

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051908.D
 Acq On : 18 Oct 2018 11:19
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:37:52 PM

Quant Time: Oct 18 15:00:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	125144	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	711900	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	615780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228667	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	248746	28.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.37%
63) Toluene-d8	10.09	98	827223	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102403	21.06	ug/l	99
3) Chloromethane	2.06	50	95551	18.60	ug/l	98
4) Vinyl Chloride	2.18	62	143687	18.73	ug/l	99
5) Bromomethane	2.57	94	127878	18.86	ug/l	87
6) Chloroethane	2.70	64	106586	19.27	ug/l	96
7) Trichlorofluoromethane	3.01	101	231608	21.17	ug/l	96
8) Diethyl Ether	3.41	74	61861	19.42	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133315	21.40	ug/l #	38
10) 1,1-Dichloroethene	3.74	96	115394	20.03	ug/l	82
11) Methyl Iodide	3.95	142	139382	16.64	ug/l	93
12) Methyl Acetate	4.33	43	71720	20.05	ug/l #	87
13) Acrolein	3.61	56	17179m	72.88	ug/l	
14) Acrylonitrile	4.99	53	145001	90.68	ug/l #	57
15) Acetone	3.82	58	42836	108.36	ug/l	93
16) Carbon Disulfide	4.05	76	267596	17.68	ug/l	98
17) Allyl chloride	4.32	41	125329	18.32	ug/l	72
18) Methylene Chloride	4.55	84	127399	19.78	ug/l #	88
19) trans-1,2-Dichloroethene	5.05	96	128703	19.56	ug/l	83
20) Diisopropyl ether	5.95	45	281918	18.50	ug/l #	87
21) 1,1-Dichloroethane	5.85	63	205122	19.27	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	151982	19.67	ug/l #	81
23) tert-Butyl Alcohol	4.79	59	38099	90.46	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	318712	19.20	ug/l	96
25) Chloroform	7.37	83	252329	19.98	ug/l	95
26) Cyclohexane	7.65	56	166950	18.50	ug/l #	67
29) 1,1-Dichloropropene	7.79	75	178261	19.43	ug/l	96
30) 2-Butanone	6.84	43	182465	95.13	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	202065	18.72	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	235231	19.34	ug/l	94
33) Carbon Tetrachloride	7.77	117	204959	18.62	ug/l	94
34) Benzene	8.04	78	518820	19.11	ug/l #	67
35) Methacrylonitrile	7.18	41	40622	16.12	ug/l	77
36) 1,2-Dichloroethane	8.12	62	166804	19.18	ug/l	98
37) Trichloroethene	8.84	130	162207	19.25	ug/l	91
38) Methylcyclohexane	9.08	83	216863	18.43	ug/l	77
39) 1,2-Dichloropropane	9.12	63	119949	18.76	ug/l	96
40) Dibromomethane	9.21	93	90097	18.99	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	179044	18.27	ug/l	94
42) Vinyl Acetate	5.90	43	945708	87.59	ug/l #	90
43) Ethyl Acetate	6.94	43	74873	17.98	ug/l	97
44) Isopropyl Acetate	8.17	43	144550	17.38	ug/l	99
45) 1,4-Dioxane	9.20	88	25550	382.52	ug/l #	71
46) Methyl methacrylate	9.20	41	67301	17.54	ug/l	63
47) n-amyl Acetate	12.07	43	105416m	15.14	ug/l	
48) t-1,3-Dichloropropene	10.38	75	162227	16.98	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	187360	17.79	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	125910	19.21	ug/l	92
51) Ethyl methacrylate	10.43	69	133690	17.81	ug/l	81
52) 1,3-Dichloropropane	10.71	76	184770	18.26	ug/l	99
53) Dibromochloromethane	10.90	129	141278	17.42	ug/l	93
54) 1,2-Dibromoethane	11.00	107	121541	17.66	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	279967	87.27	ug/l #	91
56) Bromoform	12.13	173	85421	15.97	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	396145	96.13	ug/l #	86
59) 2-Hexanone	10.75	43	260595	93.74	ug/l	91
61) Tetrachloroethene	10.63	164	163725	20.79	ug/l	98
62) Toluene	10.16	91	598940	19.58	ug/l	99
64) Chlorobenzene	11.43	112	384325	19.18	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	150830	19.61	ug/l	99
66) Ethyl Benzene	11.51	91	645290	19.09	ug/l	100
67) m/p-Xylenes	11.62	106	515569	37.61	ug/l	98
68) o-Xylene	11.95	106	252907	18.72	ug/l	91
69) Styrene	11.96	104	365104	17.61	ug/l	96
70) Isopropylbenzene	12.25	105	686376	19.05	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	133941	18.82	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	104833m	18.73	ug/l	
73) Bromobenzene	12.53	156	165486	18.54	ug/l	79
74) n-propylbenzene	12.59	91	717755	18.52	ug/l	95
75) 2-Chlorotoluene	12.67	91	429377	18.90	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	551723	18.52	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28059	15.15	ug/l	97
78) 4-Chlorotoluene	12.77	91	394052	17.65	ug/l	92
79) tert-butylbenzene	12.99	119	515285	18.80	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	543315	18.24	ug/l	98
81) sec-Butylbenzene	13.17	105	667598	18.62	ug/l	98
82) p-Isopropyltoluene	13.29	119	577459	18.00	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	265250	16.84	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	246716	16.64	ug/l	99
85) n-Butylbenzene	13.62	91	407329	16.84	ug/l	96
86) Hexachloroethane	13.87	117	93529	16.91	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	271158	17.78	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17636	16.60	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.91	180	89032	16.57	ug/l	99
90) Hexachlorobutadiene	15.01	225	94384	19.21	ug/l	95
91) Naphthalene	15.13	128	170818	16.72	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	100235	14.45	ug/l	95

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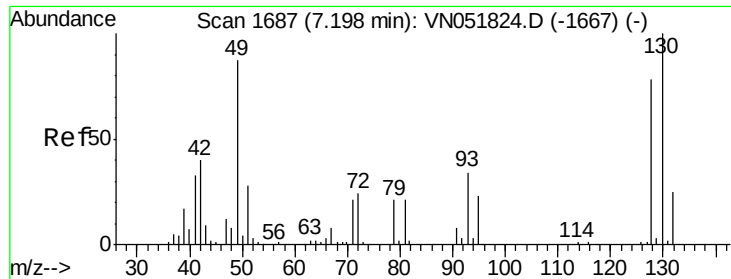
Manual Integrations
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10/19/2018 4:37:52 PM

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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. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

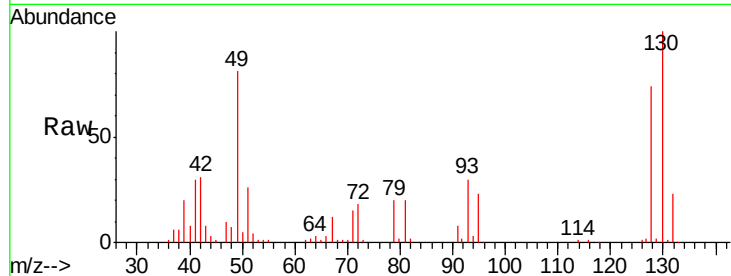
ClientSampleId :

VSTDCCC020

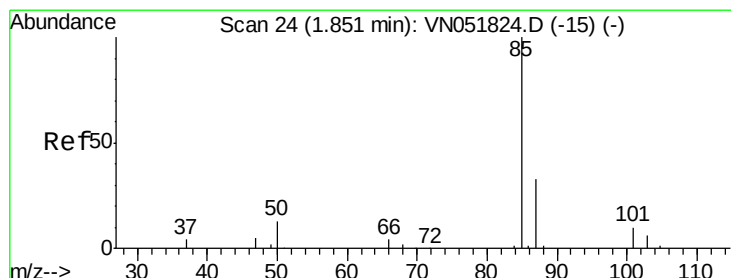
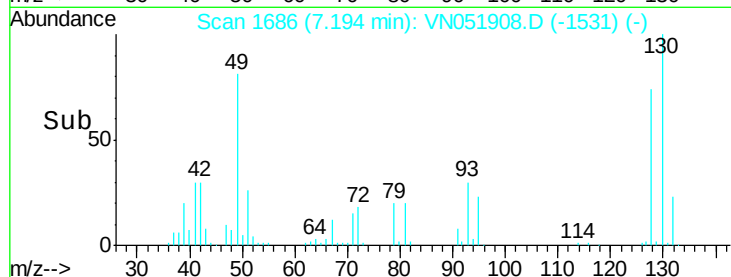
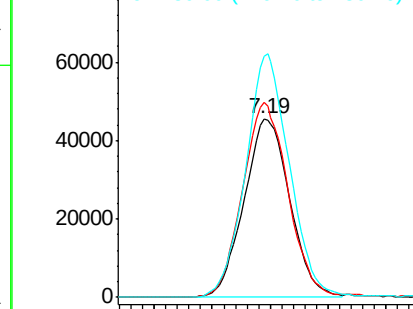
Tgt Ion:	128	Resp:	125144
Ion	Ratio	Lower	Upper
128	100		
49	108.2	0.0	403.3
130	130.6	0.0	326.0

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.06 ug/l

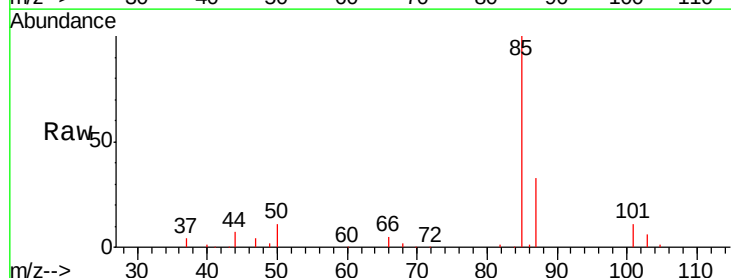
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

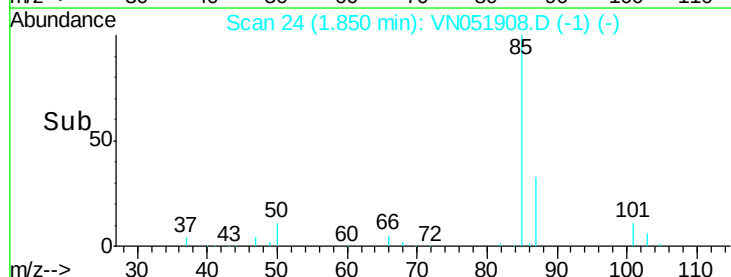
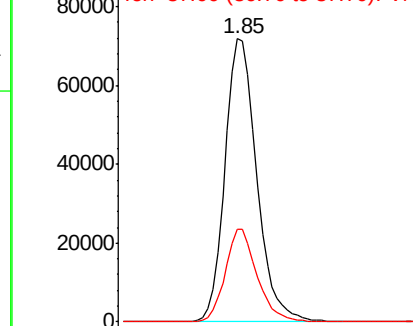
Lab File: VN051908.D

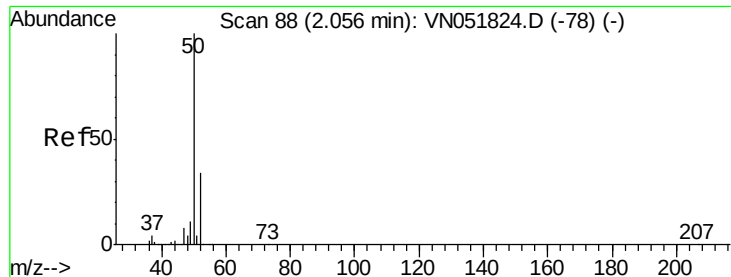
Acq: 18 Oct 2018 11:19

Tgt Ion:	85	Resp:	102403
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.60 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 95551

Ion Ratio Lower Upper

50 100

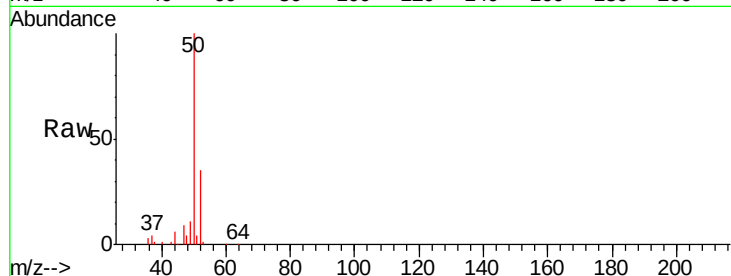
52 35.3 27.2 40.8

Manual Integrations

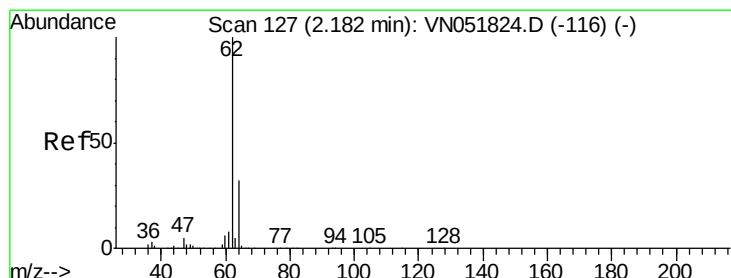
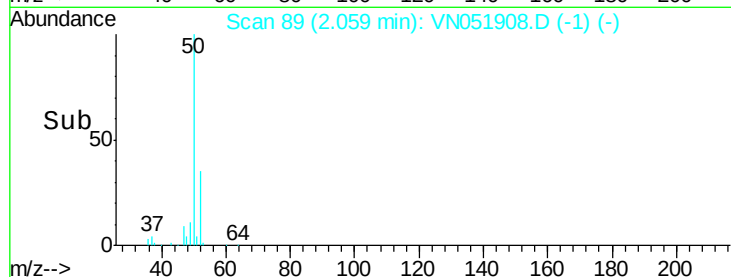
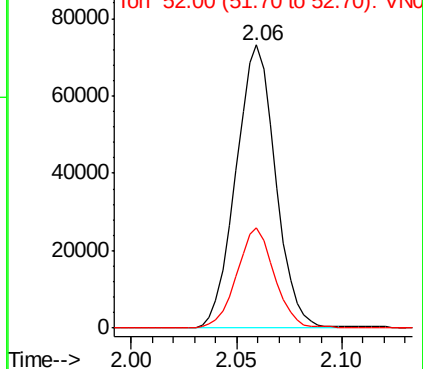
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Abundance Ion 50.00 (49.70 to 50.70): VN051908.D (-1) (-)



#4

Vinyl Chloride

Concen: 18.73 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051908.D

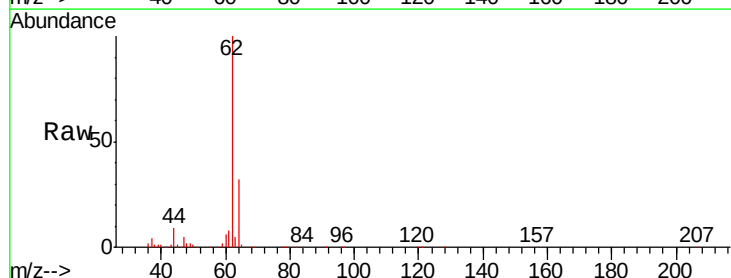
Acq: 18 Oct 2018 11:19

Tgt Ion: 62 Resp: 143687

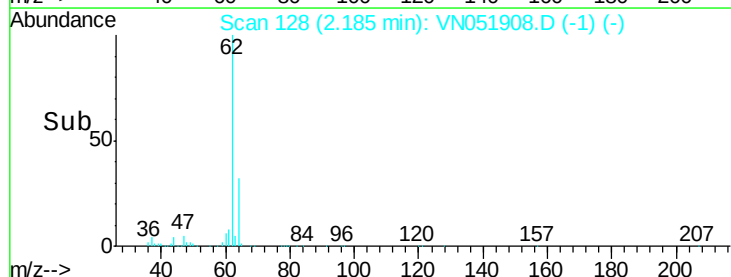
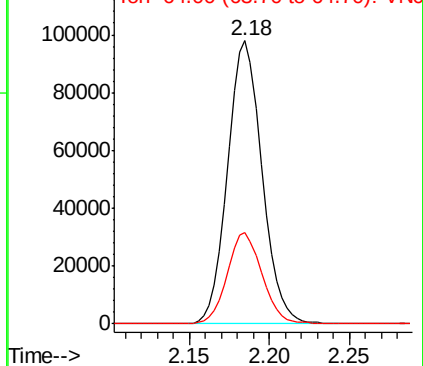
Ion Ratio Lower Upper

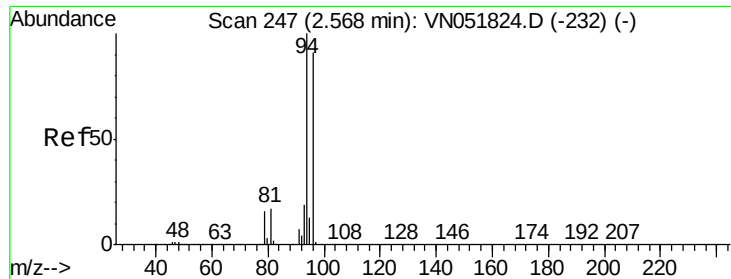
62 100

64 32.1 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN051908.D (-1) (-)





#5

Bromomethane

Concen: 18.86 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 127878

Ion Ratio Lower Upper

94 100

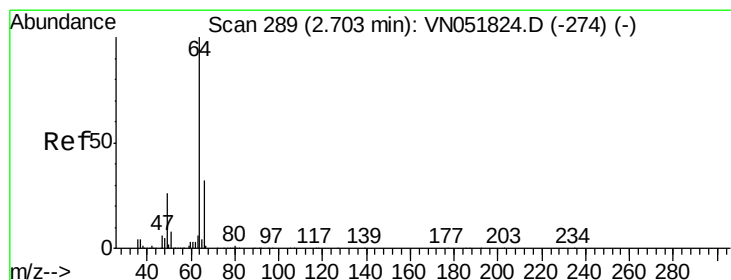
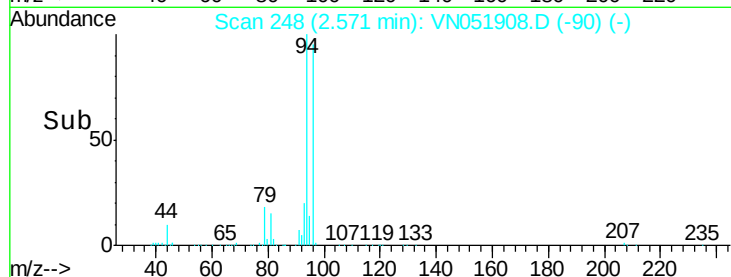
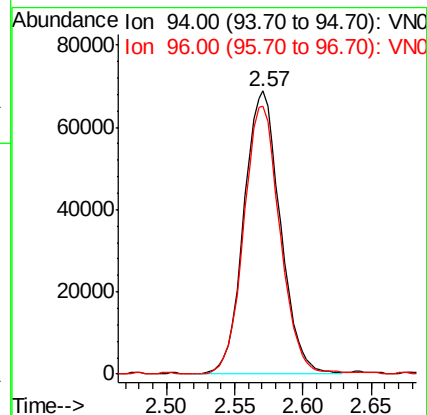
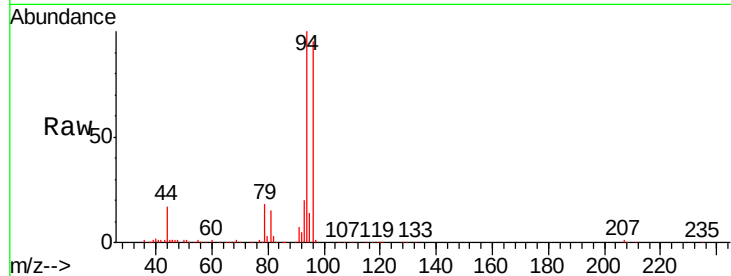
96 94.8 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 19.27 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051908.D

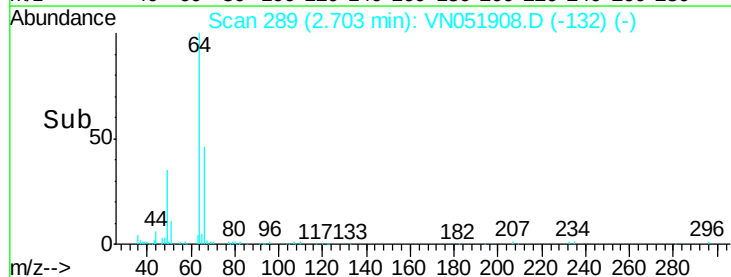
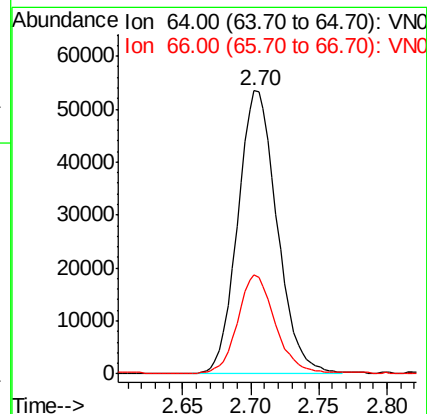
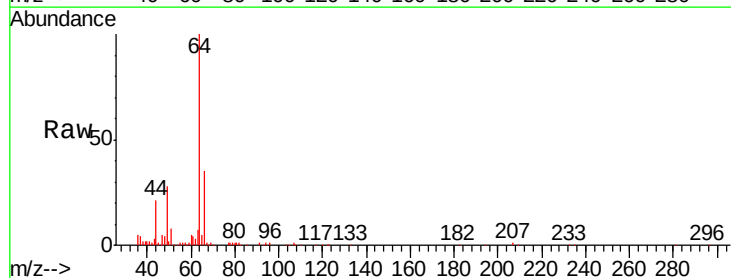
Acq: 18 Oct 2018 11:19

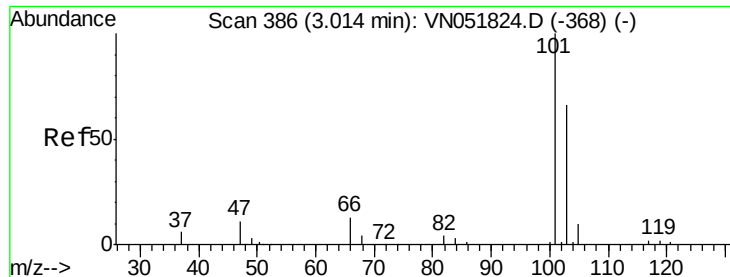
Tgt Ion: 64 Resp: 106586

Ion Ratio Lower Upper

64 100

66 34.7 25.8 38.6





#7

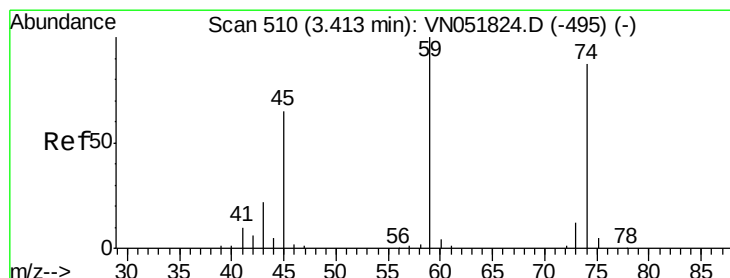
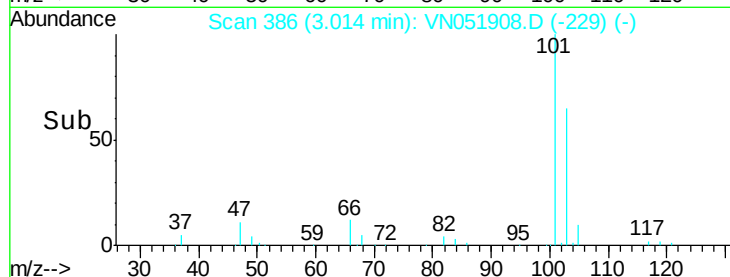
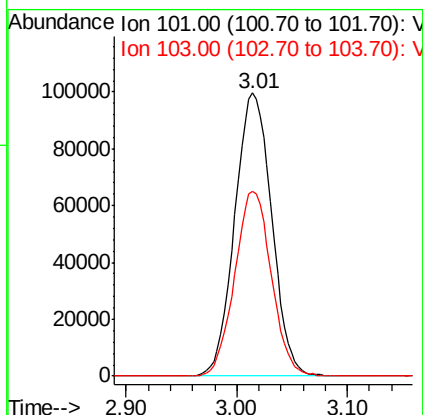
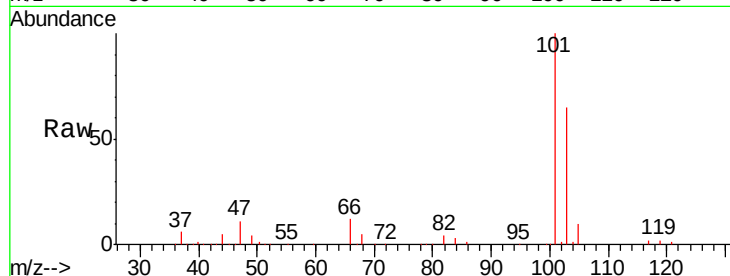
Trichlorofluoromethane
Concen: 21.17 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 101 Resp: 231608
Ion Ratio Lower Upper
101 100
103 65.5 54.8 82.2

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APPROVED

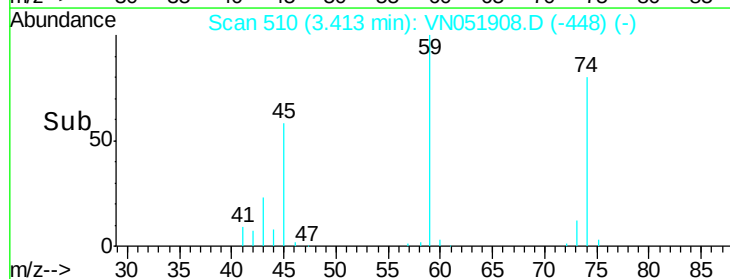
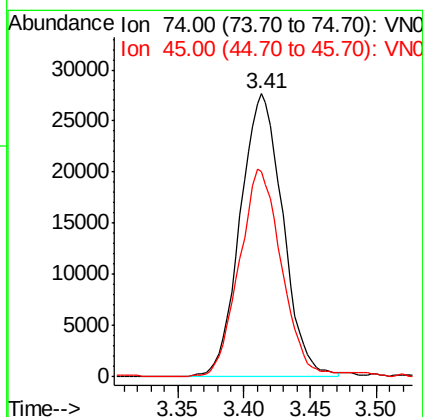
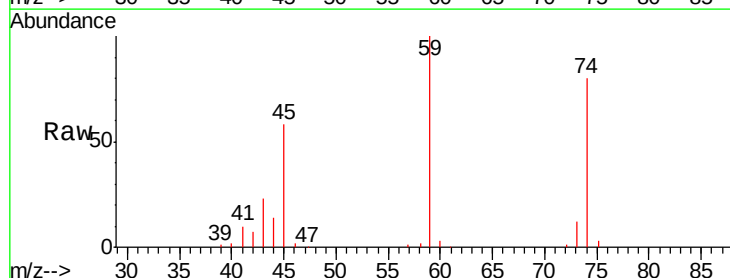
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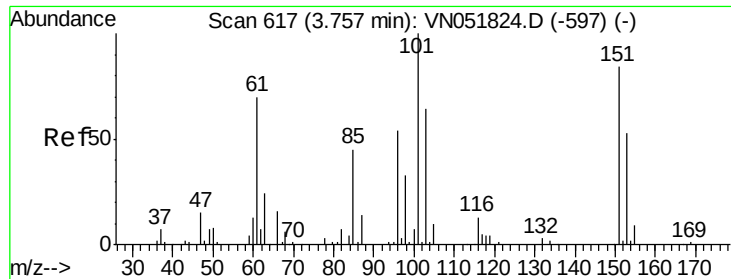


#8

Diethyl Ether
Concen: 19.42 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 74 Resp: 61861
Ion Ratio Lower Upper
74 100
45 73.2 20.7 186.5





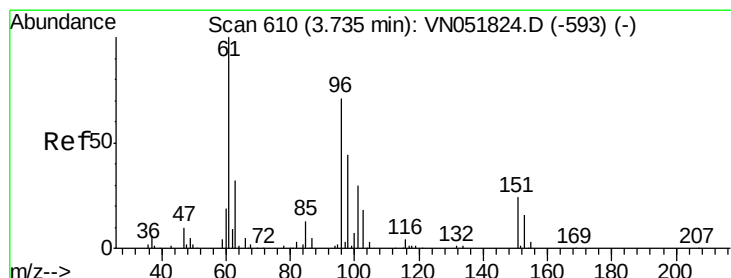
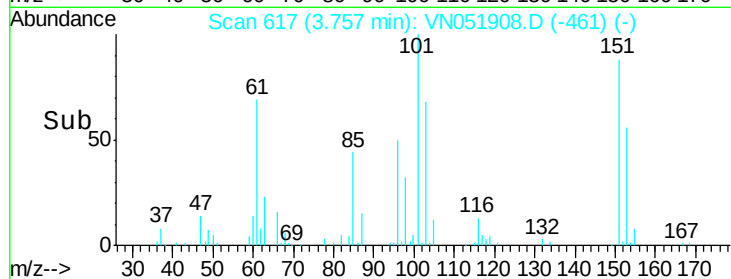
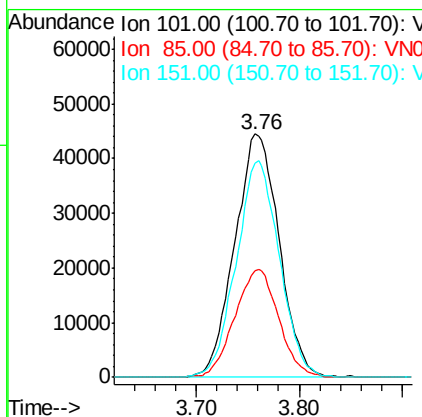
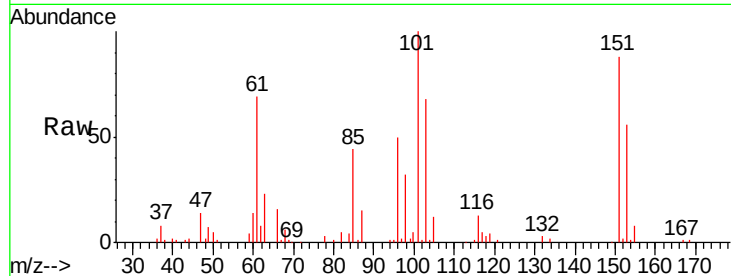
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.40 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051908.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.7	0.0	46.0
151	86.5	0.0	82.2

