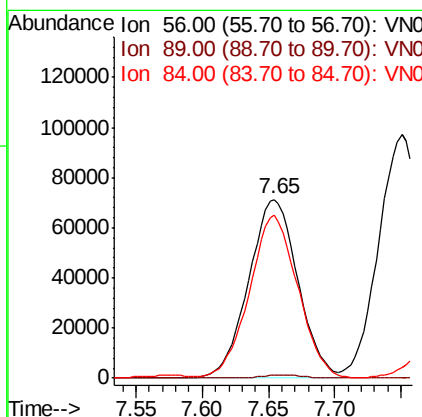
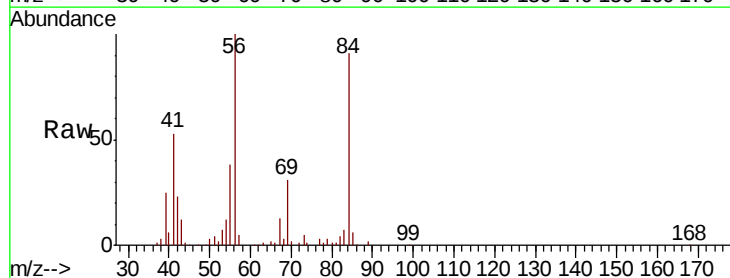
Manual Integrations
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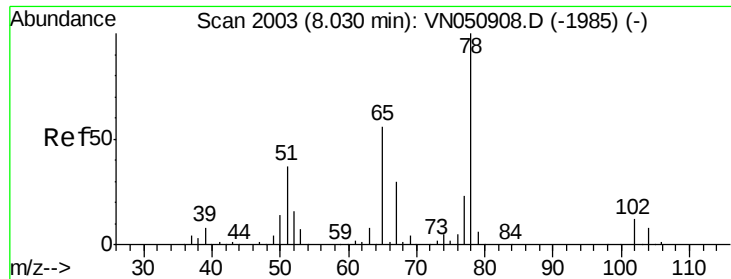
MMDadoda
9/20/2018 1:42:06 PM



#26
Cyclohexane
Concen: 20.07 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	56	Resp	184795
Ion Ratio	100	Lower	Upper
56	100		
89	1.6	0.4	0.6#
84	88.8	70.4	105.6





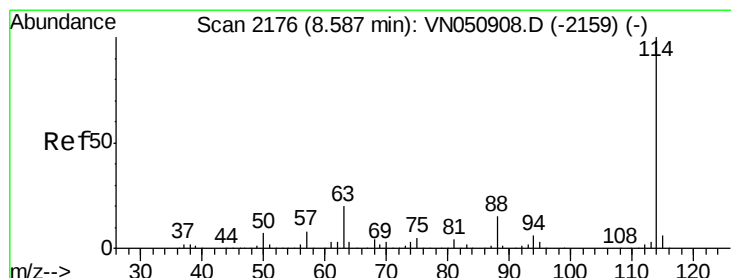
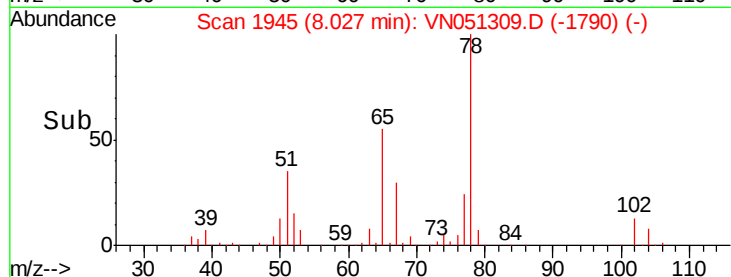
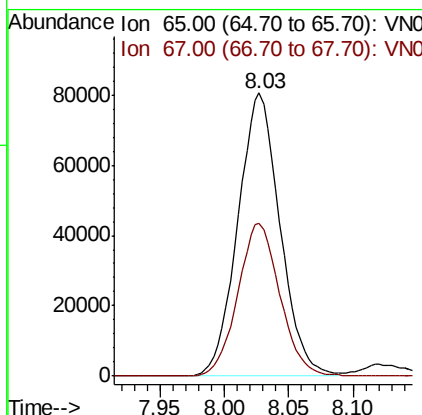
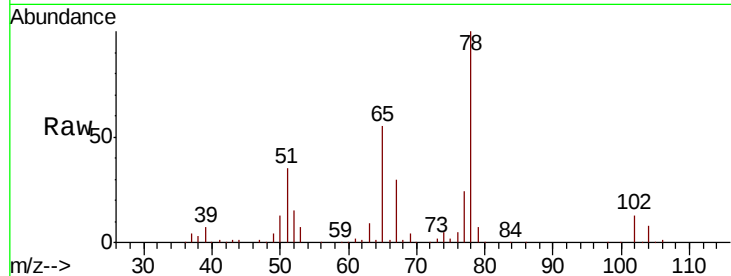
#27
 1,2-Dichloroethane-d4
 Concen: 27.96 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	43.7	65.5

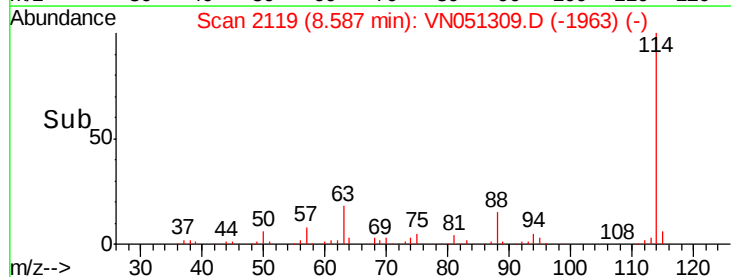
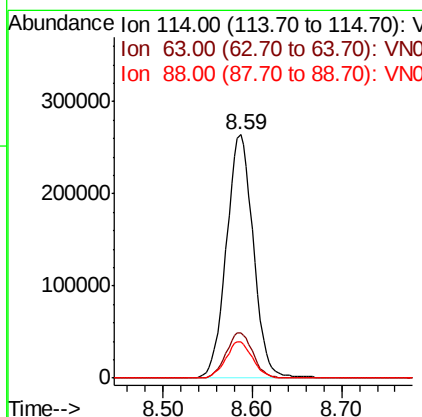
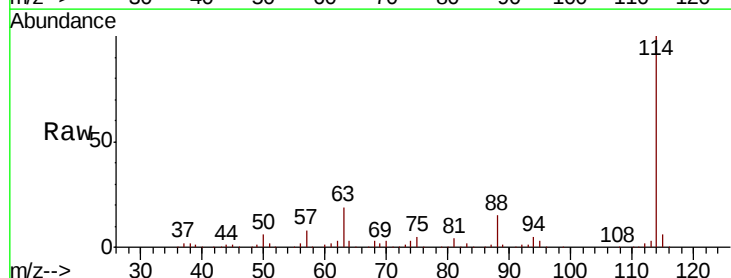
Manual Integrations
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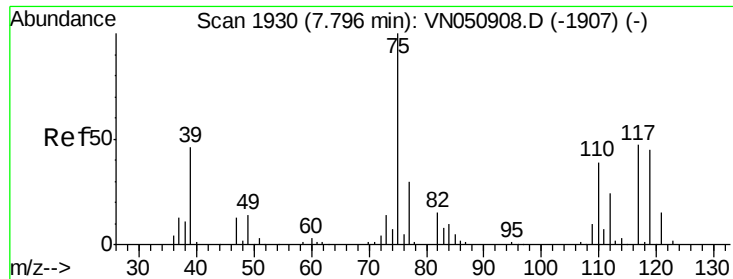
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	15.6	23.4
88	14.8	12.2	18.4





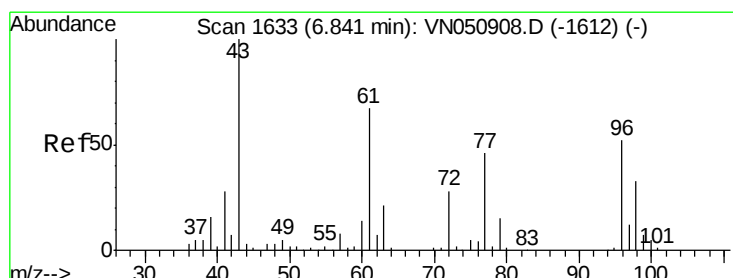
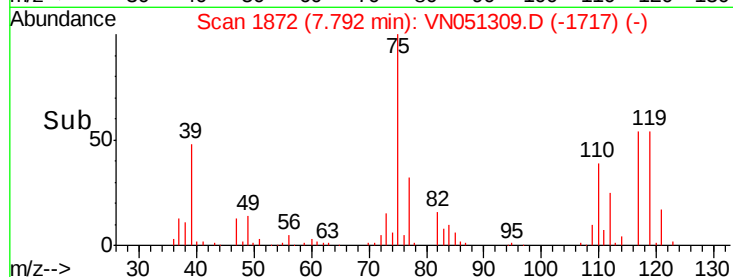
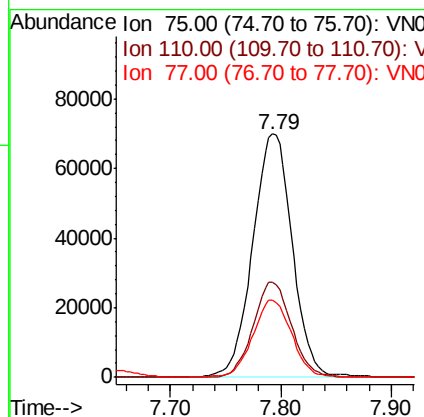
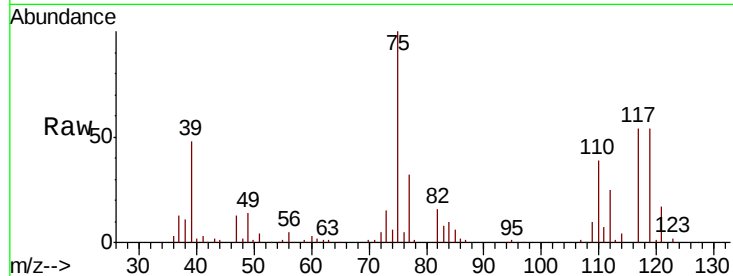
#29
 1,1-Dichloropropene
 Concen: 21.04 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	173781		
110	37.9	0.0	75.0	
77	31.3	0.0	60.6	

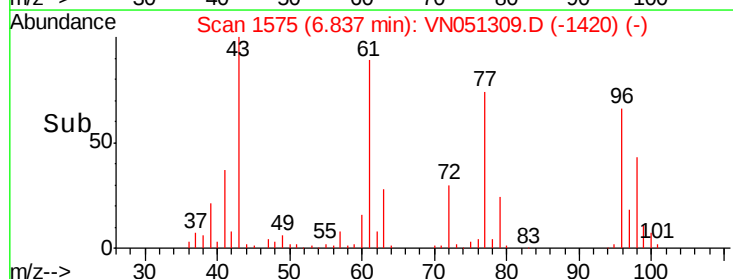
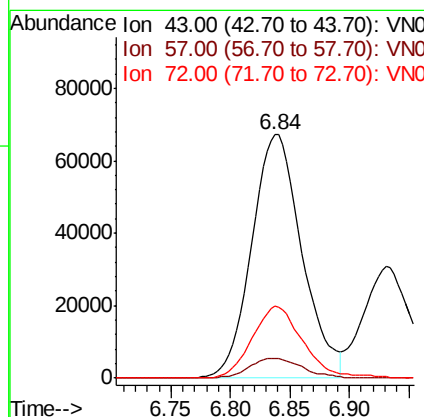
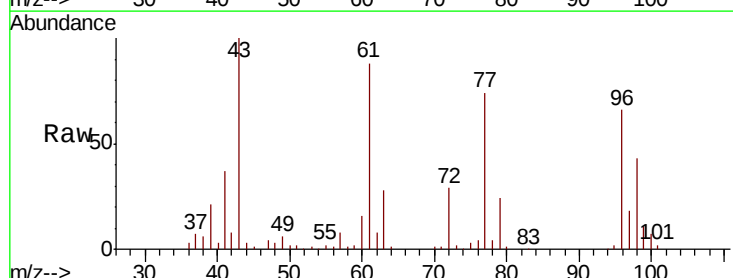
Manual Integrations
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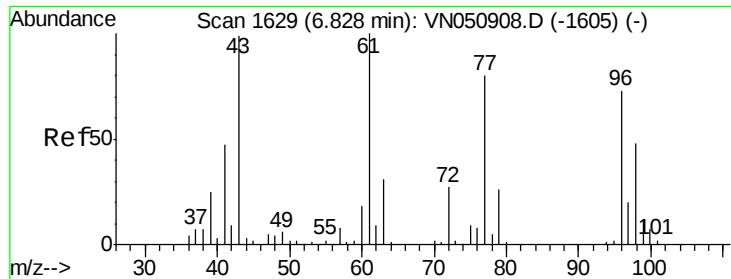
MMDadoda
 9/20/2018 1:42:06 PM



#30
 2-Butanone
 Concen: 77.32 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	196478		
57	4.3	6.9	10.3#	
72	29.4	22.8	34.2	





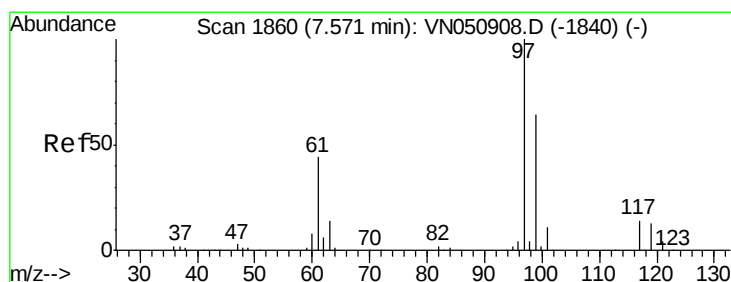
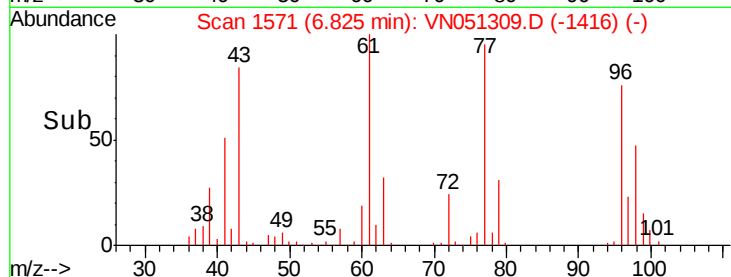
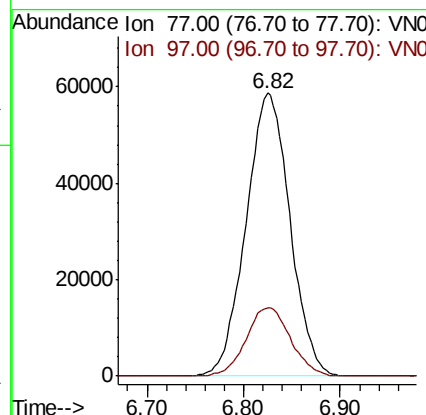
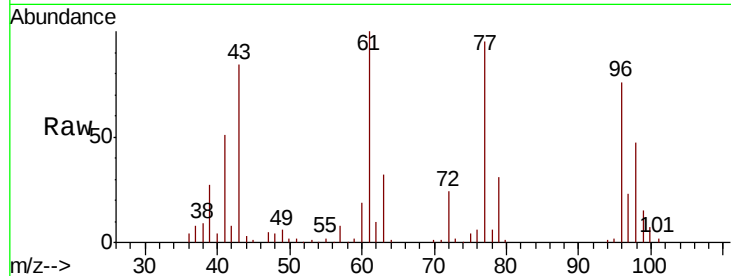
#31
 2,2-Dichloropropane
 Concen: 23.03 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 185142
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

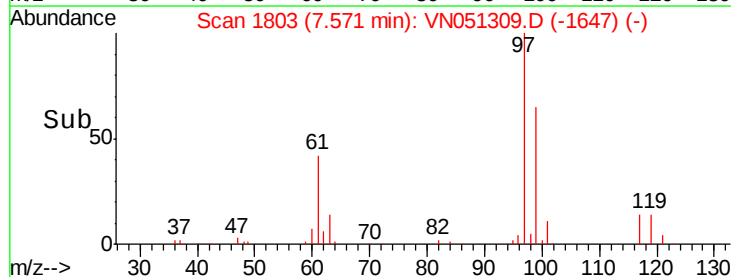
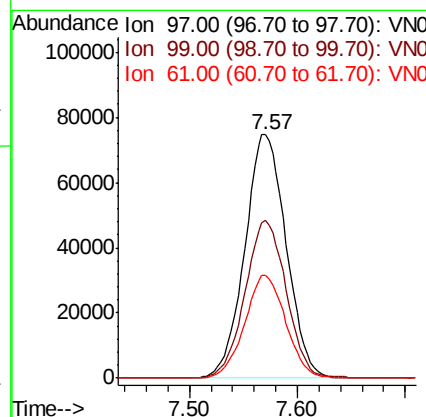
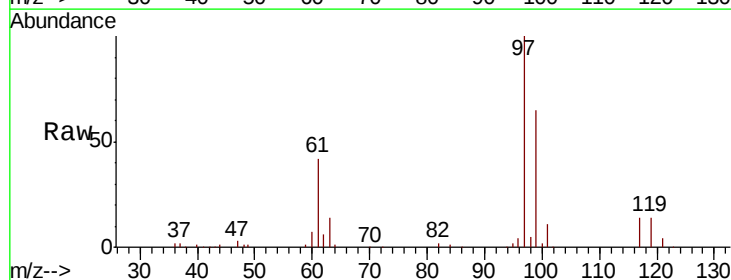
Manual Integrations
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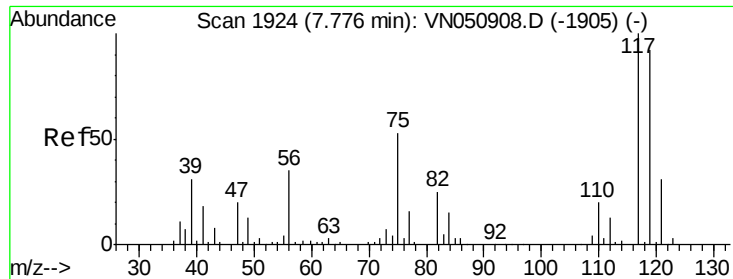
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#32
 1,1,1-Trichloroethane
 Concen: 21.21 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 97 Resp: 198671
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.0 78.0
 61 41.9 35.0 52.6





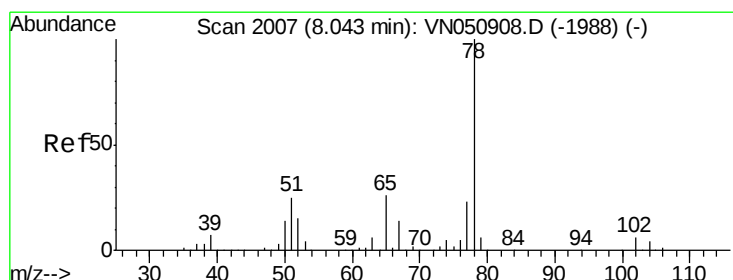
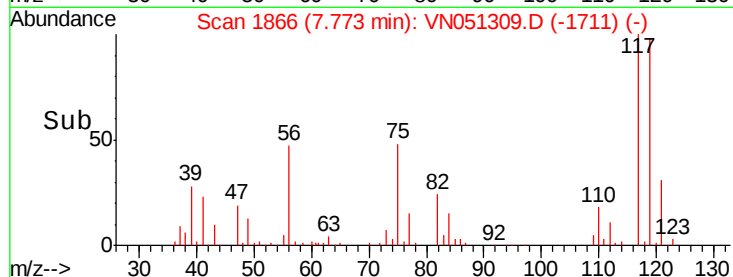
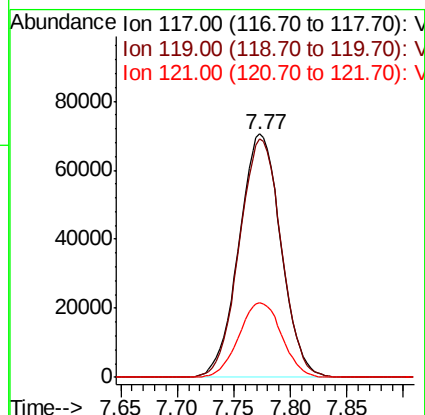
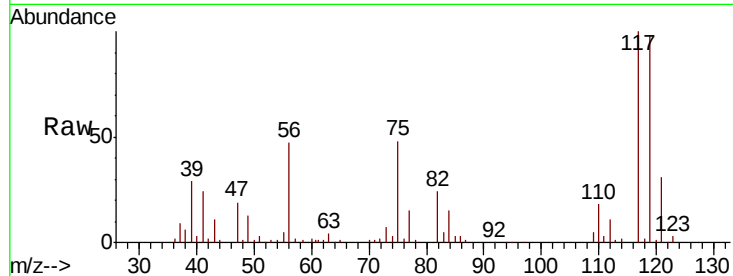
#33
Carbon Tetrachloride
Concen: 21.56 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.5	110.3
121	30.6	24.6	37.0

