

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052824.D
 Acq On : 12 Dec 2018 13:52
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:35:58 PM

Quant Time: Dec 13 01:06:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	927532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1417720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1214699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	507754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	8129	0.851 ug/l	98
3) Chloromethane	2.06	50	9959	0.869 ug/l	99
4) Vinyl Chloride	2.19	62	9584	0.836 ug/l	93
5) Bromomethane	2.58	94	7003	0.990 ug/l	96
6) Chloroethane	2.71	64	6009	0.887 ug/l #	87
7) Trichlorofluoromethane	3.02	101	12236	0.861 ug/l	97
8) Diethyl Ether	3.41	74	3777	0.728 ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7516	0.853 ug/l #	79
10) Methyl Iodide	3.96	142	7526	0.610 ug/l	98
12) 1,1-Dichloroethene	3.74	96	7034	0.825 ug/l	93
14) Allyl chloride	4.33	41	11539	0.828 ug/l #	71
15) Acrylonitrile	5.00	53	11870	3.840 ug/l #	85
16) Acetone	3.82	43	9581	4.325 ug/l	93
17) Carbon Disulfide	4.06	76	24052	0.918 ug/l	99
18) Methyl Acetate	4.33	43	7160	0.881 ug/l	97
19) Methyl tert-butyl Ether	5.05	73	19134	0.826 ug/l	96
20) Methylene Chloride	4.56	84	9573	0.960 ug/l	94
21) trans-1,2-Dichloroethene	5.06	96	8475	0.917 ug/l #	84
22) Diisopropyl ether	5.95	45	24559	0.826 ug/l	98
23) Vinyl Acetate	5.90	43	67348	3.809 ug/l	98
24) 1,1-Dichloroethane	5.85	63	14179	0.827 ug/l #	86
25) 2-Butanone	6.85	43	14775	4.299 ug/l	93
26) 2,2-Dichloropropane	6.82	77	10743	0.851 ug/l #	75
27) cis-1,2-Dichloroethene	6.83	96	8947	0.853 ug/l	98
28) Bromochloromethane	7.20	49	6820	0.886 ug/l #	97
29) Tetrahydrofuran	7.21	42	8959	3.818 ug/l	96
30) Chloroform	7.37	83	14353	0.859 ug/l	90
31) Cyclohexane	7.66	56	28086	1.470 ug/l #	17
32) 1,1,1-Trichloroethane	7.57	97	11360	0.813 ug/l #	51
36) 1,1-Dichloropropene	7.80	75	11318	0.867 ug/l	97
37) Ethyl Acetate	6.93	43	5939	0.757 ug/l #	74
38) Carbon Tetrachloride	7.77	117	9935	0.827 ug/l	92
39) Methylcyclohexane	9.08	83	14053	0.877 ug/l	95
40) Benzene	8.04	78	33553	0.856 ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	7.18	41	3462m	0.797	ug/l	
42) 1,2-Dichloroethane	8.13	62	10154	0.861	ug/l	97
43) Isopropyl Acetate	8.18	43	18818	1.170	ug/l #	77
44) Trichloroethene	8.84	130	9223	0.871	ug/l	96
45) 1,2-Dichloropropane	9.12	63	8407	0.819	ug/l	96
46) Dibromomethane	9.21	93	5107	0.858	ug/l	96
47) Bromodichloromethane	9.40	83	9911	0.803	ug/l	87
48) Methyl methacrylate	9.20	41	5066	0.718	ug/l #	81
49) 1,4-Dioxane	9.20	88	1183	14.780	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	28370	3.848	ug/l	98
52) Toluene	10.16	92	19101	0.805	ug/l	98
53) t-1,3-Dichloropropene	10.39	75	9073	0.730	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	11649	0.787	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	7297	0.861	ug/l	89
56) Ethyl methacrylate	10.43	69	8052	0.741	ug/l	97
57) 1,3-Dichloropropane	10.71	76	11987	0.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	23322	3.844	ug/l	99
59) 2-Hexanone	10.75	43	19365	3.832	ug/l	97
60) Dibromochloromethane	10.90	129	7219	0.788	ug/l	99
61) 1,2-Dibromoethane	11.01	107	6452	0.770	ug/l	95
64) Tetrachloroethene	10.63	164	9417	0.902	ug/l	96
65) Chlorobenzene	11.43	112	21503	0.853	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	7577	0.865	ug/l #	63
67) Ethyl Benzene	11.51	91	34097	0.788	ug/l	93
68) m/p-Xylenes	11.62	106	25619	1.577	ug/l	99
69) o-Xylene	11.95	106	12729	0.802	ug/l	99
70) Styrene	11.96	104	18812	0.737	ug/l	99
71) Bromoform	12.13	173	4483	0.753	ug/l #	97
73) Isopropylbenzene	12.25	105	32368	0.854	ug/l	99
74) N-amyl acetate	12.07	43	8277	0.795	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	7878	0.927	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	6847m	0.809	ug/l	
77) Bromobenzene	12.53	156	8450	0.876	ug/l	97
78) n-propylbenzene	12.59	91	35689	0.825	ug/l	99
79) 2-Chlorotoluene	12.68	91	21663	0.848	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	24372	0.796	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1760	0.755	ug/l	94
82) 4-Chlorotoluene	12.77	91	22381	0.856	ug/l	99
83) tert-Butylbenzene	12.99	119	22501	0.833	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	24531	0.792	ug/l	98
85) sec-Butylbenzene	13.17	105	29907	0.818	ug/l	100
86) p-Isopropyltoluene	13.29	119	24675	0.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	15183	0.886	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	14917m	0.879	ug/l	
89) n-Butylbenzene	13.62	91	20916	0.784	ug/l	95
90) Hexachloroethane	13.88	117	4498	0.848	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	14565	0.884	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	997	0.778	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	7433	0.830	ug/l	94
94) Hexachlorobutadiene	15.01	225	5058	0.975	ug/l	99