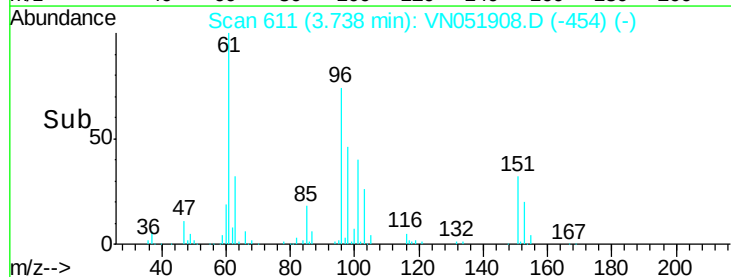
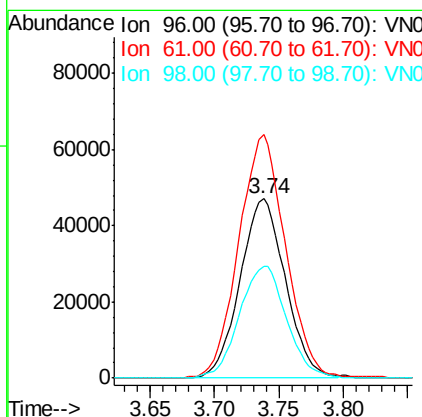
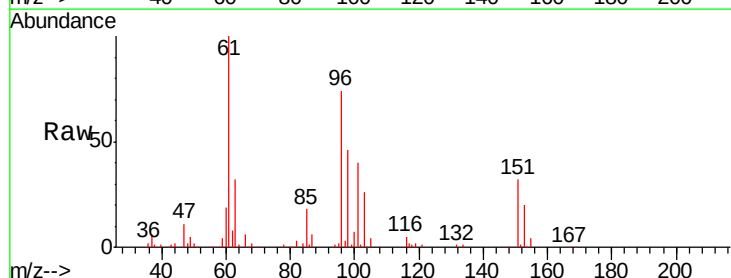
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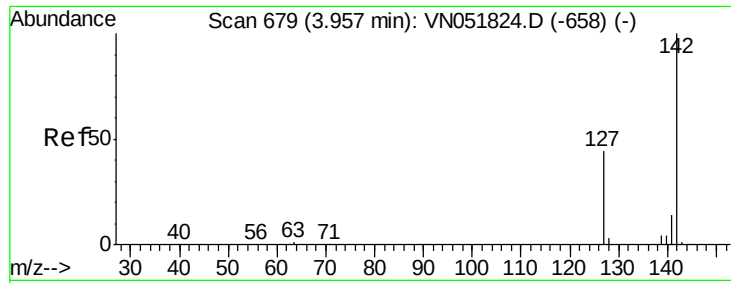
MMDadoda
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#10
 1,1-Dichloroethene
 Concen: 20.03 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	134.8	133.0	199.6
98	62.2	52.6	78.8





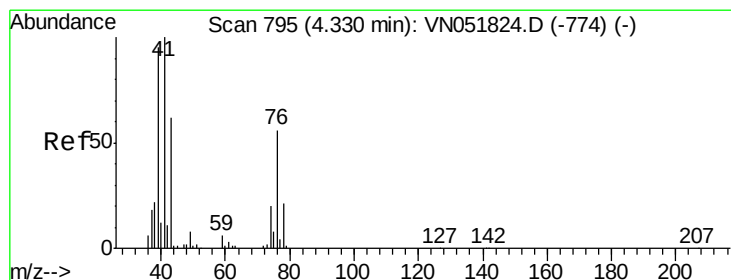
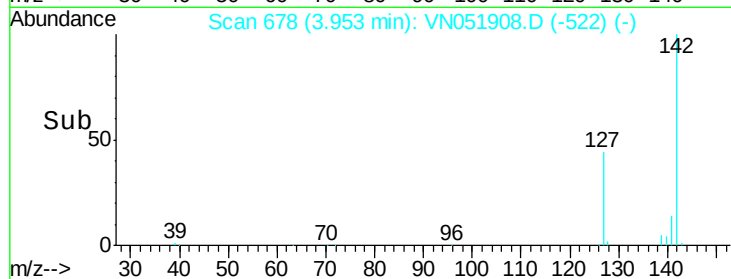
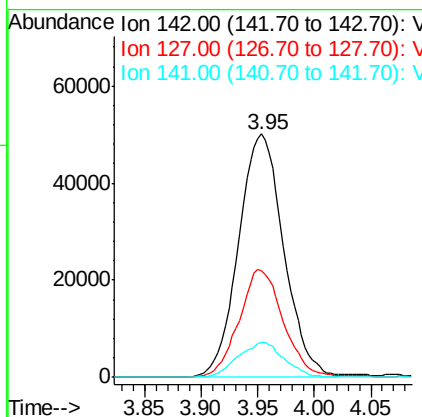
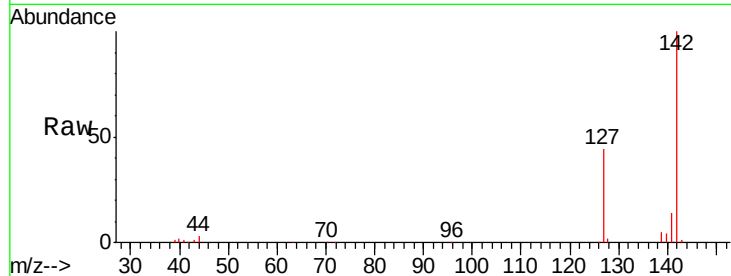
#11
Methyl Iodide
Concen: 16.64 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	19.7	59.0
141	14.6	6.3	18.9

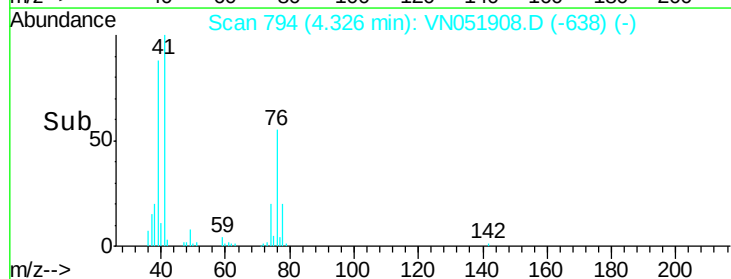
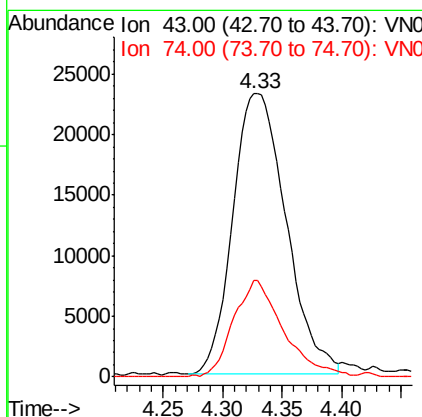
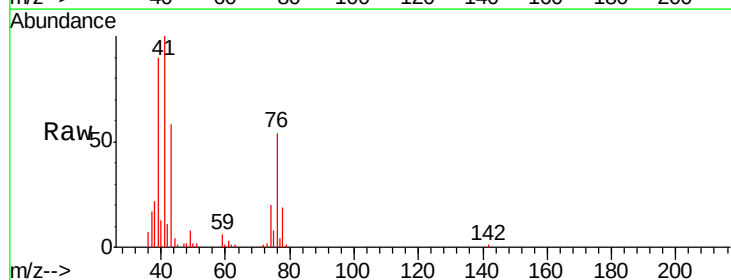
Manual Integrations
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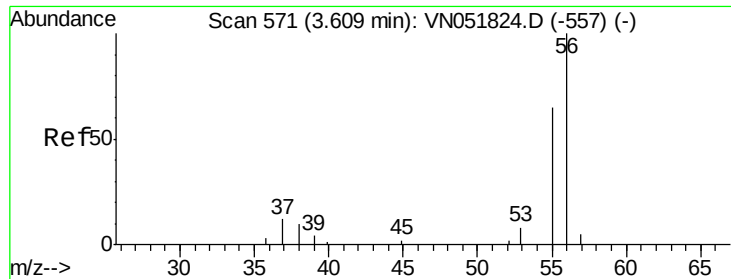
MMDadoda
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#12
Methyl Acetate
Concen: 20.05 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.9	21.8	32.6#





#13

Acrolein

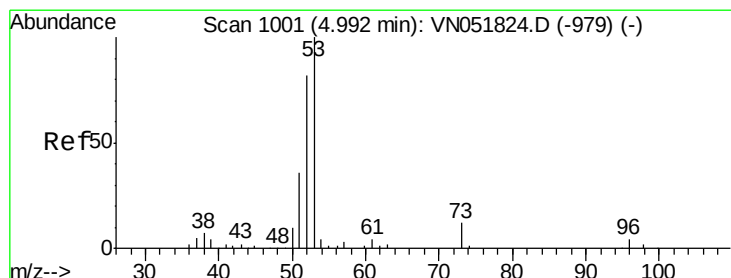
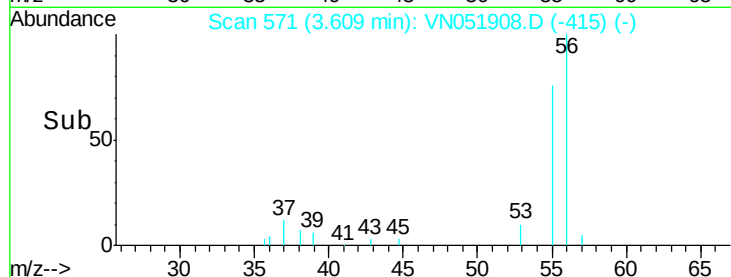
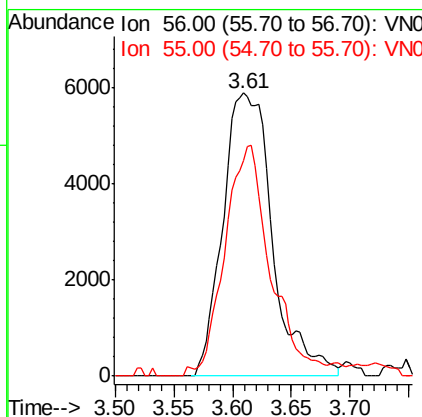
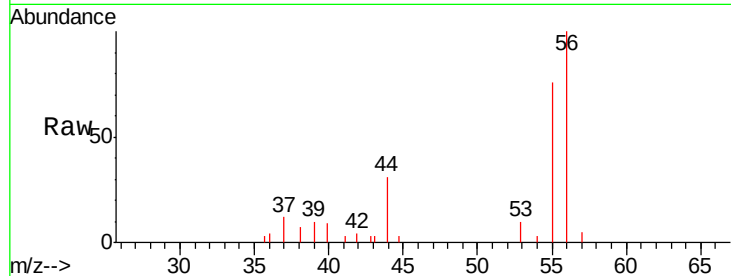
Concen: 72.88 ug/l m
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 17179
Ion Ratio Lower Upper
56 100
55 72.2 64.0 96.0

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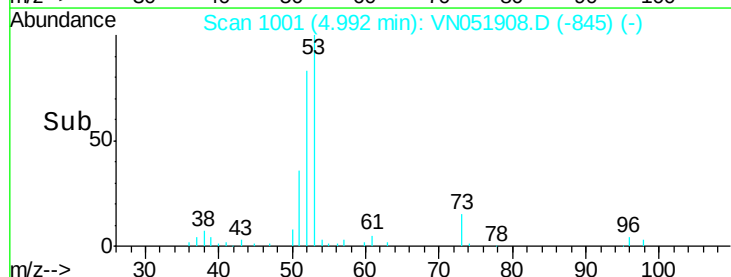
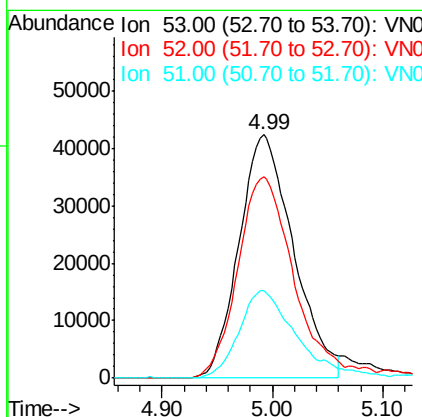
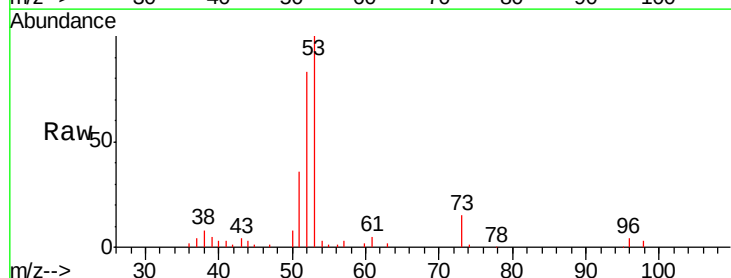


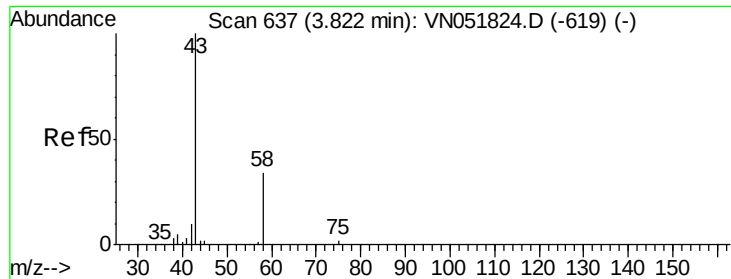
#14

Acrylonitrile

Concen: 90.68 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 53 Resp: 145001
Ion Ratio Lower Upper
53 100
52 83.8 18.3 54.8#
51 34.6 19.7 59.1





#15

Acetone

Concen: 108.36 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 42836

Ion Ratio Lower Upper

58 100

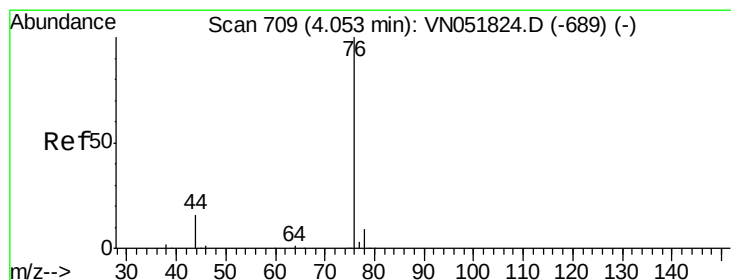
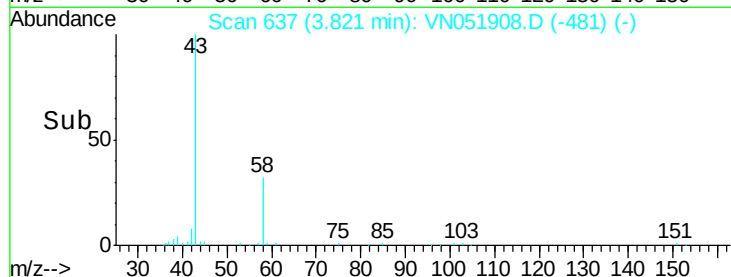
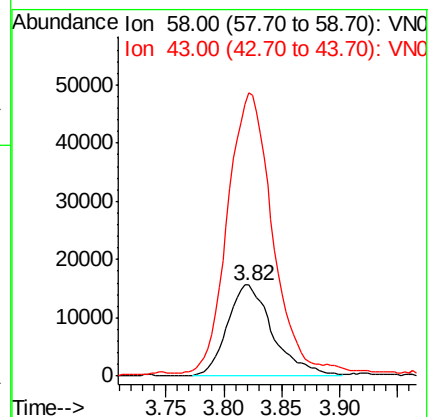
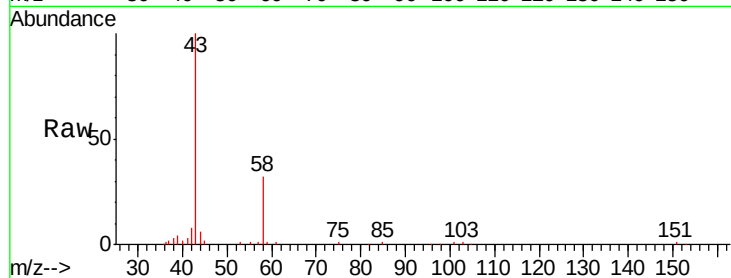
43 303.7 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.68 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051908.D

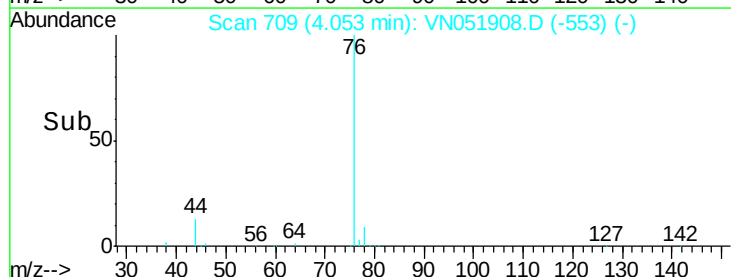
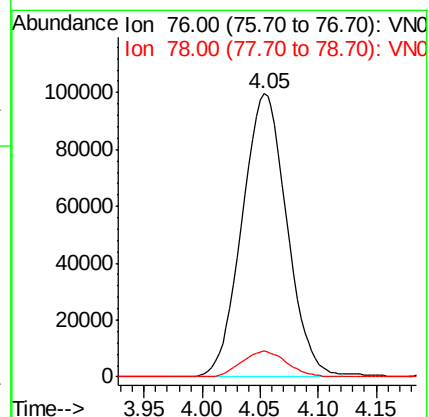
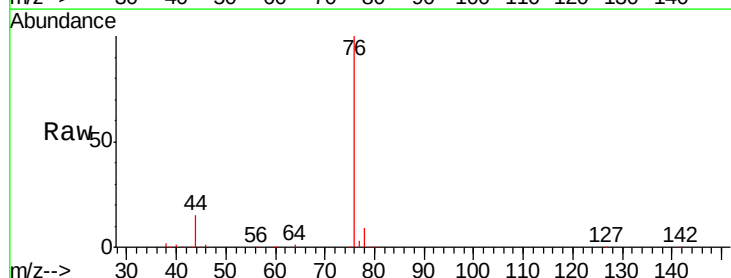
Acq: 18 Oct 2018 11:19

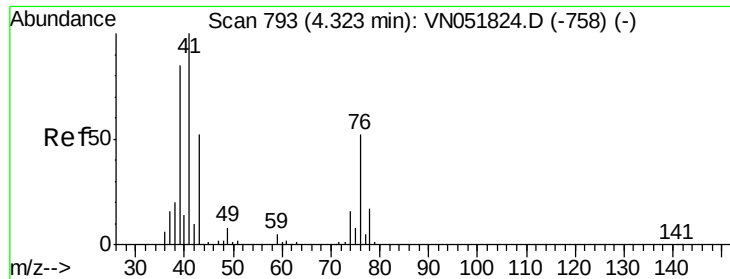
Tgt Ion: 76 Resp: 267596

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1





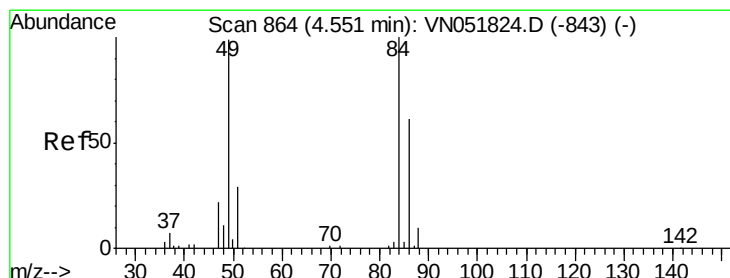
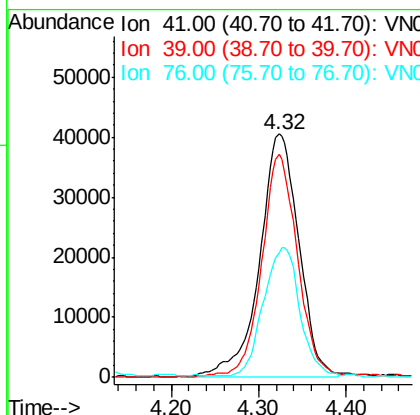
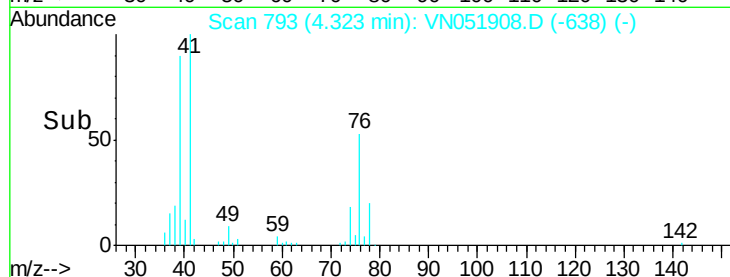
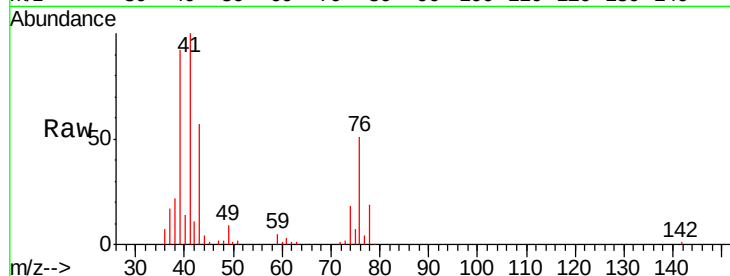
#17
 Allyl chloride
 Concen: 18.32 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	92.2	32.6	97.8
76	50.8	20.2	60.5

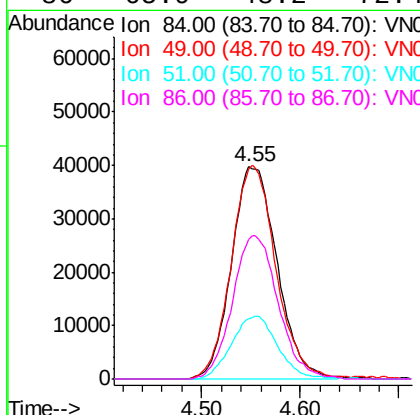
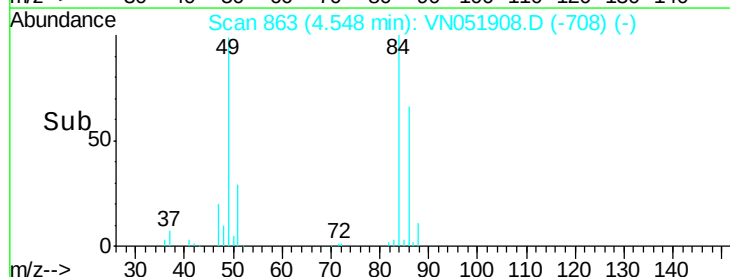
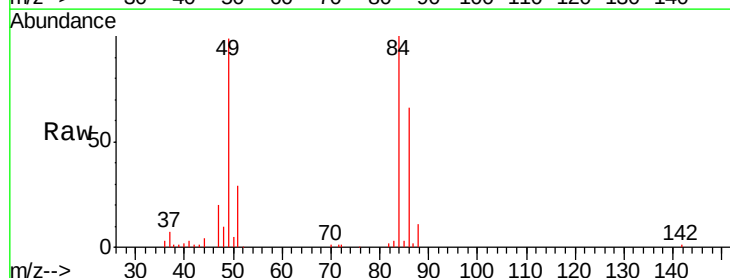
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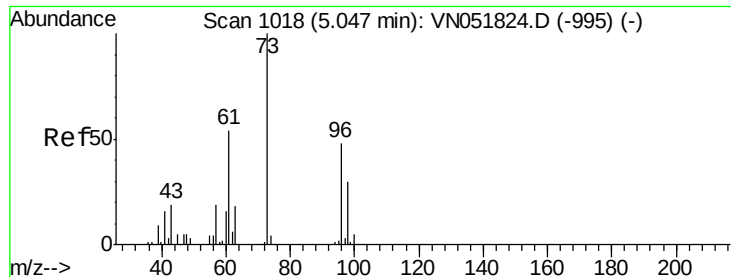
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#18
 Methylene Chloride
 Concen: 19.78 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	99.3	91.6	137.4
51	28.7	29.8	44.6#
86	65.9	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

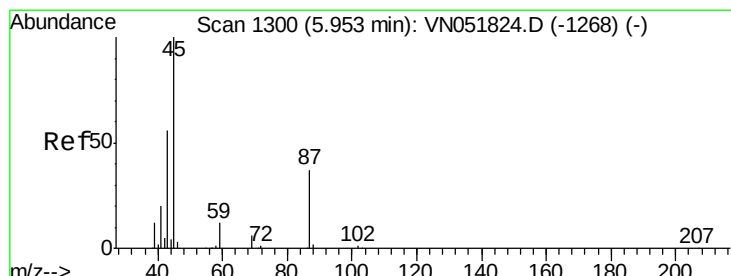
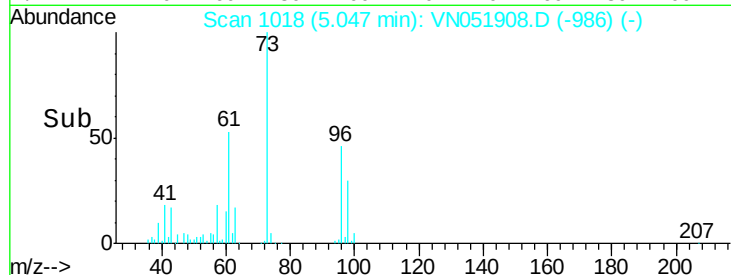
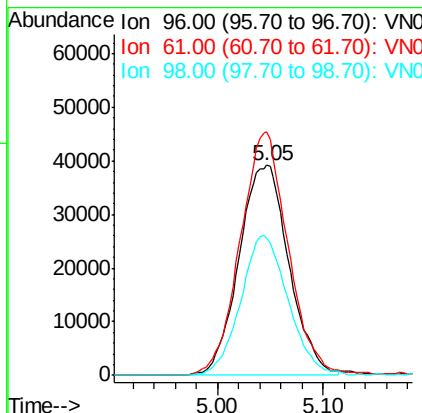
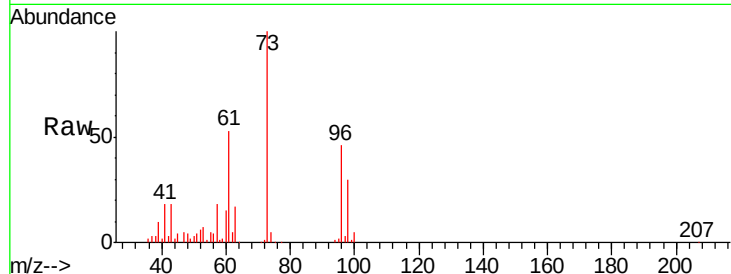
ClientSampleId :

VSTDCCC020

Tgt Ion:	96	Resp:	128703
Ion	Ratio	Lower	Upper
96	100		
61	116.0	112.3	168.5
98	65.7	47.1	70.7

Manual Integrations
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#20

Diisopropyl ether

Concen: 18.50 ug/l

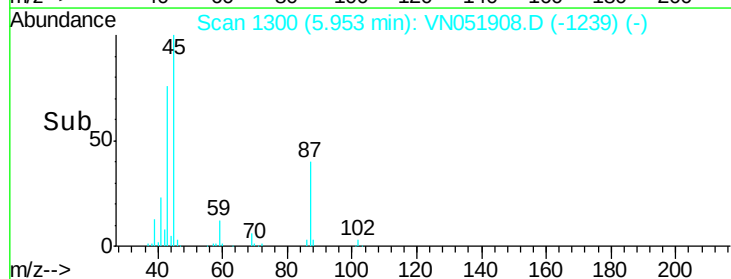
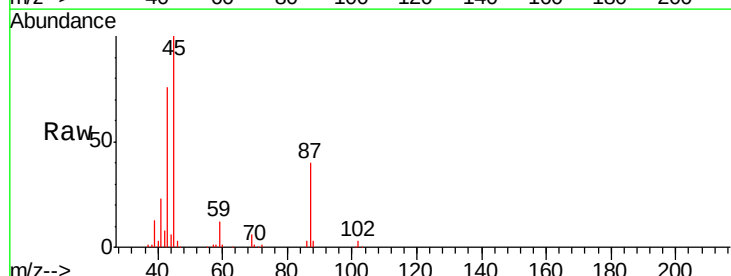
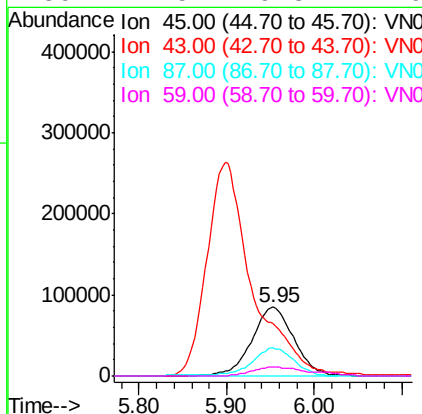
RT: 5.95 min Scan# 1300

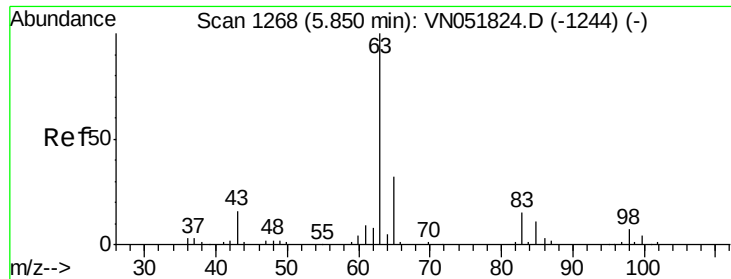
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	45	Resp:	281918
Ion	Ratio	Lower	Upper
45	100		
43	70.1	62.1	93.1
87	39.8	19.9	29.9
59	11.5	9.8	14.6





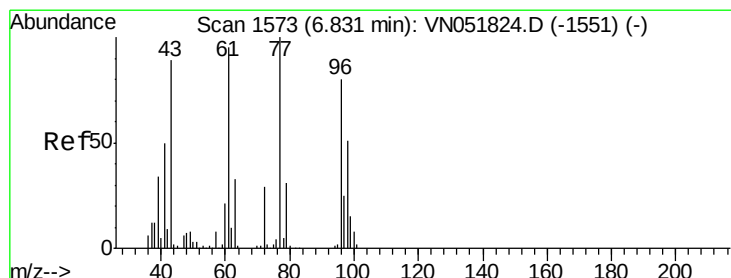
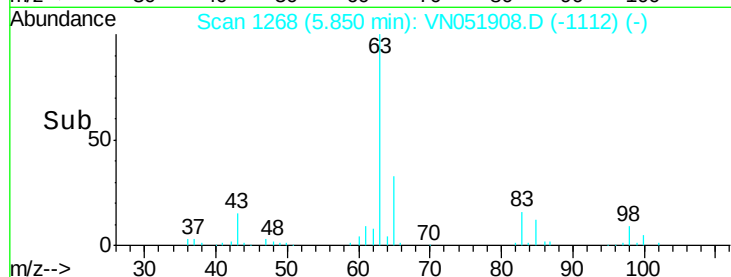
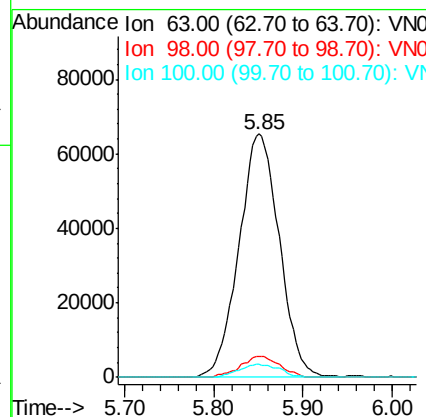
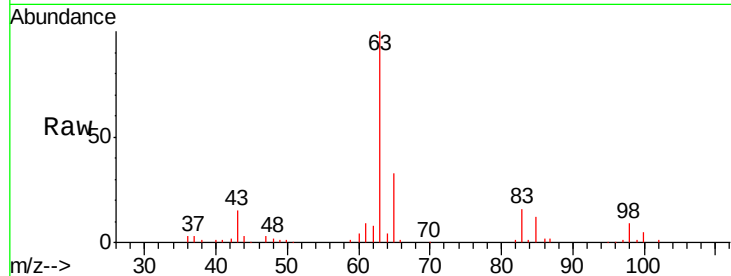
#21
 1,1-Dichloroethane
 Concen: 19.27 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	8.7	4.1	12.3
100	5.3	1.6	4.7#