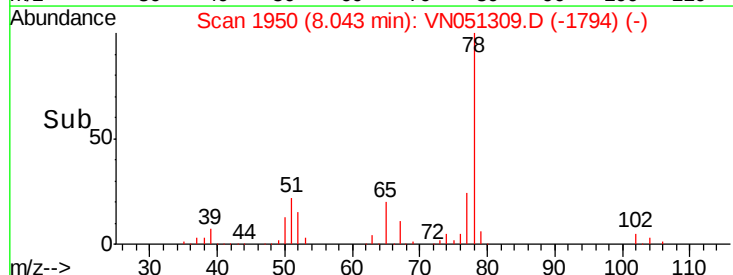
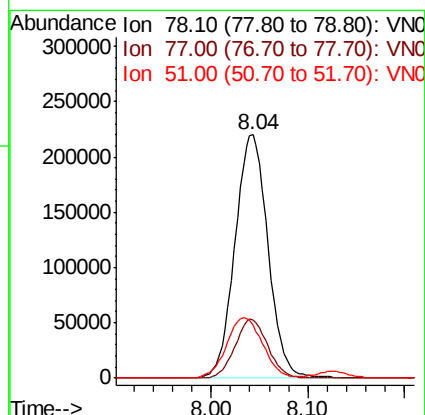
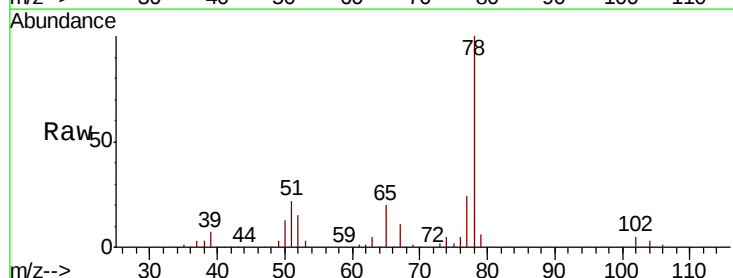
Manual Integrations
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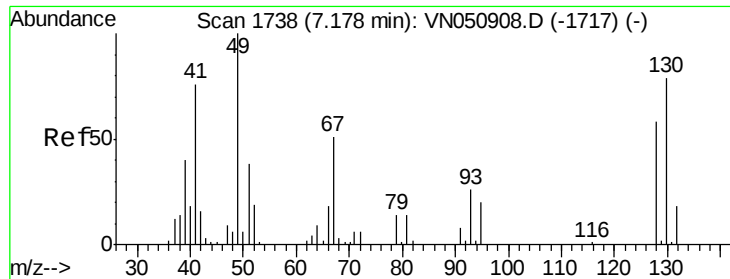
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#34
Benzene
Concen: 20.42 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0
51	21.5	20.0	30.0





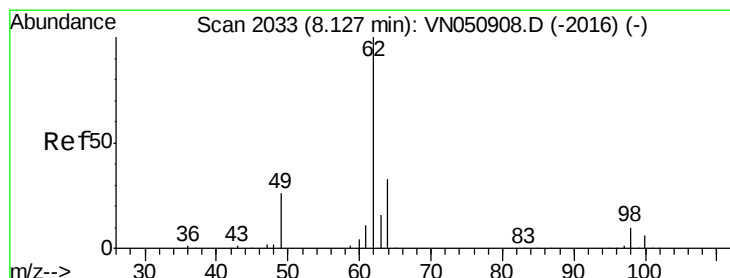
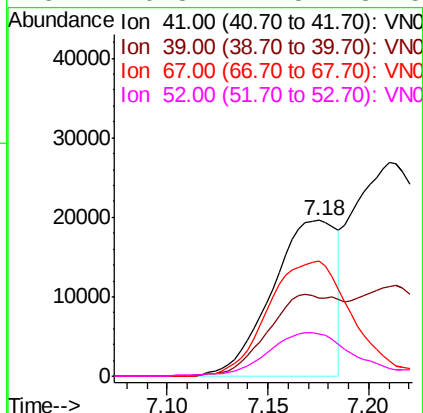
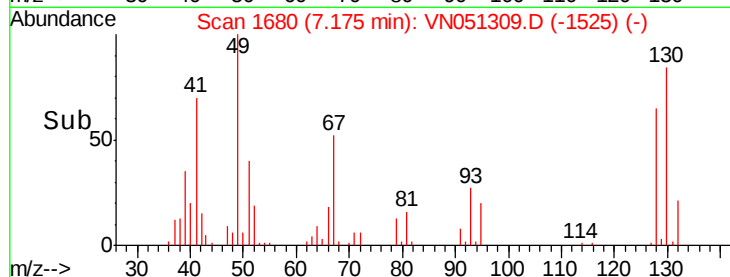
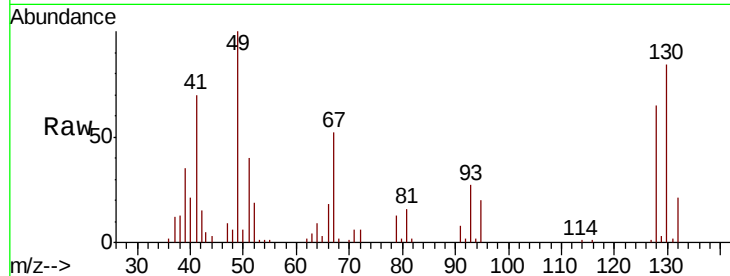
#35
Methacrylonitrile
Concen: 15.70 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	43697
Ion	Ratio	Lower	Upper
41	100		
39	50.4	26.2	78.5
67	74.2	33.9	101.6
52	26.3	12.5	37.5

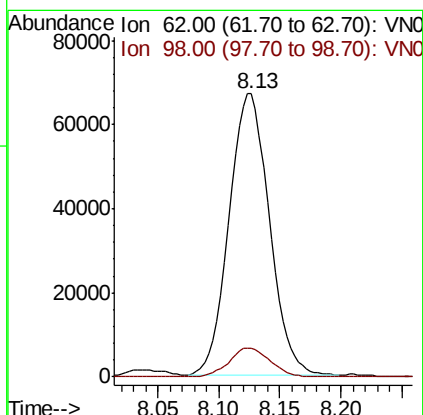
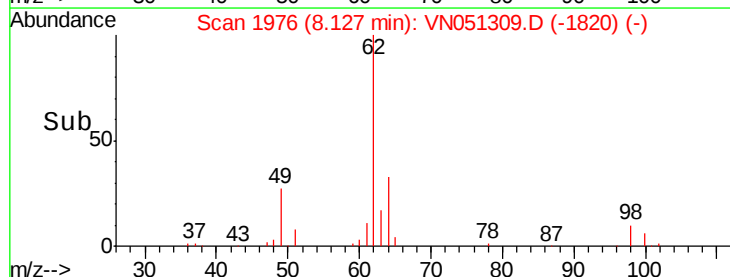
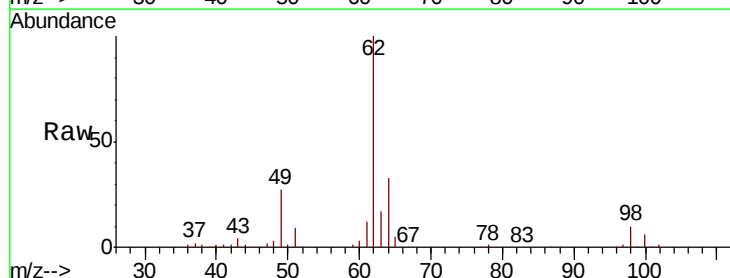
Manual Integrations
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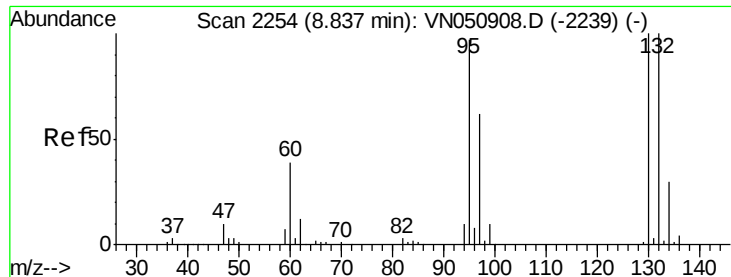
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#36
1,2-Dichloroethane
Concen: 19.92 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:	62	Resp:	153927
Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.0	12.0





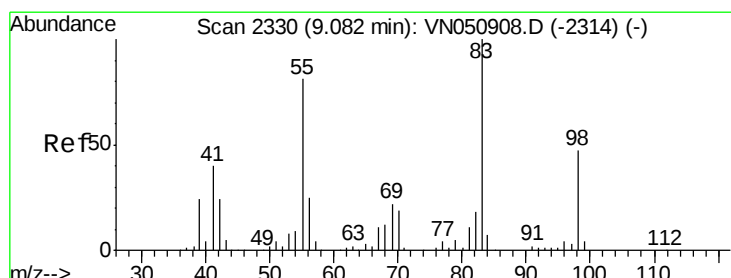
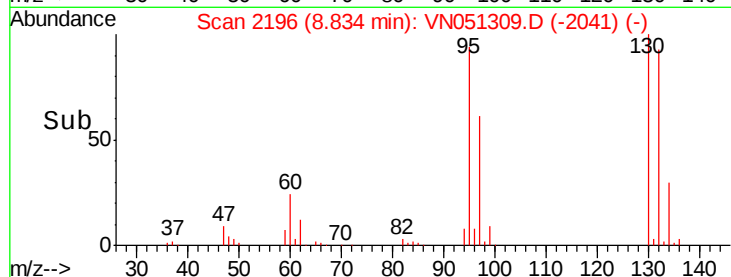
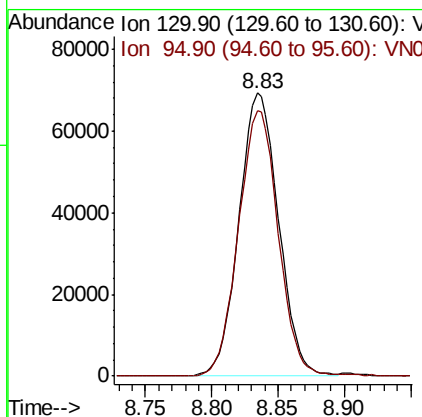
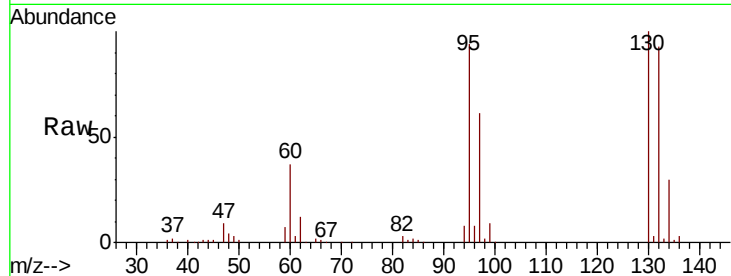
#37
 Trichloroethene
 Concen: 21.59 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 144219
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0

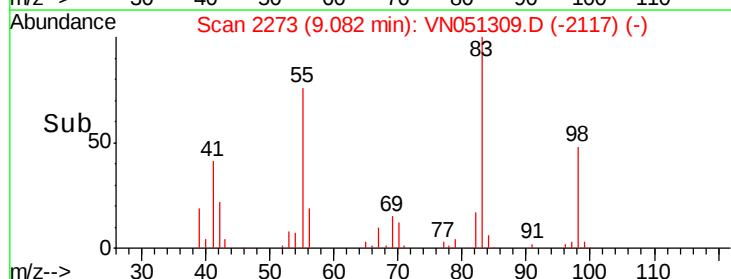
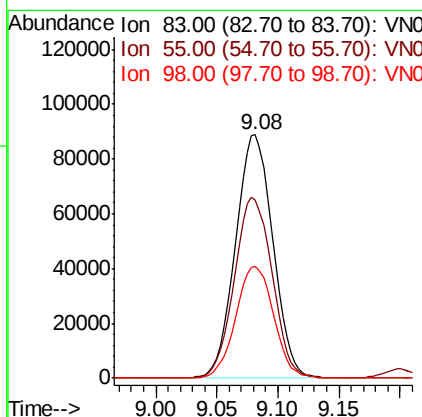
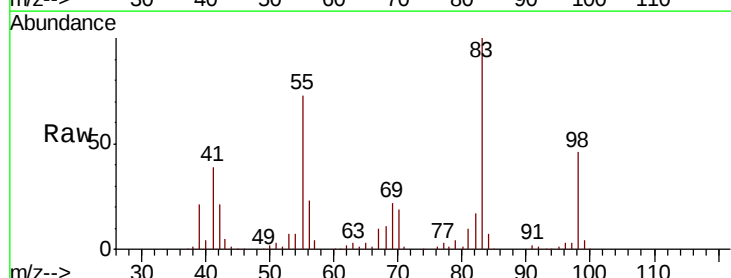
Manual Integrations
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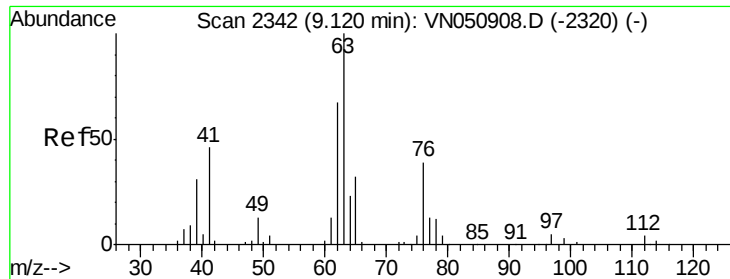
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#38
 Methylcyclohexane
 Concen: 21.27 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 83 Resp: 188743
 Ion Ratio Lower Upper
 83 100
 55 75.2 38.9 116.7
 98 46.3 22.9 68.7





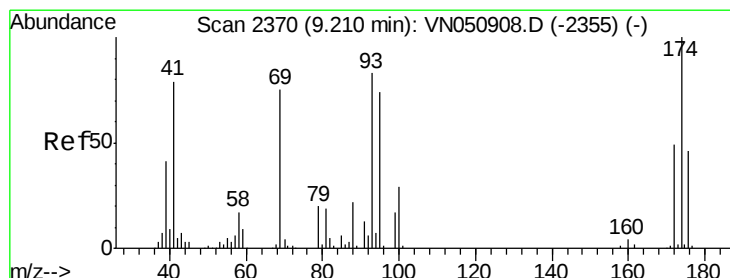
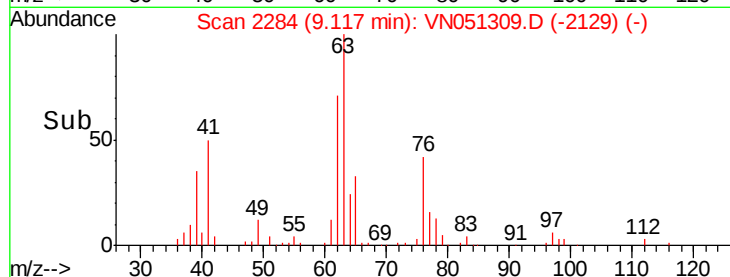
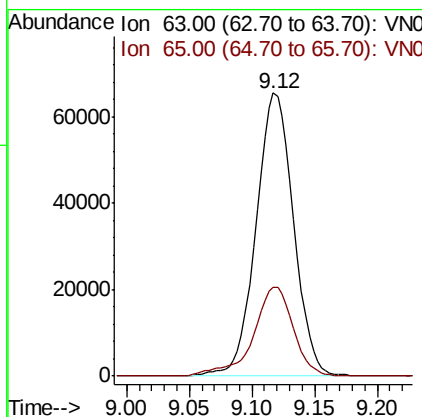
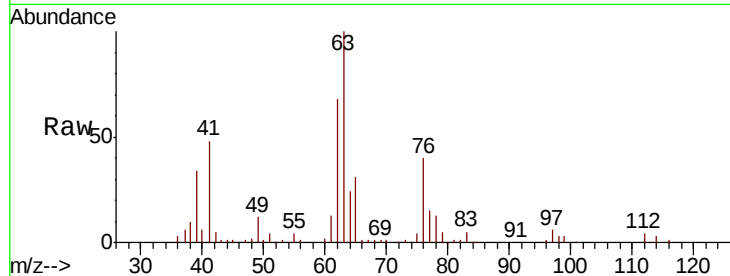
#39
 1,2-Dichloropropane
 Concen: 20.44 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.6	38.4

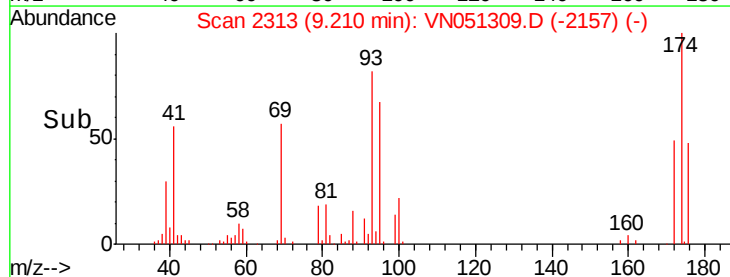
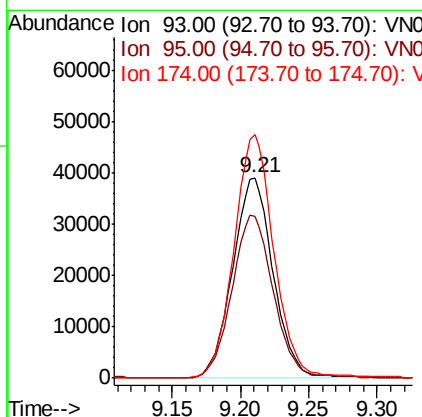
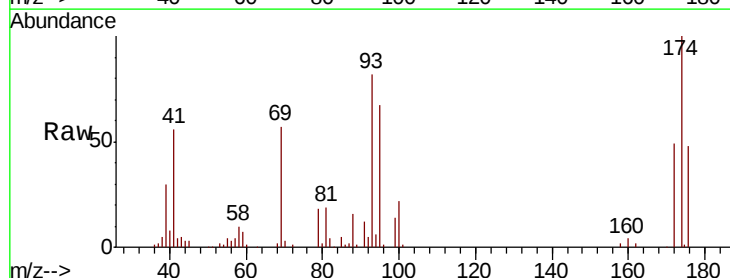
Manual Integrations
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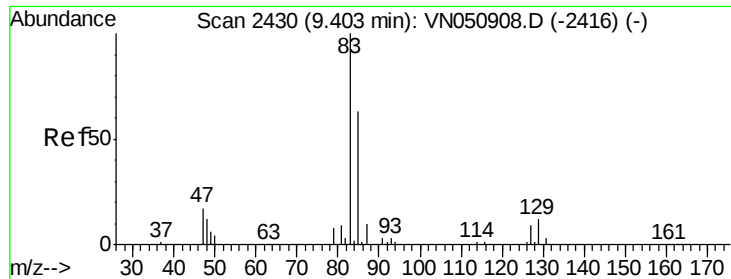
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#40
 Dibromomethane
 Concen: 20.05 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	0.0	173.4
174	119.3	0.0	234.8





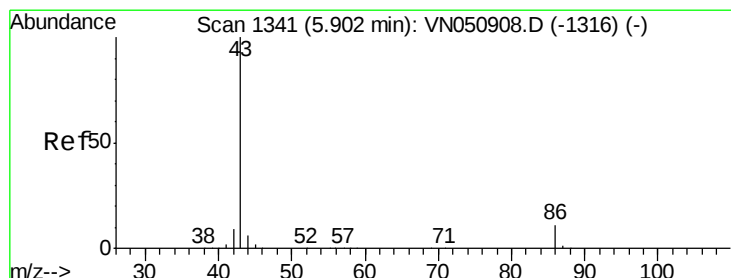
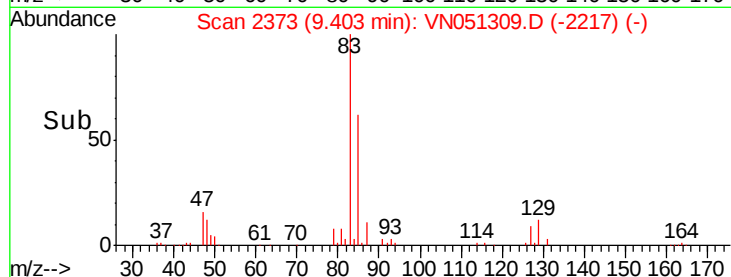
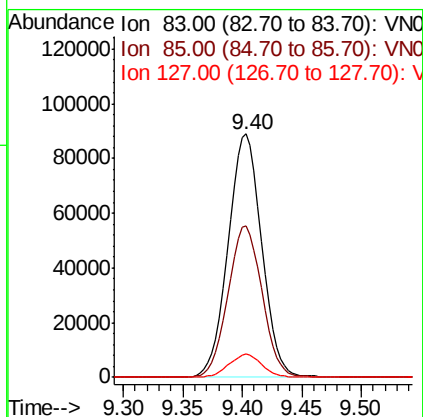
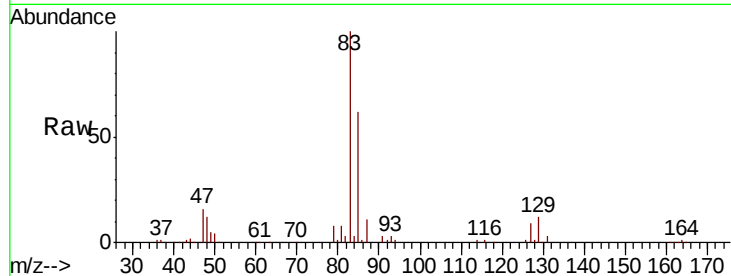
#41
Bromodichloromethane
Concen: 20.58 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	174414
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	50.6	76.0
127	9.4	7.1	10.7

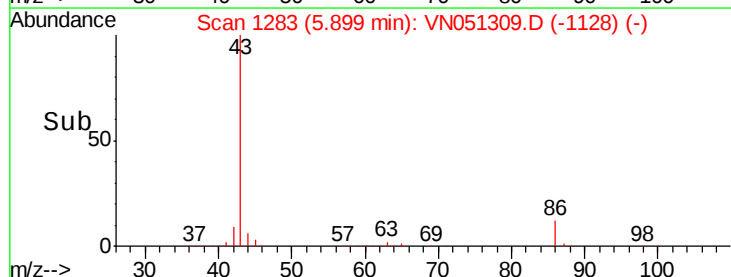
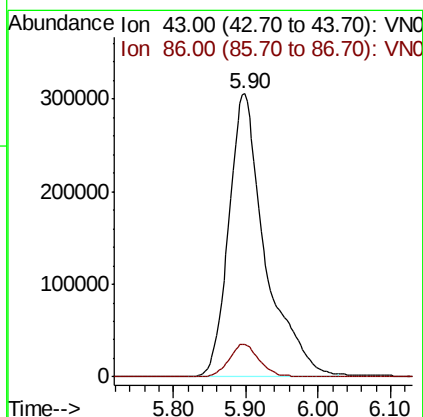
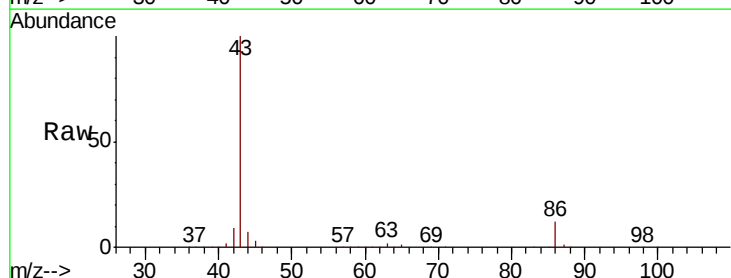
Manual Integrations
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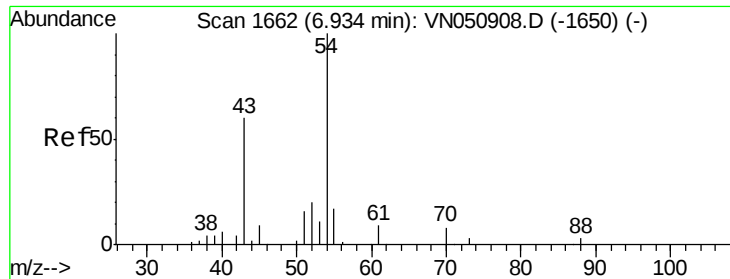
MMDadoda
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#42
Vinyl Acetate
Concen: 91.49 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	43	Resp	1070921
Ion Ratio	100	Lower	Upper
43	100		
86	9.7	7.2	10.8