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VSTDICC001

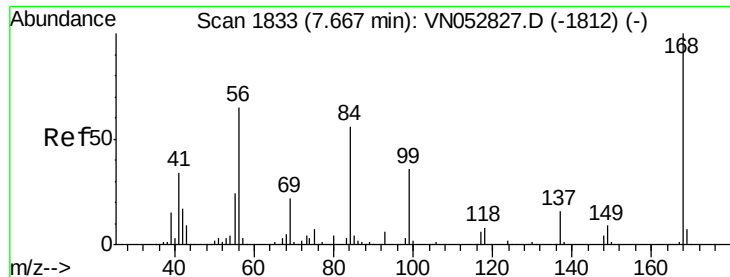
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 00:28:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	14272	0.769	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	7051	0.858	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 927532

Ion Ratio Lower Upper

168 100

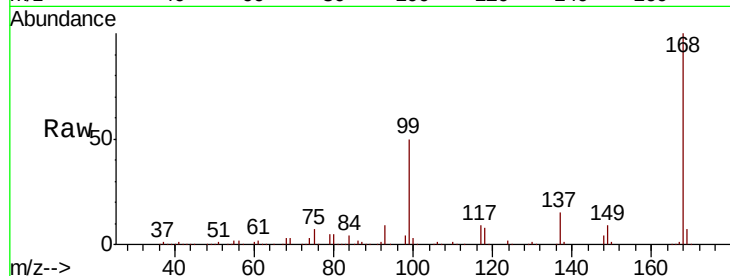
99 50.4 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