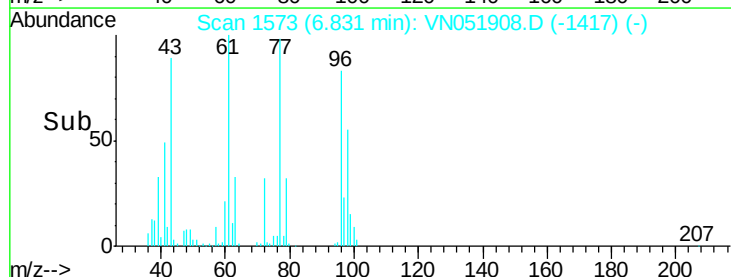
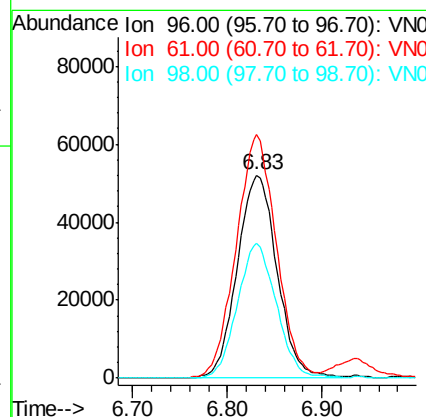
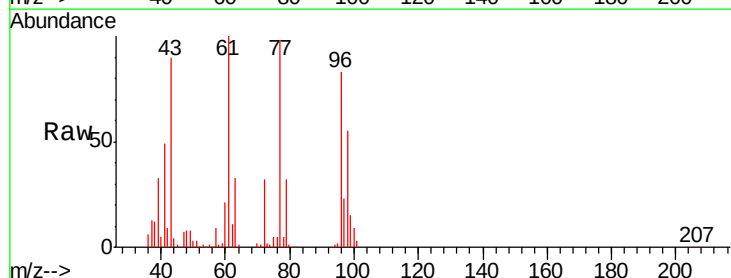
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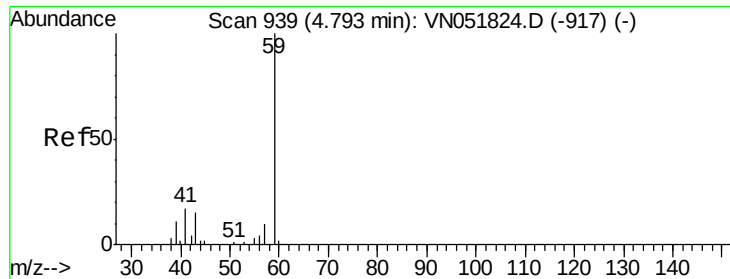
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#22
 cis-1,2-Dichloroethene
 Concen: 19.67 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	121.1	124.5	186.7#
98	64.8	51.9	77.9





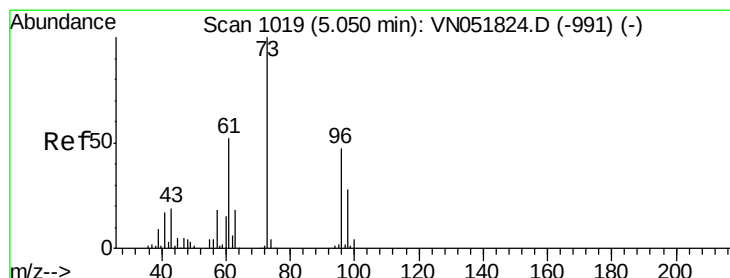
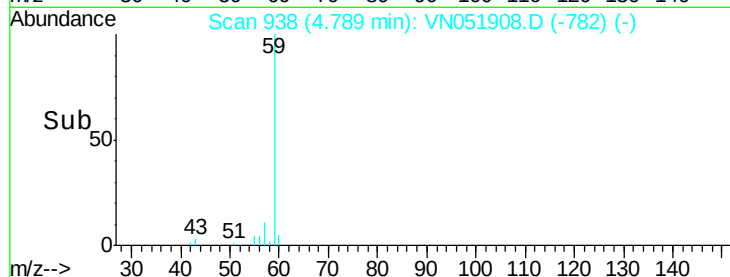
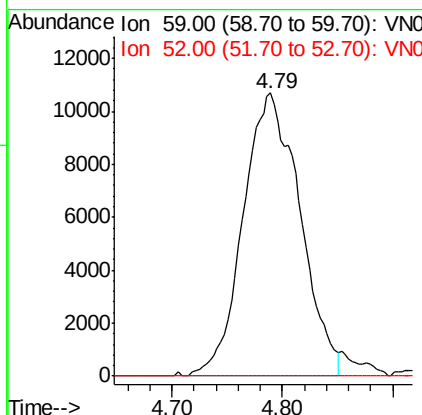
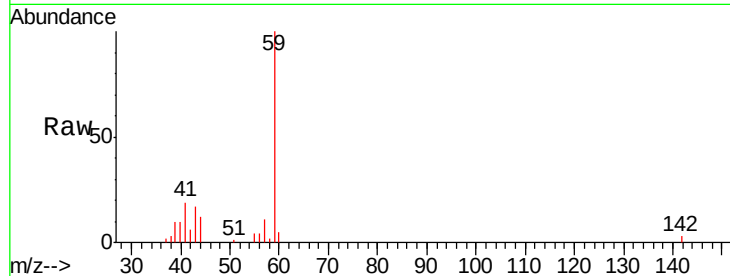
#23
 tert-Butyl Alcohol
 Concen: 90.46 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 59 Resp: 38099
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

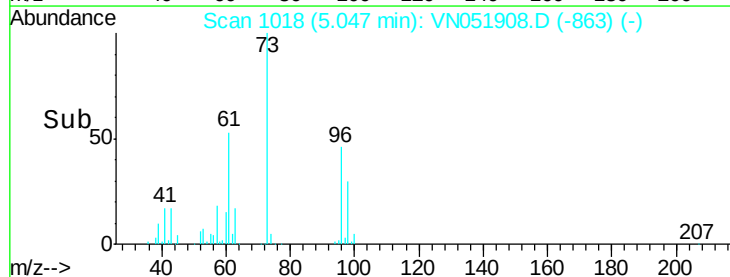
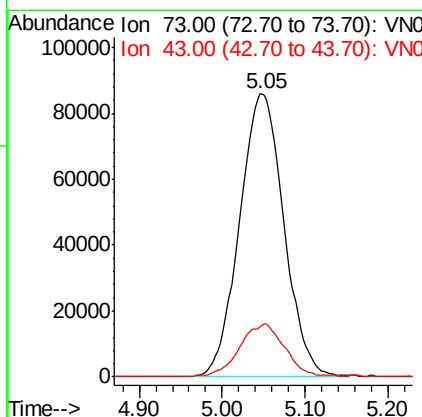
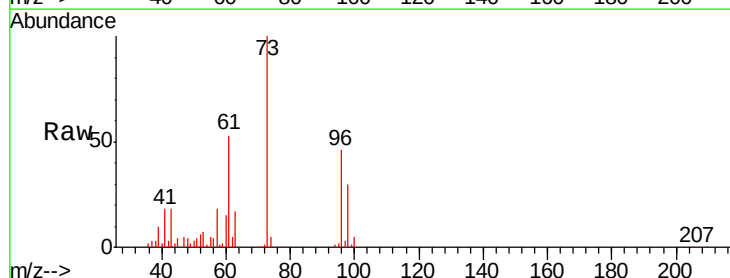
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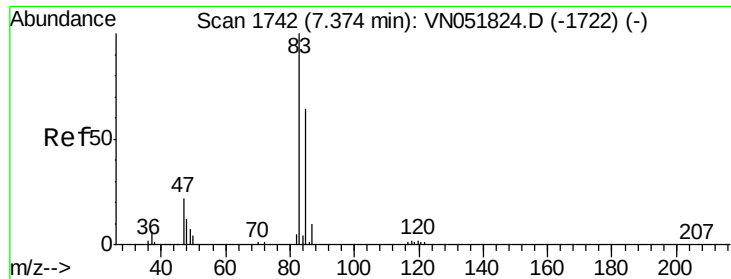
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 19.20 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 73 Resp: 318712
 Ion Ratio Lower Upper
 73 100
 43 8.0 5.4 8.0





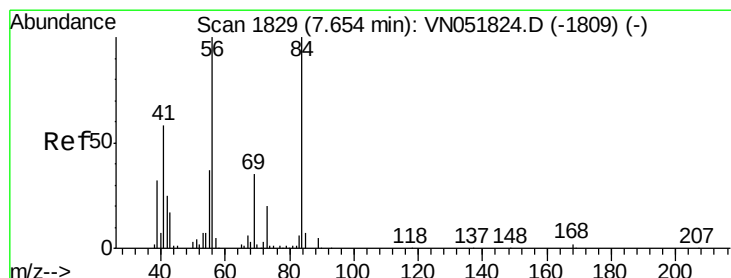
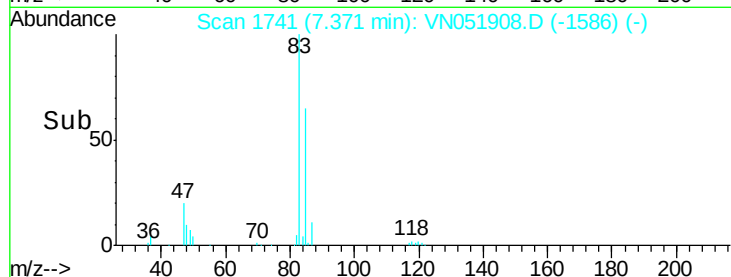
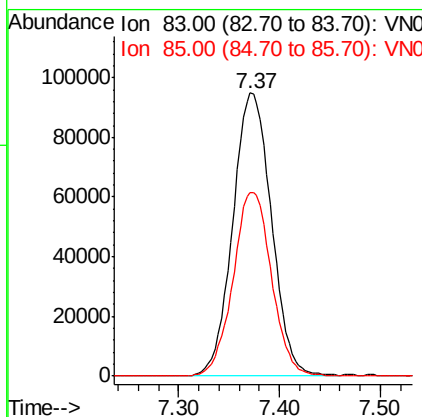
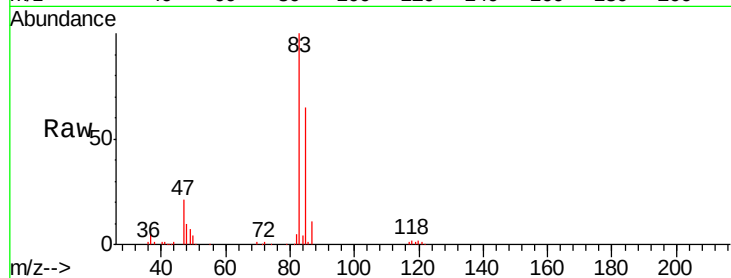
#25
Chloroform
Concen: 19.98 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 252329
Ion Ratio Lower Upper
83 100
85 64.5 54.6 82.0

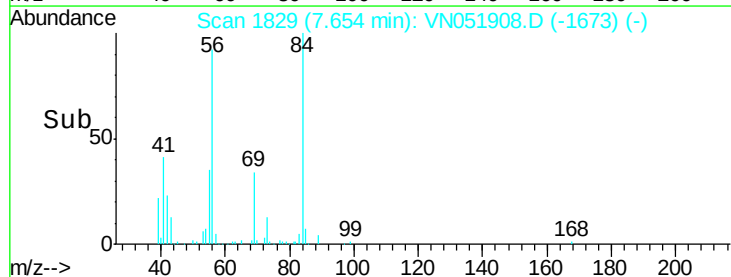
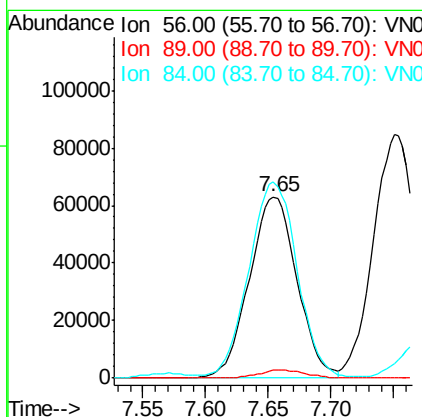
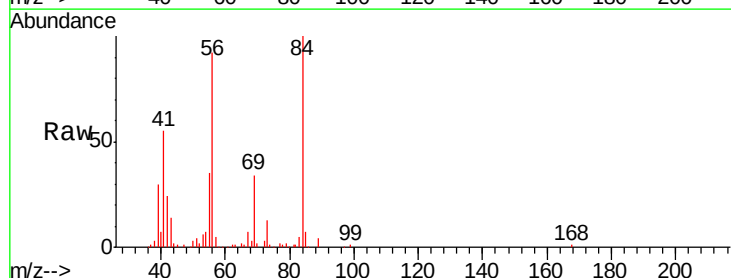
Manual Integrations
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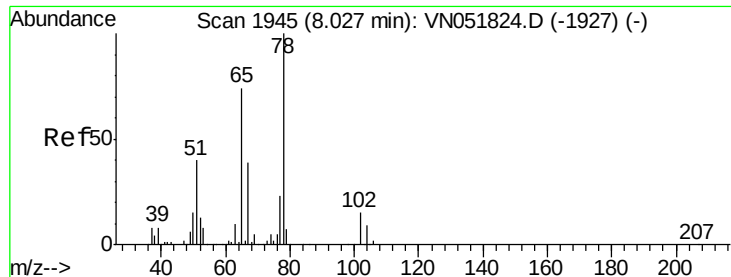
MMDadoda
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#26
Cyclohexane
Concen: 18.50 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 56 Resp: 166950
Ion Ratio Lower Upper
56 100
89 4.4 1.5 2.3#
84 110.3 64.2 96.4#





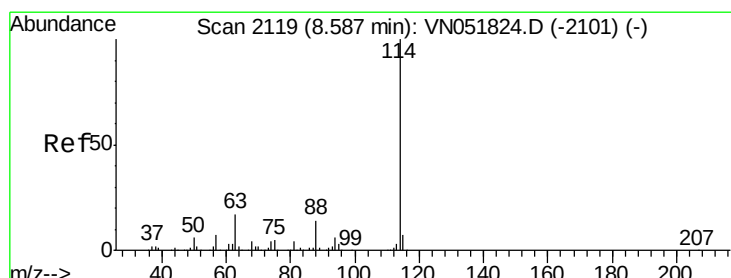
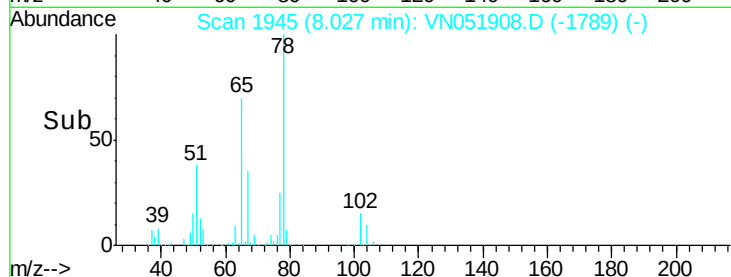
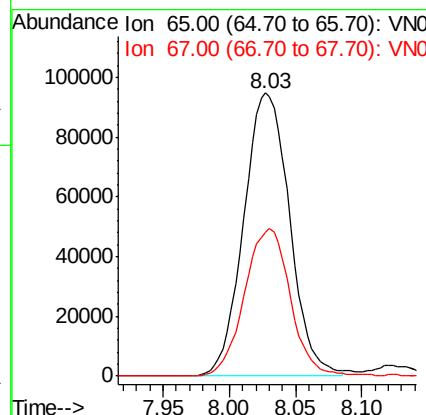
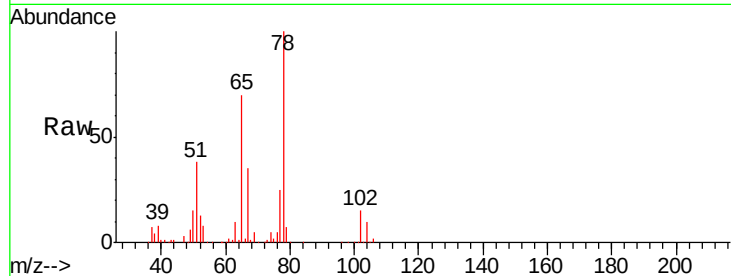
#27
 1,2-Dichloroethane-d4
 Concen: 18.50 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	41.8	62.8

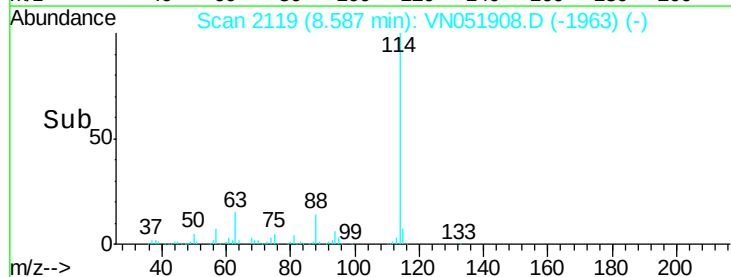
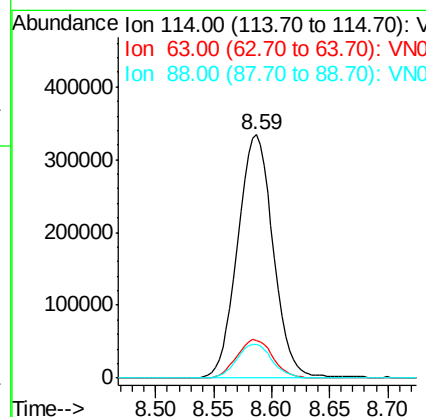
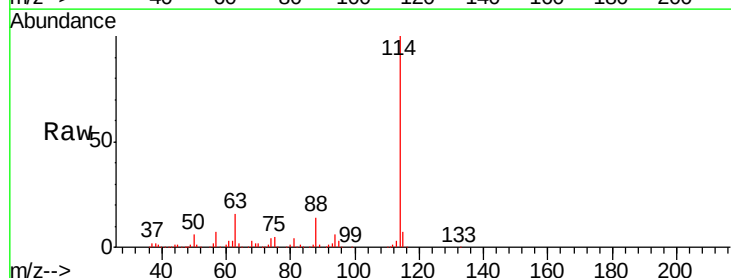
Manual Integrations
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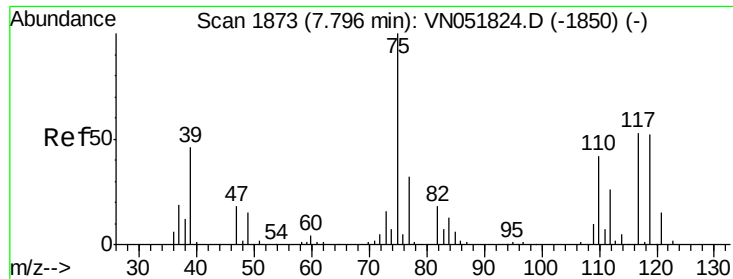
MMDadoda
 10/19/2018 4:37:52 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.9	16.2	24.2#
88	13.8	12.2	18.4





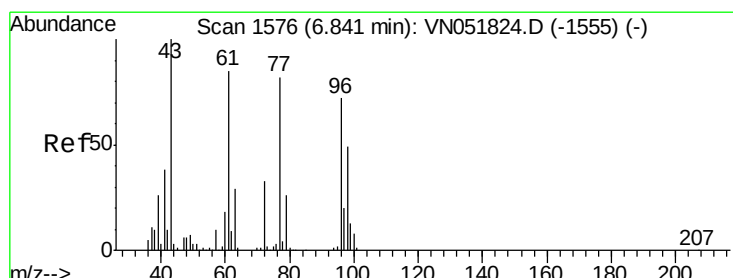
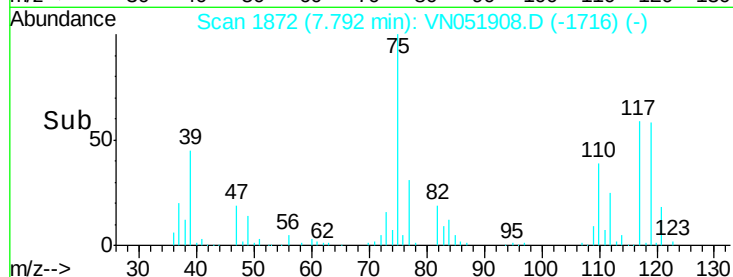
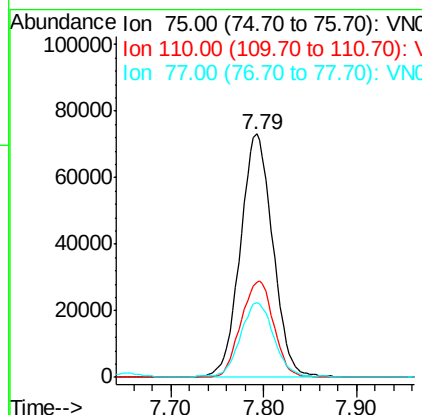
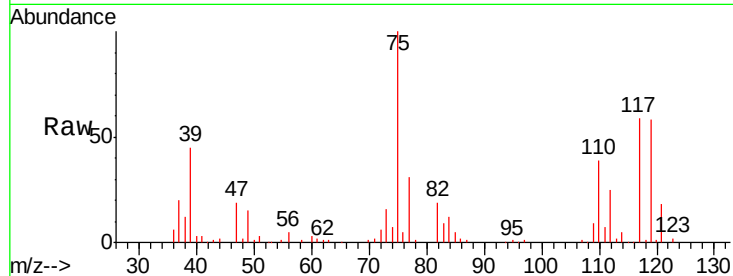
#29
 1,1-Dichloropropene
 Concen: 19.43 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	39.9	0.0	70.8
77	31.1	0.0	61.6

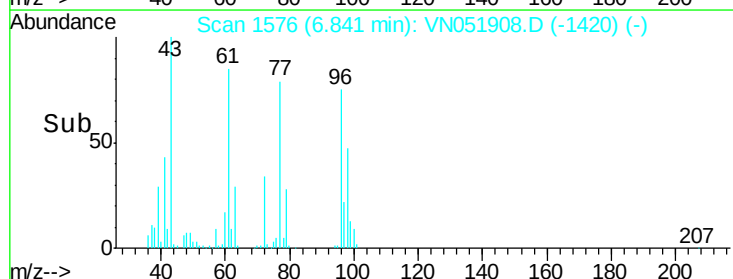
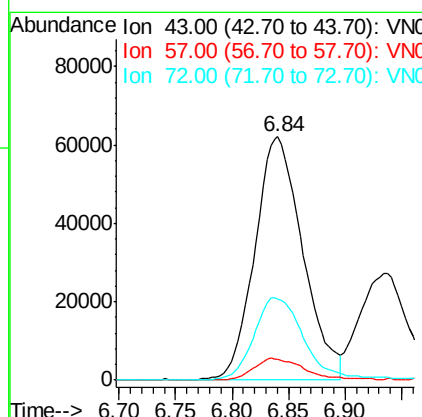
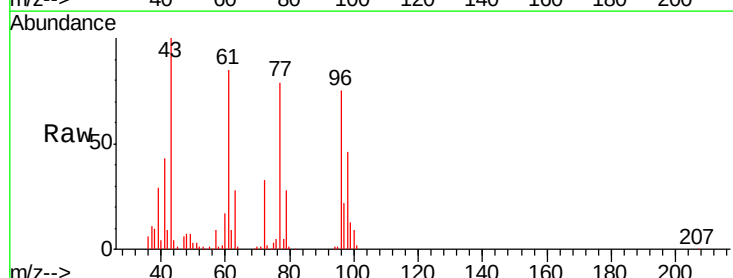
Manual Integrations
 APPROVED

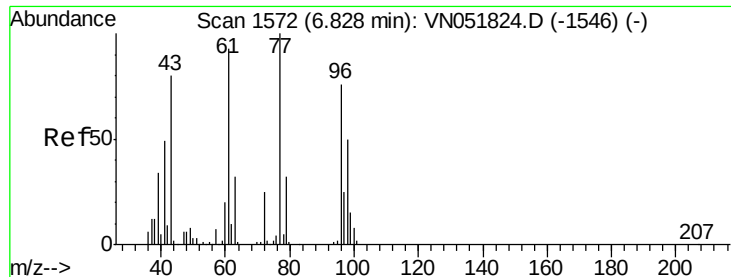
MMDadoda
 10/19/2018 4:37:52 PM



#30
 2-Butanone
 Concen: 95.13 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.9	4.5	6.7#
72	34.8	21.5	32.3#





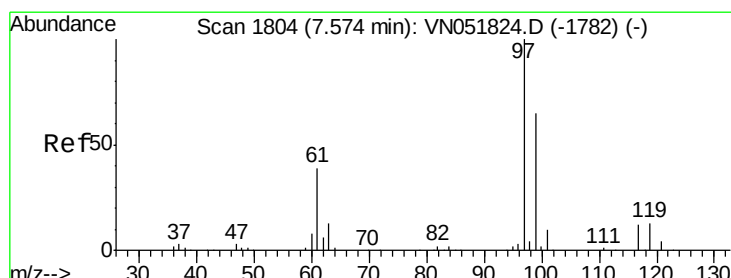
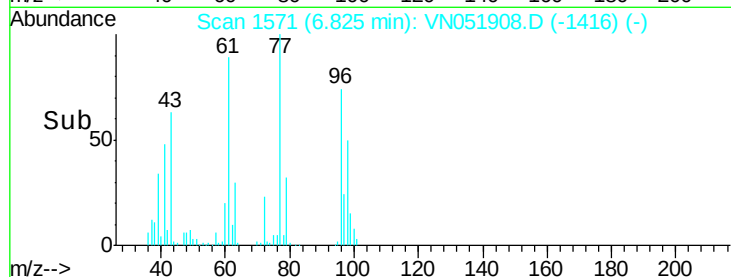
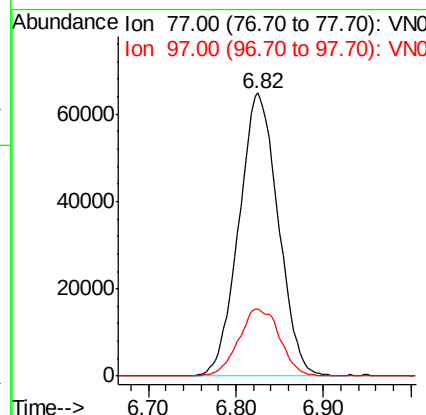
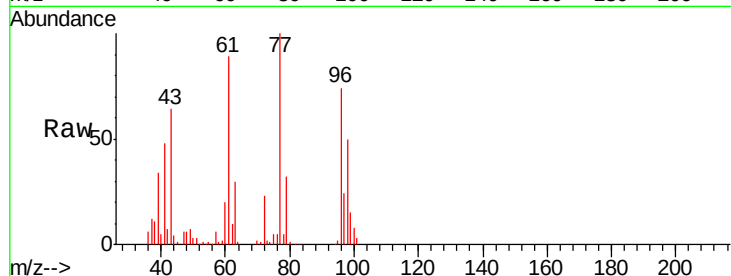
#31
 2,2-Dichloropropane
 Concen: 18.72 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 202065
 Ion Ratio Lower Upper
 77 100
 97 24.8 12.0 18.0#

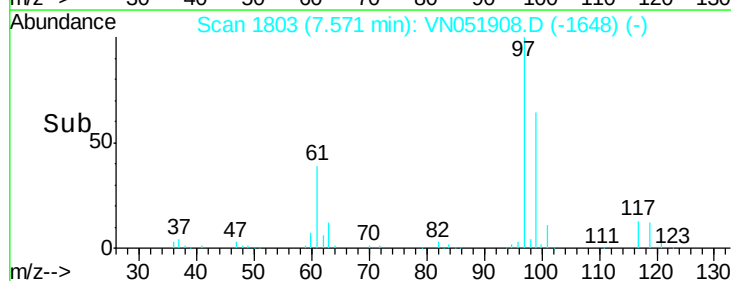
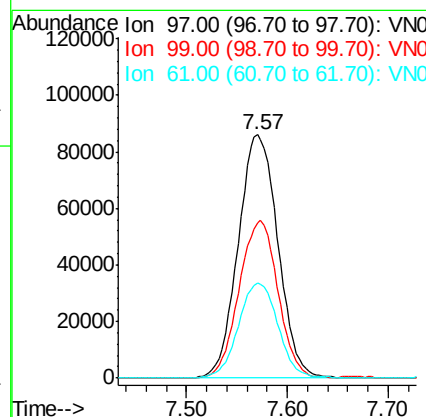
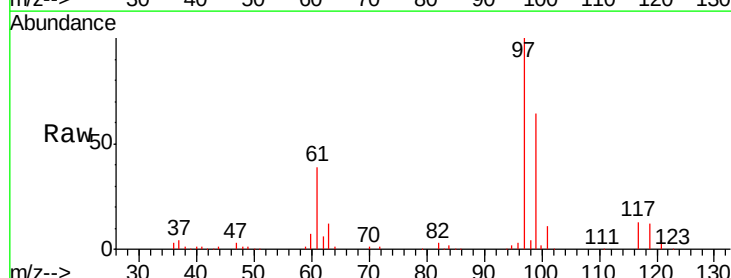
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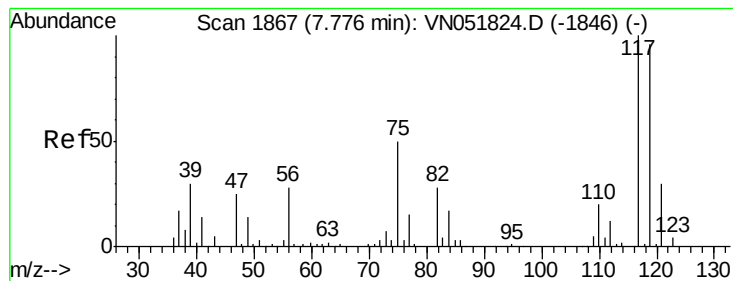
MMDadoda
 10/19/2018 4:37:52 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.34 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 97 Resp: 235231
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.6 77.4
 61 38.8 37.4 56.0





#33

Carbon Tetrachloride

Concen: 18.62 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

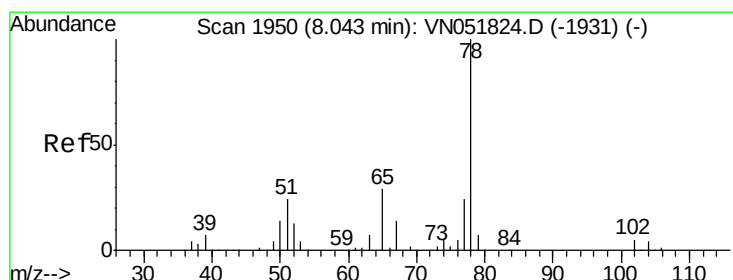
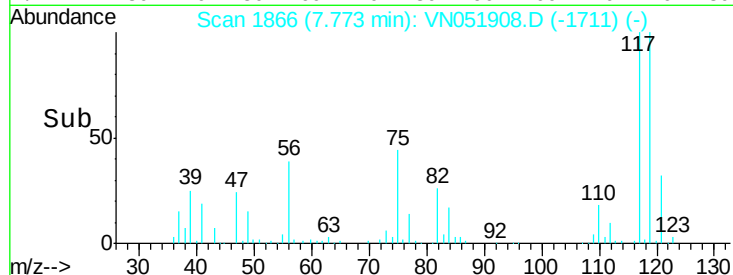
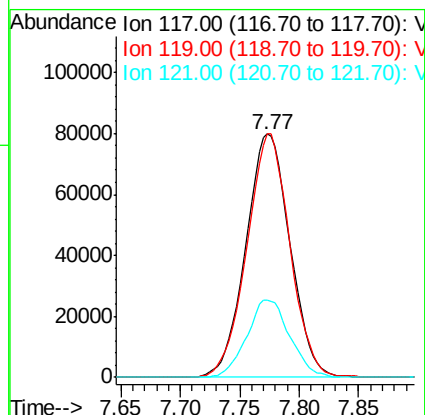
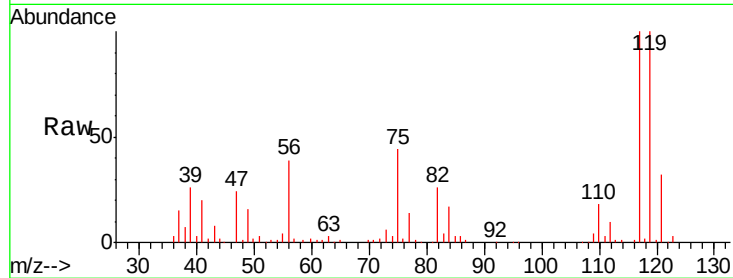
ClientSampleId :