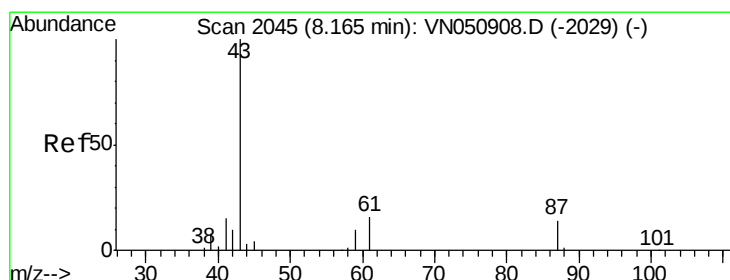
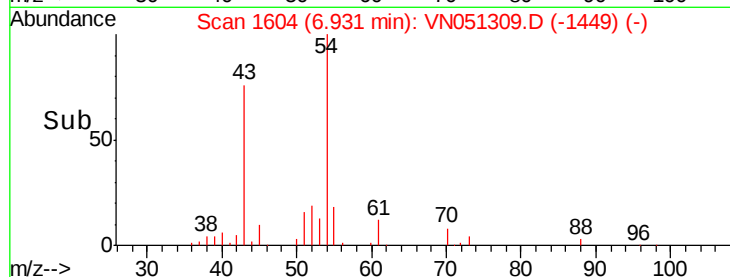
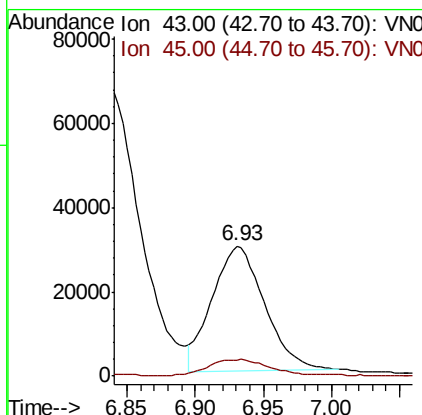
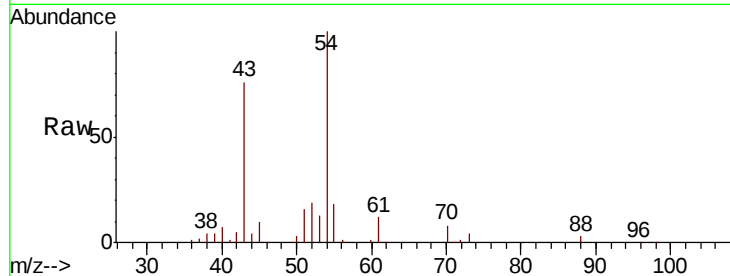
#43
Ethyl Acetate
Concen: 15.22 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 79216
Ion Ratio Lower Upper
43 100
45 6.2 10.2 15.2#

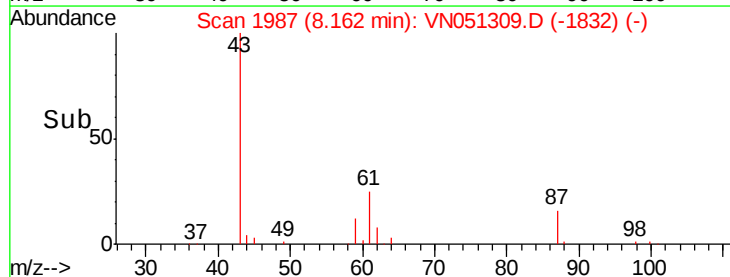
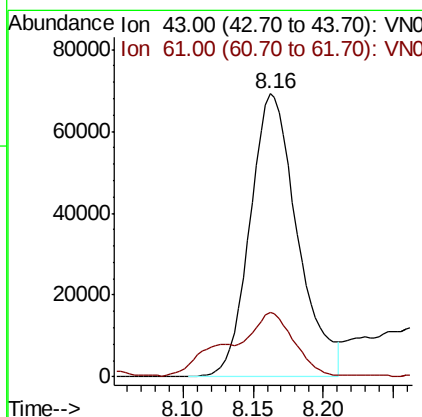
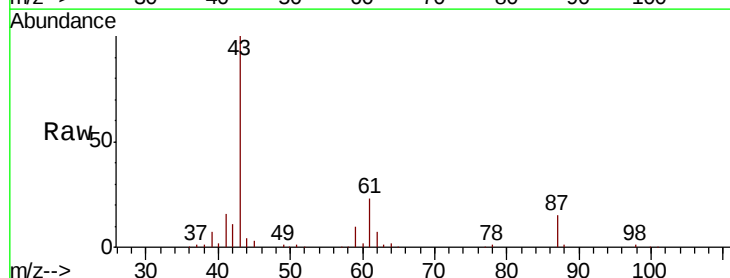
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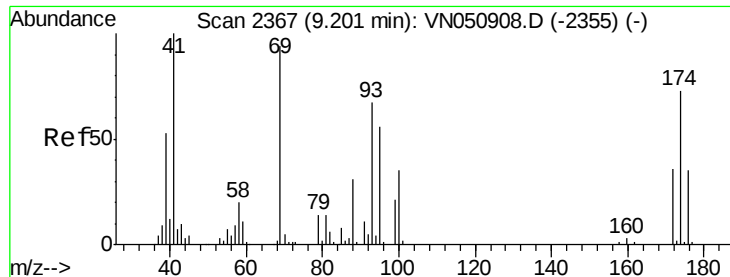
MMDadoda
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#44
Isopropyl Acetate
Concen: 17.71 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 43 Resp: 162718
Ion Ratio Lower Upper
43 100
61 20.3 16.3 24.5





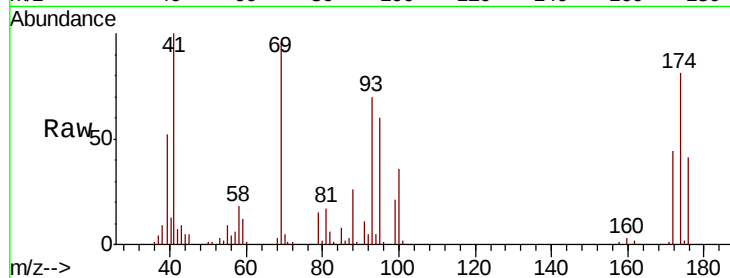
#45
 1,4-Dioxane
 Concen: 316.61 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.5	35.3
58	65.0	55.2	82.8

Manual Integrations
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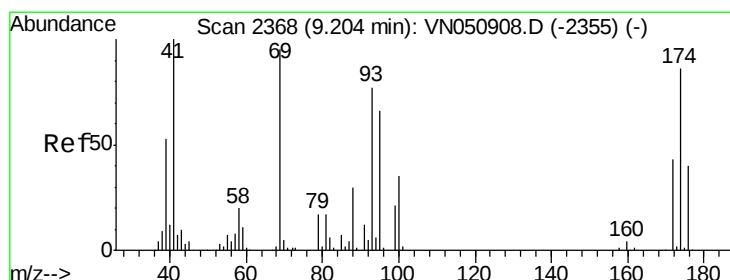
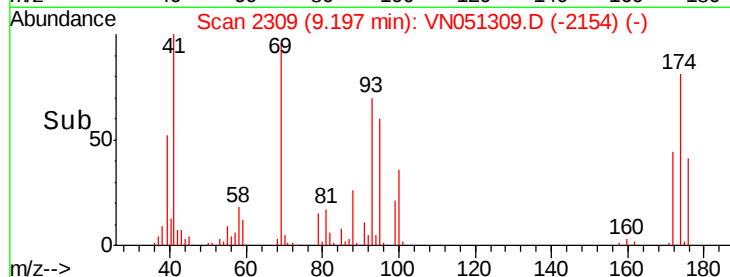
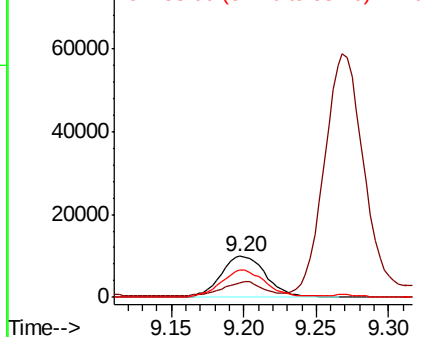


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 15.35 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

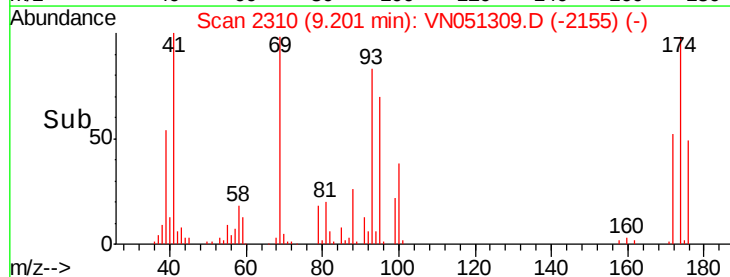
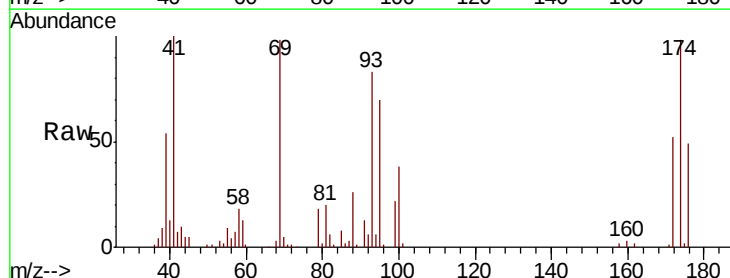
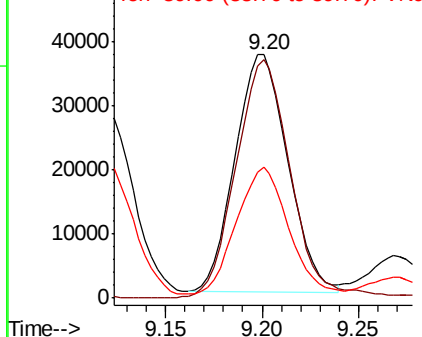
Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.7	47.4	142.2
39	53.5	26.6	79.7

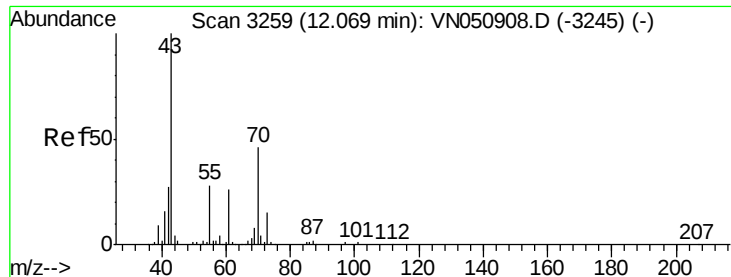
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





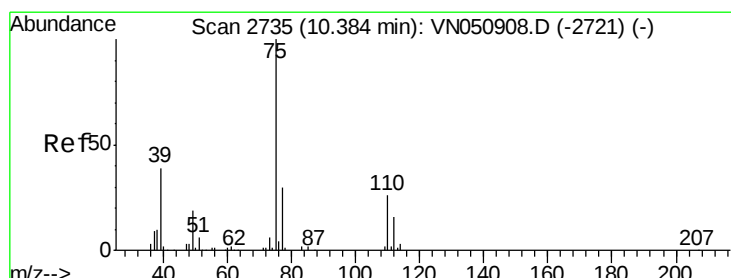
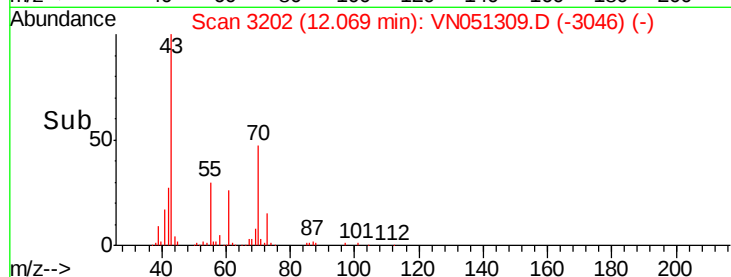
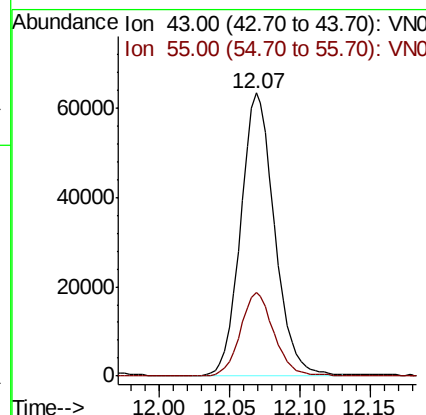
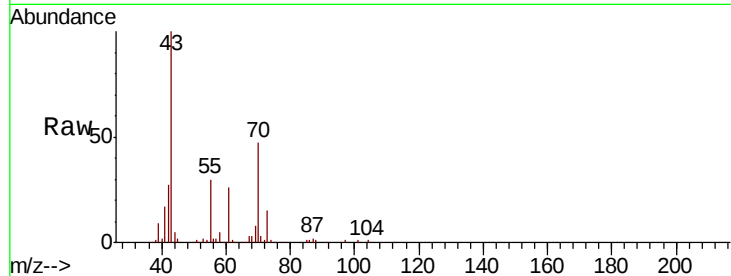
#47
n-amyl Acetate
Concen: 14.34 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 105870
Ion Ratio Lower Upper
43 100
55 29.2 23.0 34.4

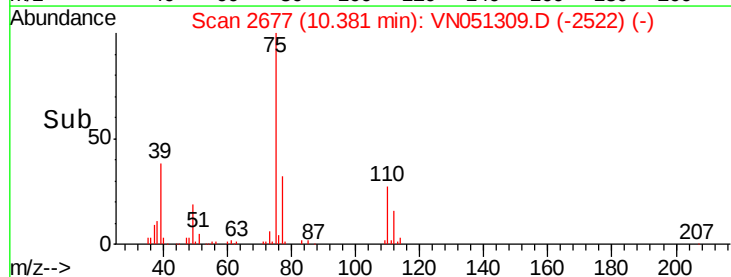
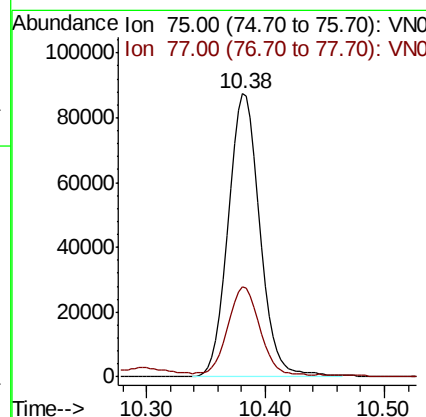
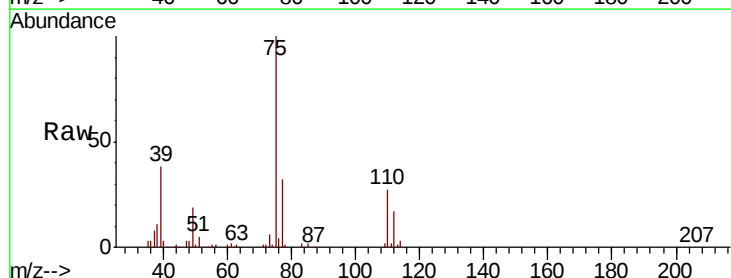
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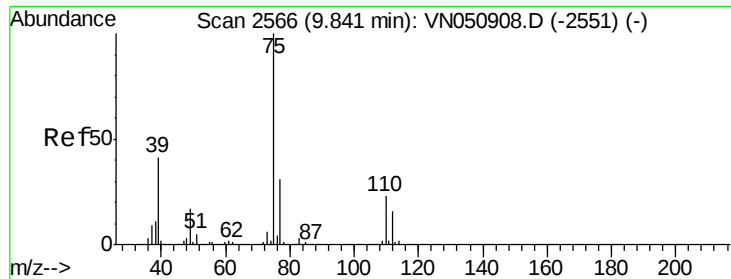
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#48
t-1,3-Dichloropropene
Concen: 19.46 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 75 Resp: 161668
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2





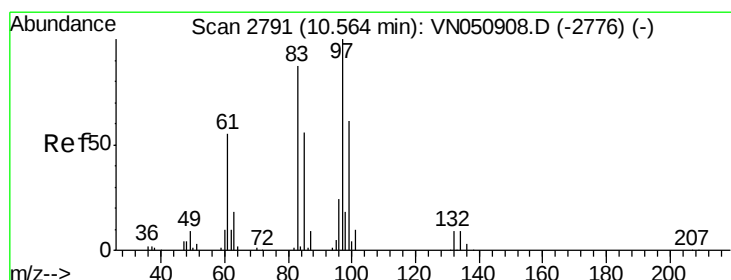
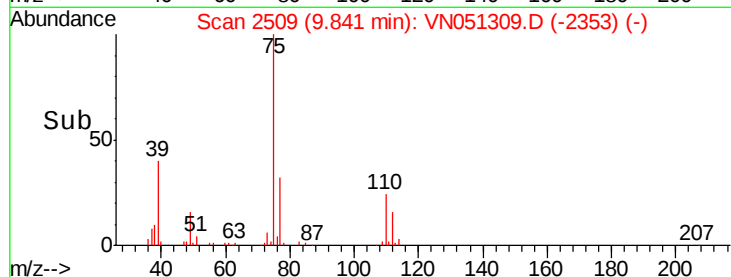
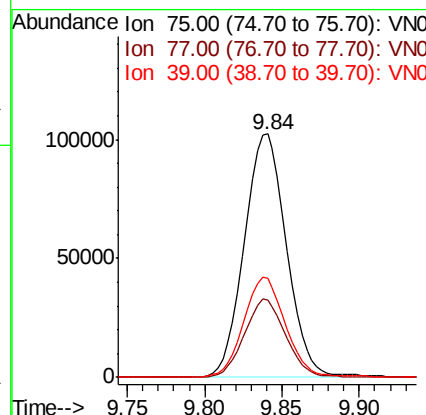
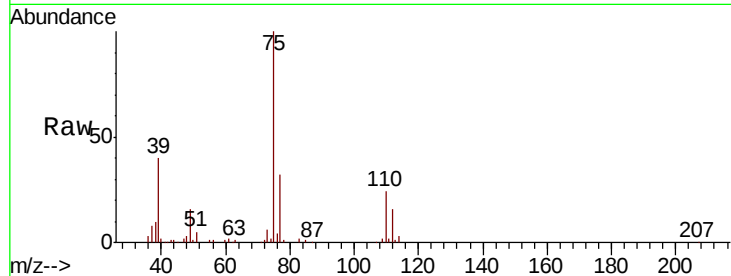
#49
 cis-1,3-Dichloropropene
 Concen: 20.31 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	40.3	32.9	49.3

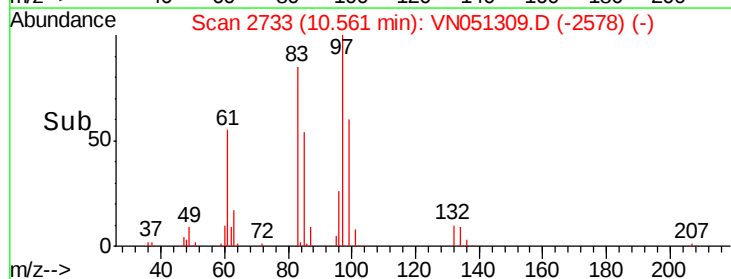
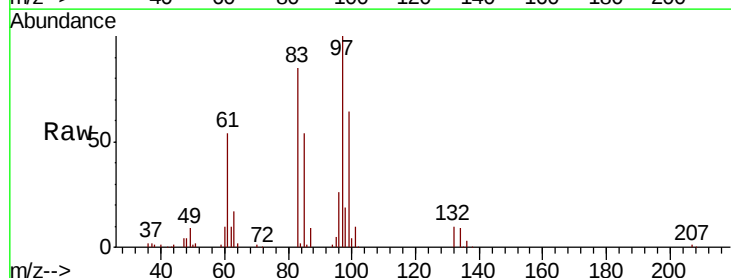
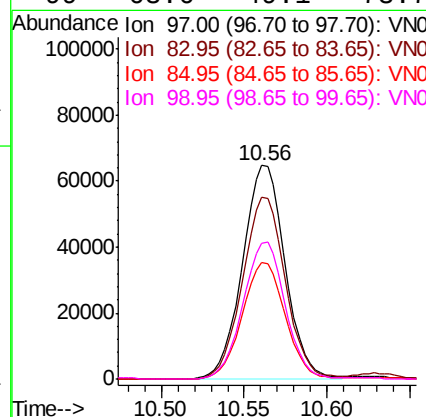
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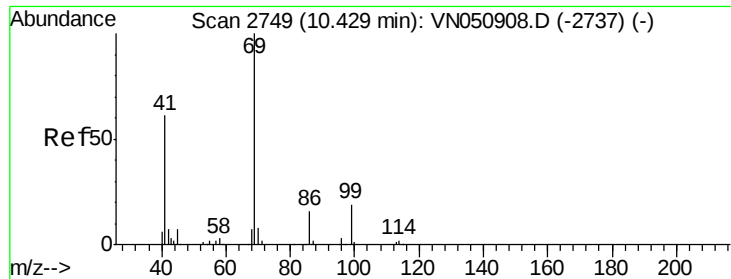
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#50
 1,1,2-Trichloroethane
 Concen: 19.80 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.8	104.6
85	54.4	45.0	67.6
99	63.6	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.39 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

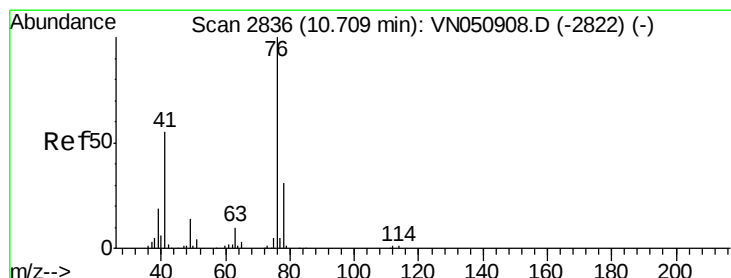
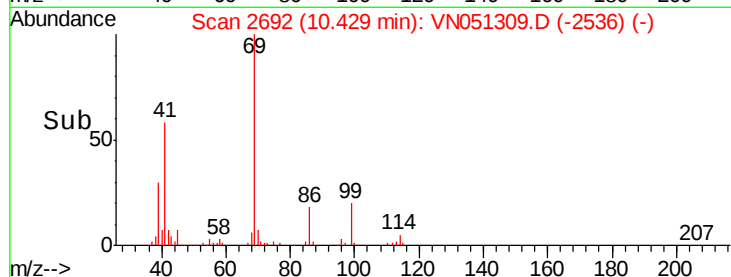
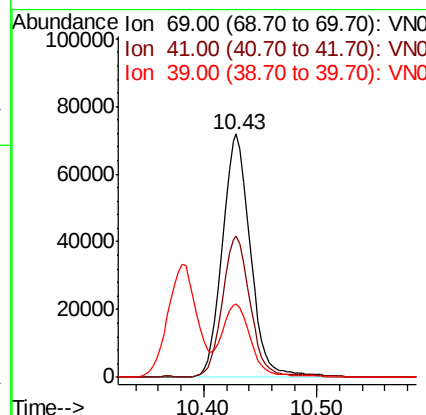
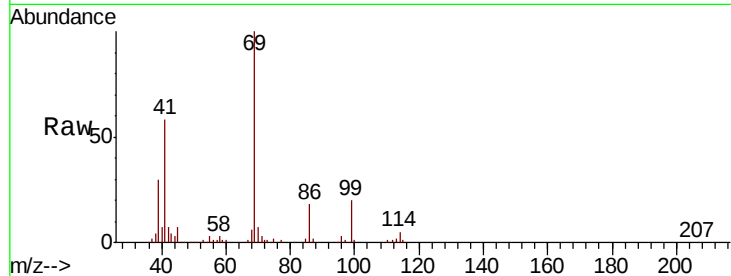
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	124298
Ion	Ratio	Lower	Upper
69	100		
41	57.7	30.5	91.5
39	29.7	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.14 ug/l

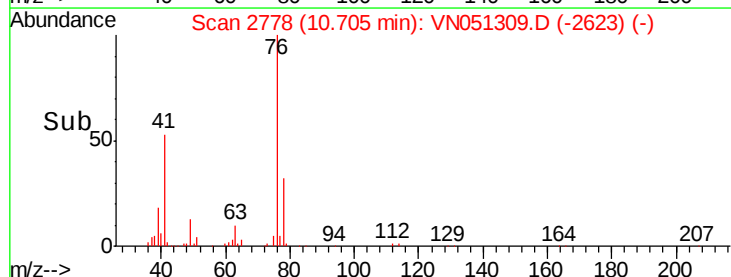
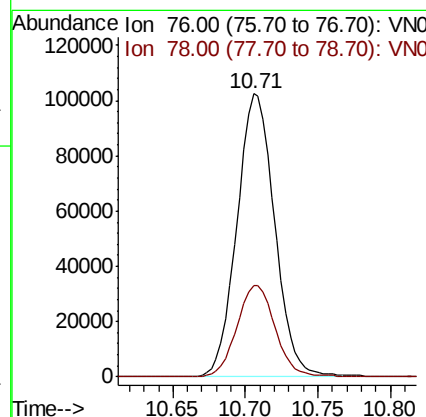
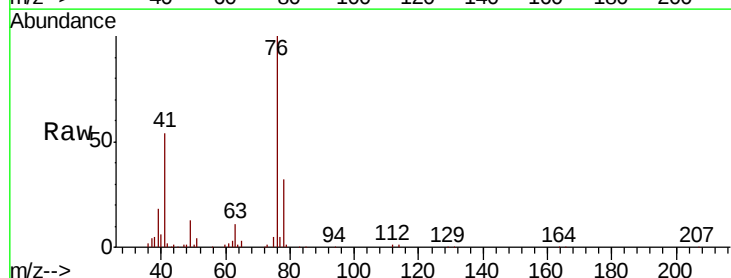
RT: 10.71 min Scan# 2778

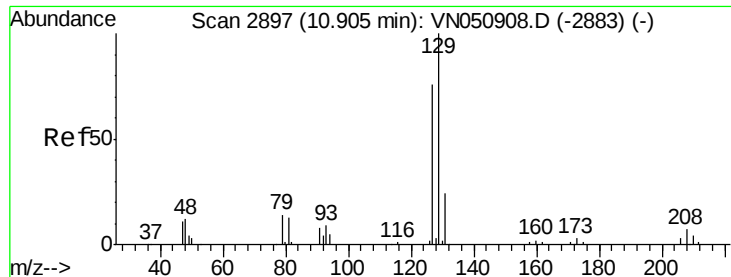
Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion:	76	Resp:	185223
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





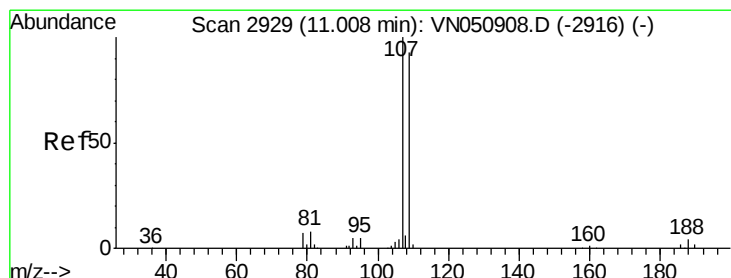
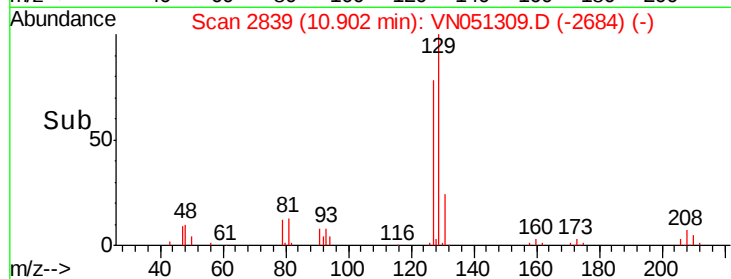
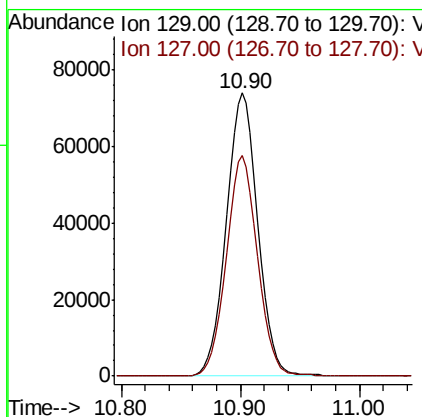
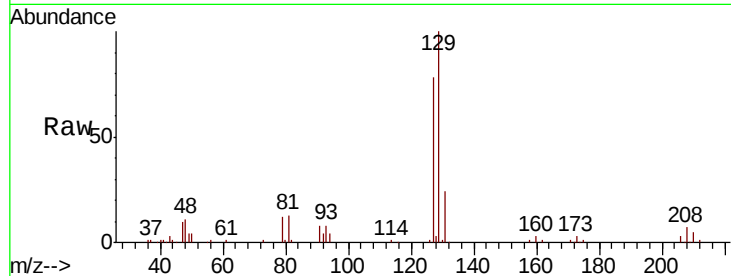
#53
 Dibromochloromethane
 Concen: 20.40 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.0	116.9

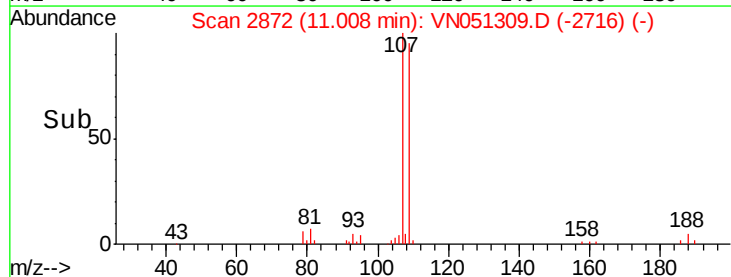
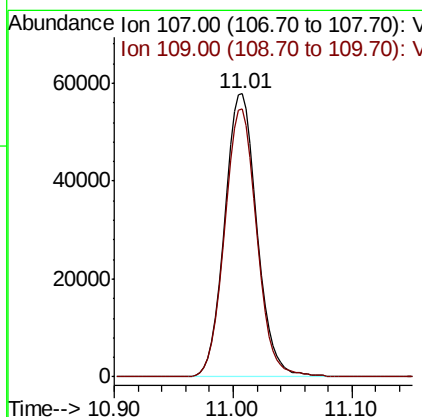
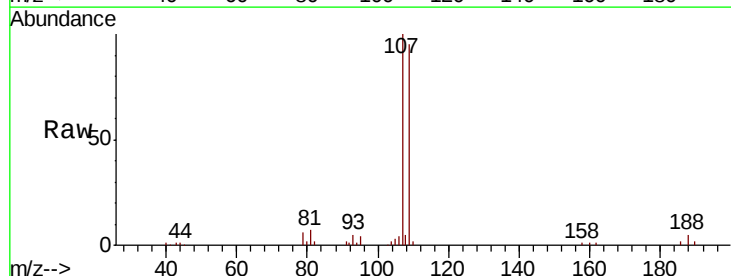
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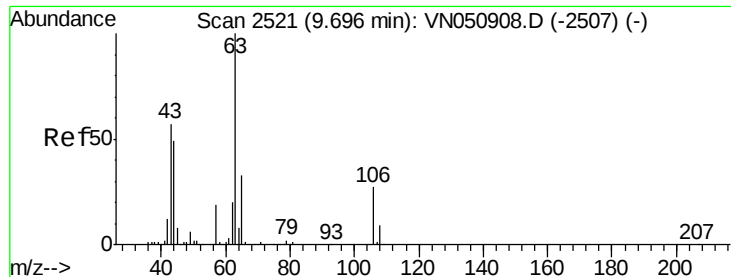
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#54
 1,2-Dibromoethane
 Concen: 18.89 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.4	111.6





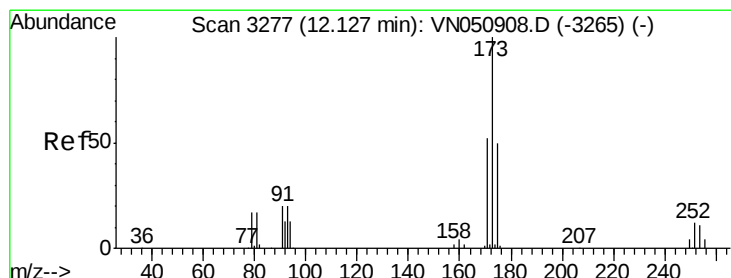
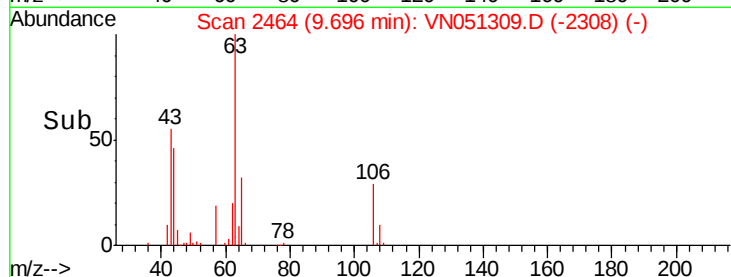
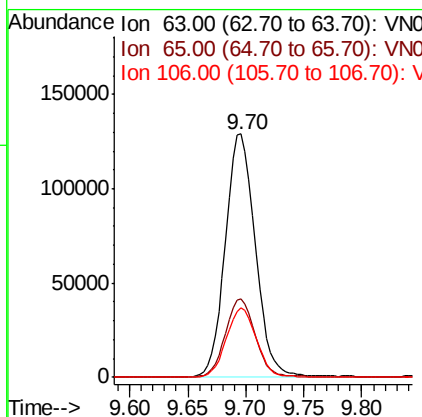
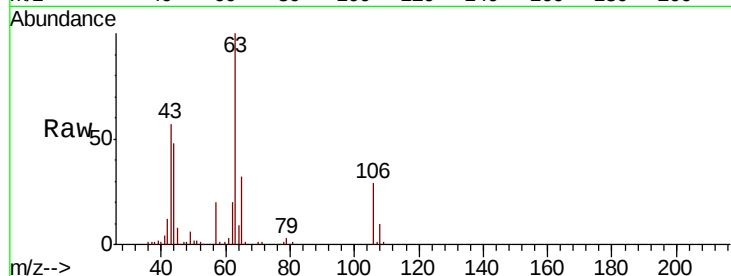
#55
2-Chloroethyl vinyl ether
Concen: 77.96 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	28.5	22.0	33.0

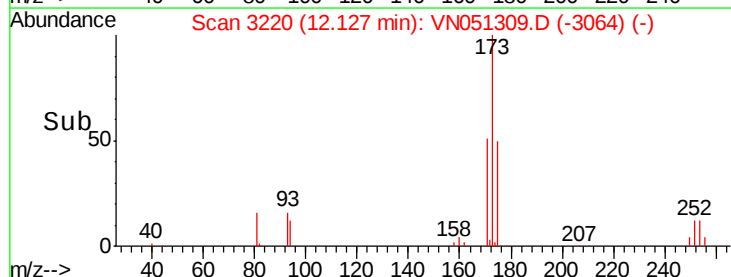
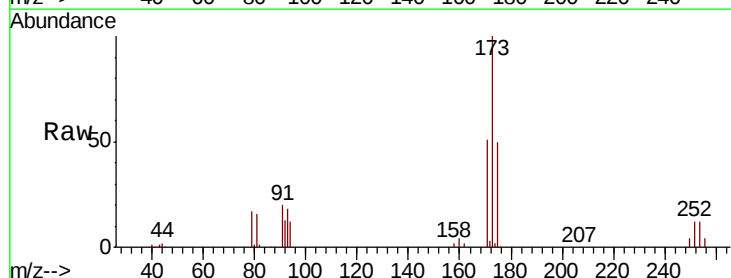
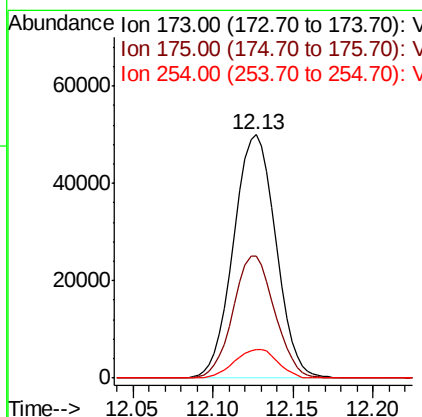
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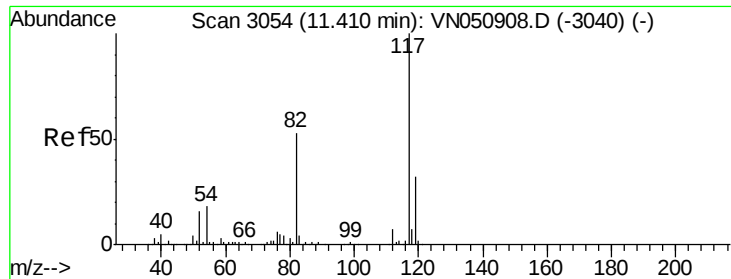
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#56
Bromoform
Concen: 19.16 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.2	58.8
254	12.0	9.0	13.6





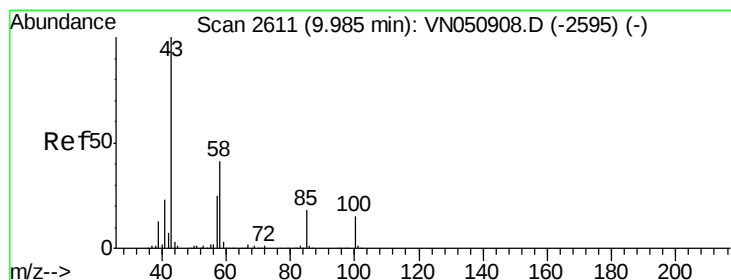
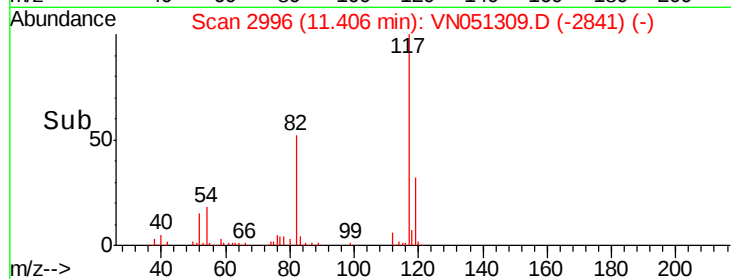
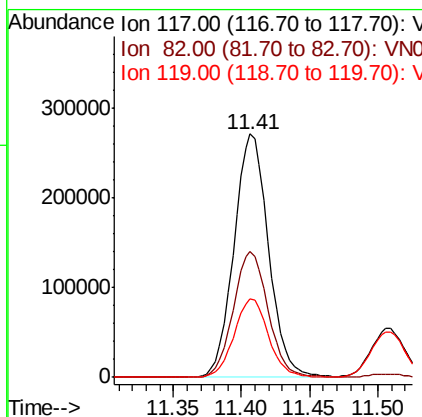
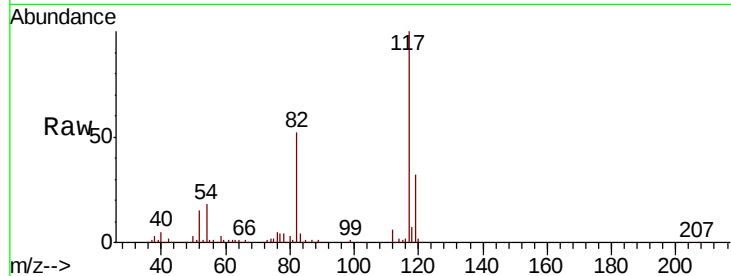
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.6	64.0
119	32.1	25.7	38.5

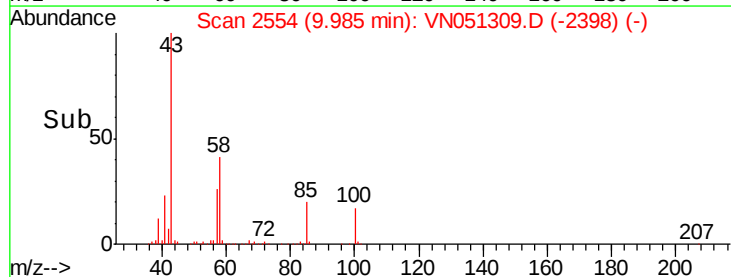
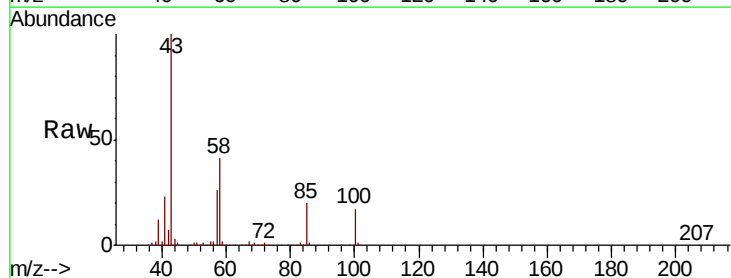
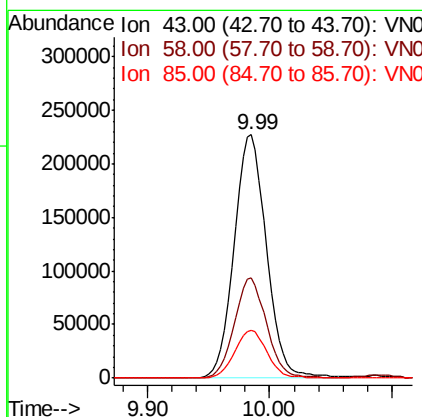
Manual Integrations
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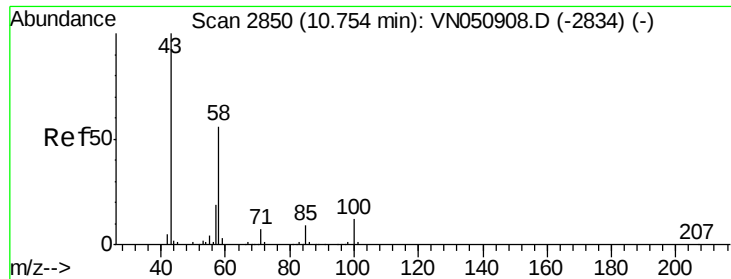
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 76.15 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.3	48.5
85	19.8	14.9	22.3