VSTDCCC020

Tgt Ion:	117	Resp:	204959
Ion Ratio	Lower	Upper	
117	100		
119	99.8	85.1	127.7
121	31.7	24.2	36.2

Manual Integrations
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#34

Benzene

Concen: 19.11 ug/l

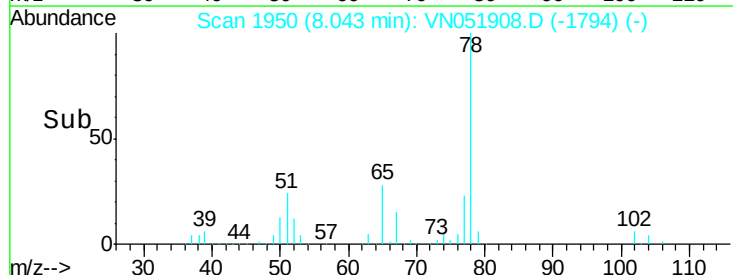
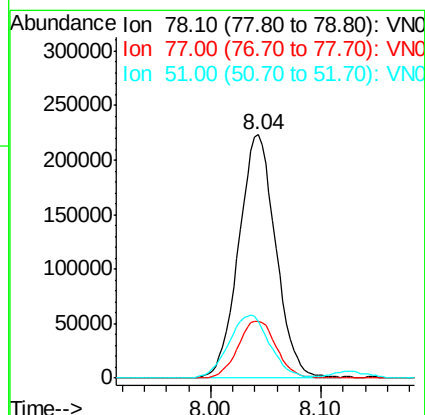
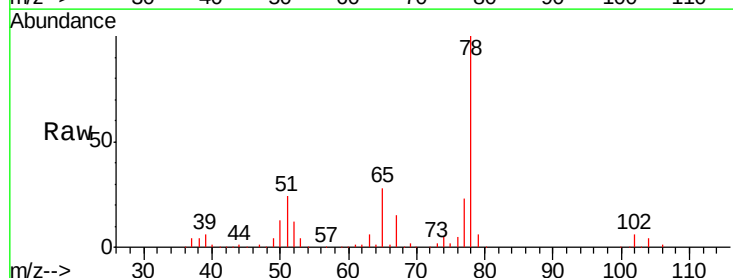
RT: 8.04 min Scan# 1950

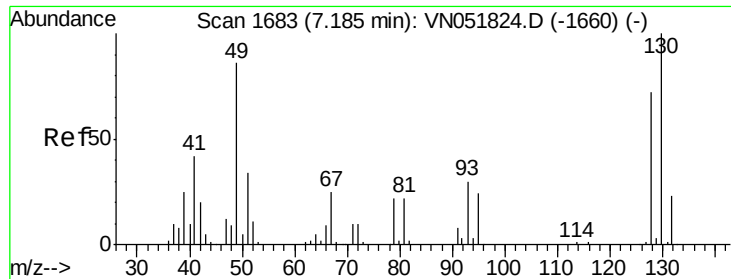
Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	78	Resp:	518820
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.8	28.2
51	23.4	46.2	69.4#





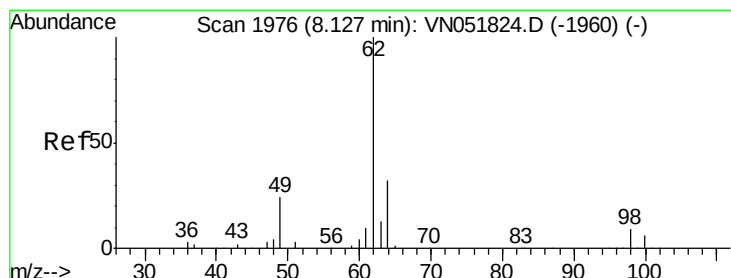
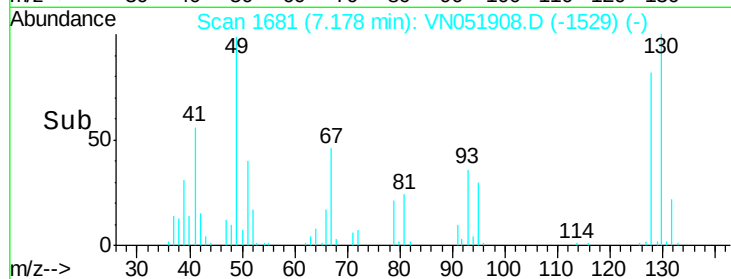
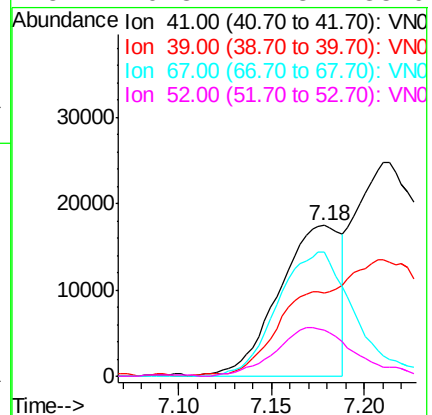
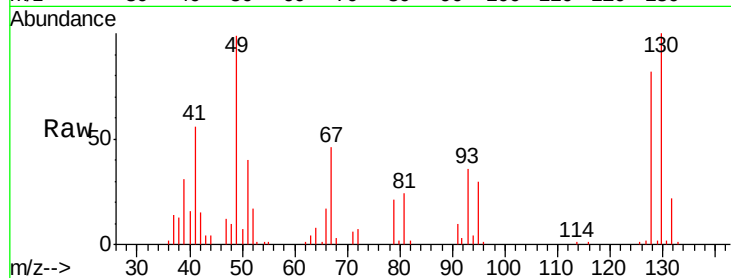
#35
Methacrylonitrile
Concen: 16.12 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.2	22.6	67.7
67	82.6	28.9	86.8
52	29.3	11.3	33.9

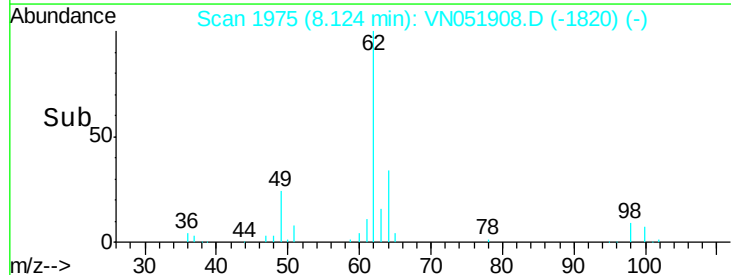
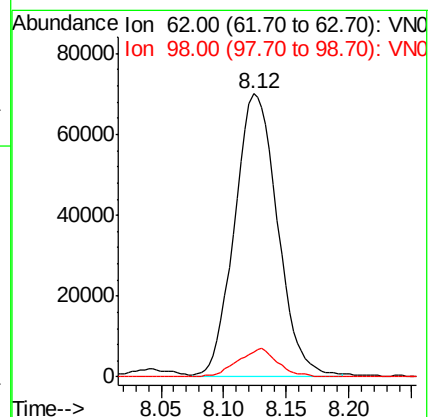
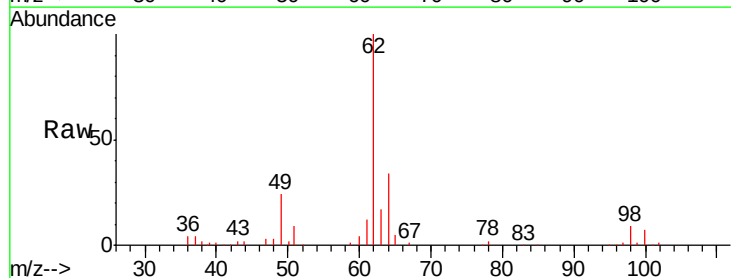
Manual Integrations
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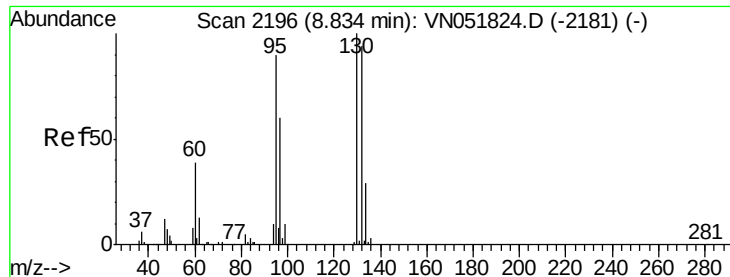
MMDadoda
10/19/2018 4:37:52 PM



#36
1,2-Dichloroethane
Concen: 19.18 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	6.9	10.3





#37

Trichloroethene

Concen: 19.25 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 130 Resp: 162207

Ion Ratio Lower Upper

130 100

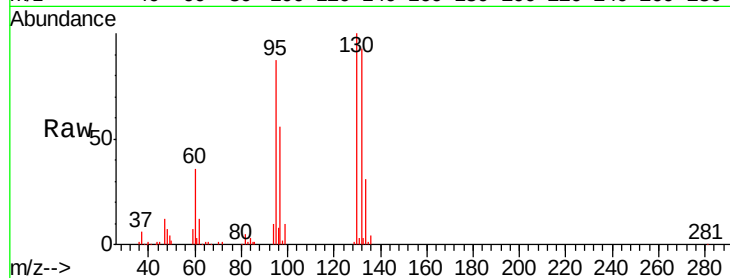
95 87.1 76.4 114.6

Manual Integrations

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10/19/2018 4:37:52 PM



Abundance Ion 129.90 (129.60 to 130.60): VN051908.D (-2116) (-)

Ion 94.90 (94.60 to 95.60): VN051908.D (-2116) (-)

8.84

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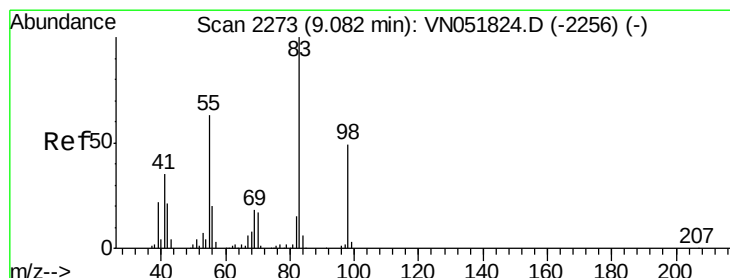
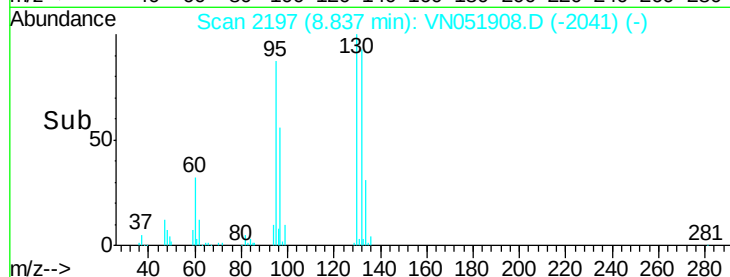
8.84

8.84

8.84

8.84

8.84



#38

Methylcyclohexane

Concen: 18.43 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

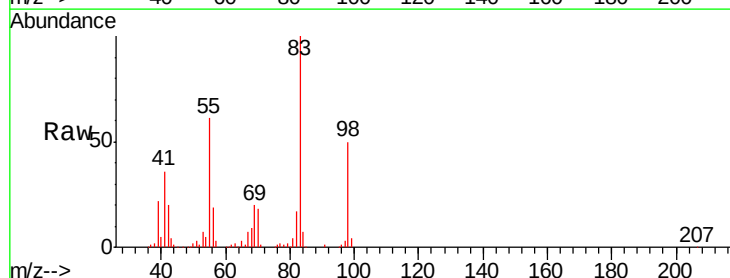
Tgt Ion: 83 Resp: 216863

Ion Ratio Lower Upper

83 100

55 60.7 43.0 129.2

98 50.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051908.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN051908.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN051908.D (-2116) (-)

9.08

9.08

9.08

9.08

9.08

9.08

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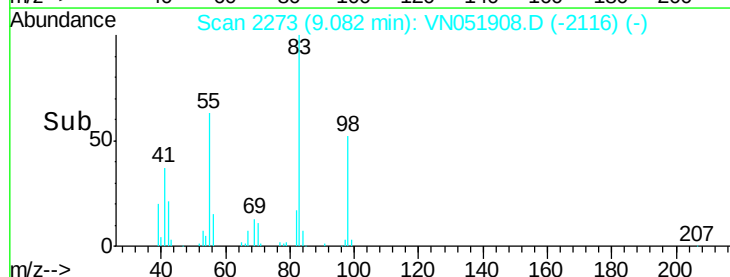
9.08

9.08

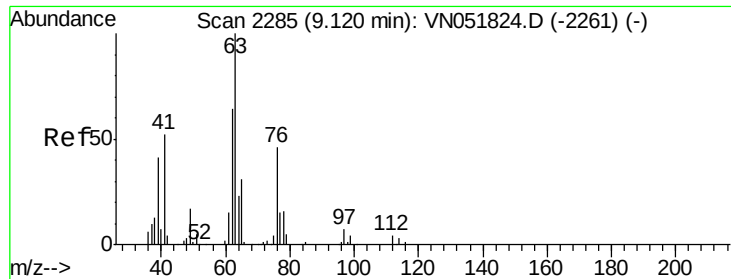
9.08

9.08

9.08



Time-->



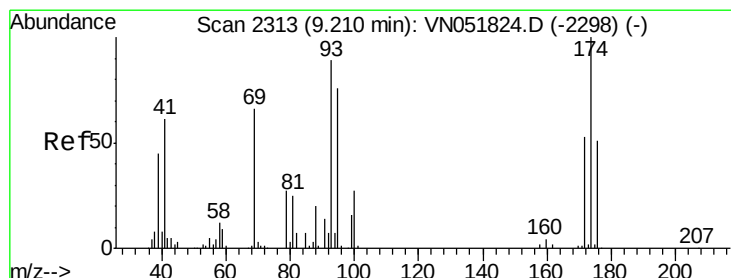
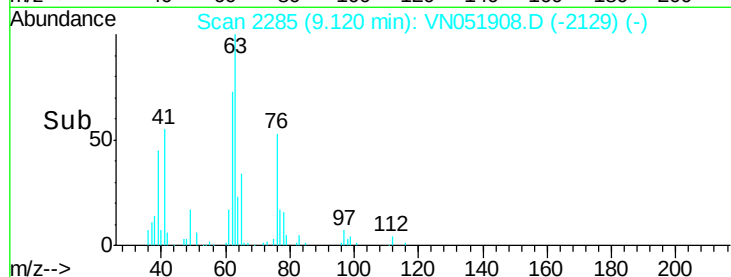
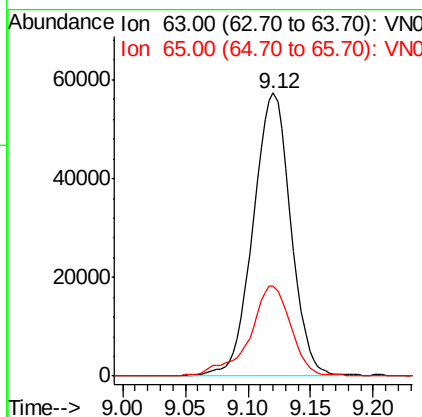
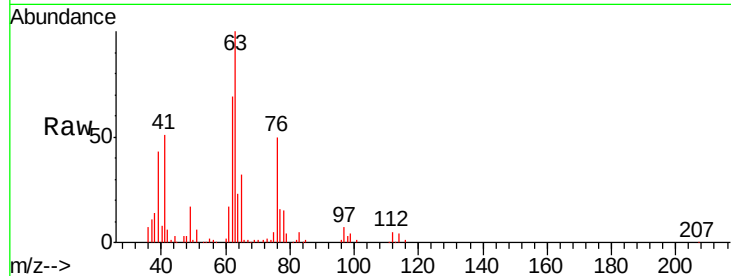
#39
 1,2-Dichloropropane
 Concen: 18.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 119949
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.2 34.8

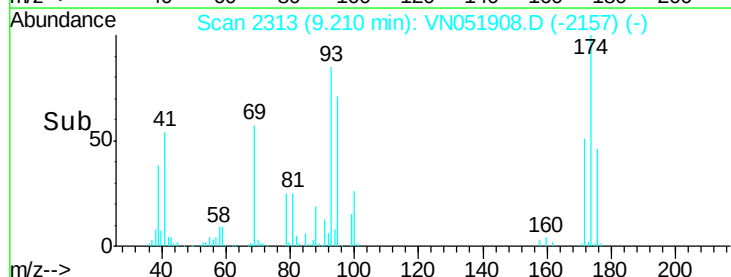
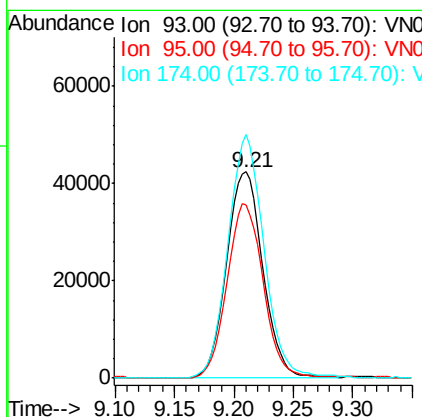
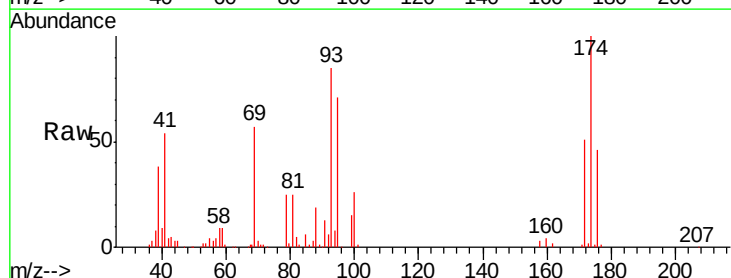
Manual Integrations
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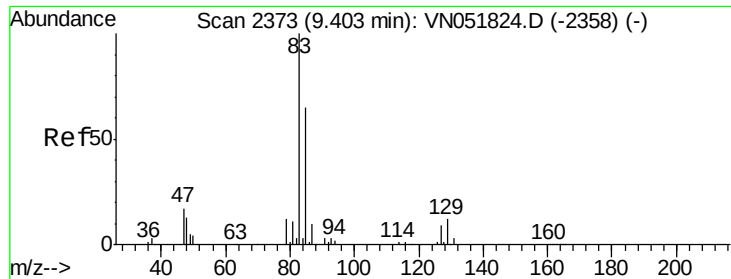
MMDadoda
 10/19/2018 4:37:52 PM



#40
 Dibromomethane
 Concen: 18.99 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 93 Resp: 90097
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 162.0
 174 116.1 0.0 214.0





#41

Bromodichloromethane

Concen: 18.27 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

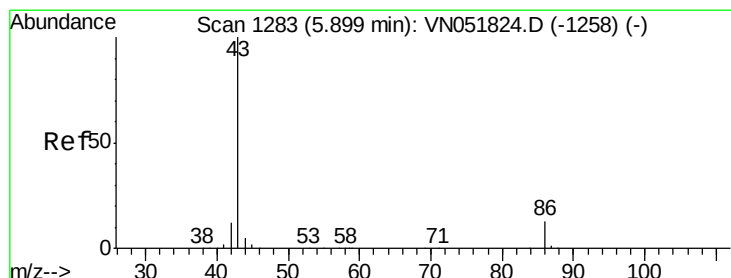
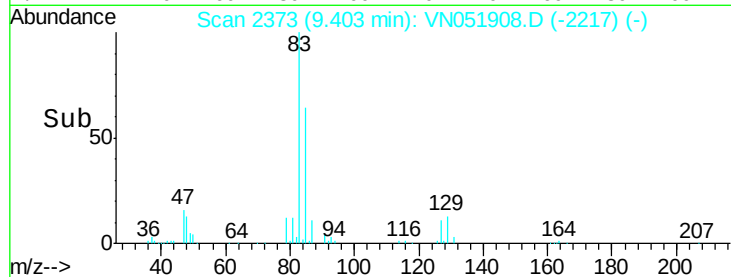
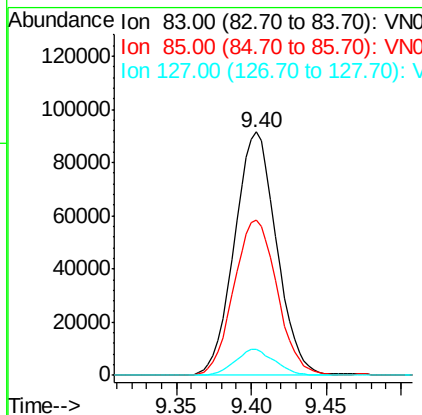
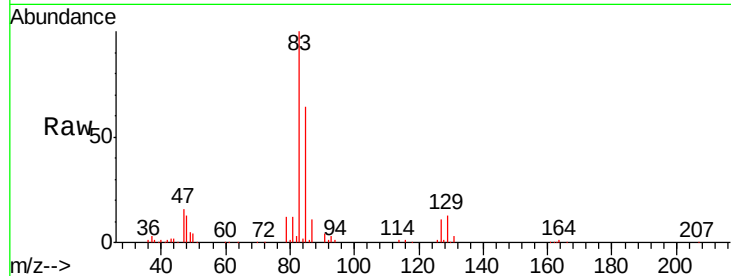
ClientSampleId :

VSTDCCC020

Tgt Ion:	83	Resp:	179044
Ion	Ratio	Lower	Upper
83	100		
85	63.7	55.7	83.5
127	10.6	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 87.59 ug/l

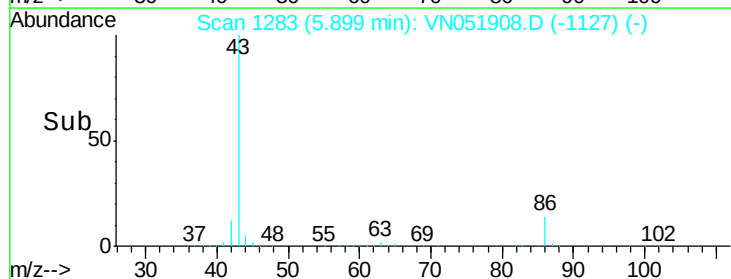
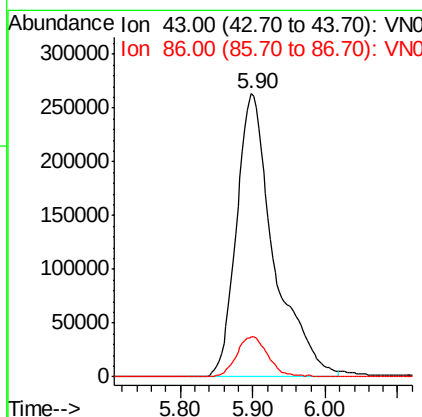
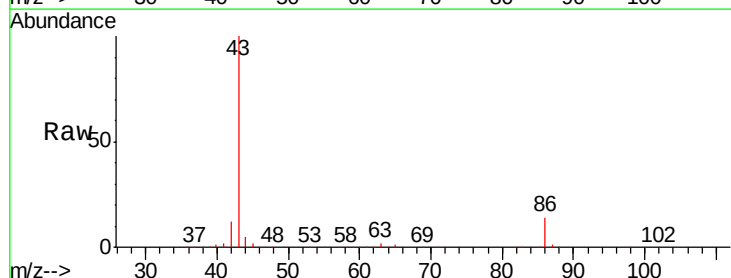
RT: 5.90 min Scan# 1283

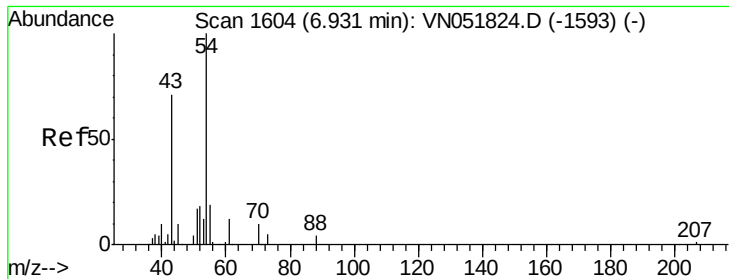
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	43	Resp:	945708
Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.5	9.7#





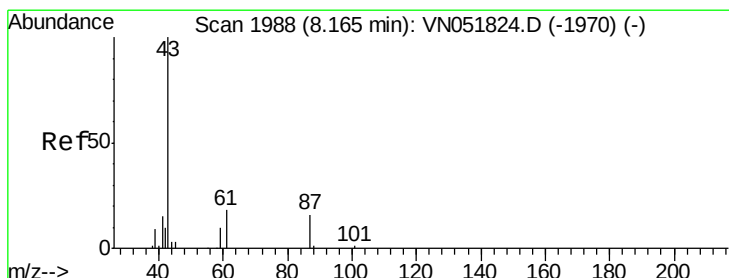
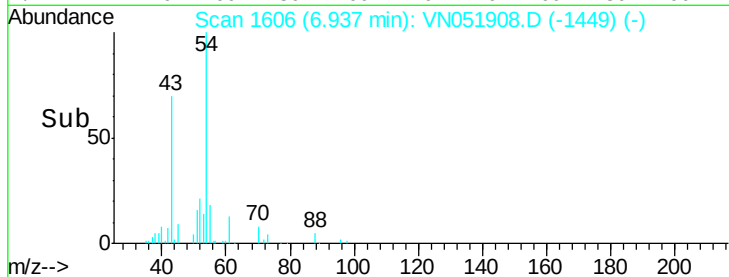
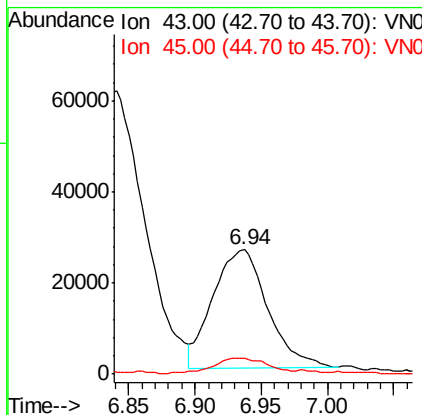
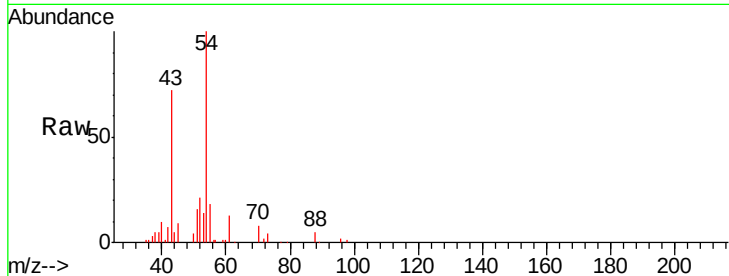
#43
Ethyl Acetate
Concen: 17.98 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 74873
Ion Ratio Lower Upper
43 100
45 12.8 11.0 16.6

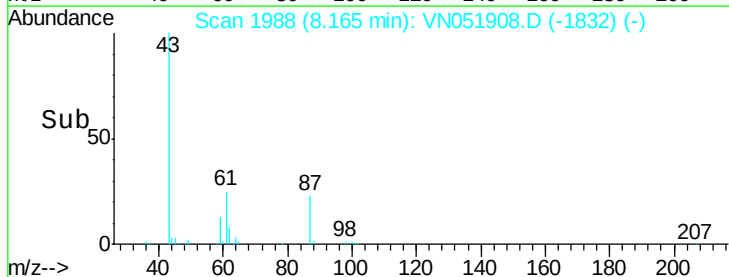
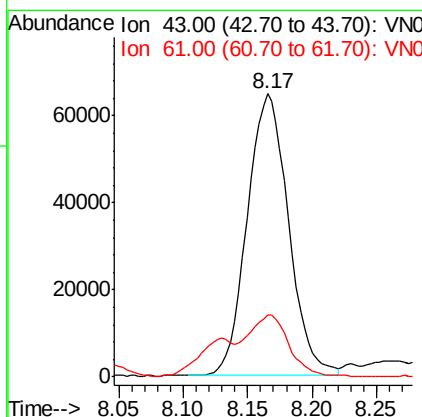
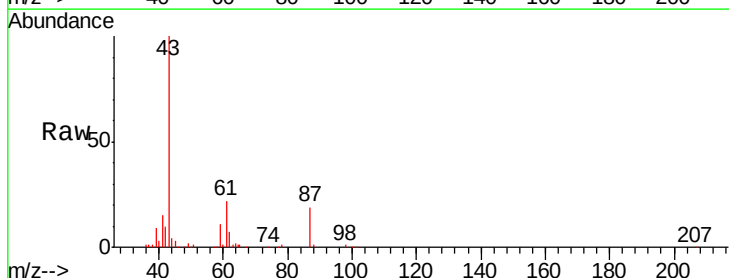
Manual Integrations
APPROVED

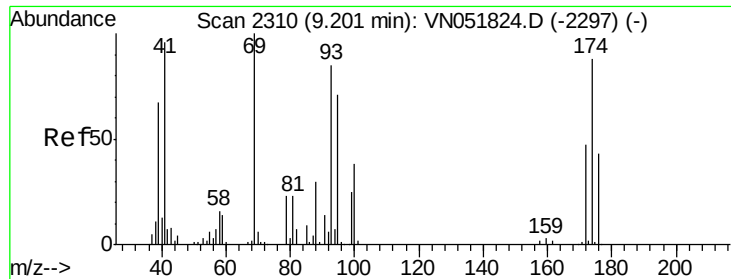
MMDadoda
10/19/2018 4:37:52 PM



#44
Isopropyl Acetate
Concen: 17.38 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 43 Resp: 144550
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9





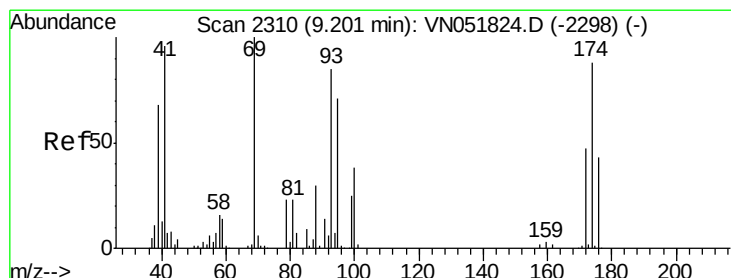
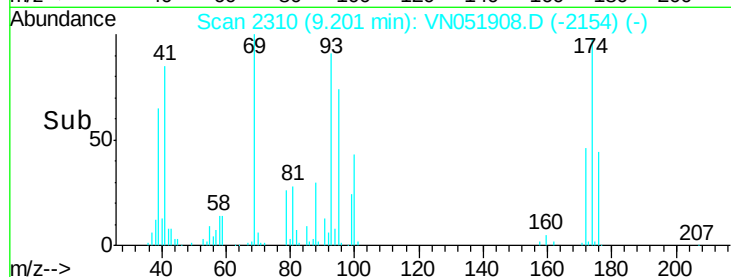
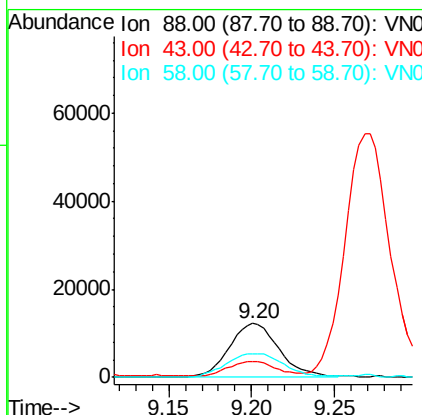
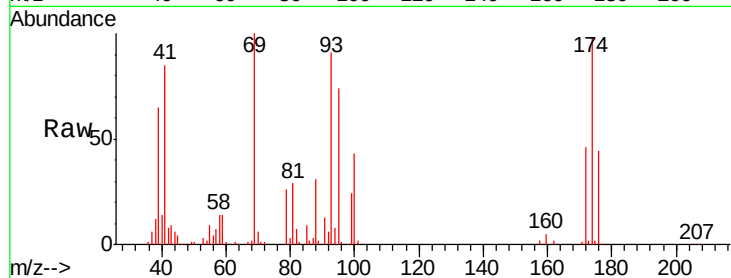
#45
1,4-Dioxane
Concen: 382.52 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	25.7	26.2	39.2#
58	50.6	65.6	98.4#

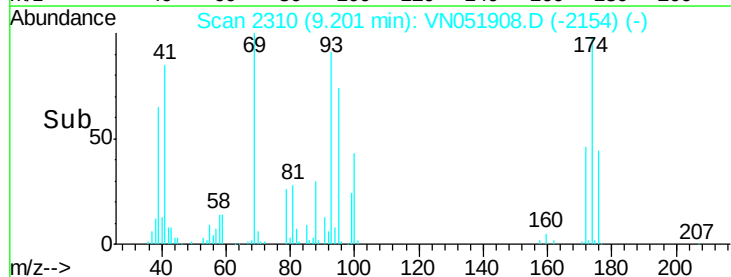
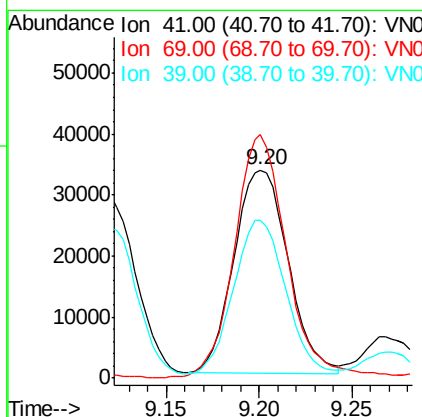
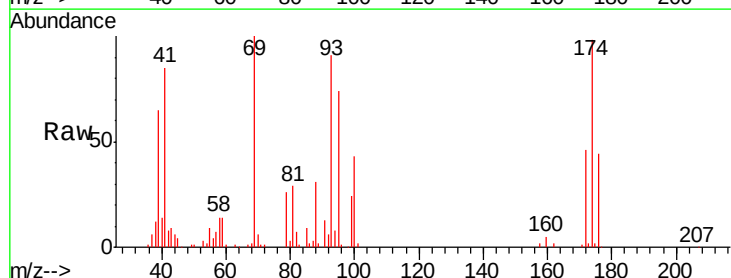
Manual Integrations
APPROVED

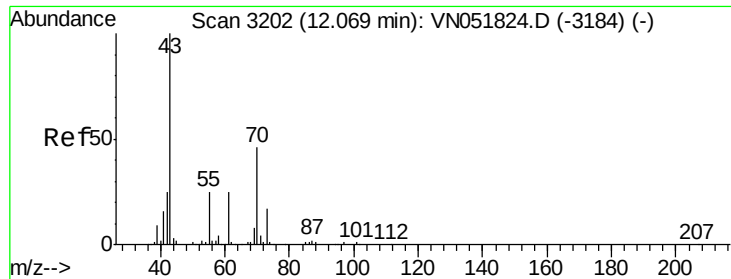
MMDadoda
10/19/2018 4:37:52 PM



#46
Methyl methacrylate
Concen: 17.54 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	118.4	40.7	122.1
39	75.9	27.3	81.9





#47

n-amyl Acetate

Concen: 15.14 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 105416

Ion Ratio Lower Upper

43 100

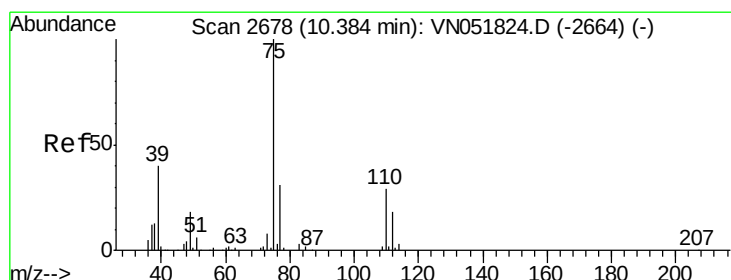
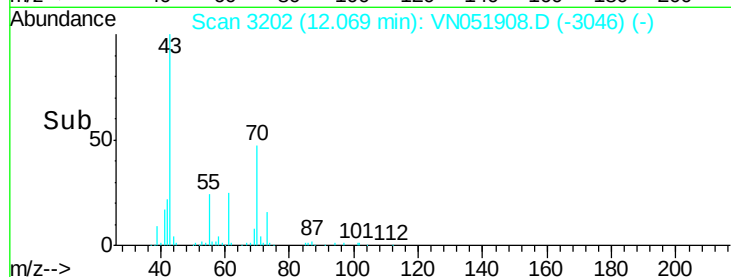
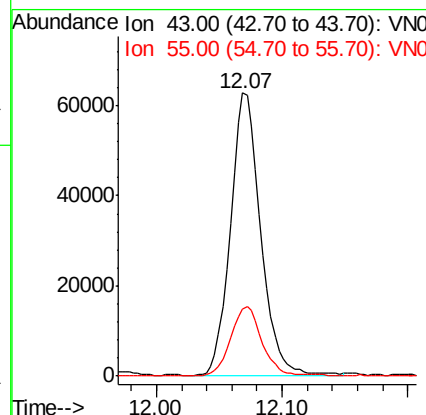
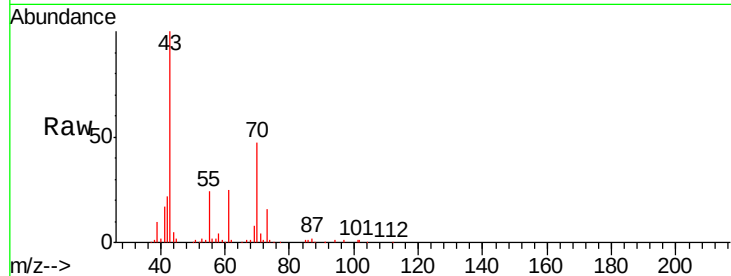
55 0.2 12.2 18.4#

Manual Integrations

APPROVED

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#48

t-1,3-Dichloropropene

Concen: 16.98 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051908.D

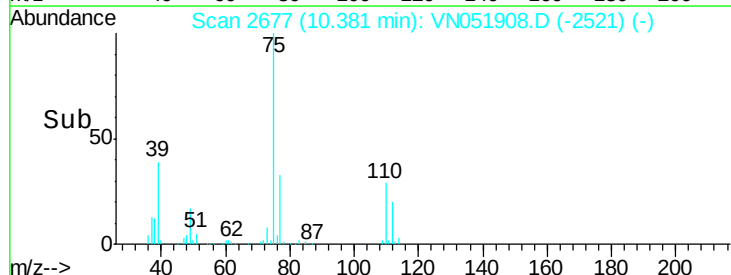
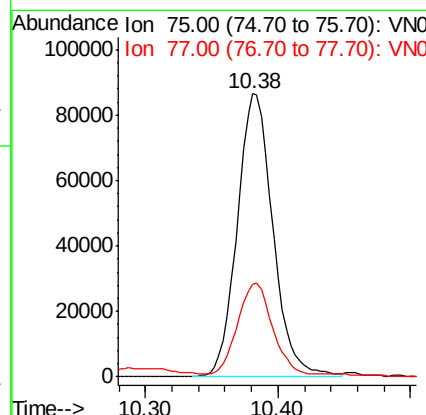
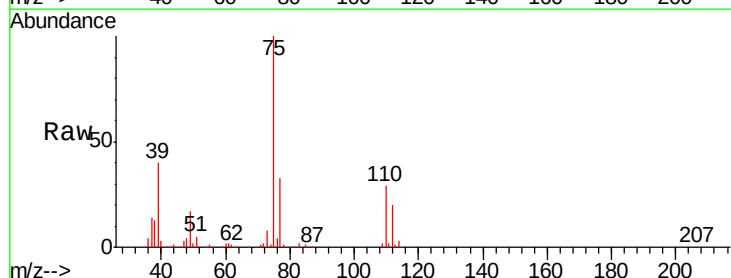
Acq: 18 Oct 2018 11:19

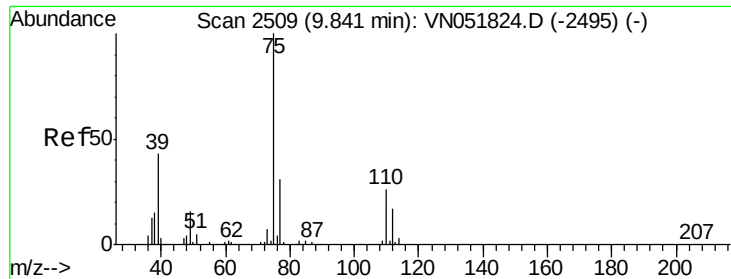
Tgt Ion: 75 Resp: 162227

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0





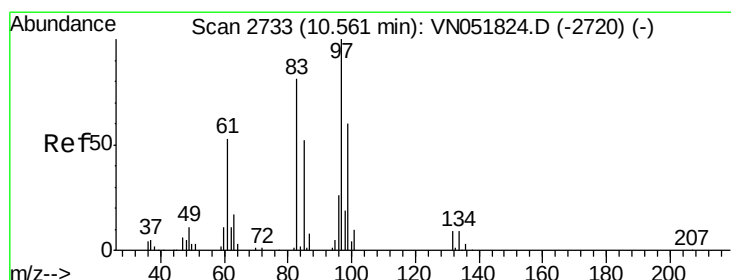
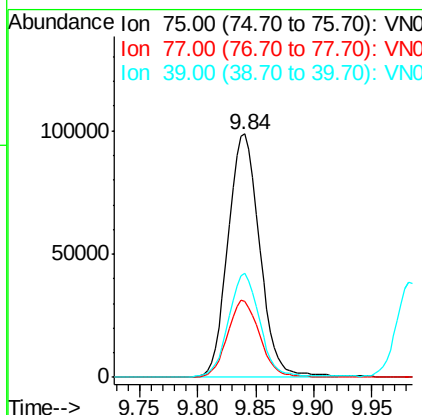
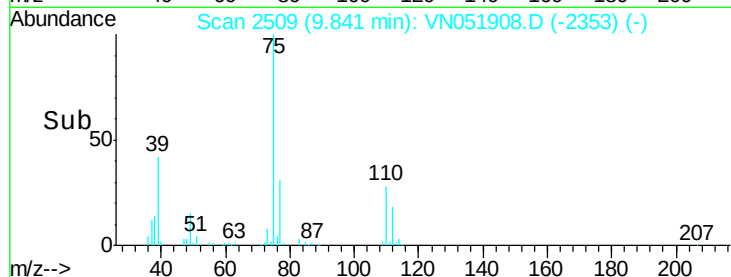
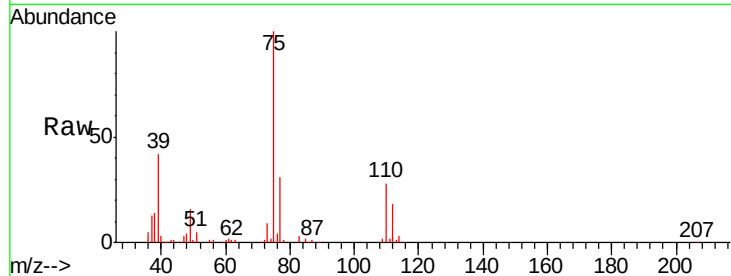
#49
 cis-1,3-Dichloropropene
 Concen: 17.79 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.2	34.8
39	42.3	34.6	52.0

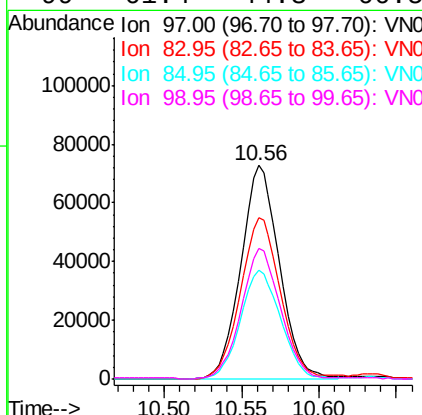
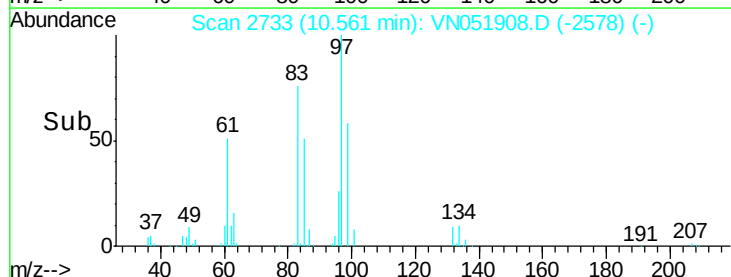
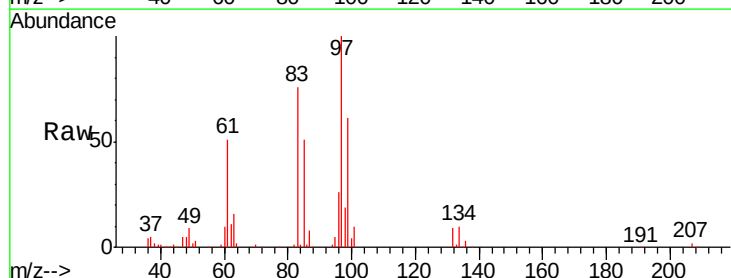
Manual Integrations
 APPROVED

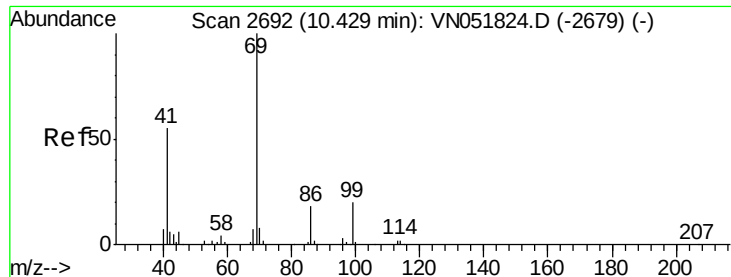
MMDadoda
 10/19/2018 4:37:52 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.21 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	75.9	68.2	102.4
85	51.2	42.5	63.7
99	61.4	44.3	66.5





#51

Ethyl methacrylate

Concen: 17.81 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

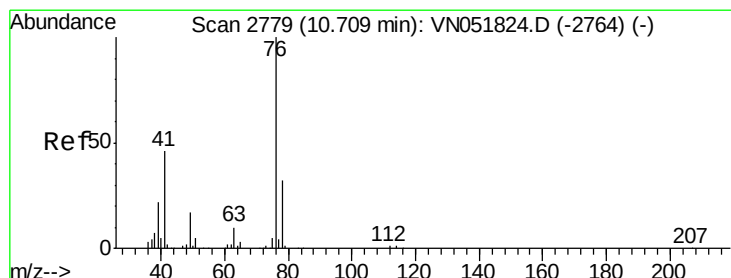
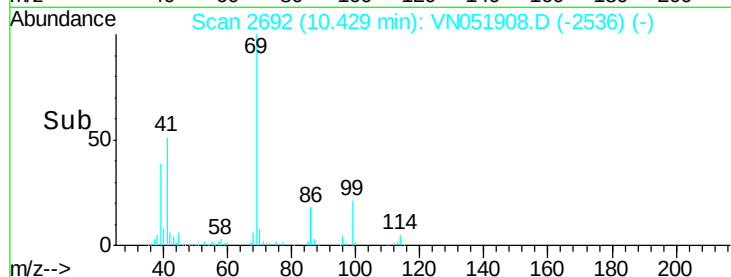
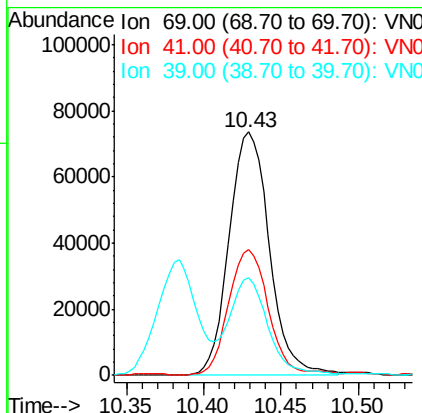
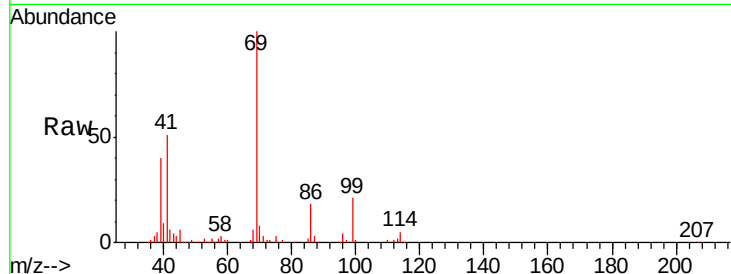
ClientSampleId :

VSTDCCC020

Tgt Ion:	69	Resp:	133690
Ion	Ratio	Lower	Upper
69	100		
41	51.0	34.4	103.1
39	39.4	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.26 ug/l

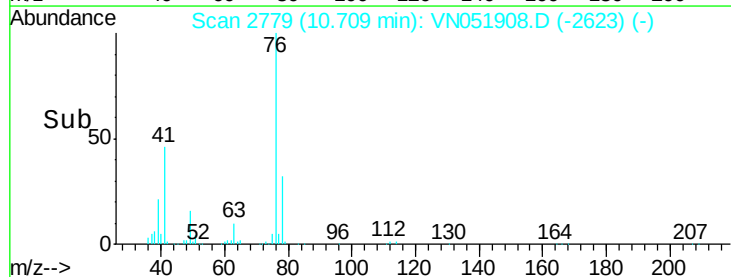
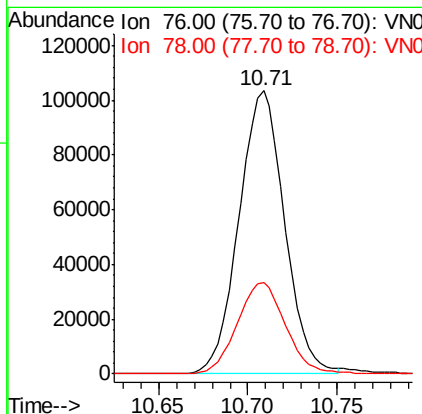
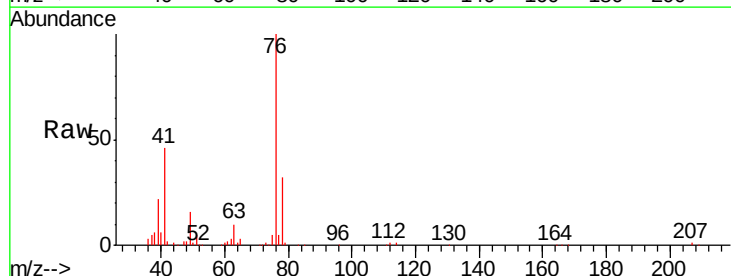
RT: 10.71 min Scan# 2779

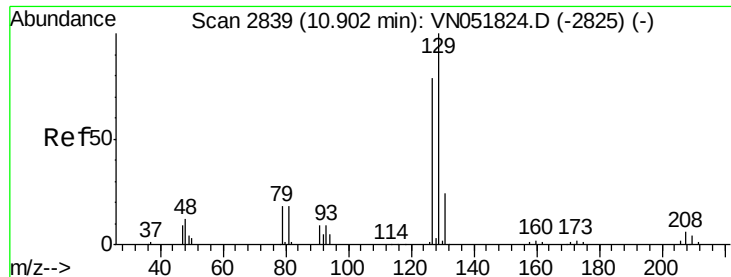
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	76	Resp:	184770
Ion	Ratio	Lower	Upper
76	100		
78	34.1	0.0	67.6





#53

Dibromochloromethane

Concen: 17.42 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 141278

Ion Ratio Lower Upper

129 100

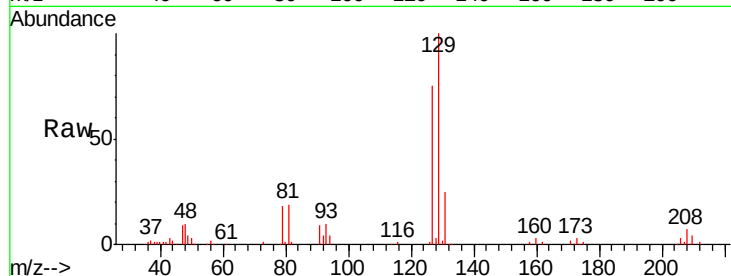
127 74.0 40.2 120.5

Manual Integrations

APPROVED

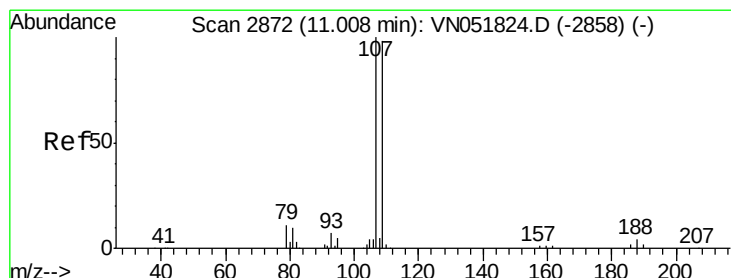
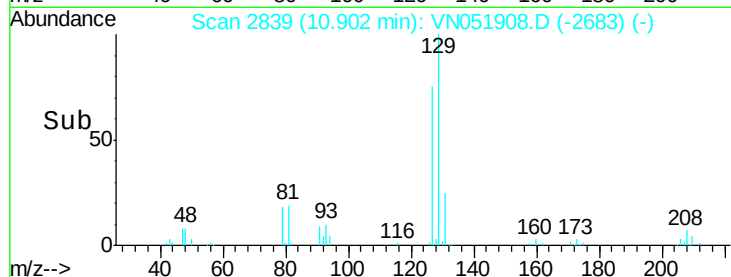
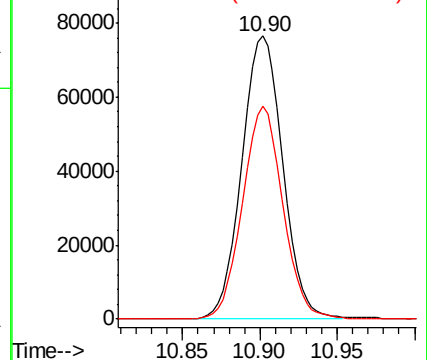
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.66 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051908.D

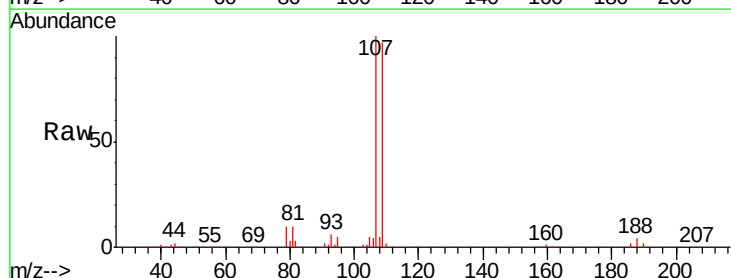
Acq: 18 Oct 2018 11:19

Tgt Ion:107 Resp: 121541

Ion Ratio Lower Upper

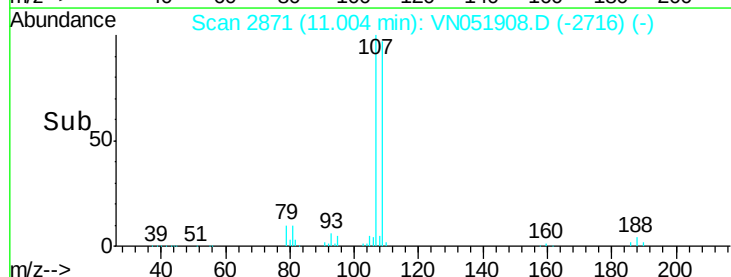
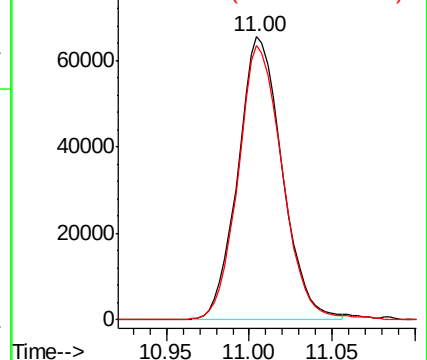
107 100

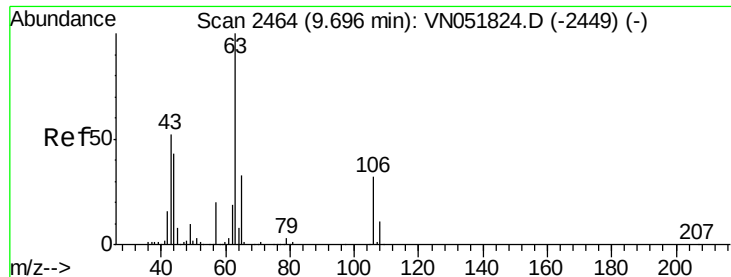
109 97.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 87.27 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 279967

Ion Ratio Lower Upper

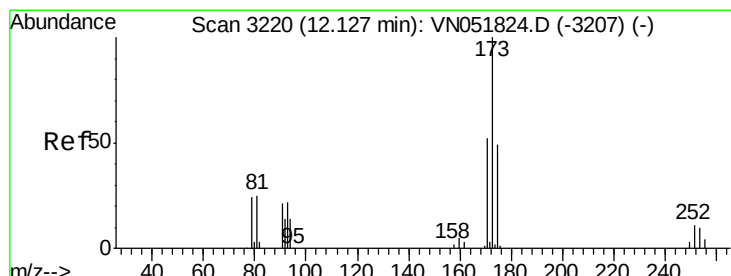
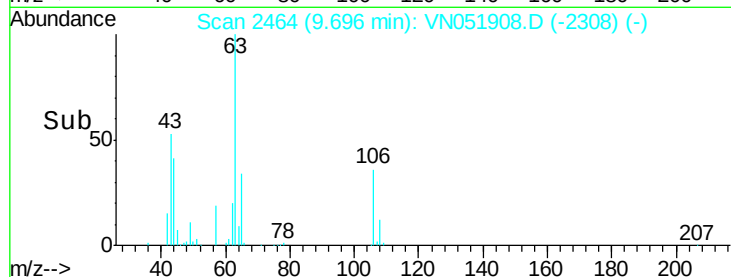
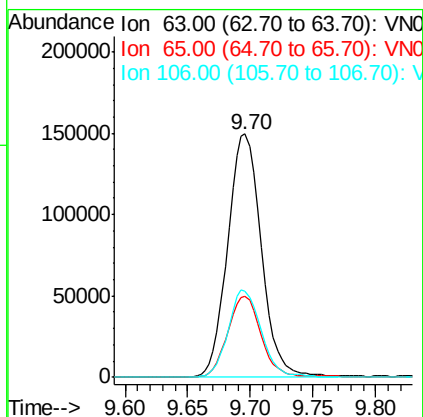
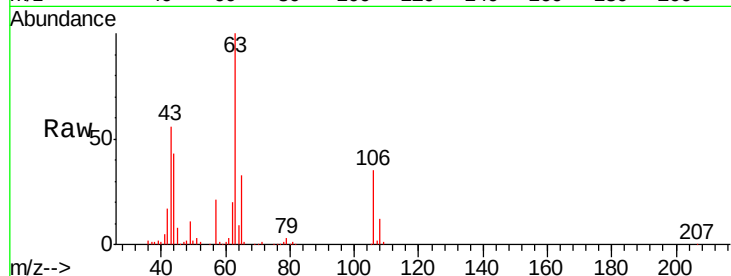
63 100

65 33.0 25.4 38.0

106 34.7 21.2 31.8#

Manual Integrations
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#56

Bromoform

Concen: 15.97 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

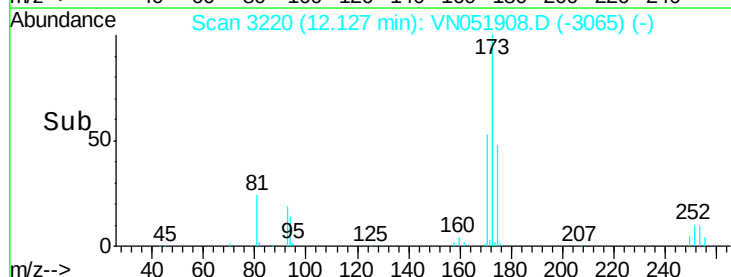
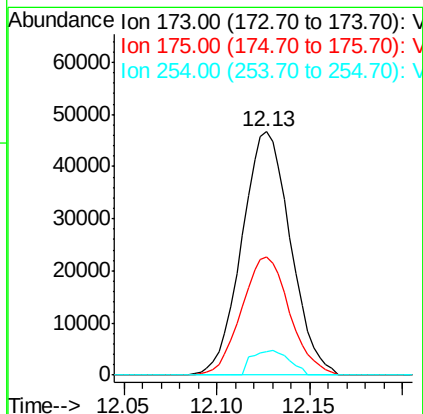
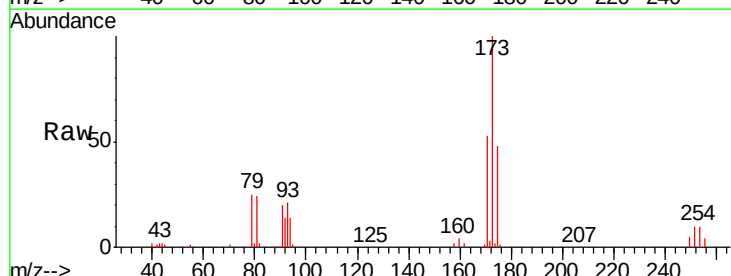
Tgt Ion: 173 Resp: 85421