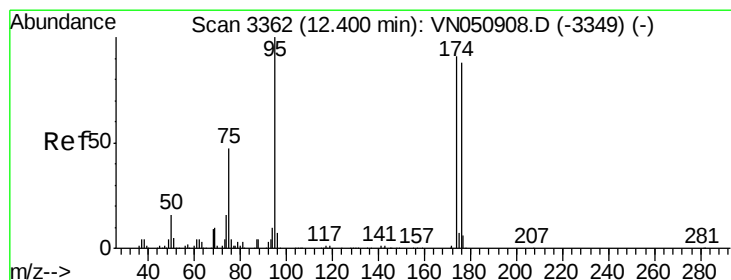
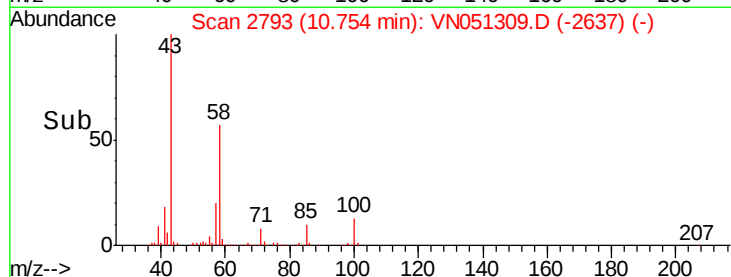
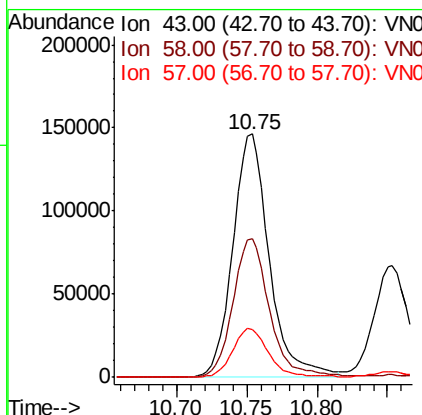
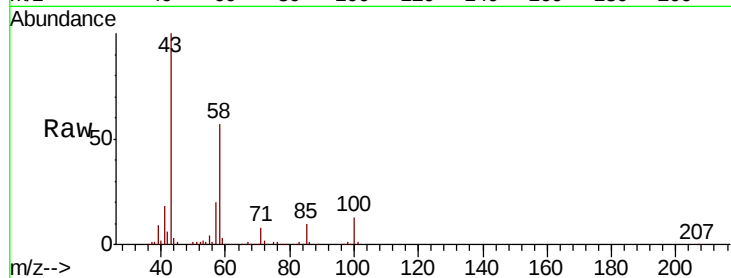
#59
2-Hexanone
Concen: 73.67 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.5	68.3
57	20.1	15.2	22.8

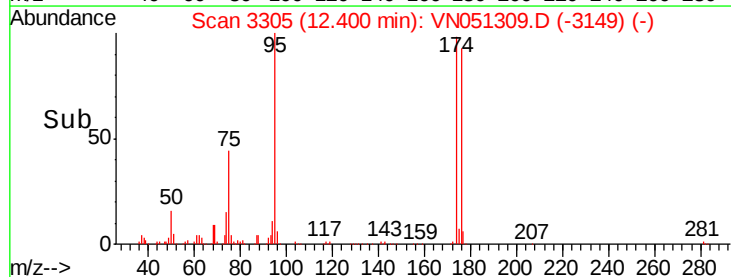
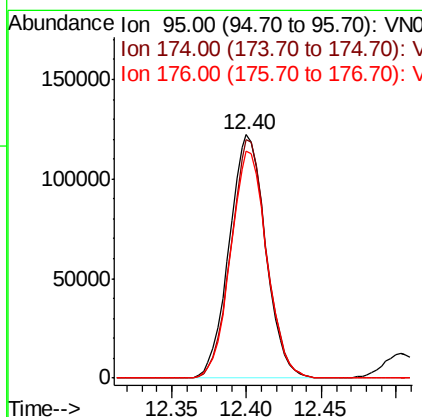
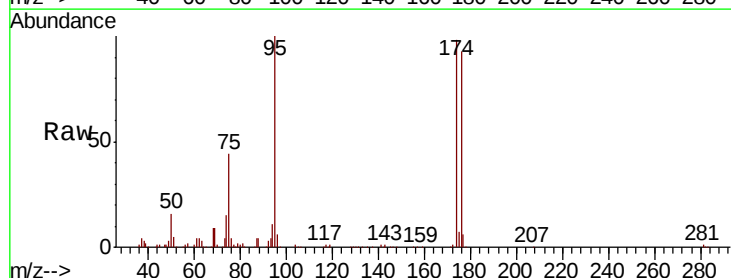
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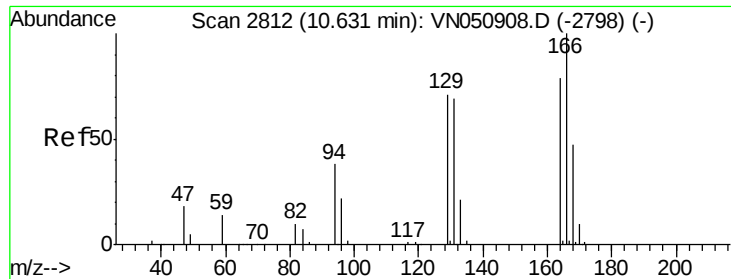
MMDadoda
9/20/2018 1:42:06 PM



#60
4-Bromofluorobenzene
Concen: 29.11 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	74.6	112.0
176	92.6	71.5	107.3





#61

Tetrachloroethene

Concen: 22.80 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

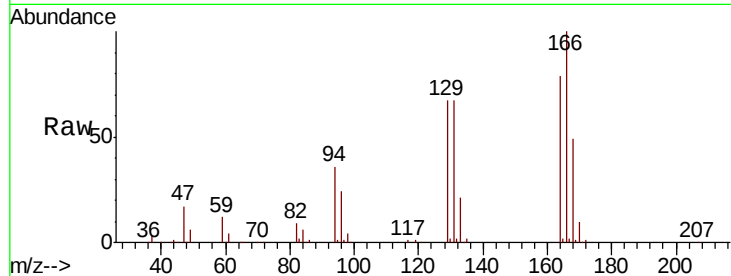
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.6	151.0
129	85.7	71.0	106.6
131	85.6	69.3	103.9

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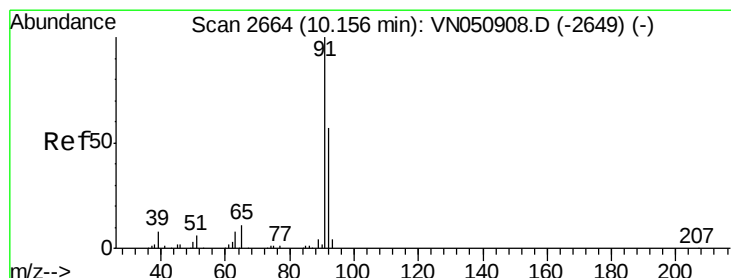
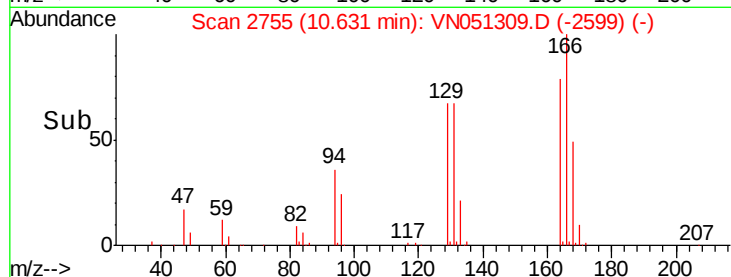
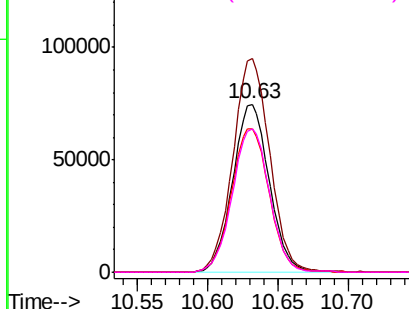
Abundance

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: 21.60 ug/l

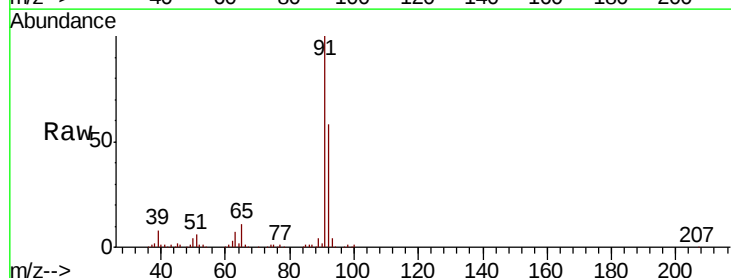
RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

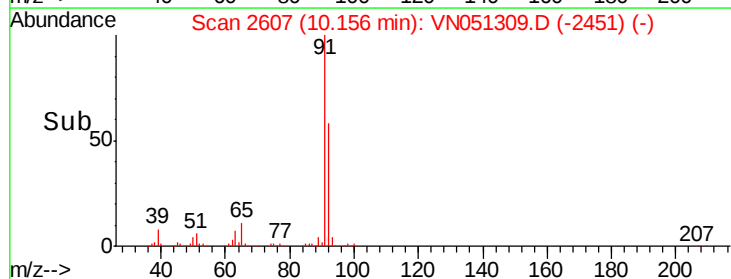
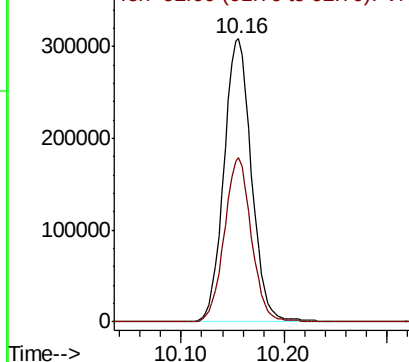
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.8	68.8

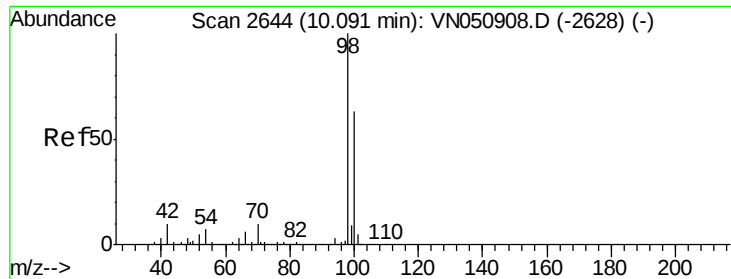


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.63 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 681488

Ion Ratio Lower Upper

98 100

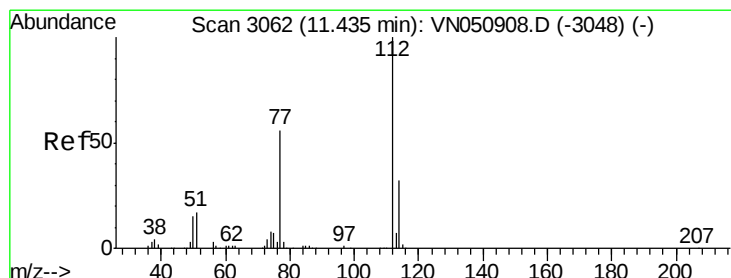
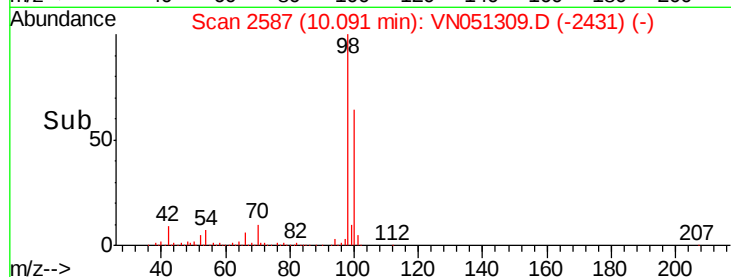
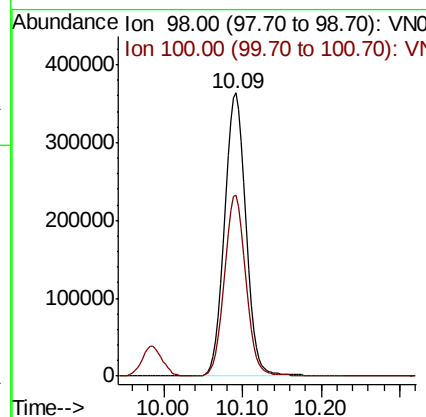
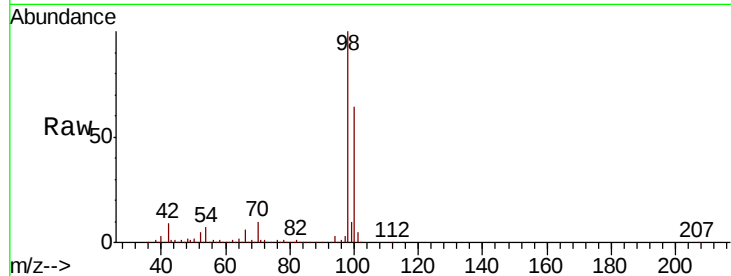
100 63.2 50.6 75.8

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#64

Chlorobenzene

Concen: 21.64 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051309.D

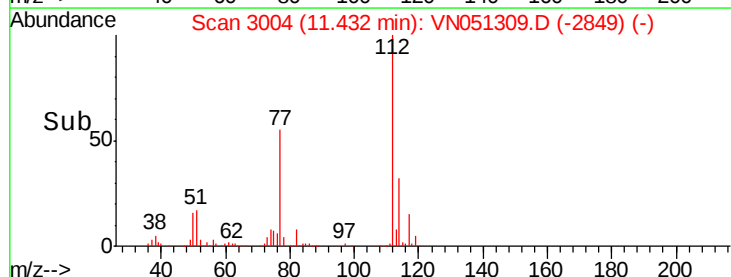
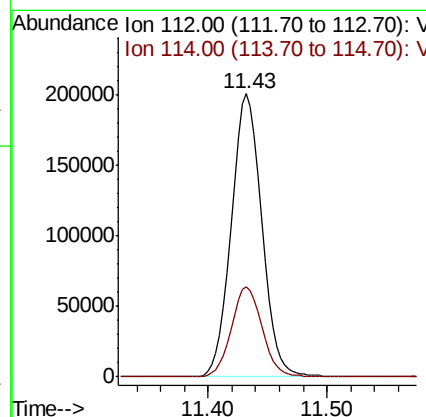
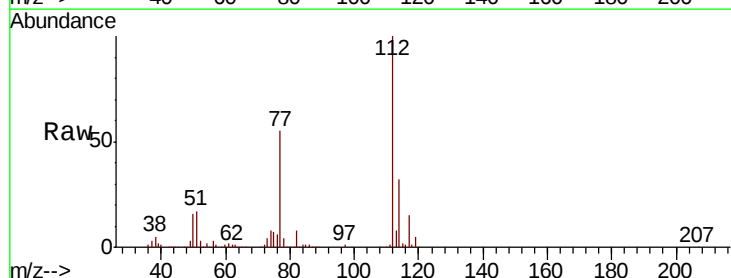
Acq: 19 Sep 2018 10:29

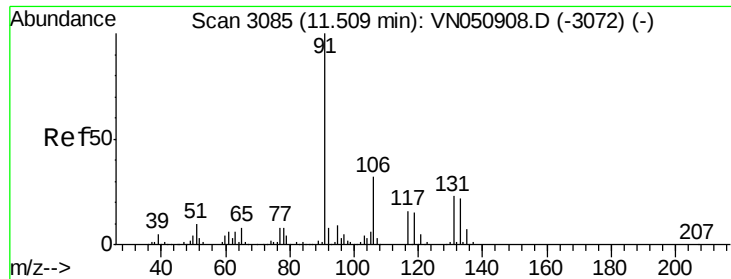
Tgt Ion: 112 Resp: 356981

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.36 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

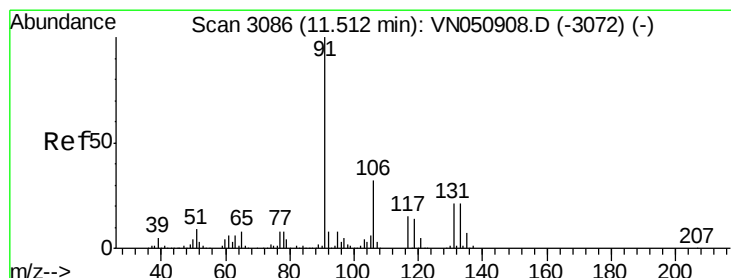
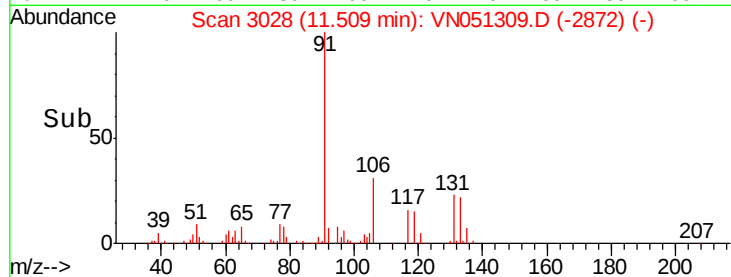
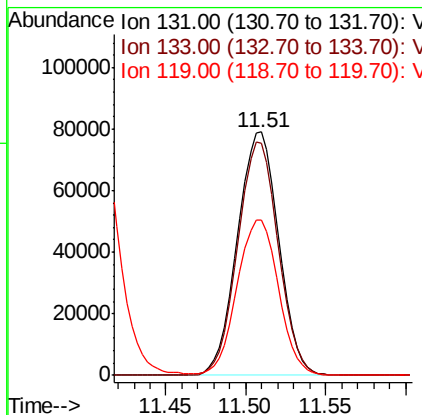
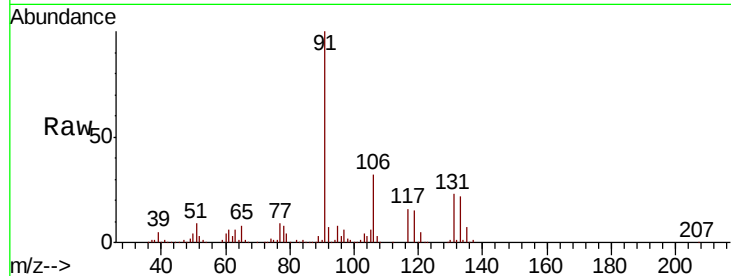
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	139263
Ion Ratio	Lower	Upper	
131	100		
133	94.4	0.0	189.4
119	64.4	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.01 ug/l

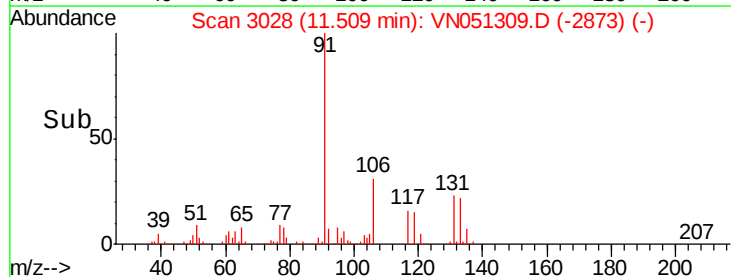
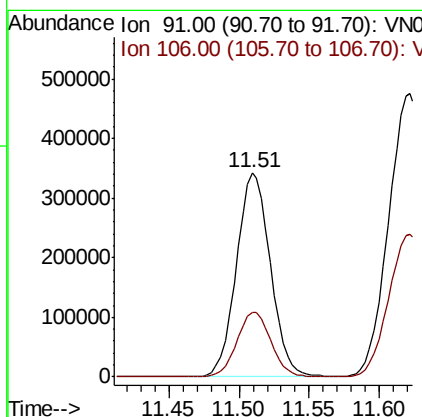
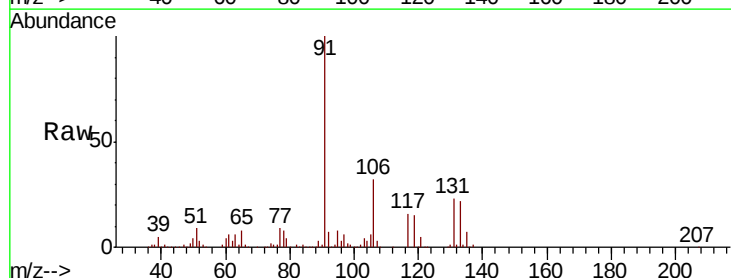
RT: 11.51 min Scan# 3028

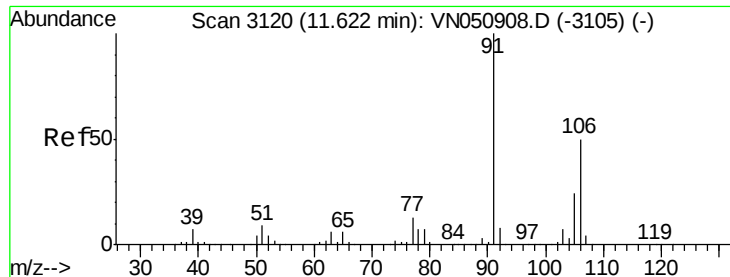
Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion:	91	Resp:	579074
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.7	38.5





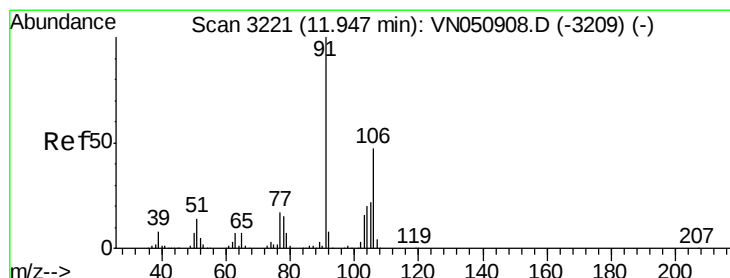
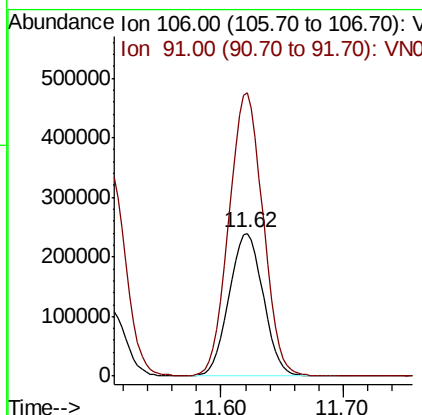
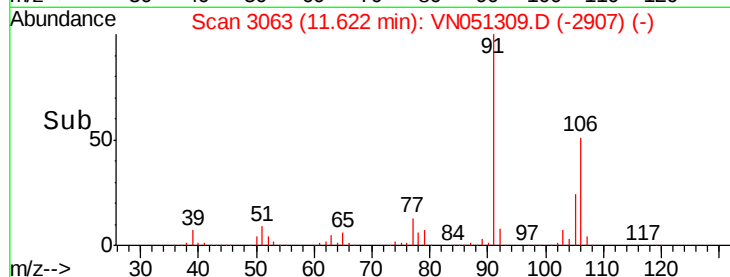
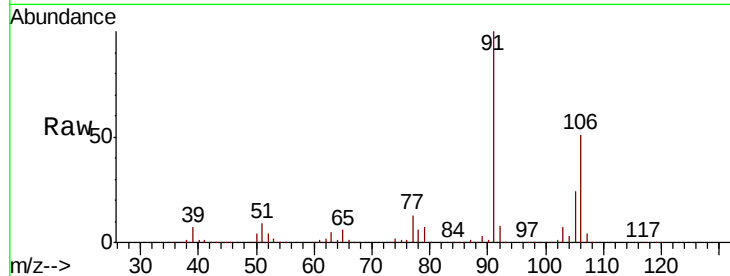
#67
m/p-Xylenes
Concen: 44.10 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 467726
Ion Ratio Lower Upper
106 100
91 197.6 160.6 241.0

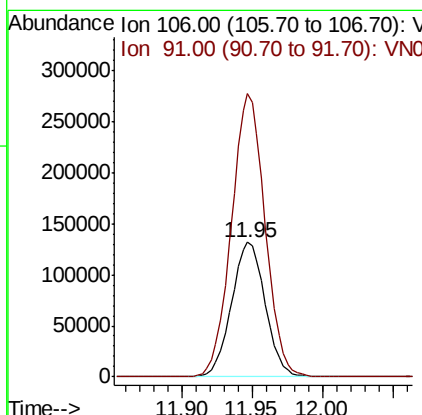
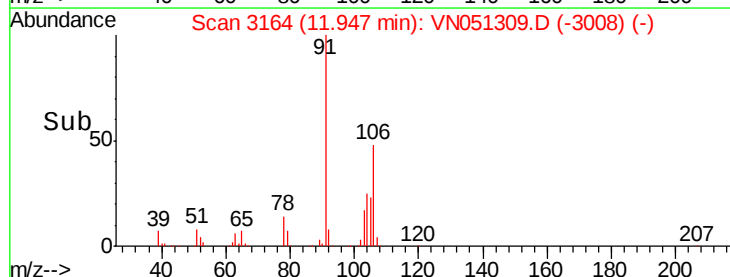
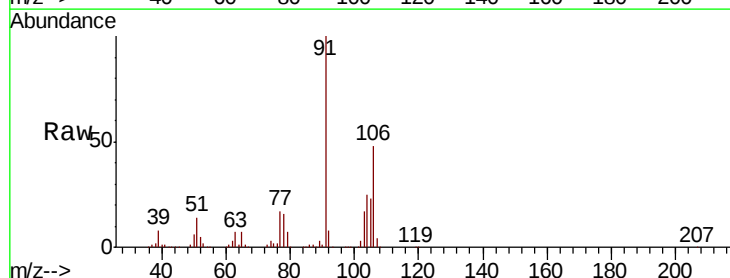
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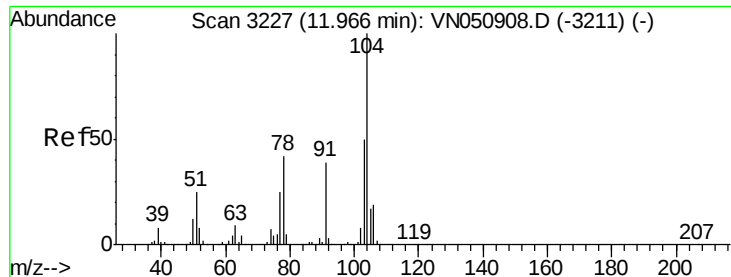
MMDadoda
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#68
o-Xylene
Concen: 21.74 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:106 Resp: 220339
Ion Ratio Lower Upper
106 100
91 209.6 106.4 319.2





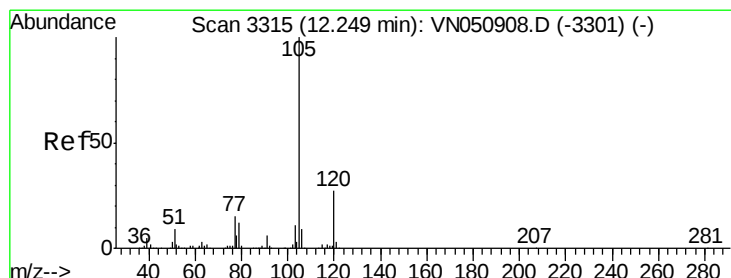
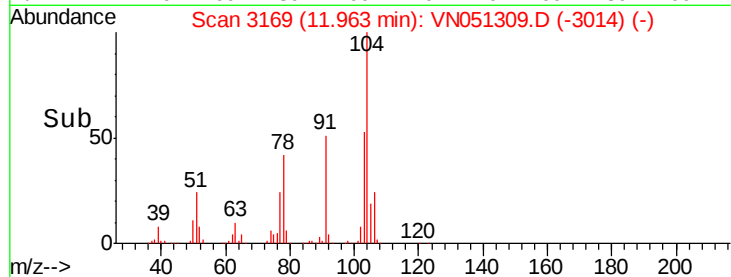
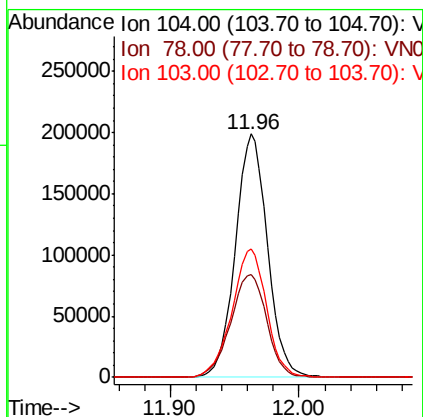
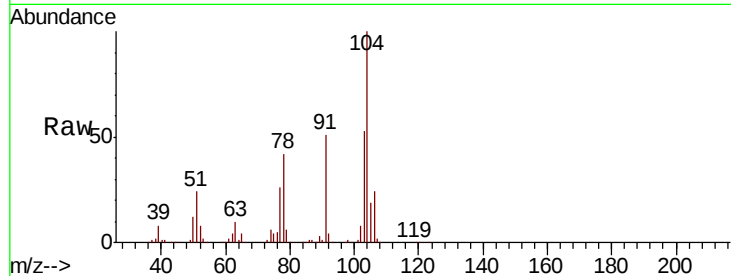
#69
Stvrene
Concen: 21.34 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	343942		
78	47.5	38.6	58.0	
103	56.8	45.4	68.2	

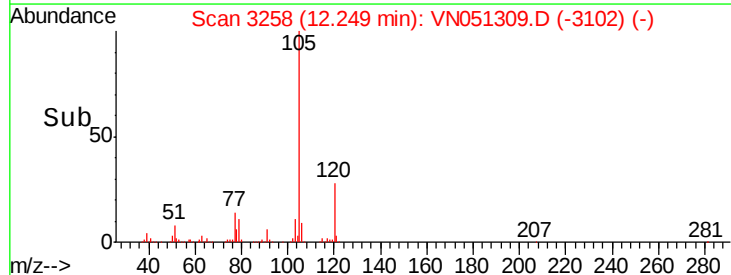
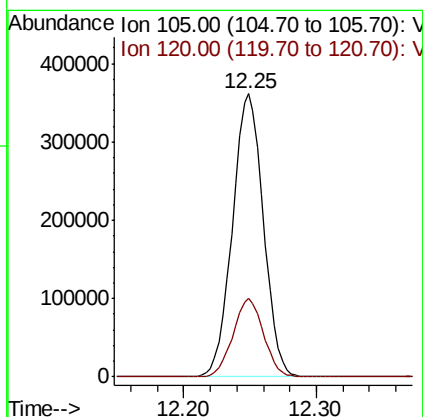
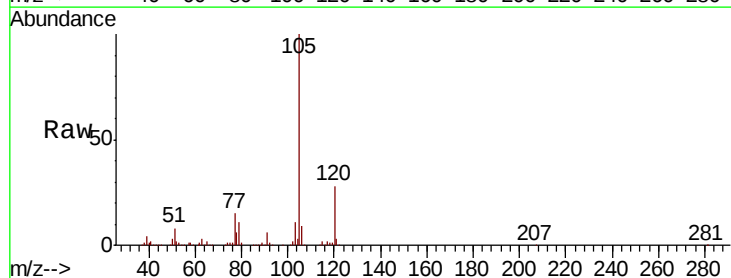
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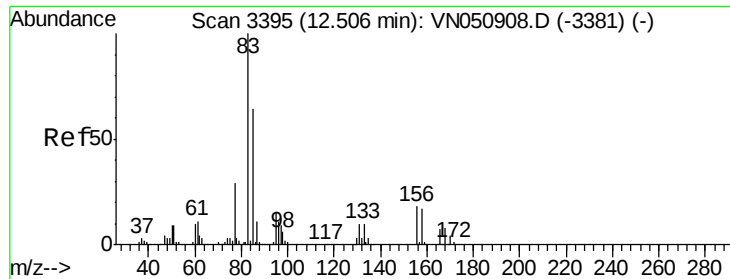
MMDadoda
9/20/2018 1:42:06 PM



#70
Isopropylbenzene
Concen: 21.67 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	583480		
120	27.4	18.6	34.6	





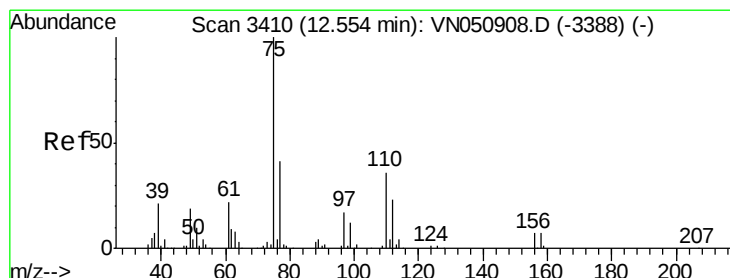
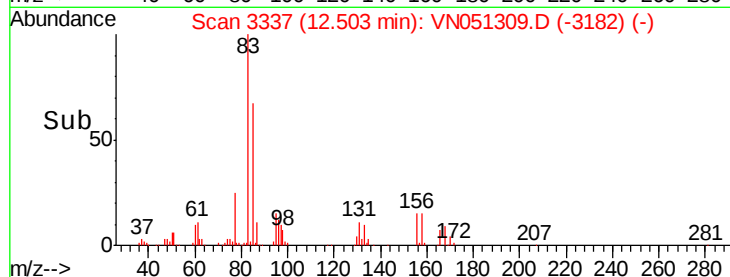
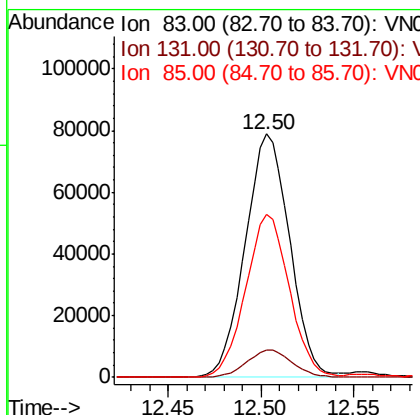
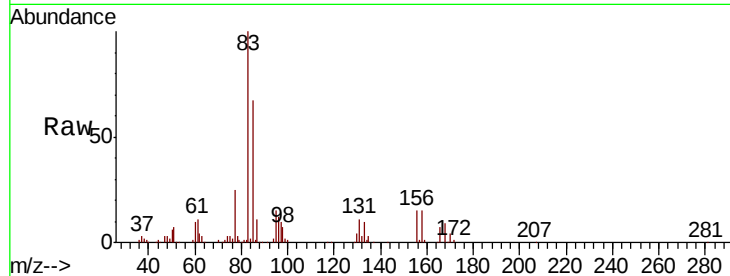
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.00 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.3	15.9
85	65.8	32.3	96.9

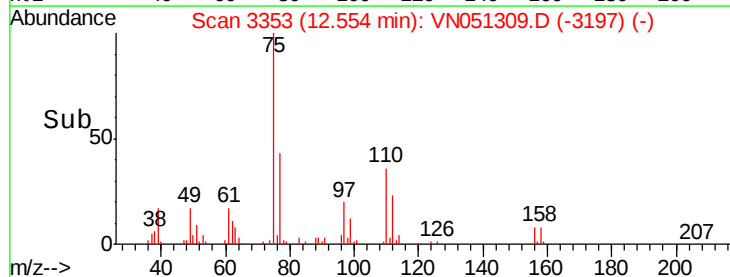
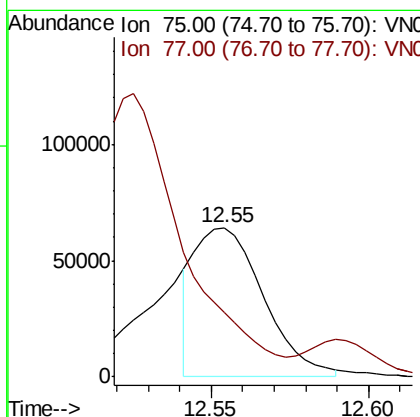
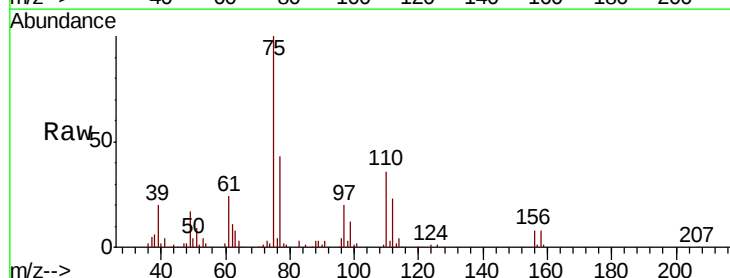
Manual Integrations
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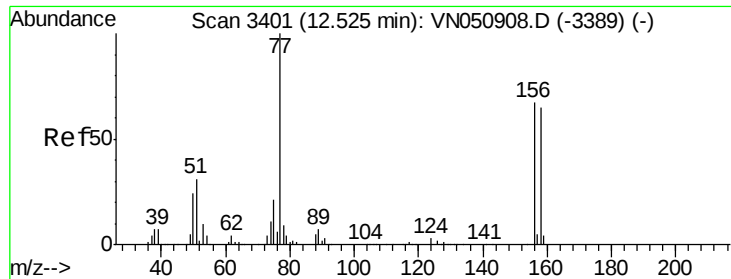
MMDadoda
 9/20/2018 1:42:06 PM



#72
 1,2,3-Trichloropropane
 Concen: 15.36 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	256.2	0.0	301.6





#73

Bromobenzene

Concen: 21.00 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

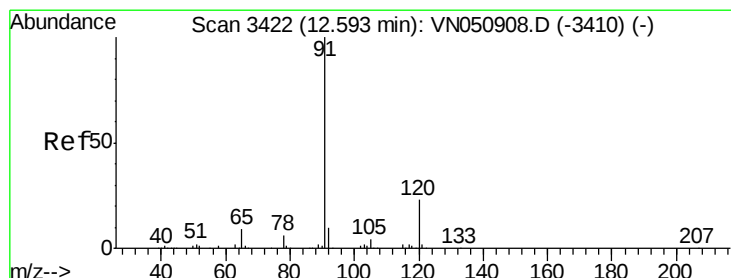
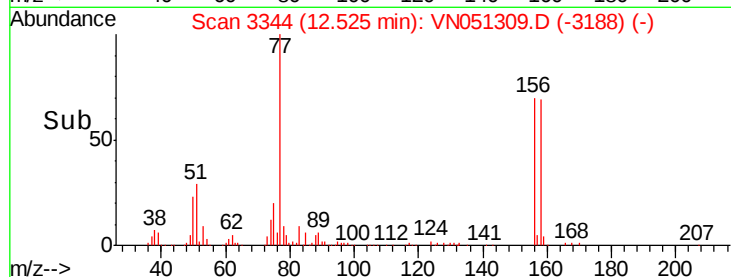
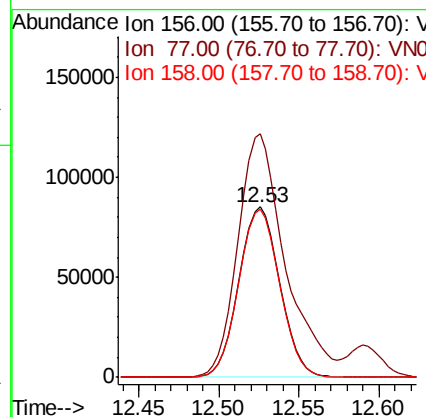
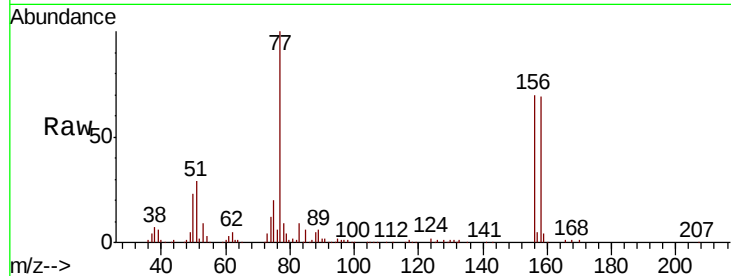
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	166.4	0.0	359.4		
158	98.7	0.0	194.6		

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#74

n-propylbenzene

Concen: 21.01 ug/l

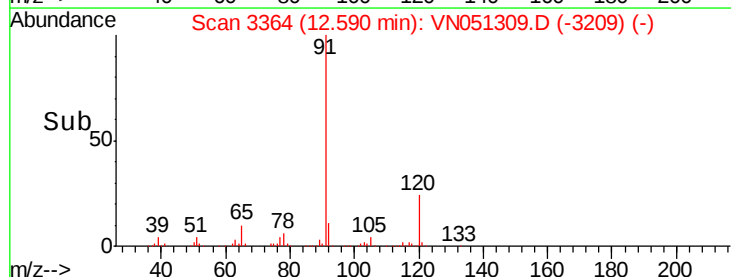
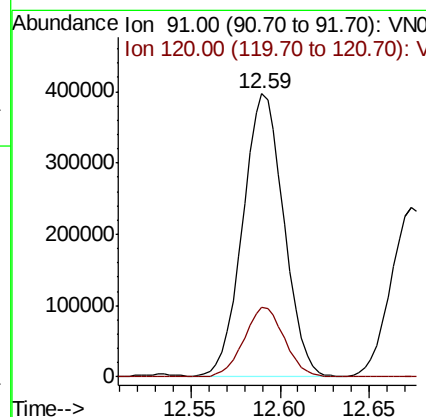
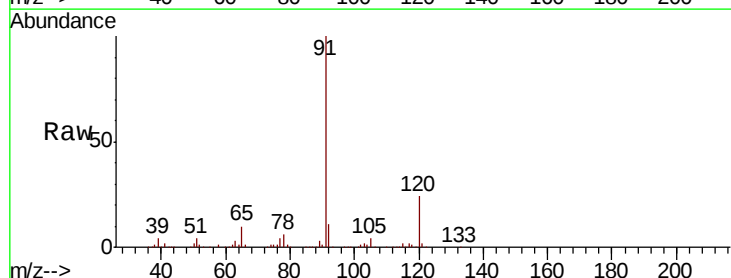
RT: 12.59 min Scan# 3364

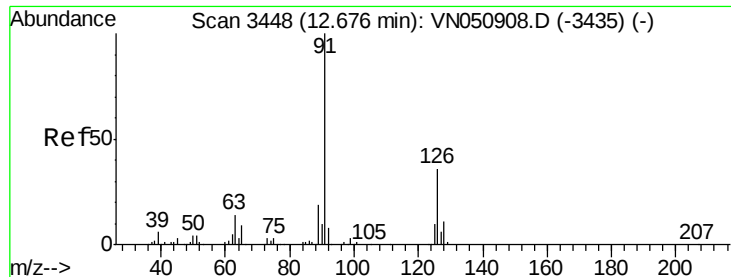
Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	24.1	0.0	46.0		





#75

2-Chlorotoluene

Concen: 21.35 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 394885

Ion Ratio Lower Upper

91 100

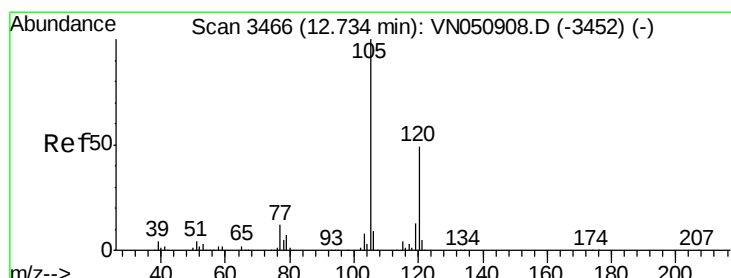
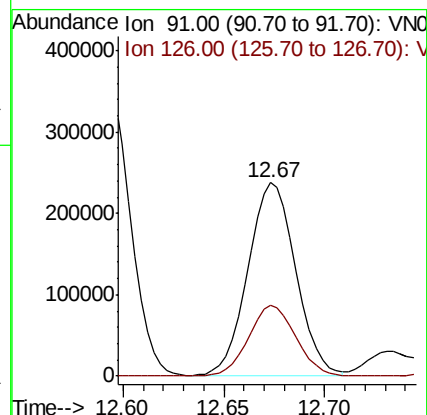
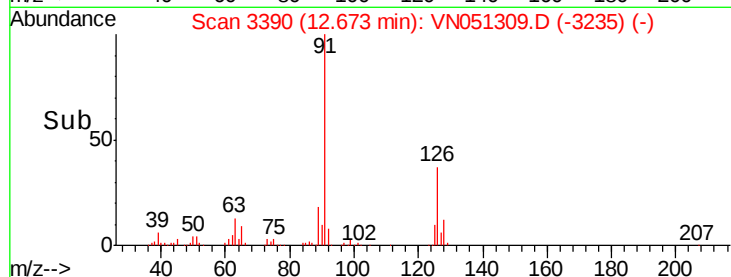
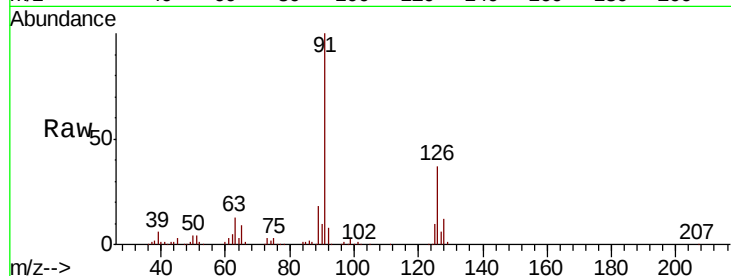
126 36.2 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 22.13 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051309.D