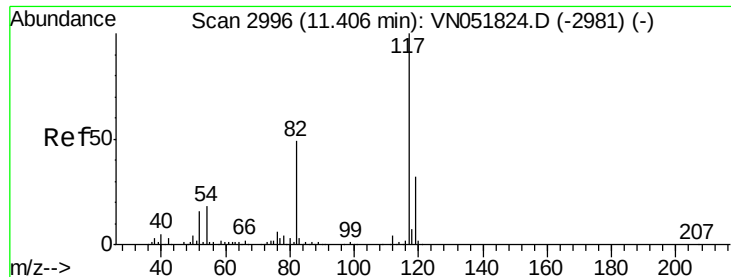
Ion Ratio Lower Upper

173 100

175 48.0 35.8 53.8

254 7.8 8.6 13.0#





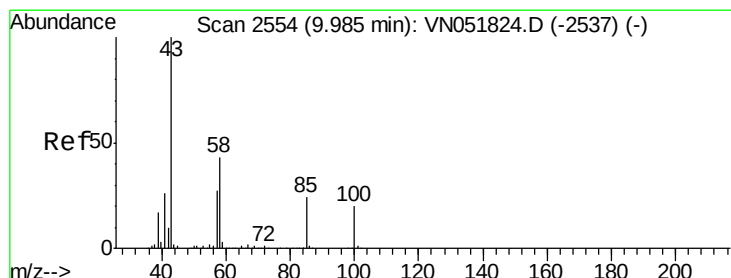
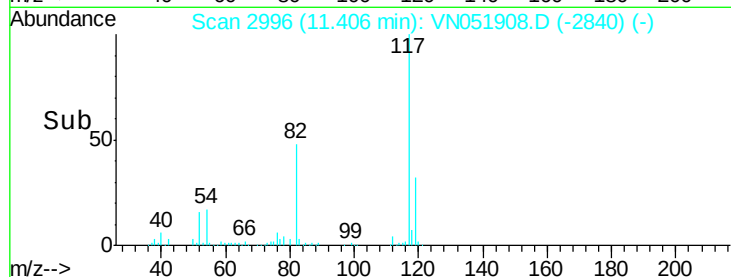
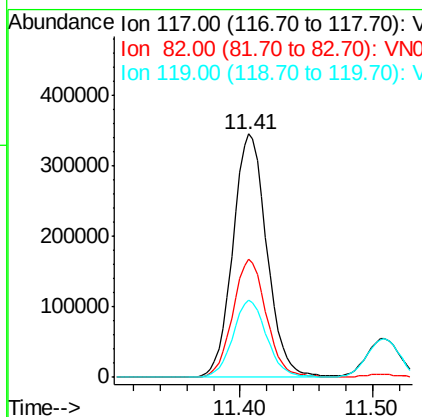
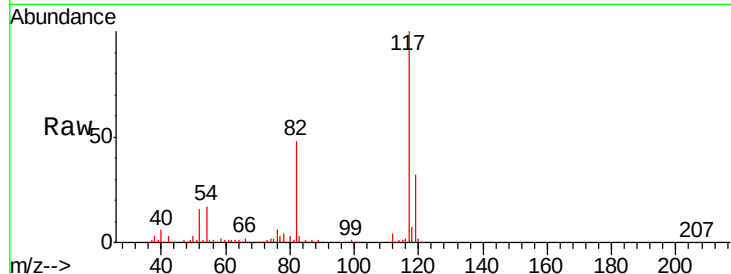
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.1	66.1
119	31.7	25.8	38.8

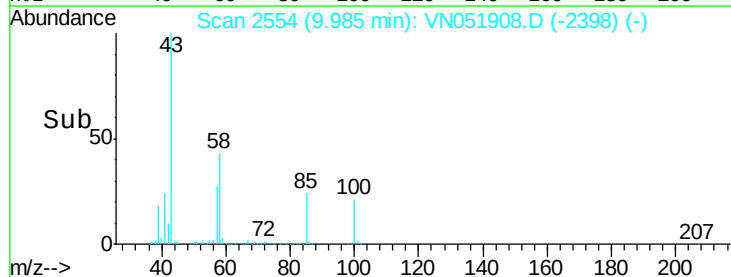
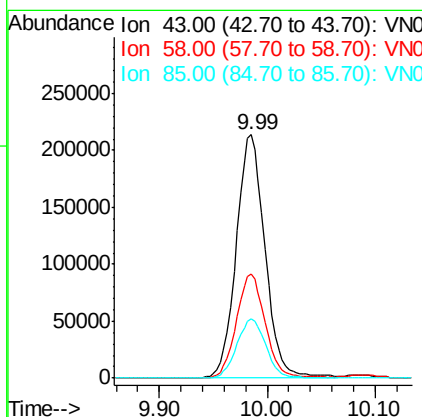
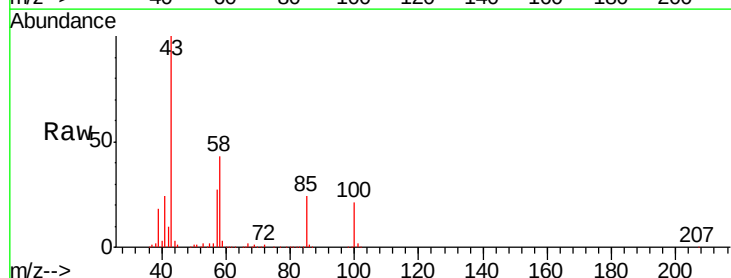
Manual Integrations
APPROVED

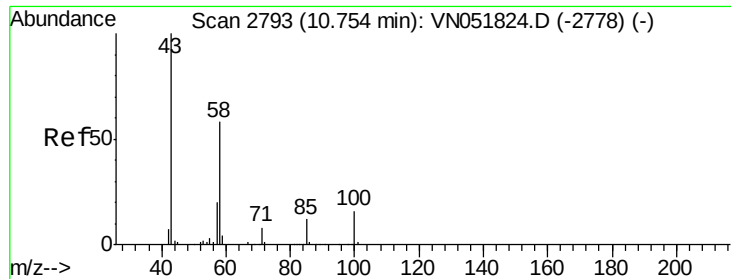
MMDadoda
10/19/2018 4:37:52 PM



#58
4-Methyl-2-Pentanone
Concen: 96.13 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	29.3	43.9
85	24.4	12.6	18.8#





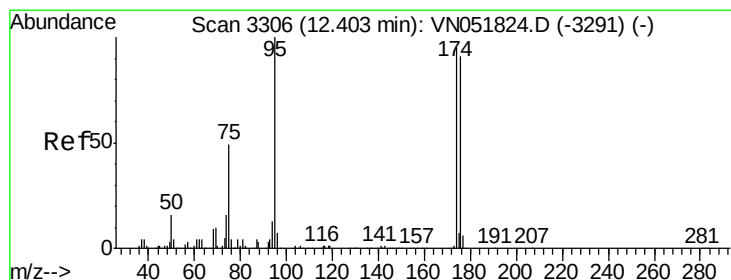
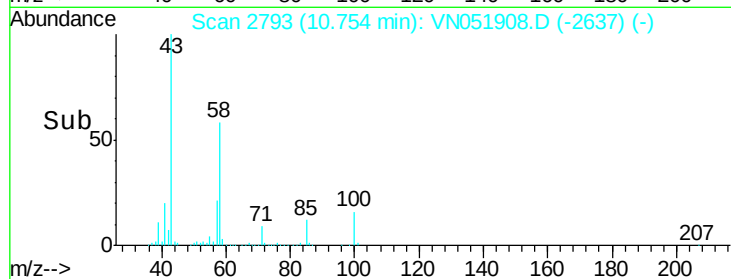
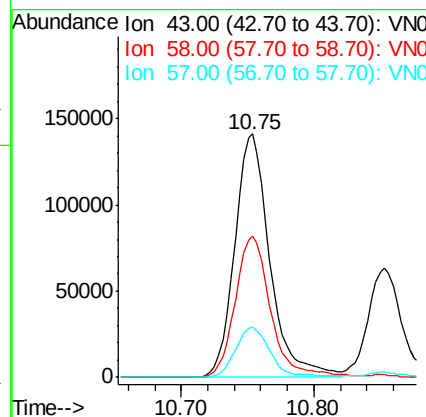
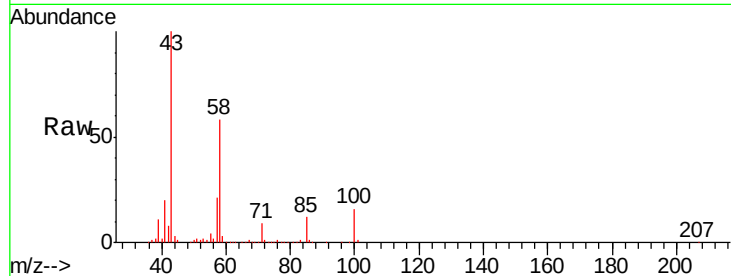
#59
2-Hexanone
Concen: 93.74 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.2	41.3	61.9
57	19.8	13.4	20.0

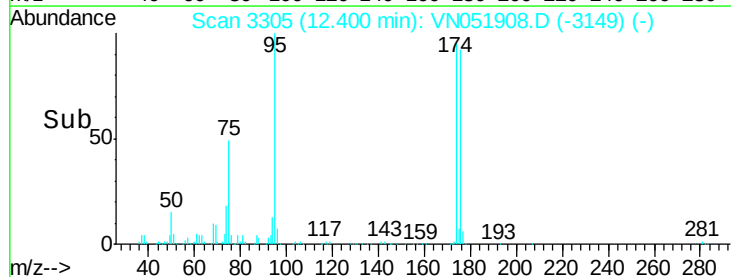
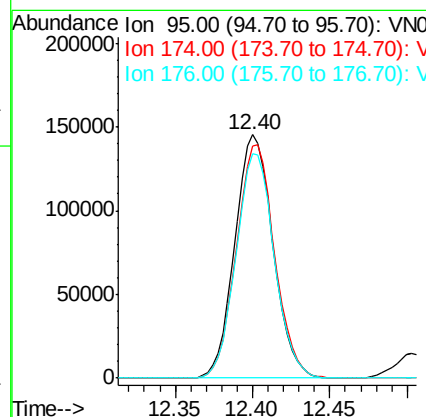
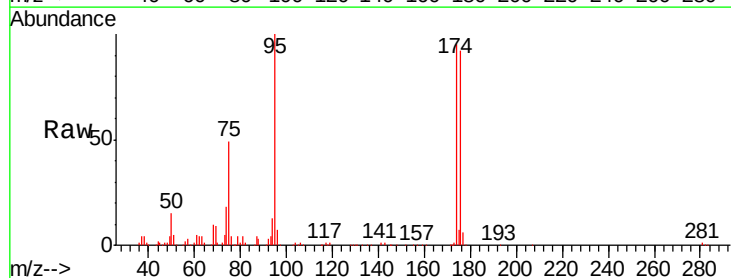
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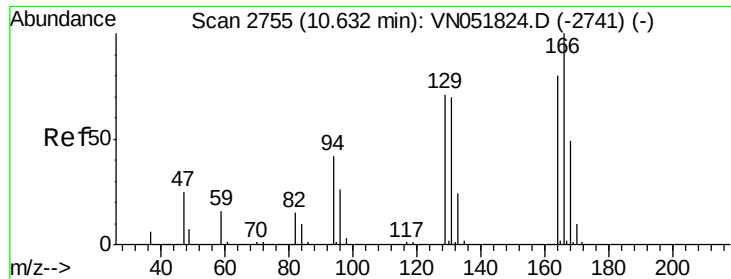
MMDadoda
10/19/2018 4:37:52 PM



#60
4-Bromofluorobenzene
Concen: 93.74 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.2	73.5	110.3
176	92.5	70.2	105.2





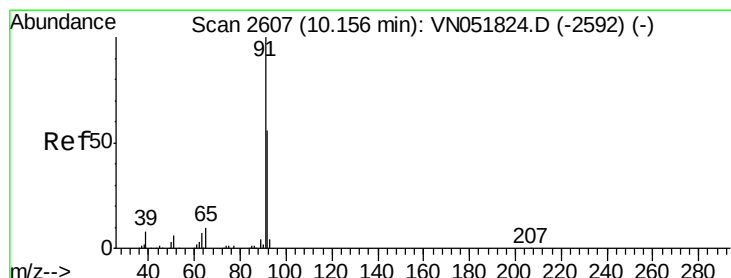
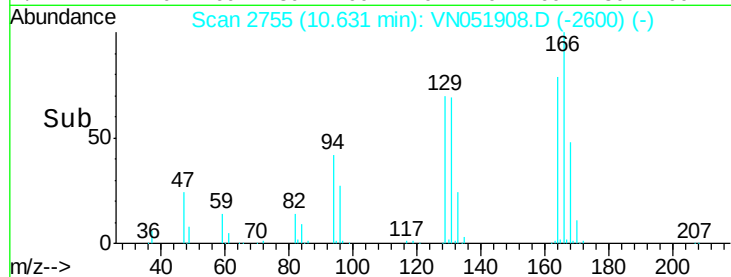
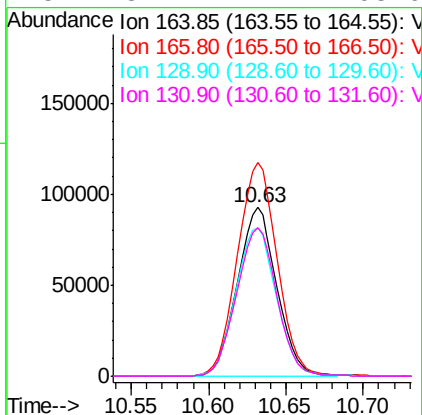
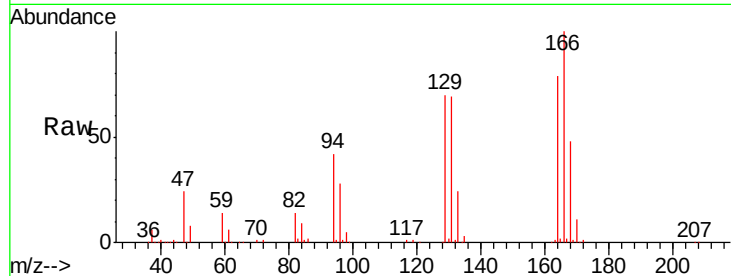
#61
Tetrachloroethene
Concen: 20.79 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163725		
166	126.3	98.7	148.1	
129	88.0	69.6	104.4	
131	87.7	72.4	108.6	

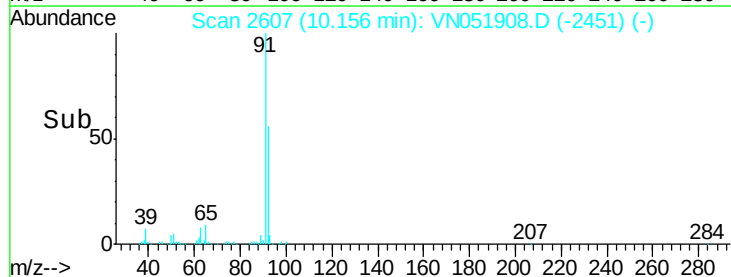
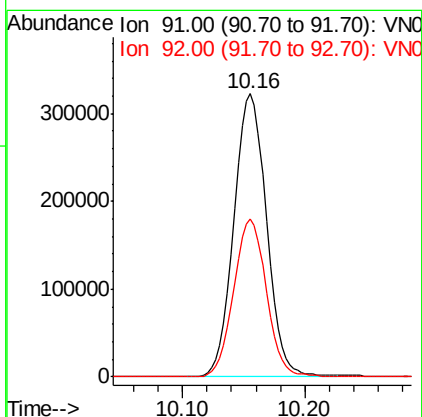
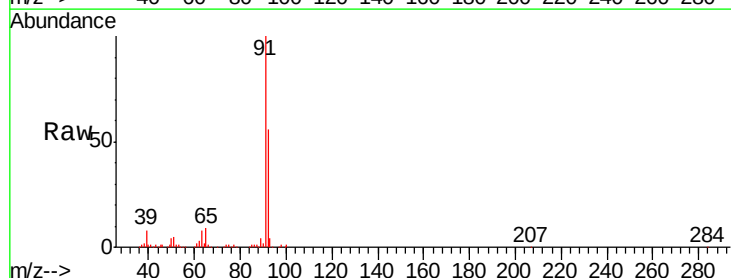
Manual Integrations
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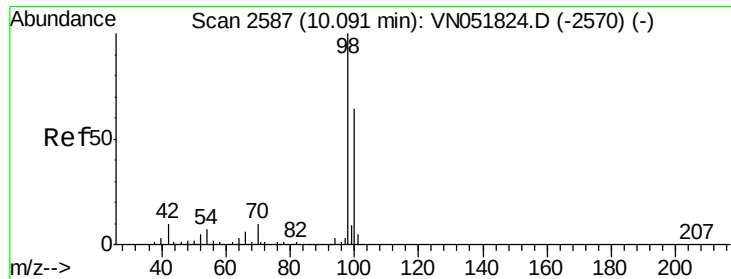
MMDadoda
10/19/2018 4:37:52 PM



#62
Toluene
Concen: 19.58 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	598940		
92	56.1	44.6	66.8	





#63

Toluene-d8

Concen: 19.58 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 827223

Ion Ratio Lower Upper

98 100

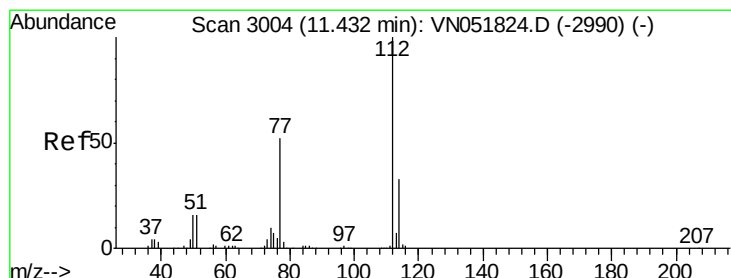
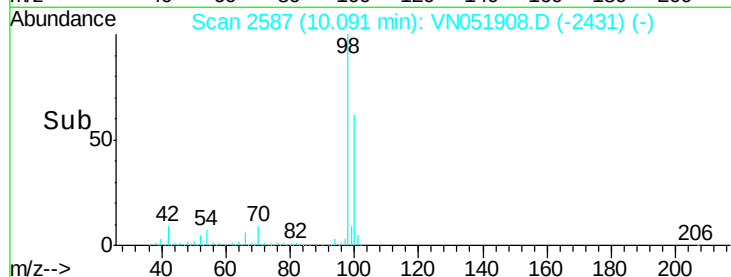
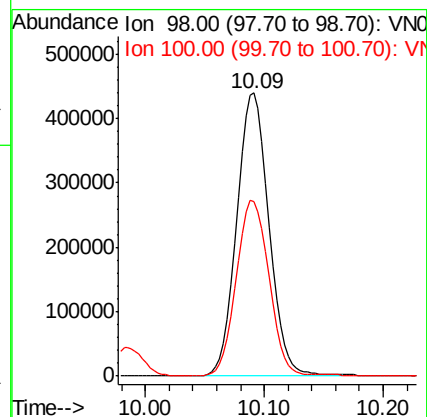
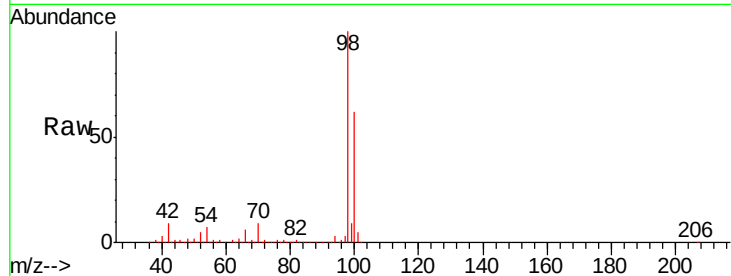
100 62.4 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.18 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051908.D

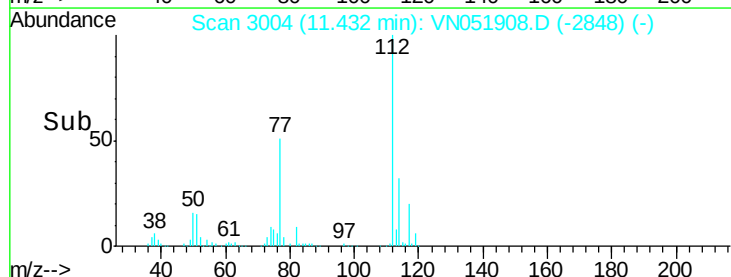
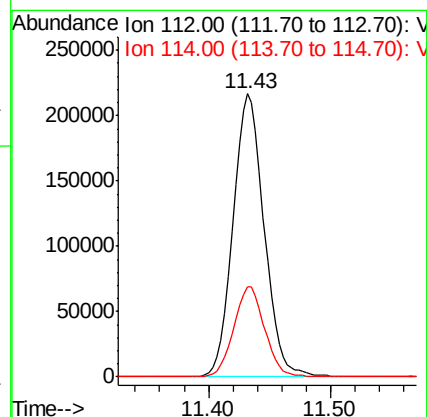
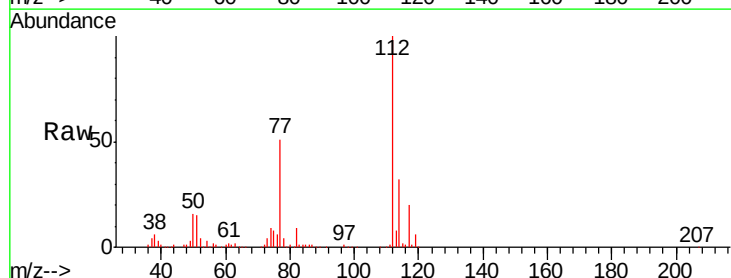
Acq: 18 Oct 2018 11:19

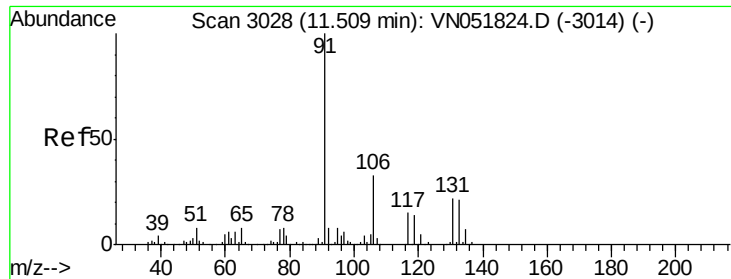
Tgt Ion: 112 Resp: 384325

Ion Ratio Lower Upper

112 100

114 31.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

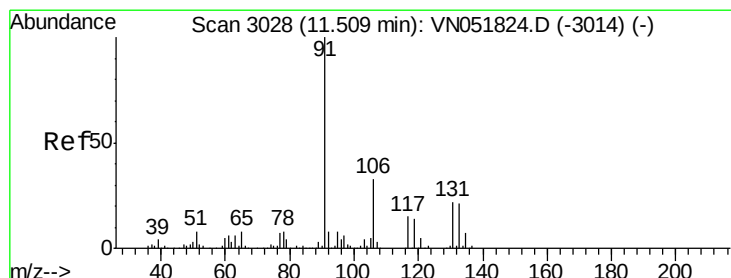
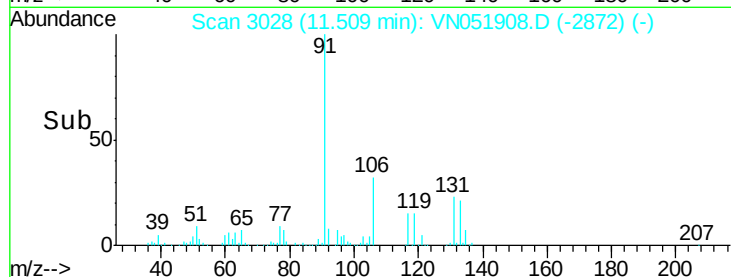
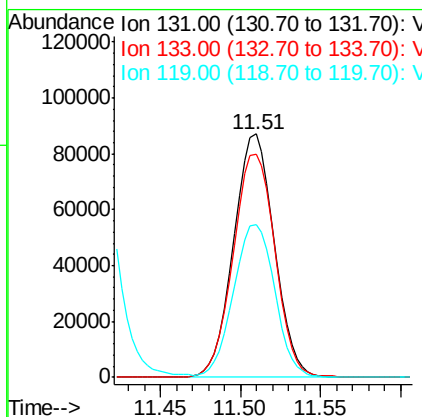
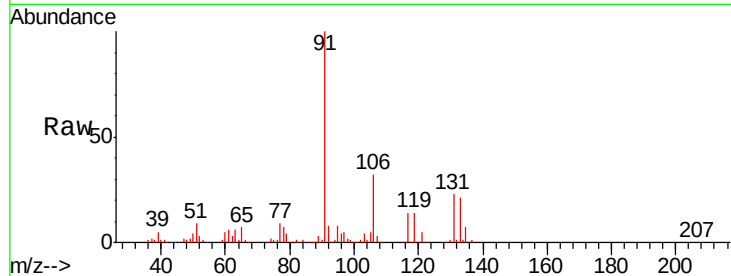
ClientSampleId :

VSTDCCC020

Tgt Ion:	131	Resp:	150830
Ion Ratio	Lower	Upper	
131	100		
133	94.5	0.0	190.4
119	63.9	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.09 ug/l

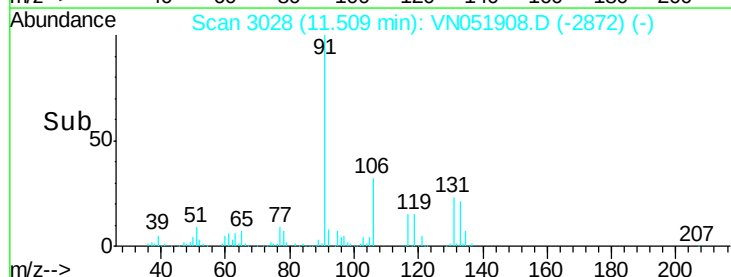
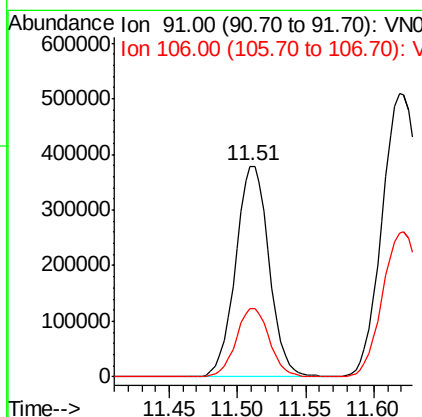
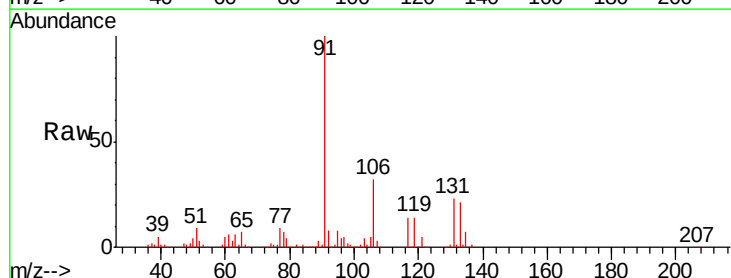
RT: 11.51 min Scan# 3028

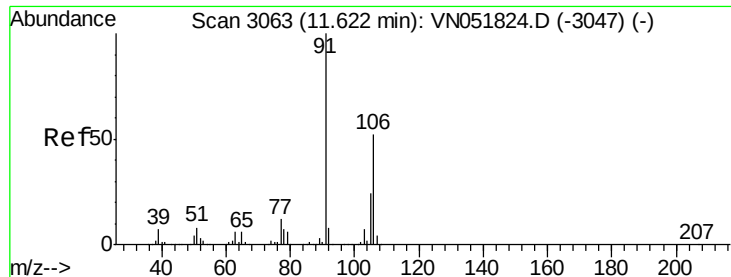
Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	91	Resp:	645290
Ion Ratio	Lower	Upper	
91	100		
106	32.5	25.9	38.9





#67

m/p-Xylenes

Concen: 37.61 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:106 Resp: 515569

Ion Ratio Lower Upper

106 100

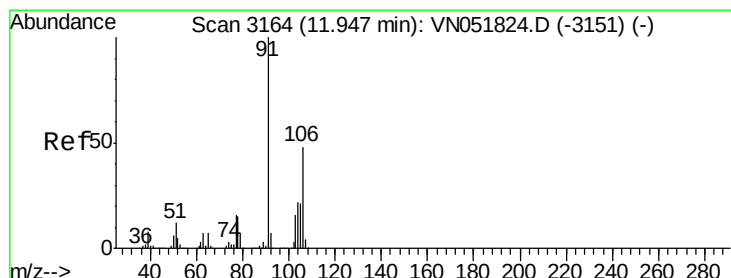
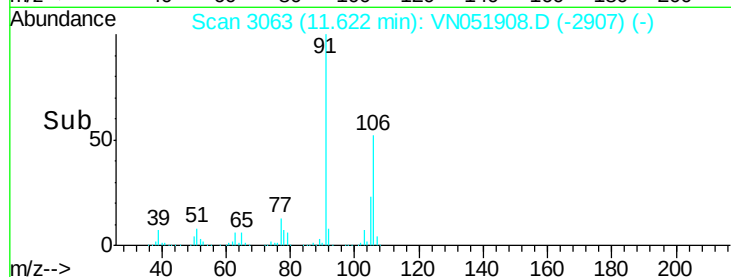
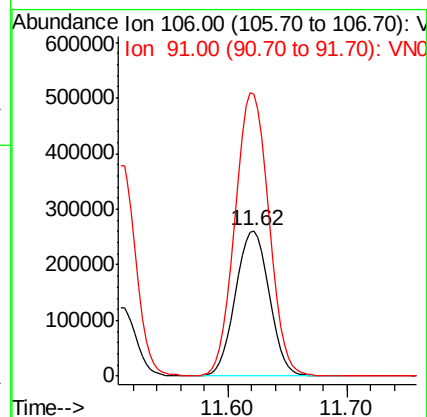
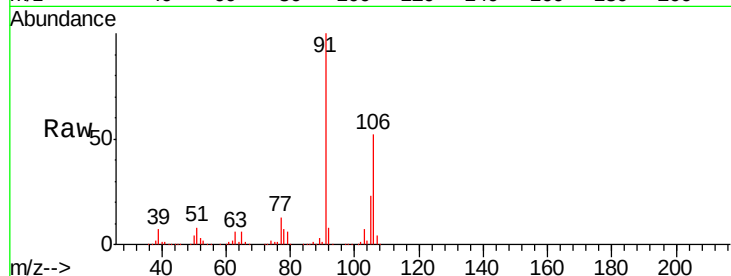
91 195.1 158.8 238.2

Manual Integrations

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#68

o-Xylene

Concen: 18.72 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051908.D

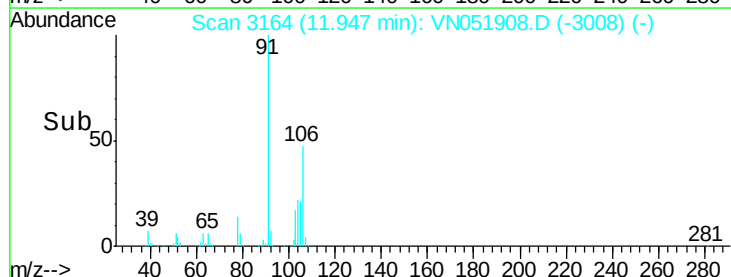
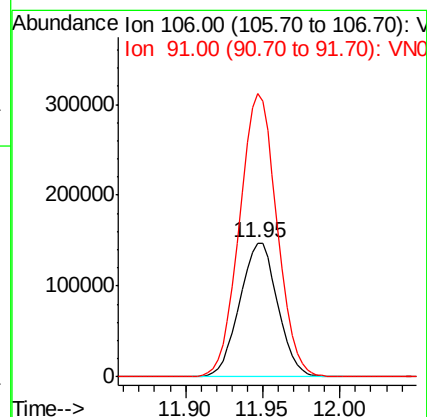
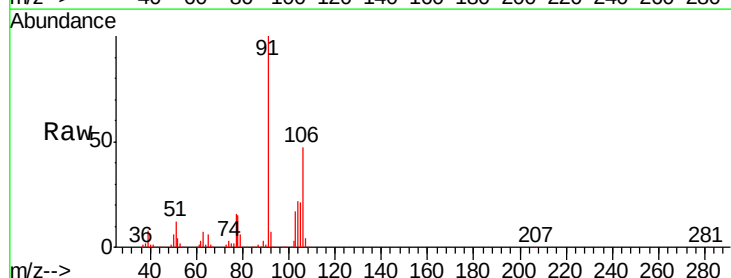
Acq: 18 Oct 2018 11:19

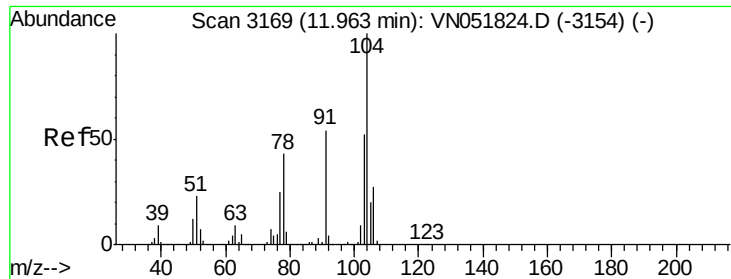
Tgt Ion:106 Resp: 252907

Ion Ratio Lower Upper

106 100

91 206.9 111.1 333.3





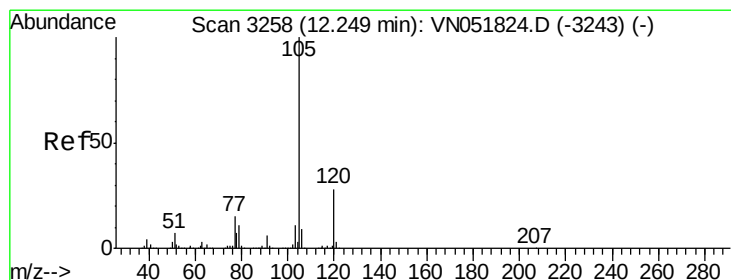
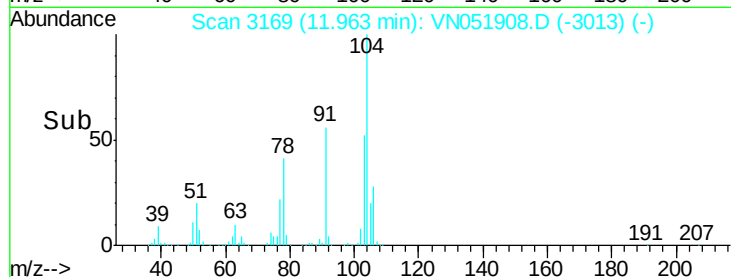
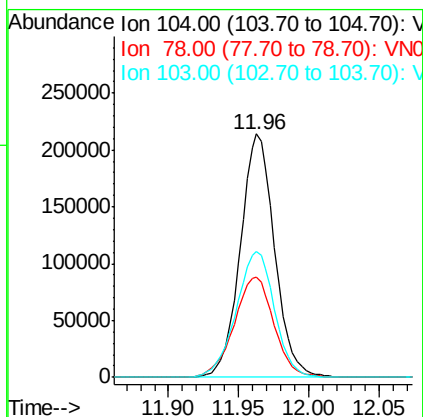
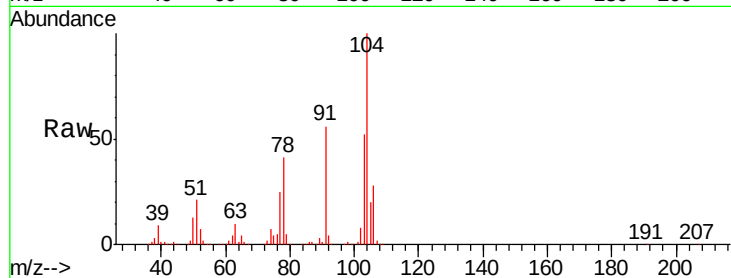
#69
Styrene
Concen: 17.61 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	40.6	60.8
103	57.9	44.0	66.0

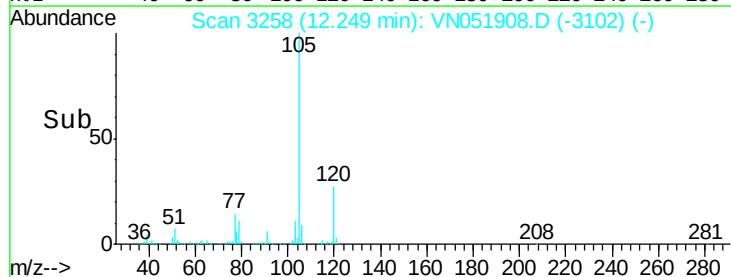
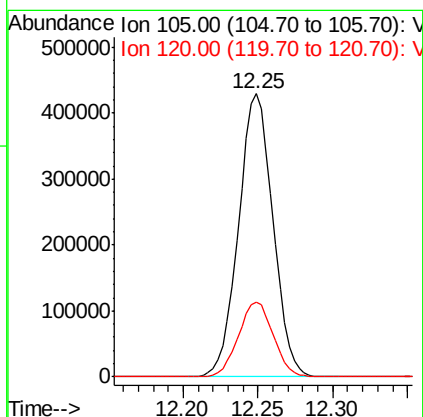
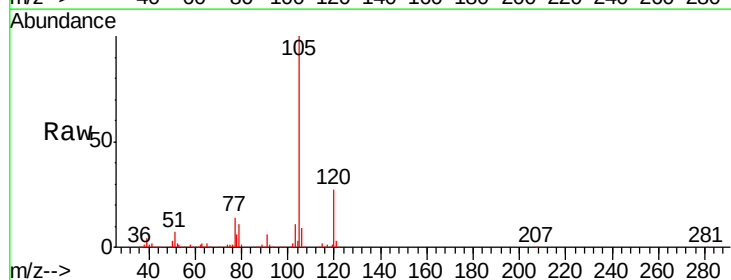
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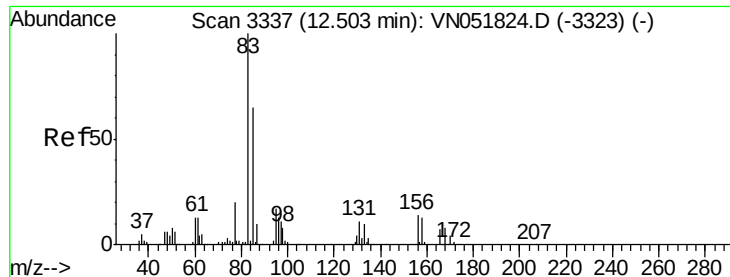
MMDadoda
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#70
Isopropylbenzene
Concen: 19.05 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 18.82 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

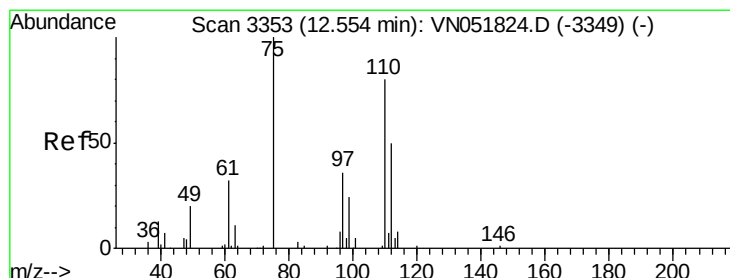
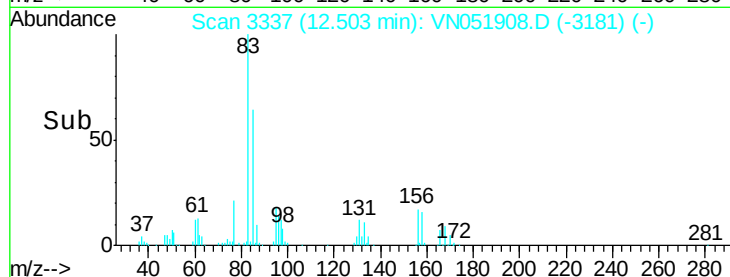
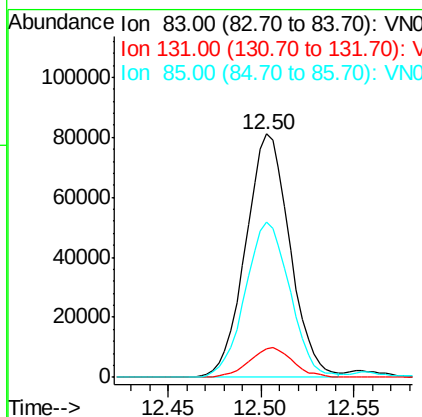
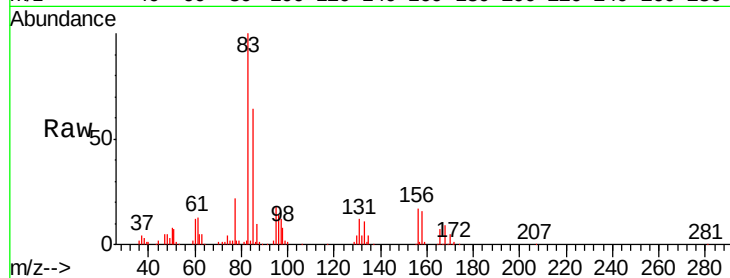
ClientSampleId :

VSTDCCC020

Tgt Ion:	83	Resp:	133941
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	64.8	30.6	91.8

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#72

1,2,3-Trichloropropane

Concen: 18.73 ug/l m

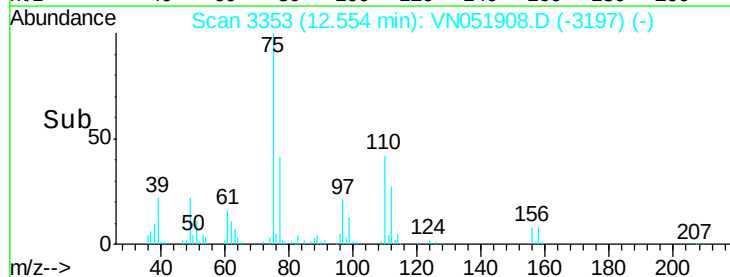
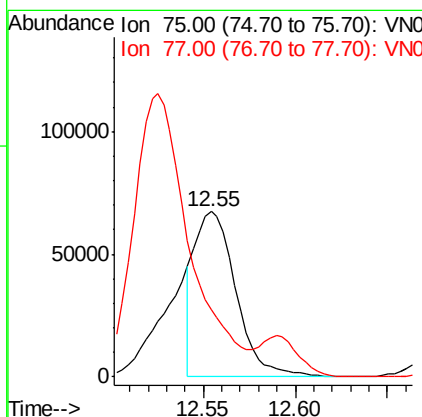
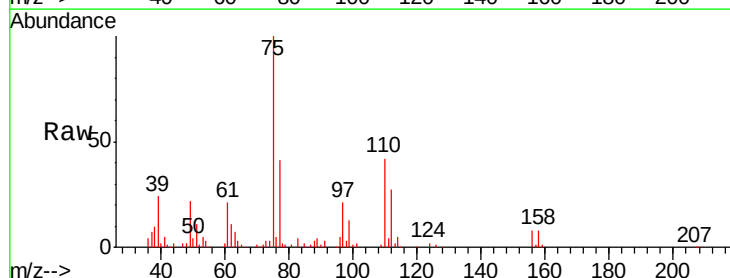
RT: 12.55 min Scan# 3353

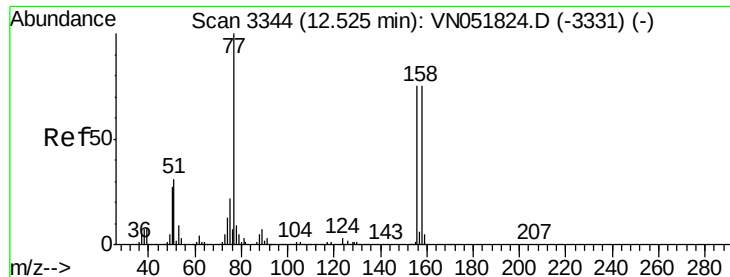
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	75	Resp:	104833
Ion Ratio	Lower	Upper	
75	100		
77	232.1	0.0	400.0





#73

Bromobenzene

Concen: 18.54 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

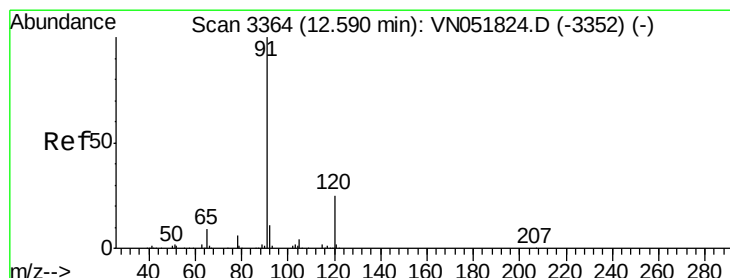
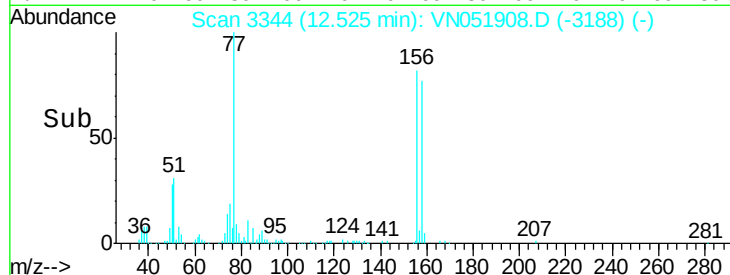
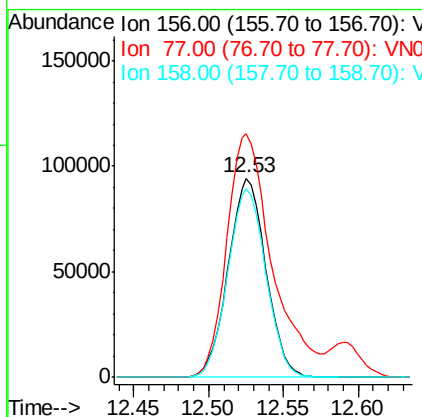
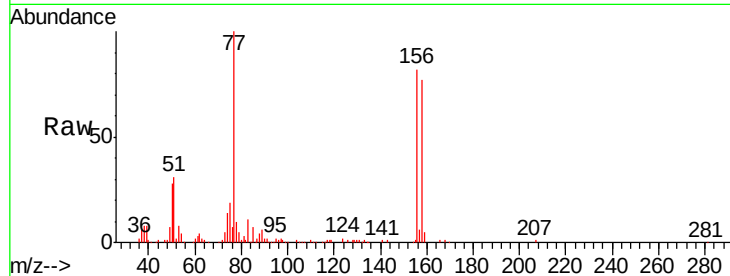
ClientSampleId :

VSTDCCC020

Tgt Ion:	156	Resp:	165486
Ion Ratio	Lower	Upper	
156	100		
77	147.1	0.0	377.4
158	95.7	0.0	203.0

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#74

n-propylbenzene

Concen: 18.52 ug/l

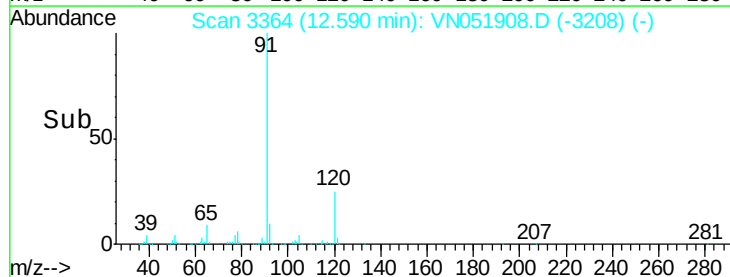
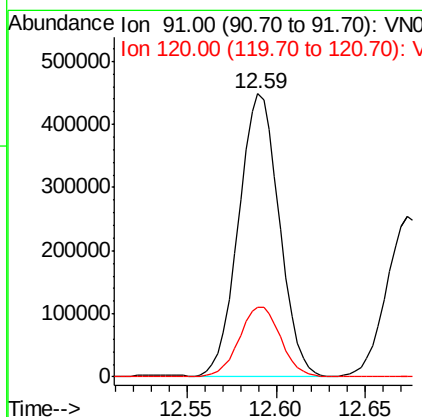
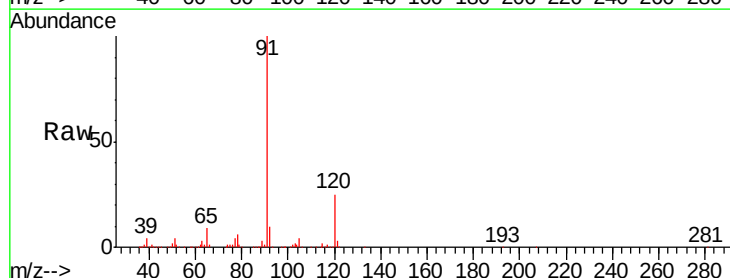
RT: 12.59 min Scan# 3364

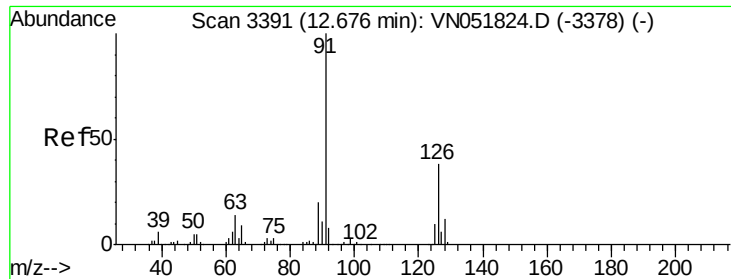
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	91	Resp:	717755
Ion Ratio	Lower	Upper	
91	100		
120	25.0	0.0	45.0





#75

2-Chlorotoluene

Concen: 18.90 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 429377

Ion Ratio Lower Upper

91 100

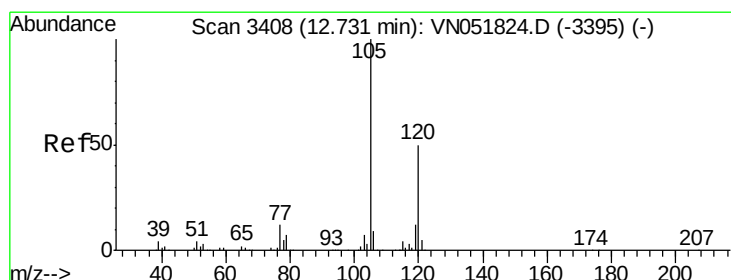
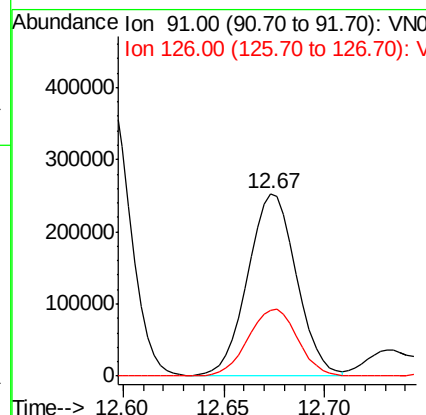
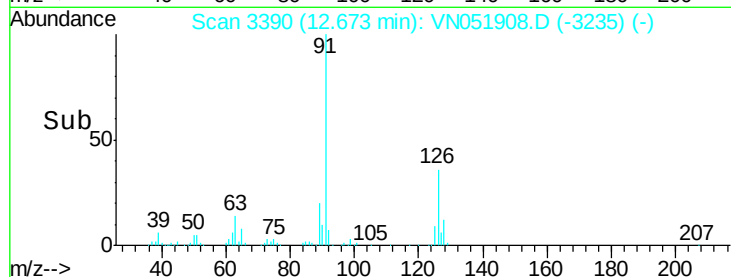
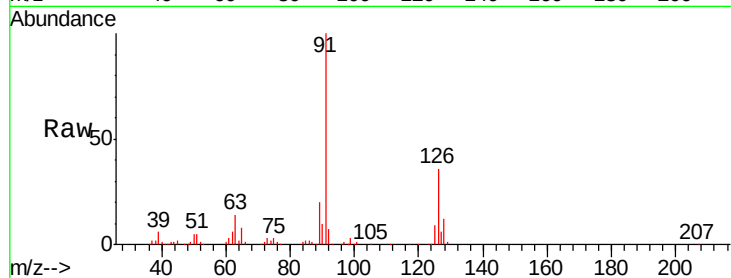
126 37.3 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.52 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051908.D

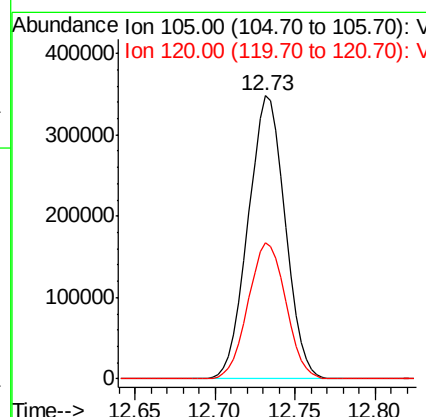
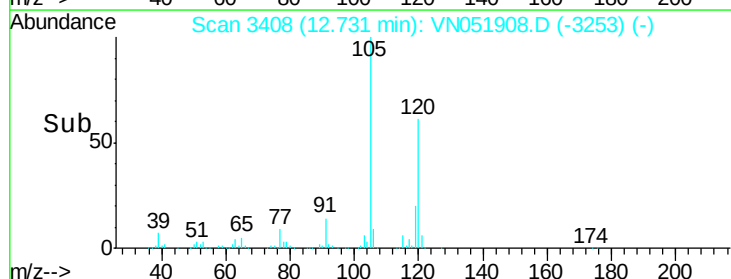
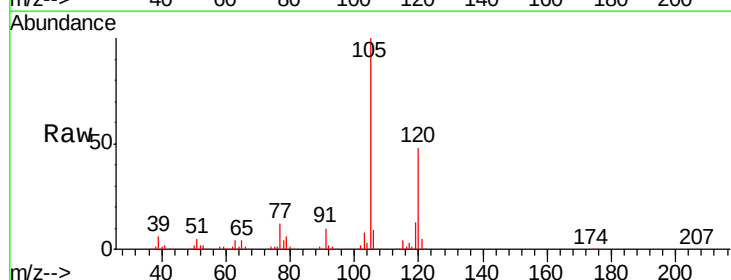
Acq: 18 Oct 2018 11:19

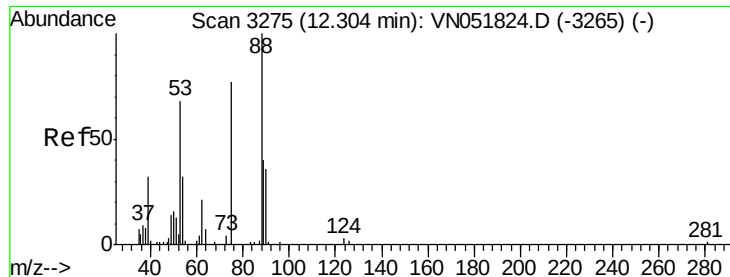
Tgt Ion: 105 Resp: 551723

Ion Ratio Lower Upper

105 100

120 49.1 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.15 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

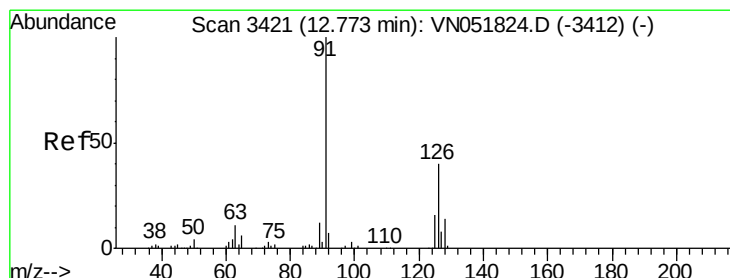
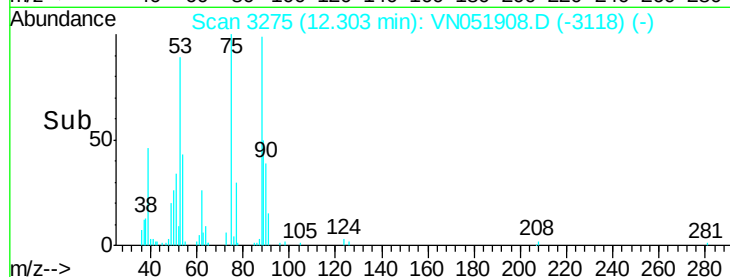
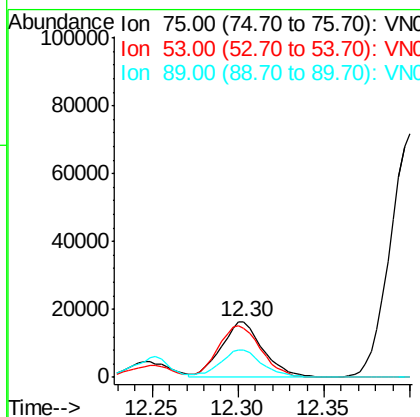
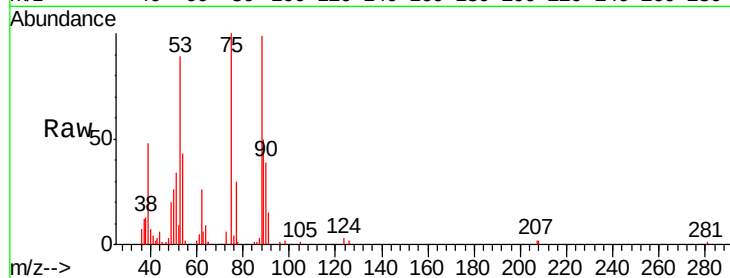
ClientSampleId :

VSTDCCC020

Tgt Ion:	75	Resp:	28059
Ion	Ratio	Lower	Upper
75	100		
53	88.8	46.3	138.9
89	49.9	24.6	73.8

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#78

4-Chlorotoluene

Concen: 17.65 ug/l

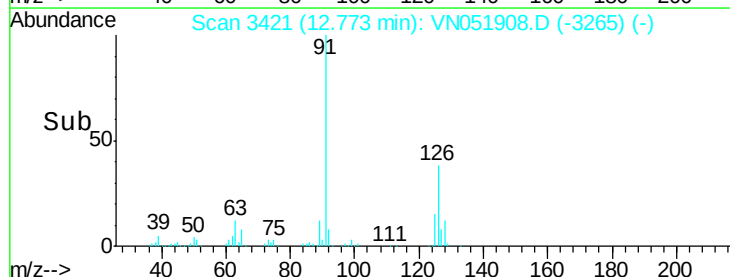
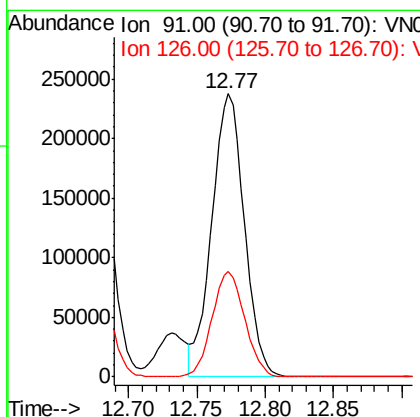
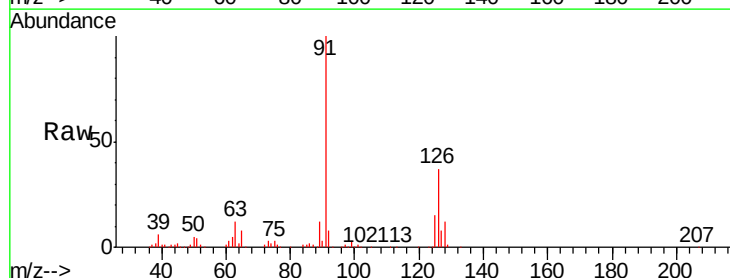
RT: 12.77 min Scan# 3421

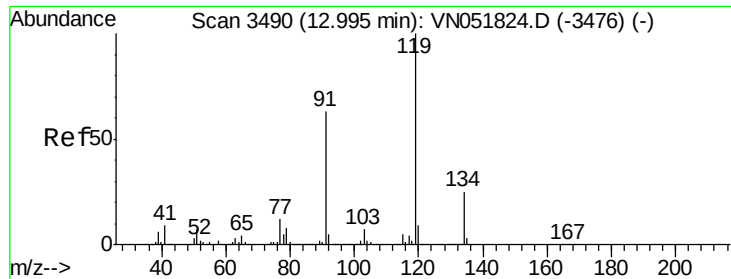
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	91	Resp:	394052
Ion	Ratio	Lower	Upper
91	100		
126	37.3	0.0	65.2





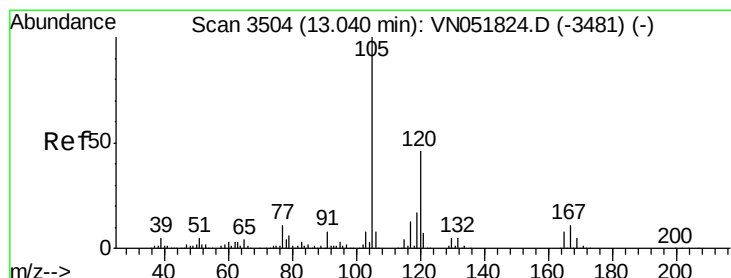
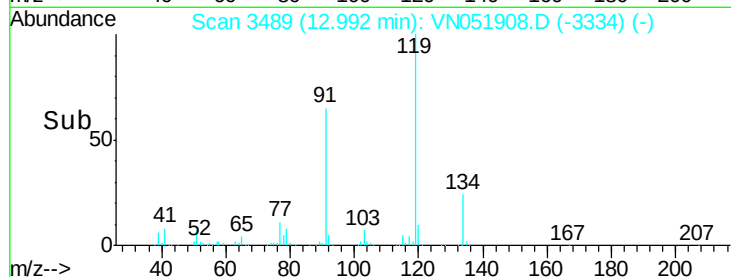
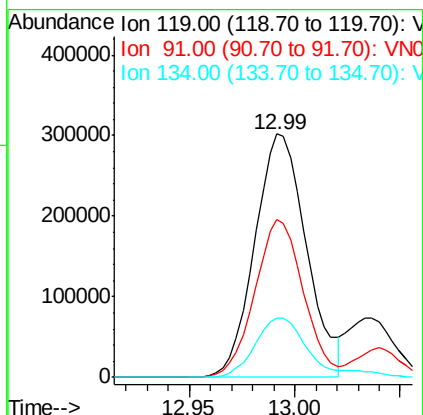
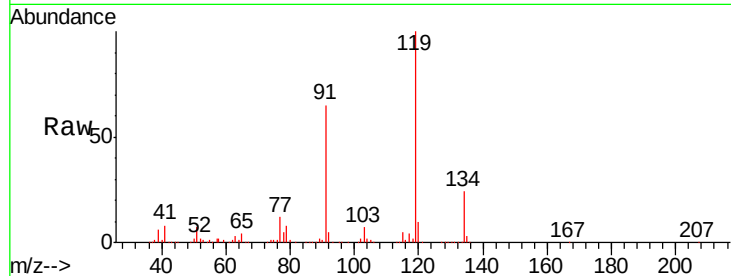
#79
tert-butylbenzene
Concen: 18.80 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	515285		
91	60.8	0.0	131.6	
134	25.9	0.0	46.2	