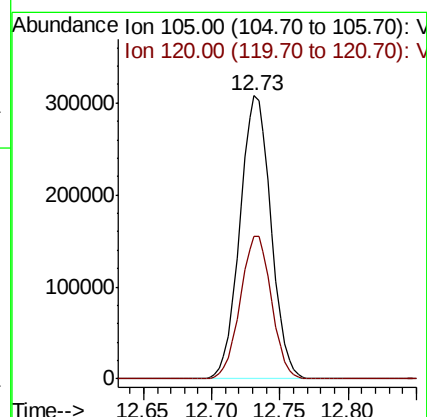
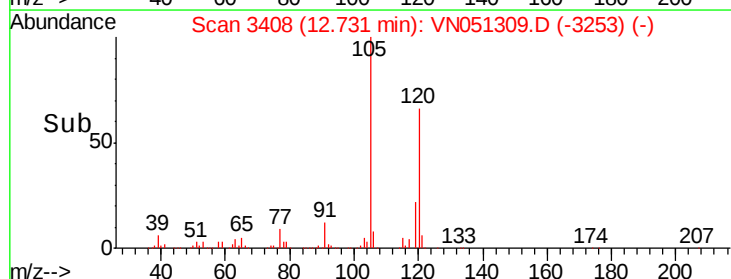
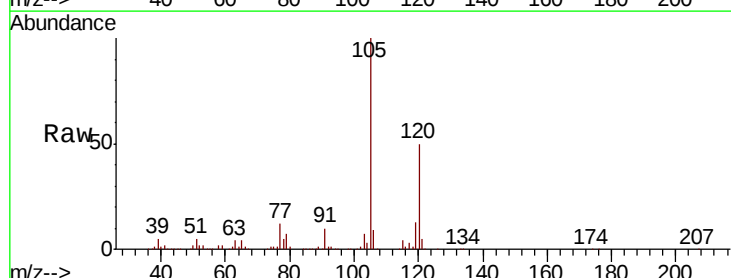
Acq: 19 Sep 2018 10:29

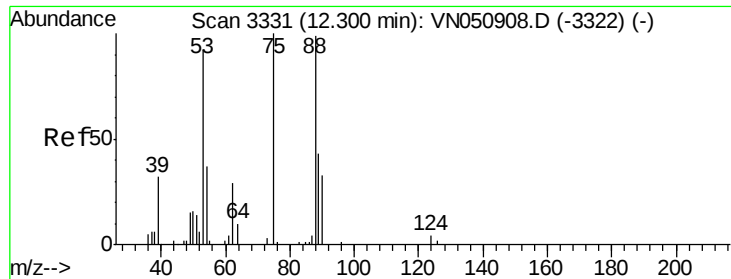
Tgt Ion: 105 Resp: 487028

Ion Ratio Lower Upper

105 100

120 50.6 0.0 99.6





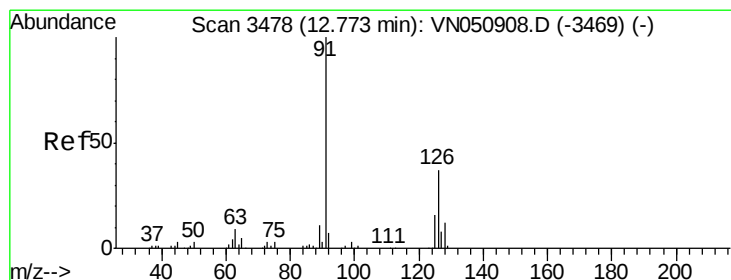
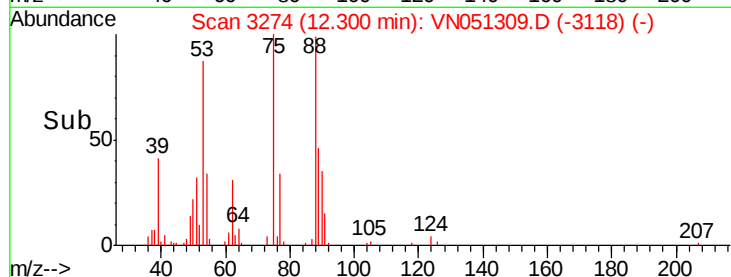
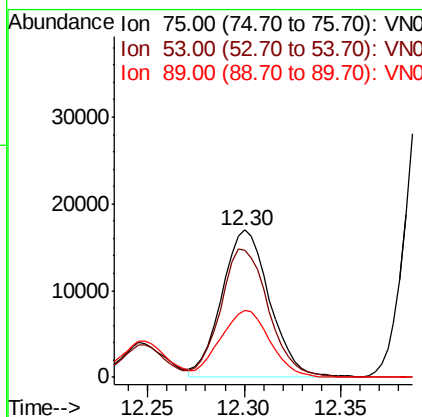
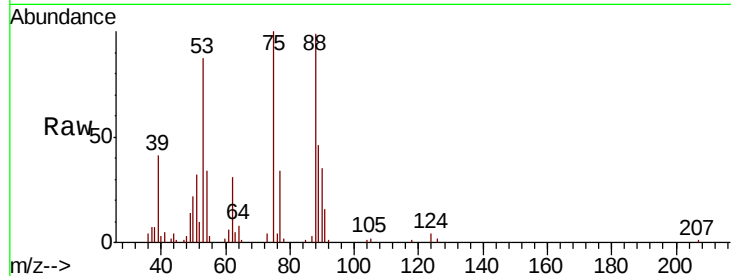
#77
t-1,4-Dichloro-2-butene
Concen: 16.33 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	45.5	136.4
89	46.5	21.9	65.8

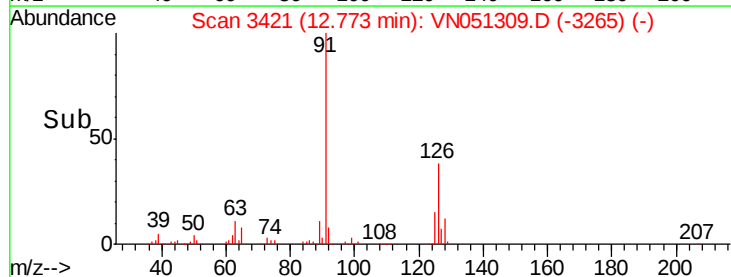
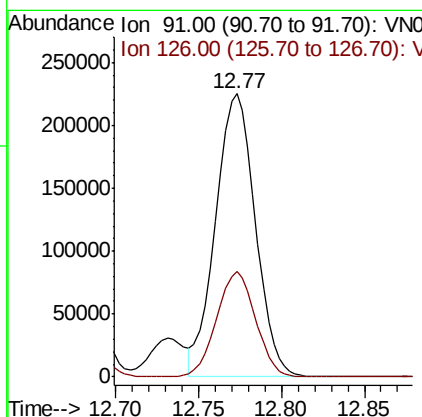
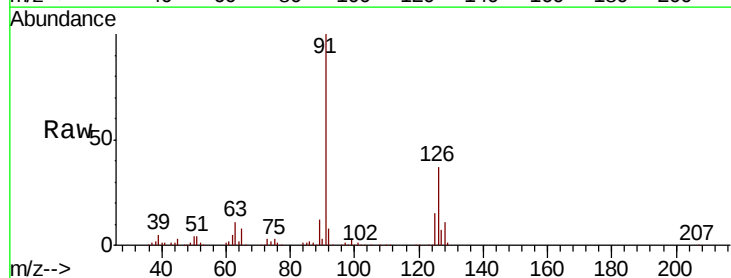
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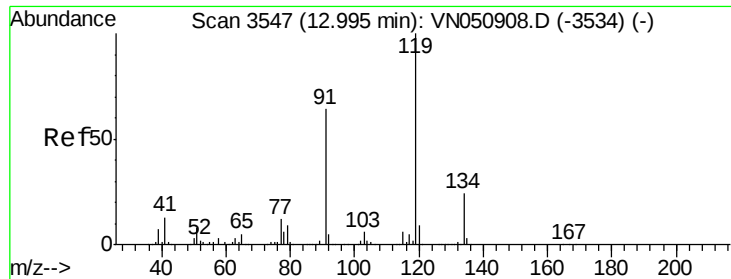
MMDadoda
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#78
4-Chlorotoluene
Concen: 20.66 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	0.0	69.8





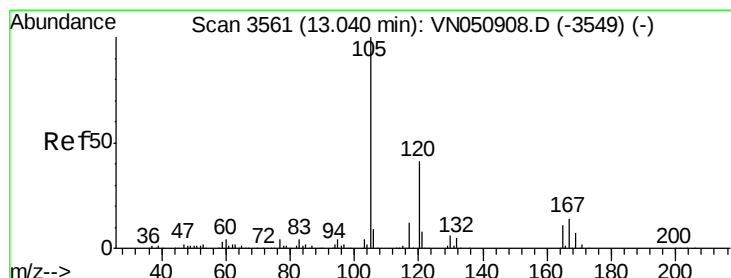
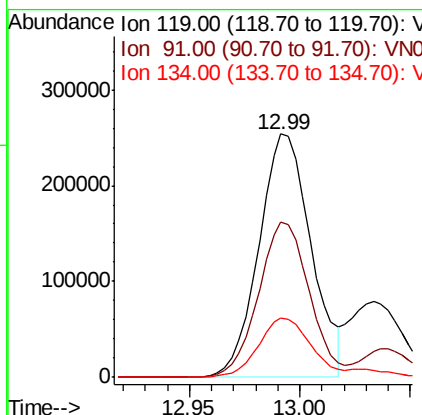
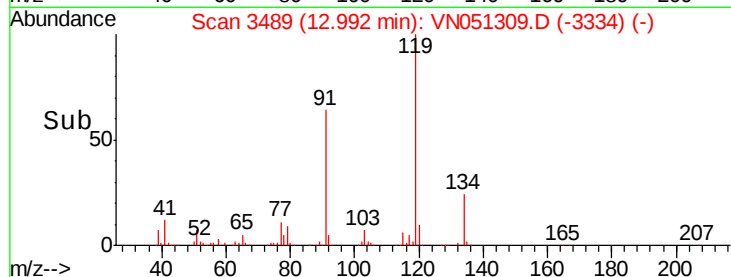
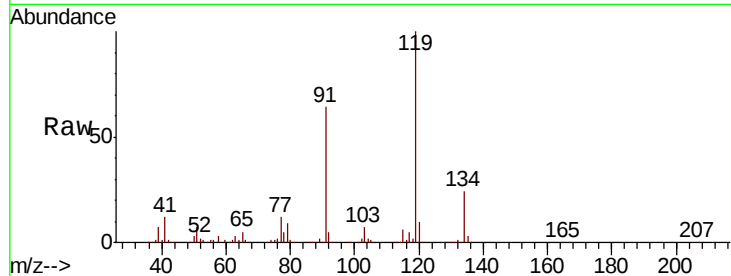
#79
tert-butylbenzene
Concen: 21.75 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	415770		
91	62.1	0.0	125.6	
134	24.4	0.0	48.4	

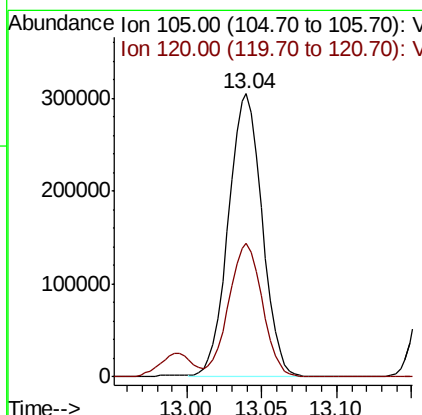
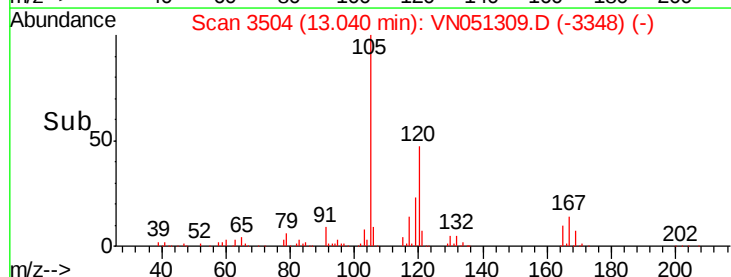
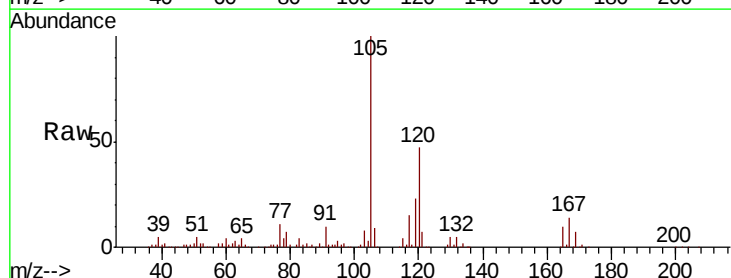
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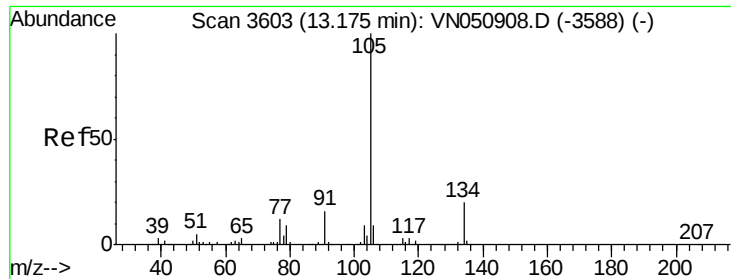
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#80
1,2,4-Trimethylbenzene
Concen: 21.82 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	478856		
120	47.2	0.0	93.6	





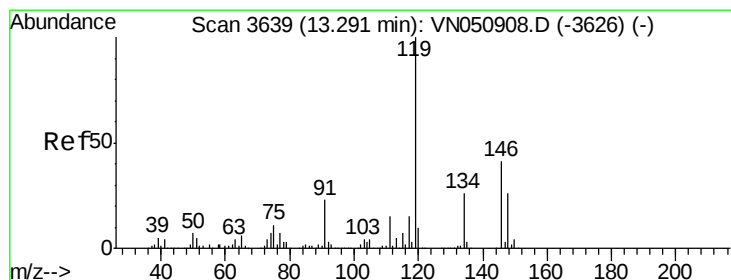
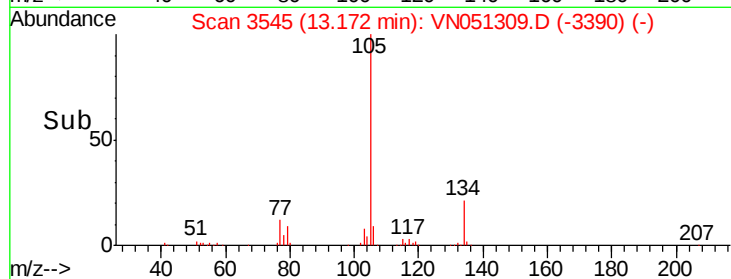
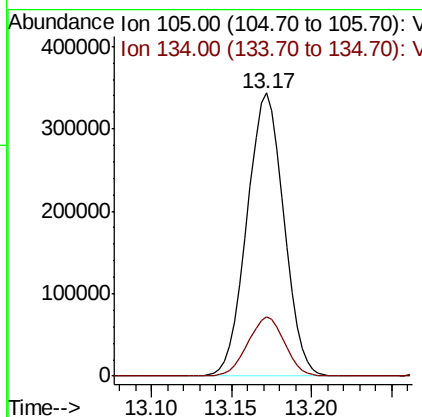
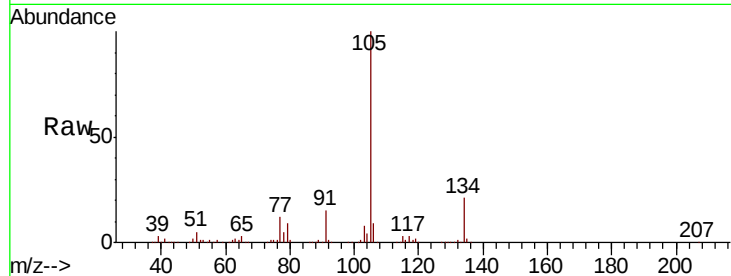
#81
 sec-Butylbenzene
 Concen: 21.59 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	539926		
134	21.0	0.0	40.8	

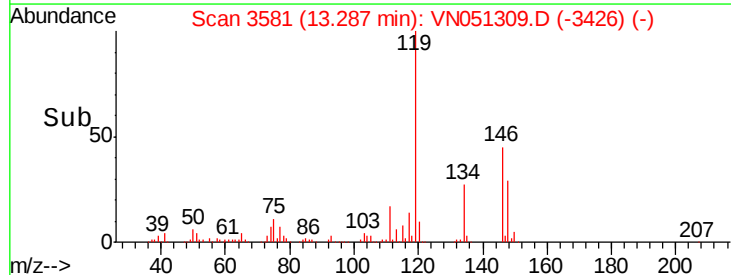
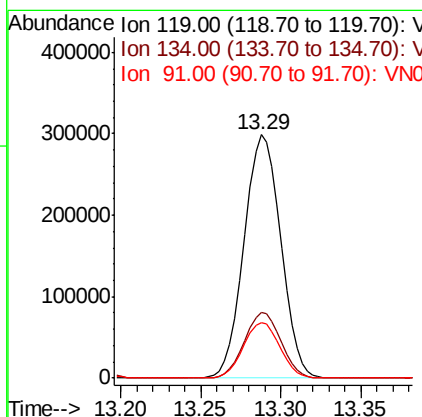
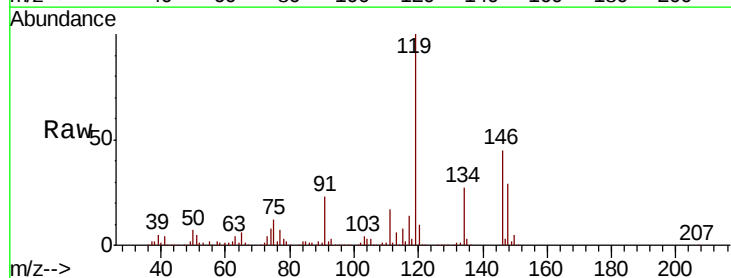
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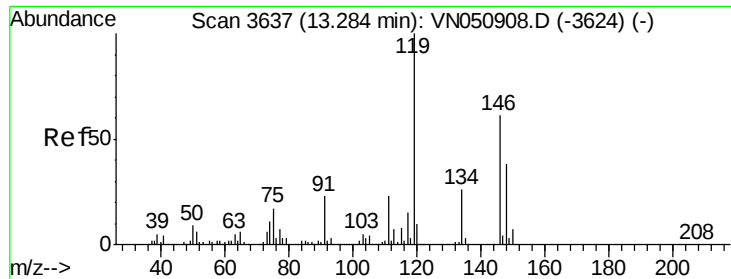
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#82
 p-Isopropyltoluene
 Concen: 21.65 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	467345		
134	26.9	0.0	53.2	
91	22.9	0.0	46.0	





#83

1,3-Dichlorobenzene

Concen: 20.41 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

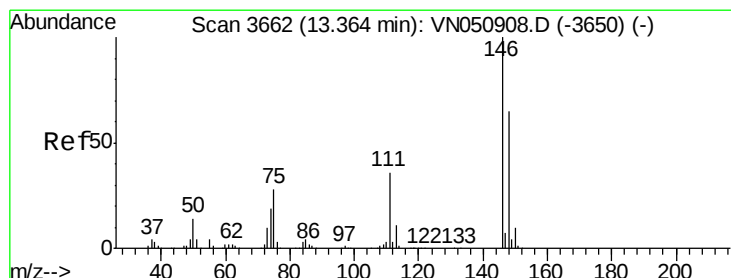
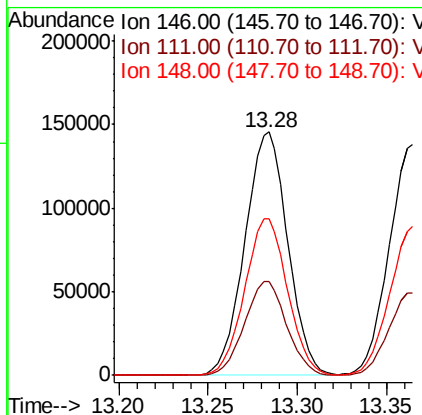
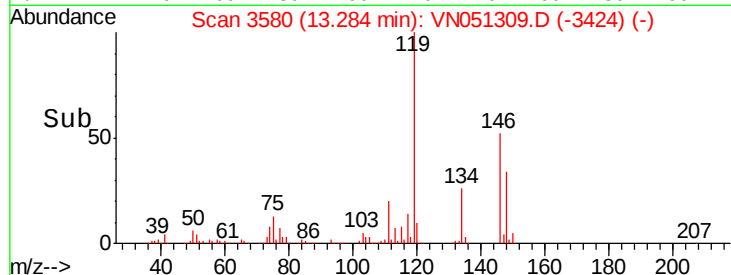
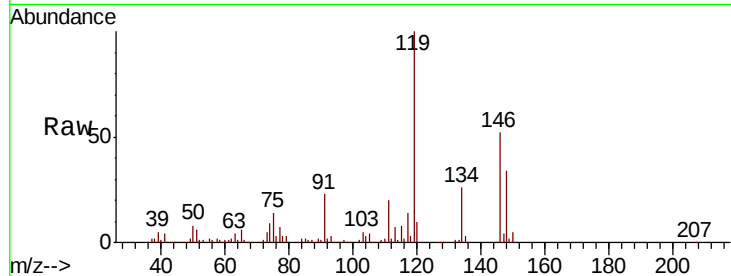
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	244543
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.6
148	64.5	31.8	95.3