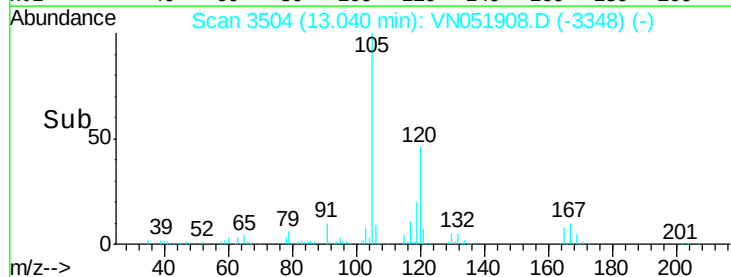
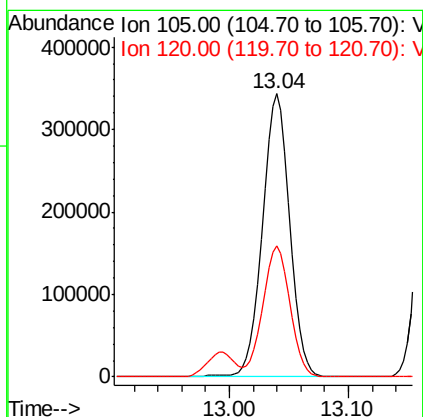
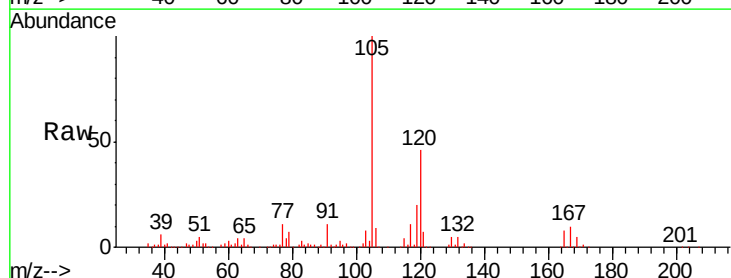
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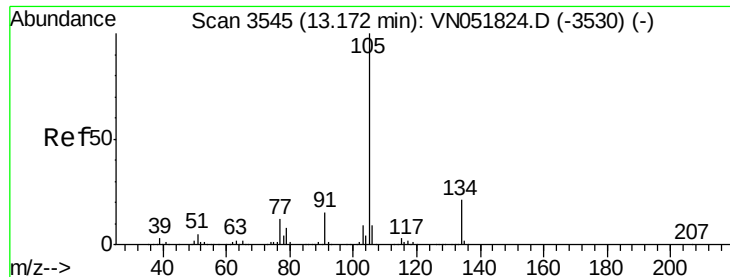
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#80
1,2,4-Trimethylbenzene
Concen: 18.24 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543315		
120	46.1	0.0	89.6	





#81

sec-Butylbenzene

Concen: 18.62 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:105 Resp: 667598

Ion Ratio Lower Upper

105 100

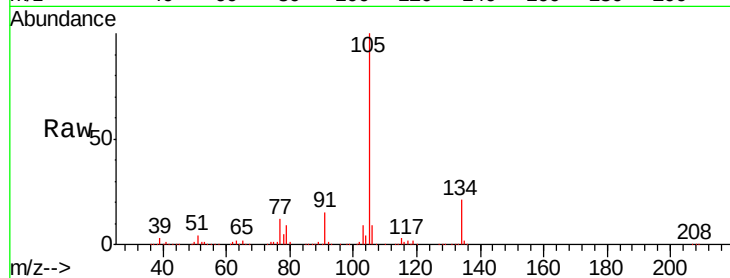
134 20.8 0.0 39.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

500000

400000

300000

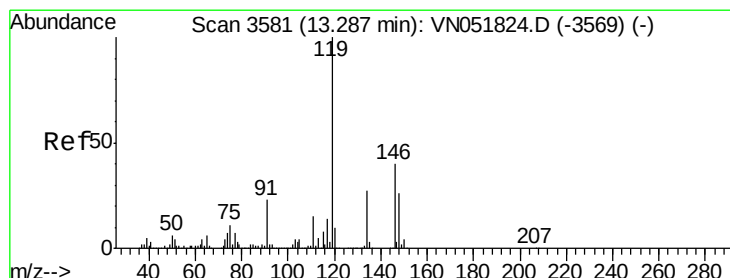
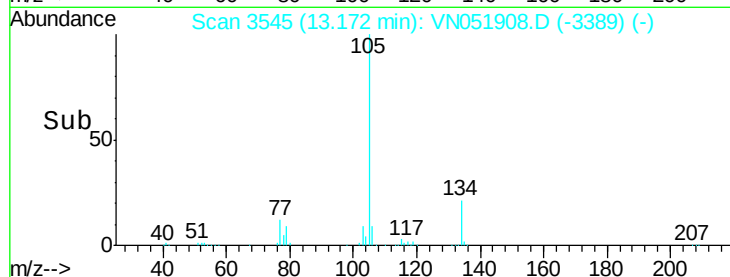
200000

100000

0

13.10 13.15 13.20

Time-->



#82

p-Isopropyltoluene

Concen: 18.00 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

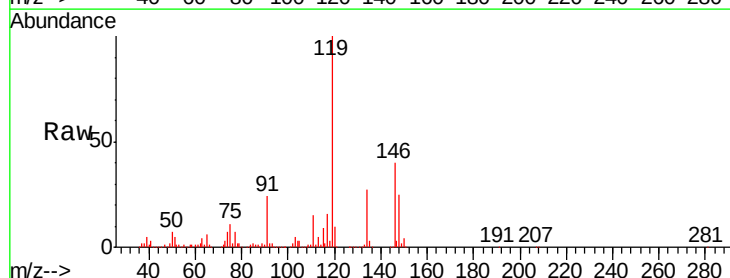
Tgt Ion:119 Resp: 577459

Ion Ratio Lower Upper

119 100

134 26.5 0.0 53.6

91 22.9 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

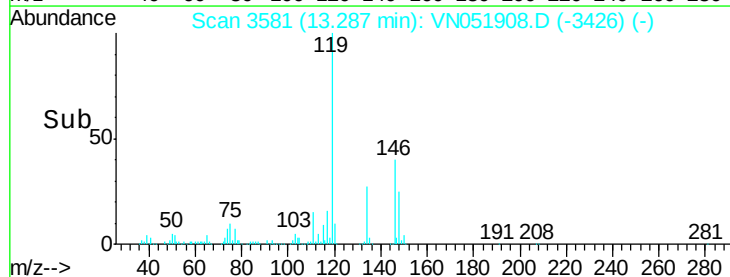
200000

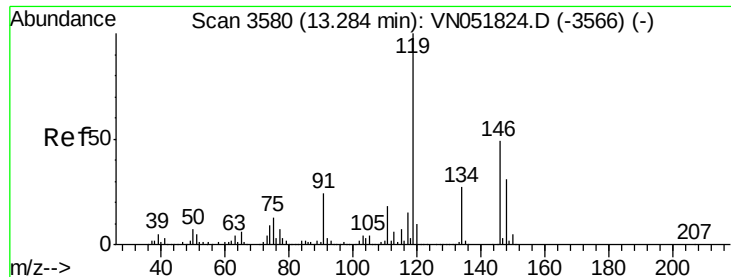
100000

0

13.20 13.25 13.30 13.35

Time-->





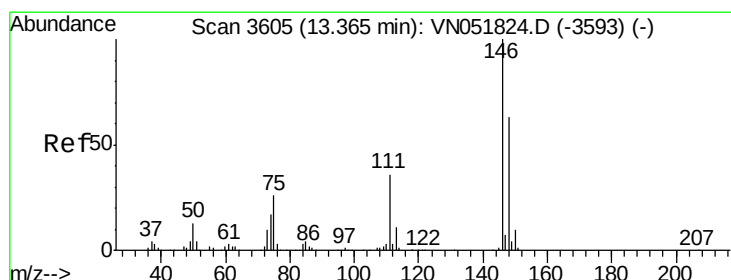
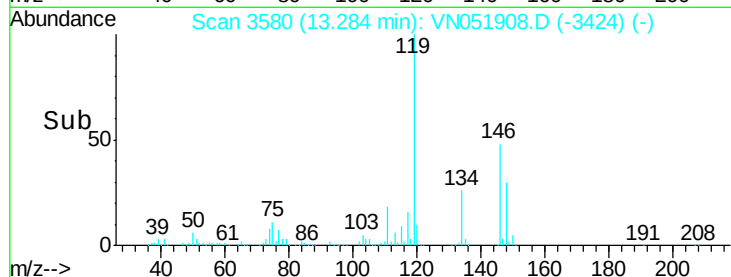
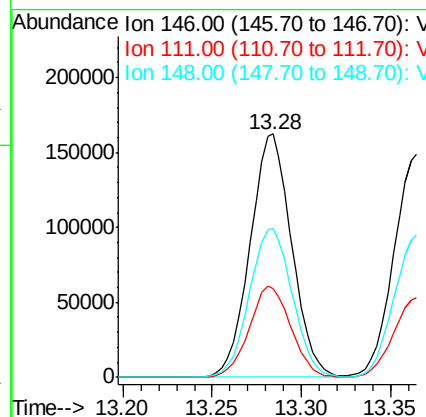
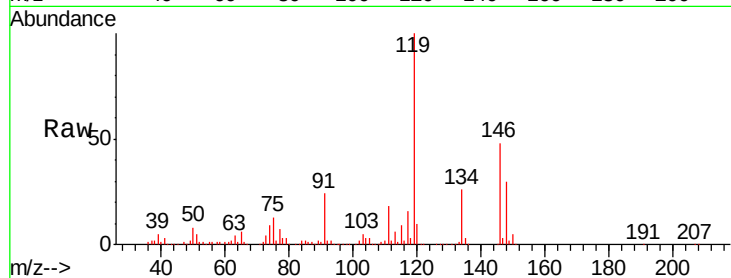
#83
 1,3-Dichlorobenzene
 Concen: 16.84 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265250		
111	37.5	18.1	54.3	
148	63.1	31.3	93.8	

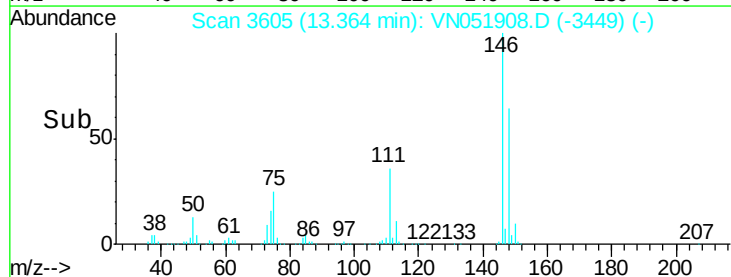
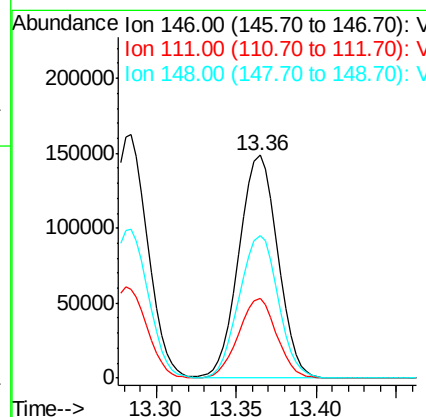
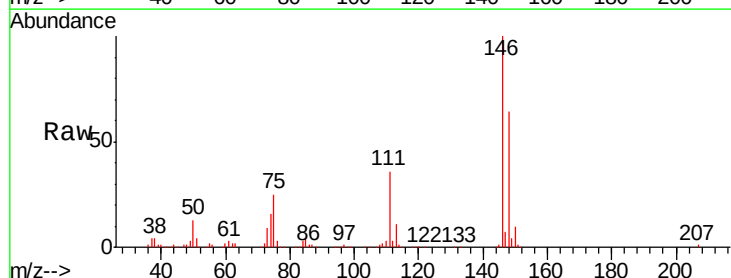
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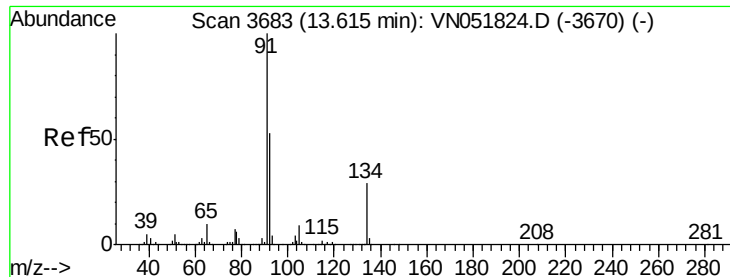
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 16.64 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	246716		
111	35.1	17.4	52.2	
148	64.2	32.8	98.3	





#85

n-Butylbenzene

Concen: 16.84 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

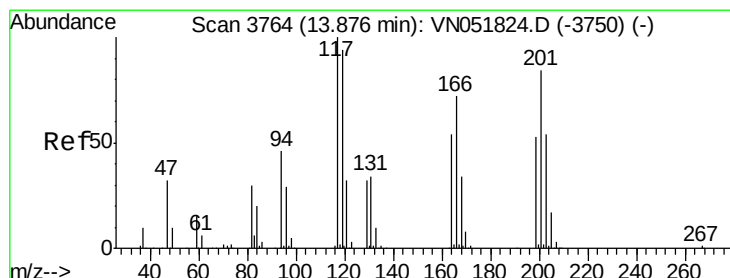
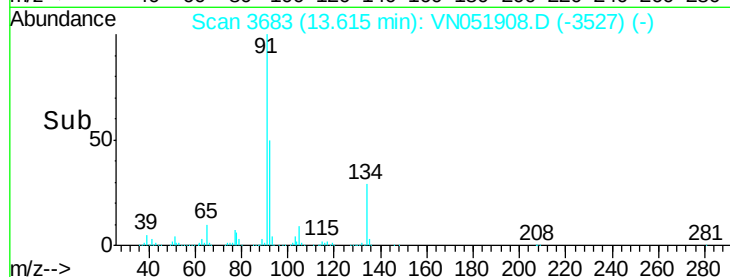
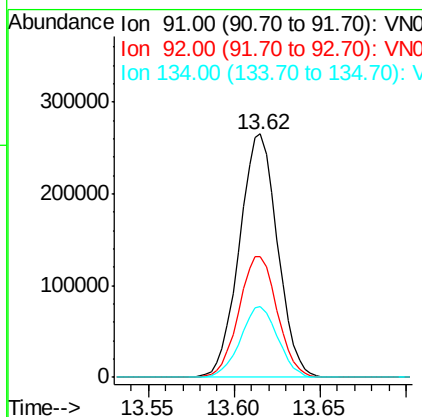
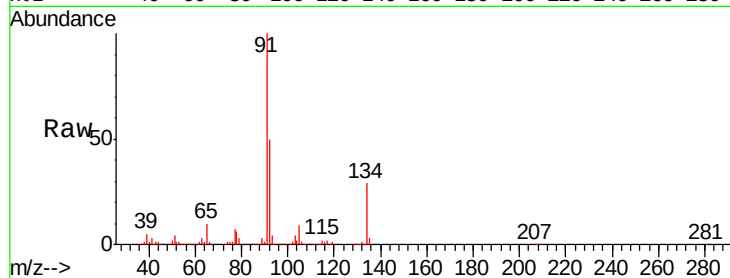
ClientSampleId :

VSTDCCC020

Tgt Ion:	91	Resp:	407329
Ion Ratio	Lower	Upper	
91	100		
92	50.1	0.0	97.4
134	28.5	0.0	49.6

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#86

Hexachloroethane

Concen: 16.91 ug/l

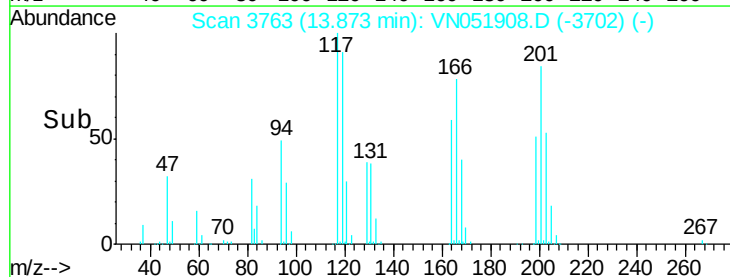
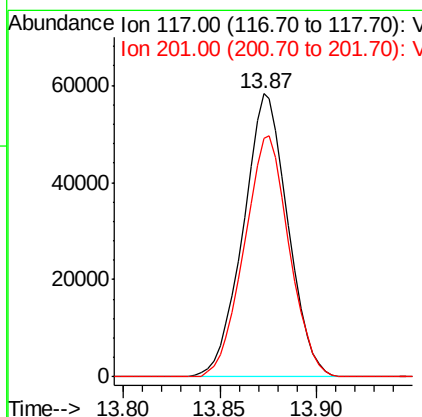
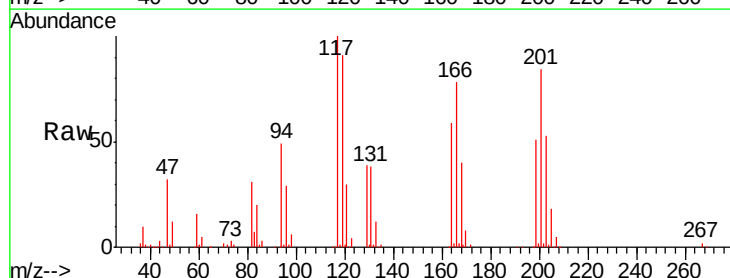
RT: 13.87 min Scan# 3763

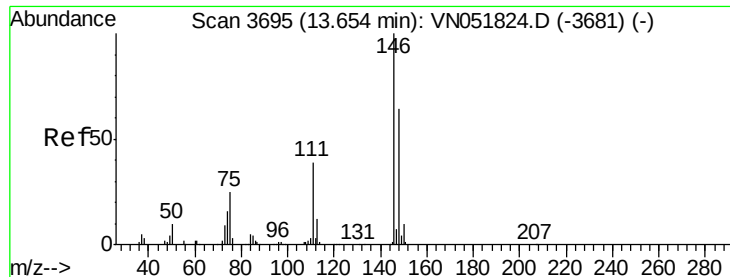
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	117	Resp:	93529
Ion Ratio	Lower	Upper	
117	100		
201	85.6	47.8	143.3





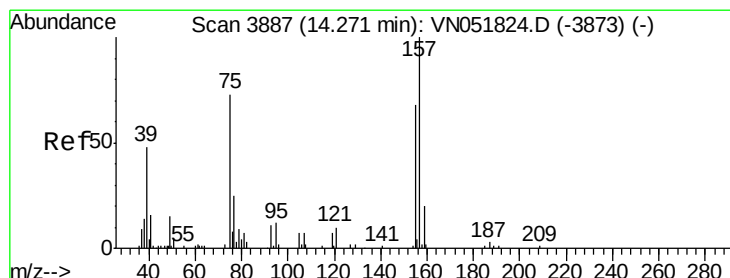
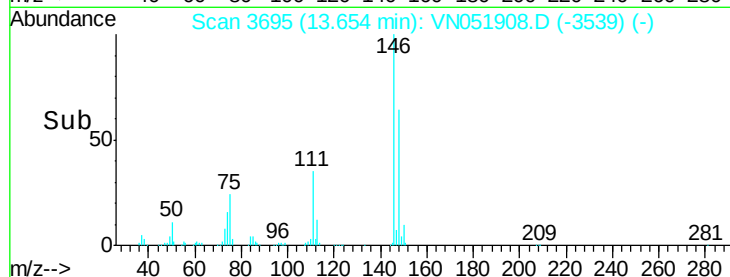
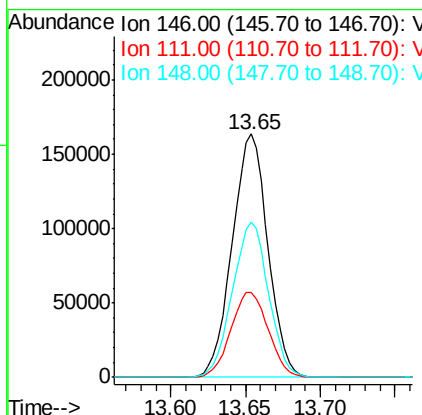
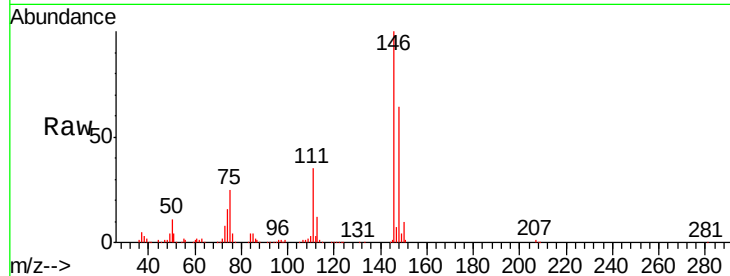
#87
 1,2-Dichlorobenzene
 Concen: 17.78 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.8	62.2
148	64.5	33.2	99.6

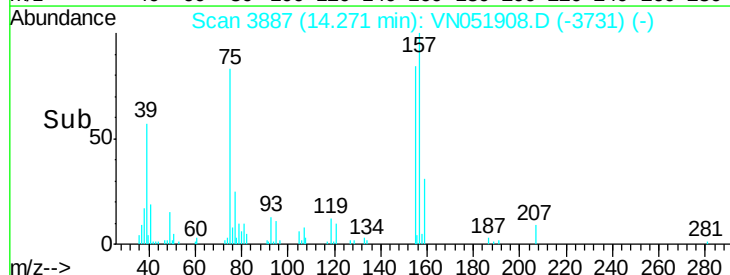
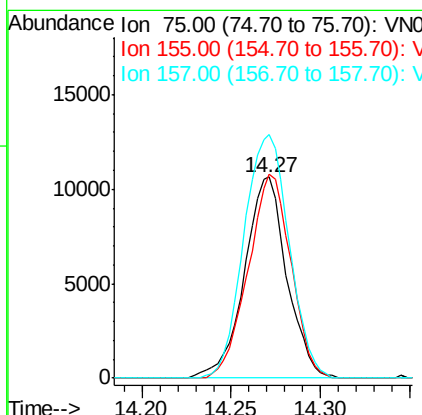
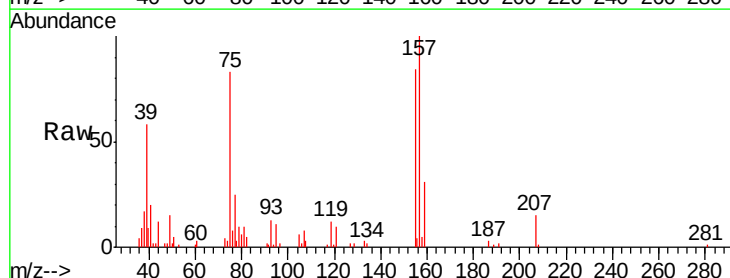
Manual Integrations
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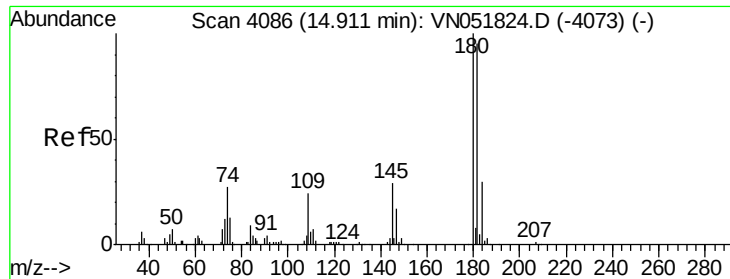
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.60 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.5	57.0	85.6#
157	129.5	87.4	131.0





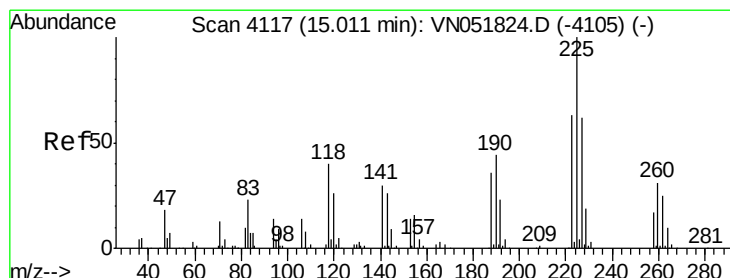
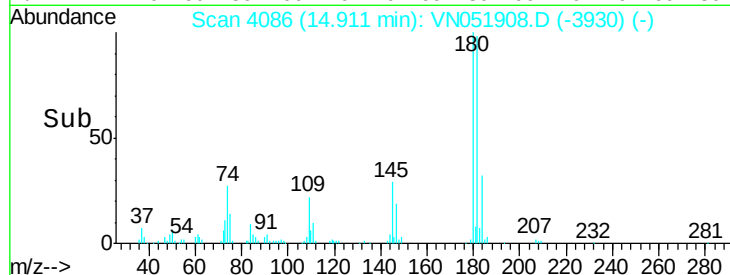
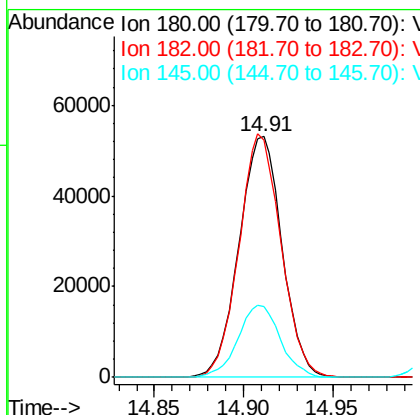
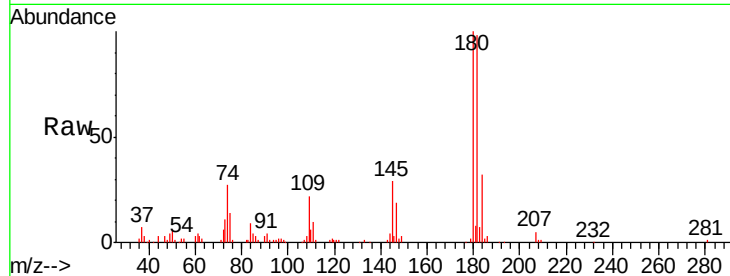
#89
 1,2,4-Trichlorobenzene
 Concen: 16.57 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89032		
182	98.5	77.7	116.5	
145	29.7	23.4	35.2	

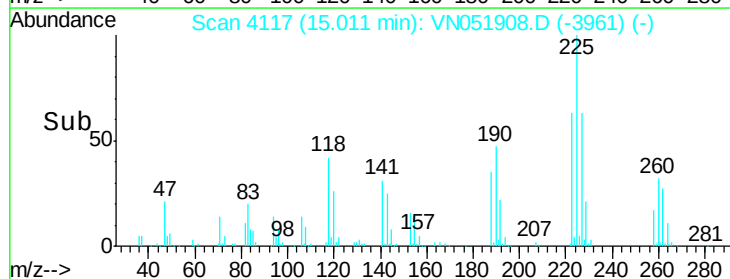
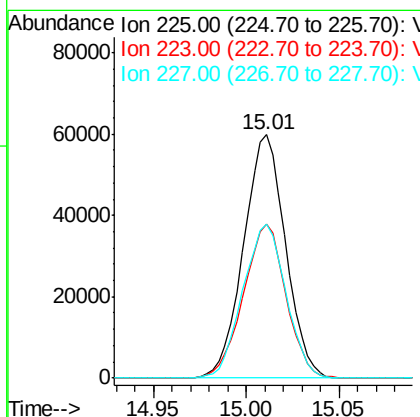
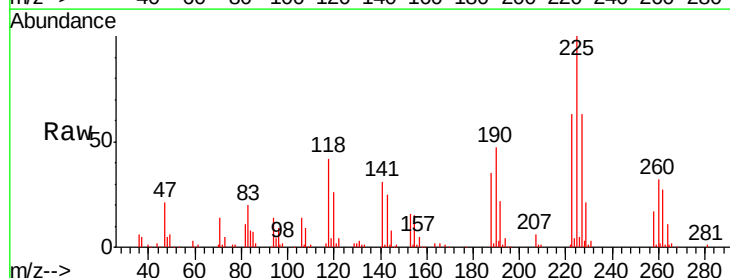
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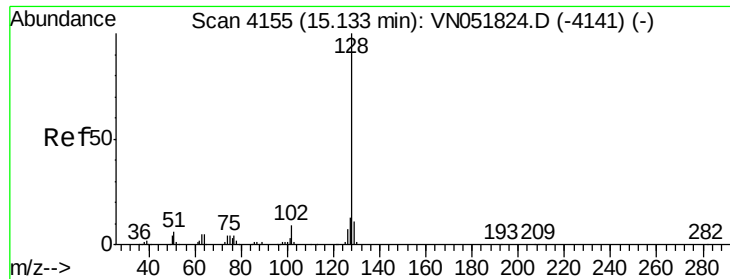
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#90
 Hexachlorobutadiene
 Concen: 19.21 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94384		
223	64.0	0.0	117.0	
227	65.0	0.0	127.0	





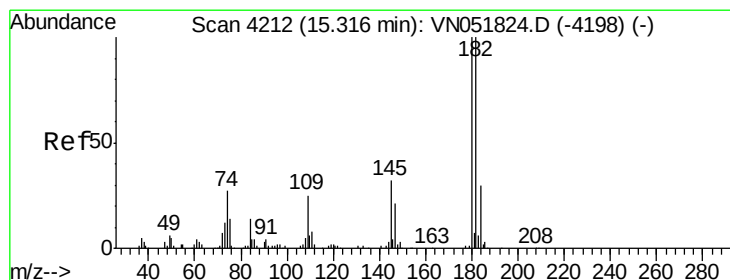
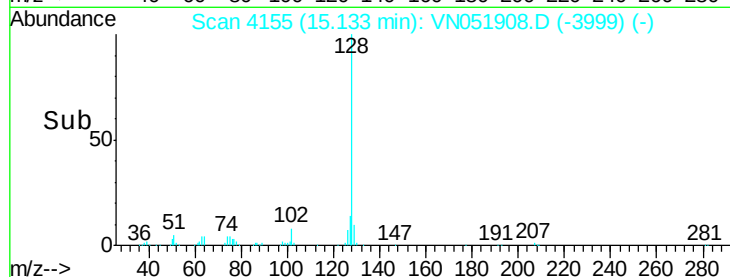
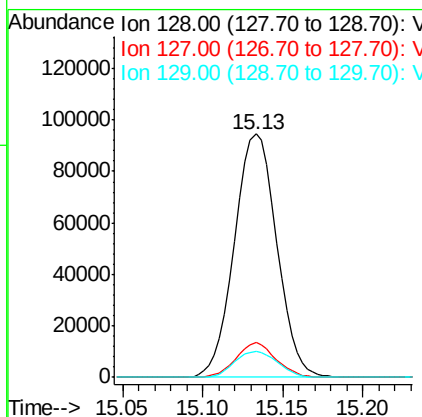
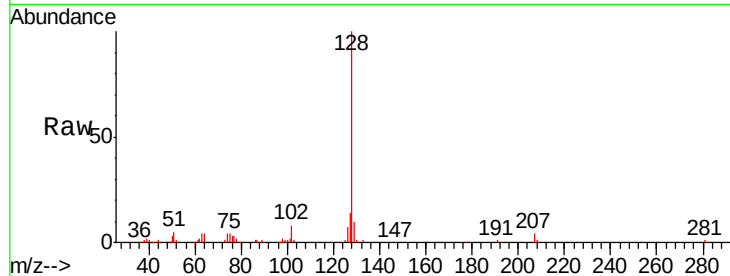
#91
Naphthalene
Concen: 16.72 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.8	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 14.45 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	0.0	198.0
145	30.2	0.0	36.8