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 20.30 ug/l

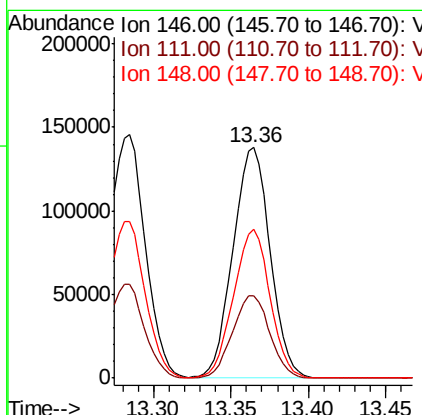
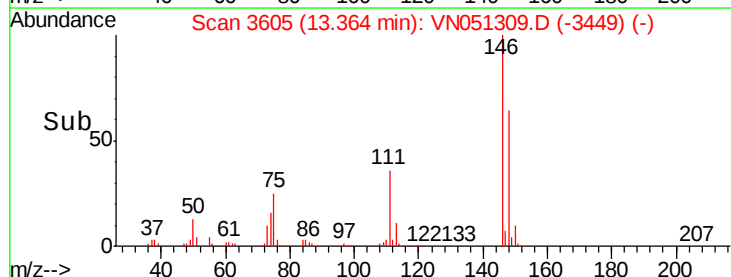
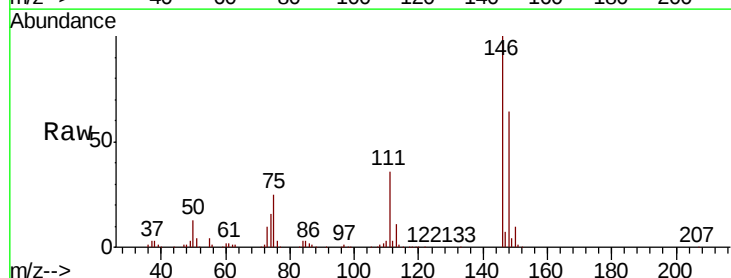
RT: 13.36 min Scan# 3605

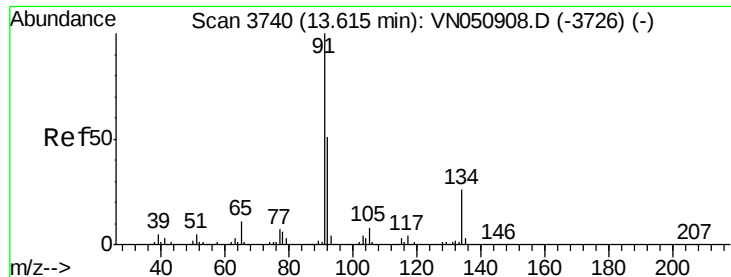
Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion:	146	Resp:	230470
Ion Ratio	Lower	Upper	
146	100		
111	35.9	17.7	53.1
148	63.4	31.6	94.8





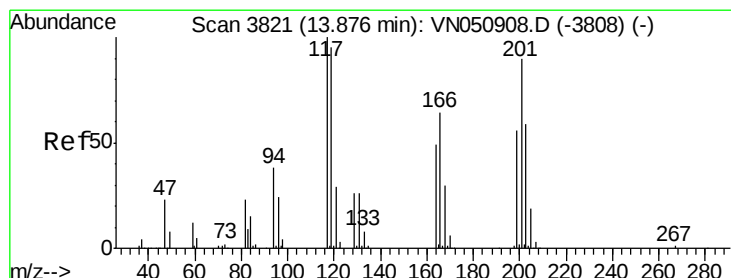
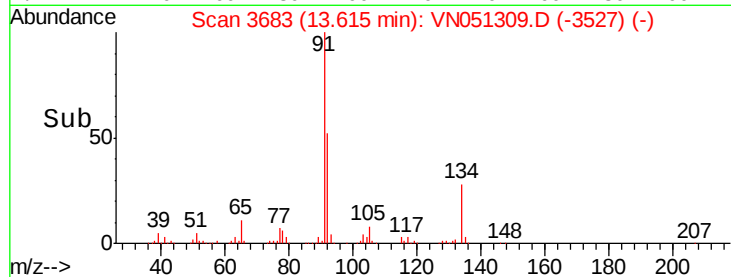
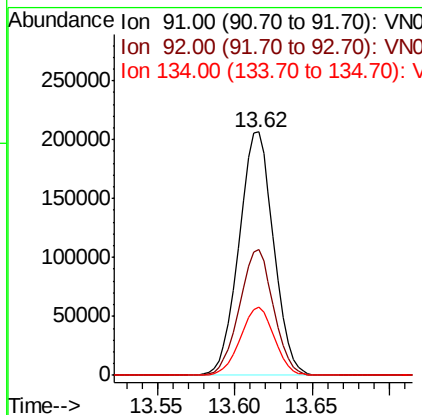
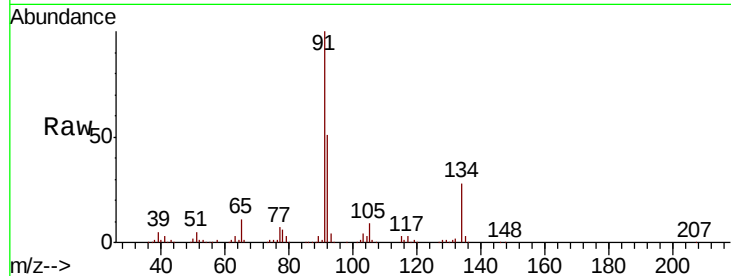
#85
n-Butylbenzene
Concen: 19.49 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	101.8
134	27.5	0.0	52.2

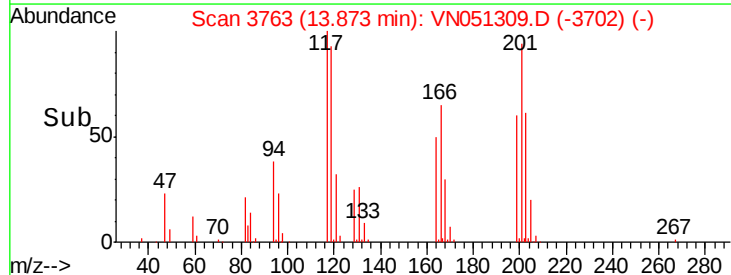
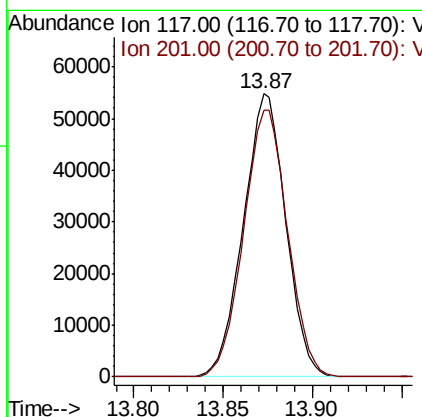
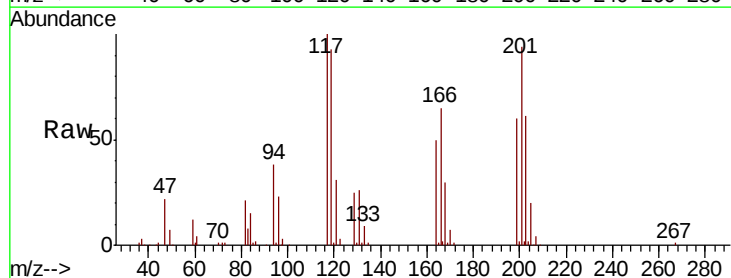
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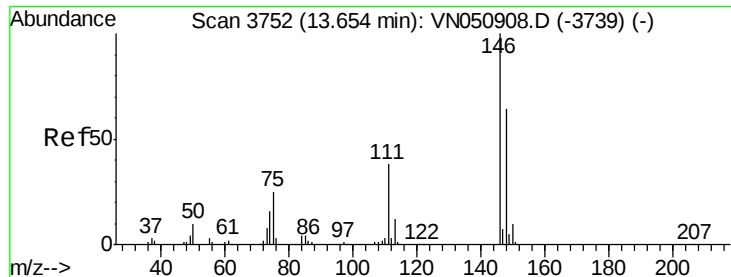
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#86
Hexachloroethane
Concen: 21.98 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	45.8	137.4





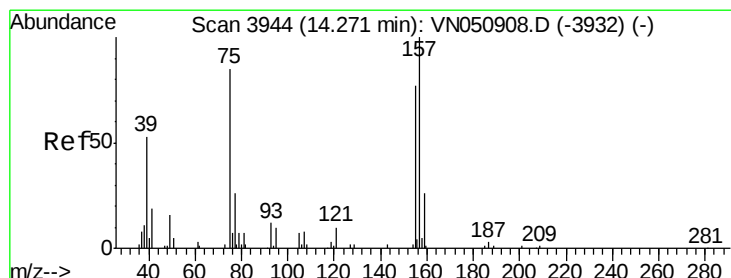
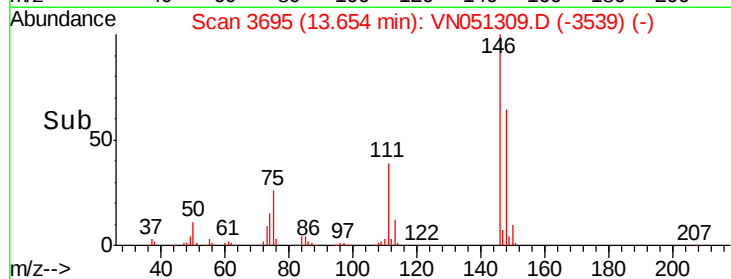
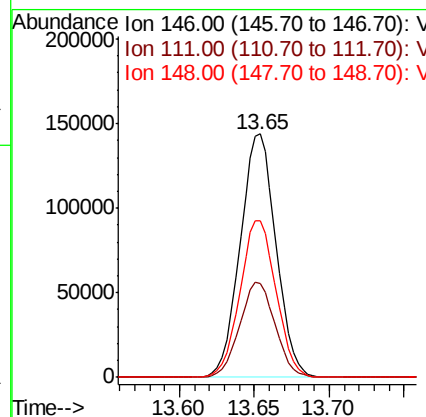
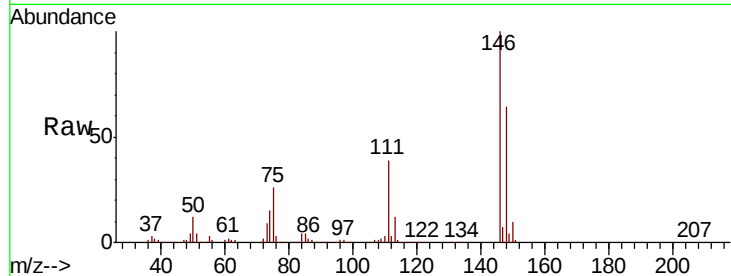
#87
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	239422		
111	38.7	19.1	57.1	
148	64.9	31.9	95.9	

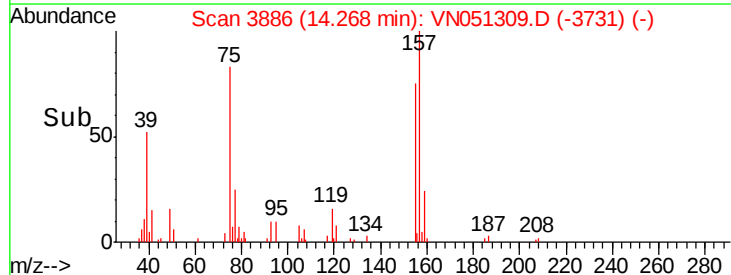
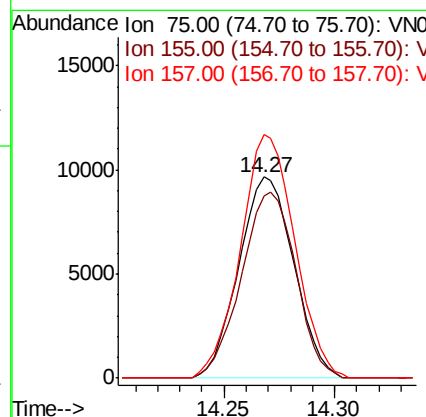
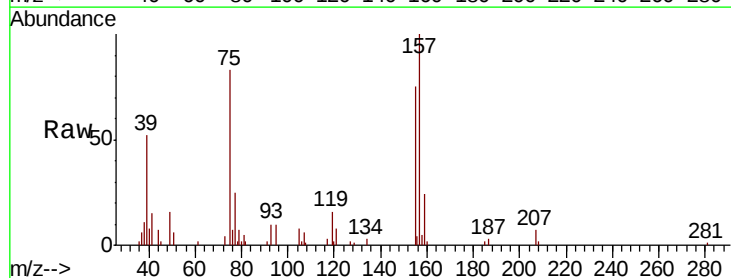
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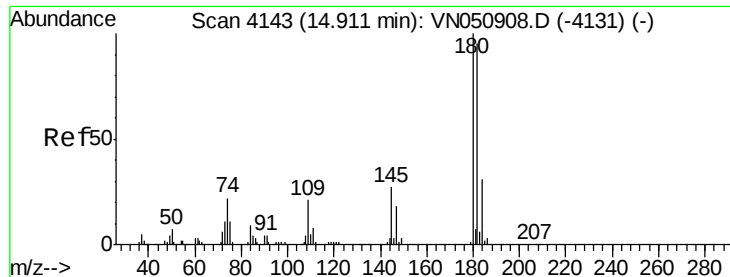
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.38 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16705		
155	91.3	71.8	107.6	
157	119.6	91.1	136.7	





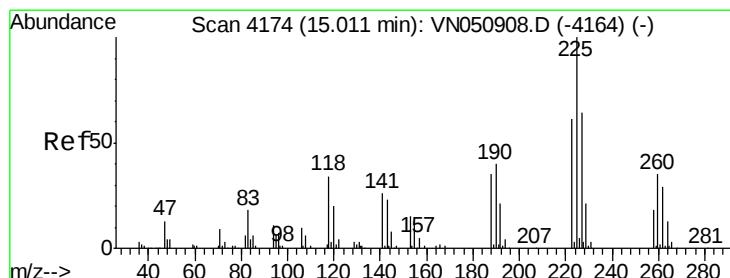
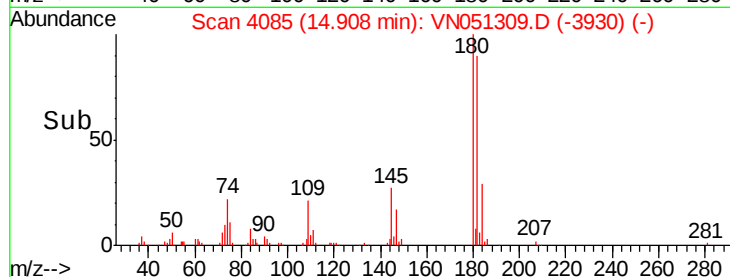
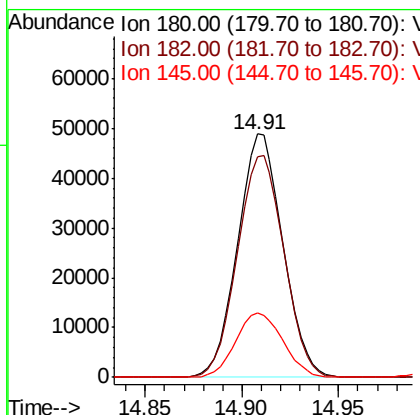
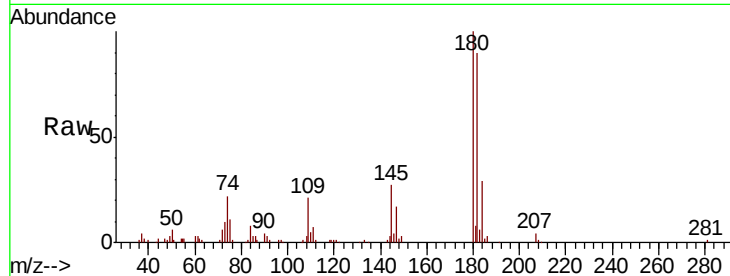
#89
 1,2,4-Trichlorobenzene
 Concen: 15.12 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.2	114.4
145	27.5	22.2	33.4

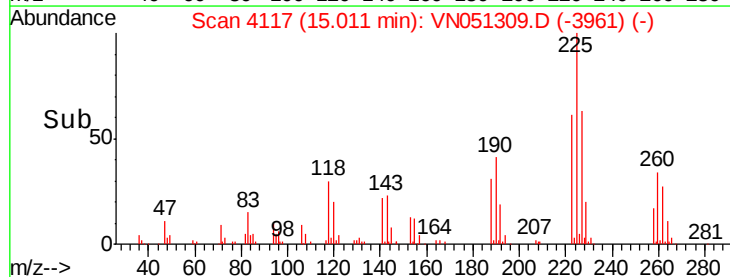
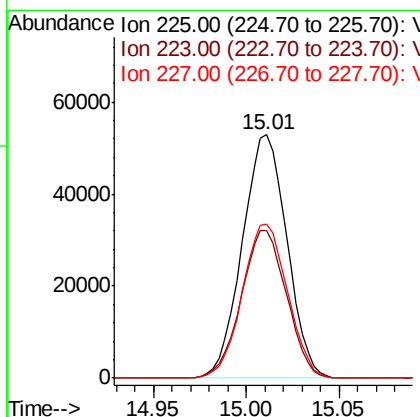
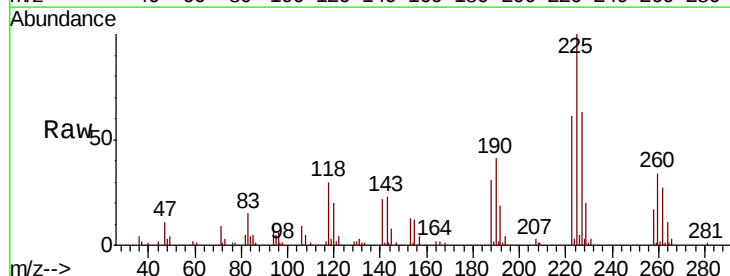
Manual Integrations
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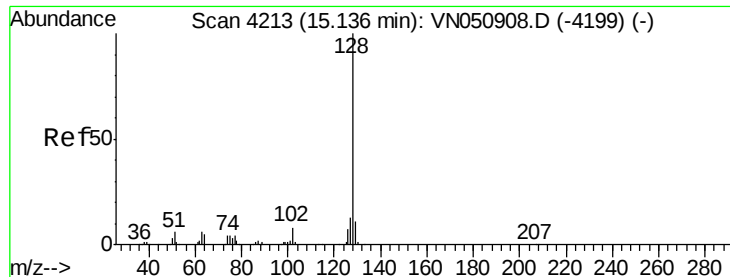
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#90
 Hexachlorobutadiene
 Concen: 24.75 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	127.8
227	64.0	0.0	128.4





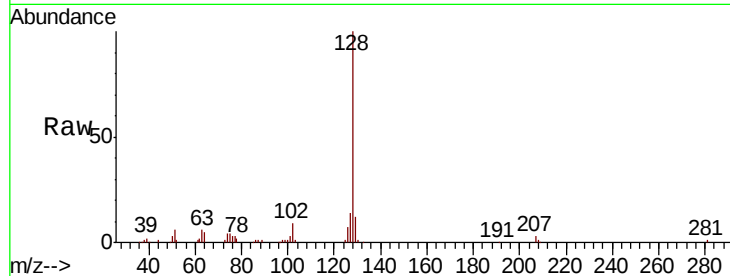
#91
Naphthalene
Concen: 16.34 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.5	10.6	16.0		
129	11.9	8.7	13.1		

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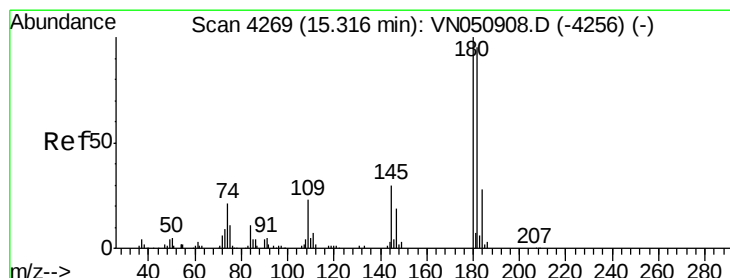
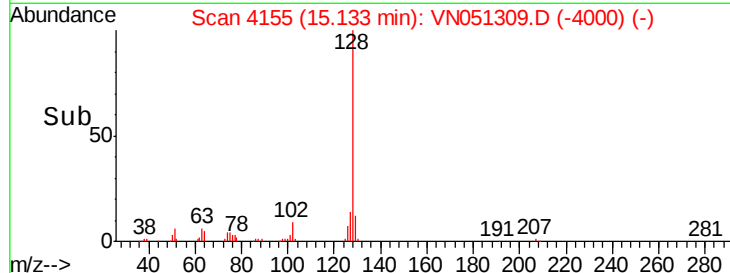
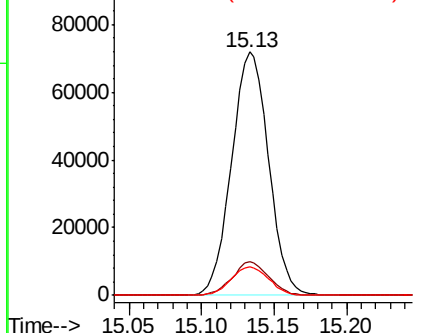


Abundance

Ion 128.00 (127.70 to 128.70): V

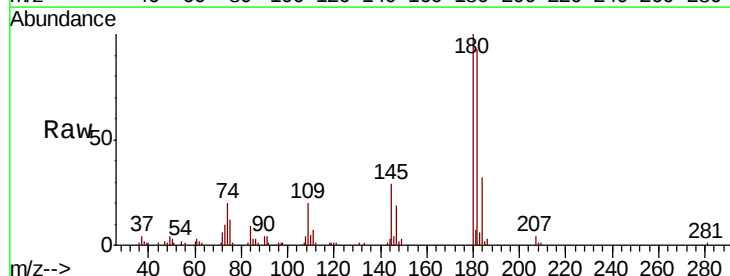
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 16.22 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	93.9	0.0	192.8		
145	28.7	0.0	60.0		



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