200000

100000

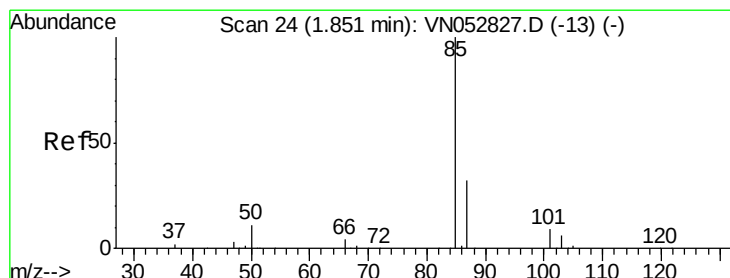
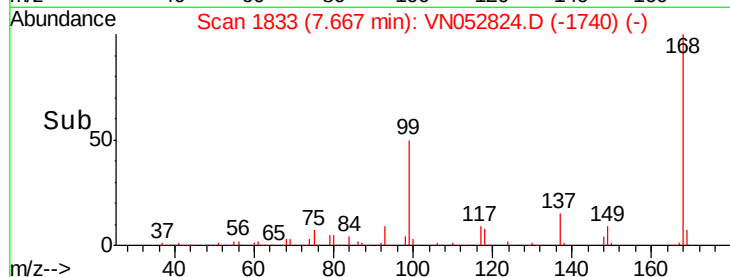
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.851 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052824.D

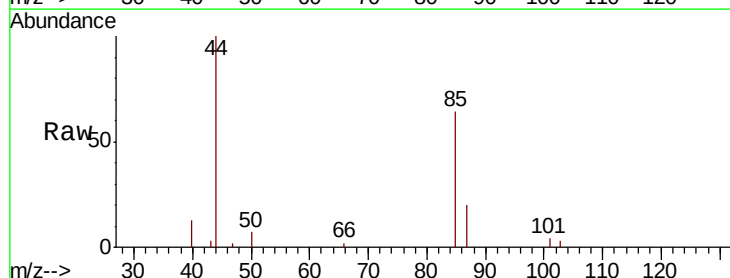
Acq: 12 Dec 2018 13:52

Tgt Ion: 85 Resp: 8129

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

6000

4000

2000

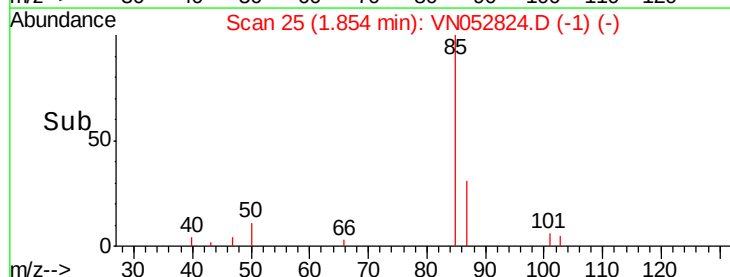
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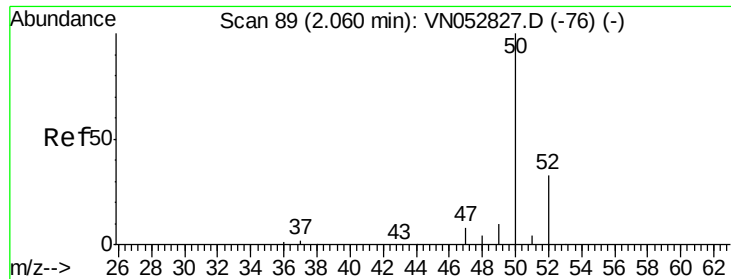
1.80

1.85

1.90

Time-->





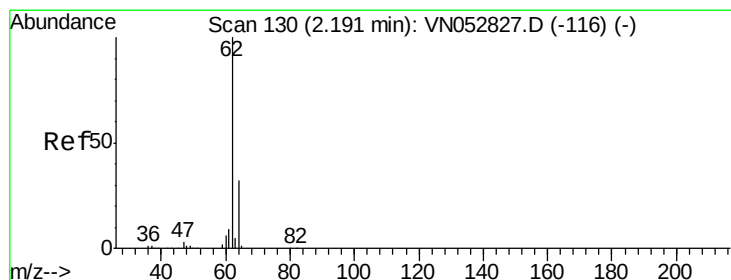
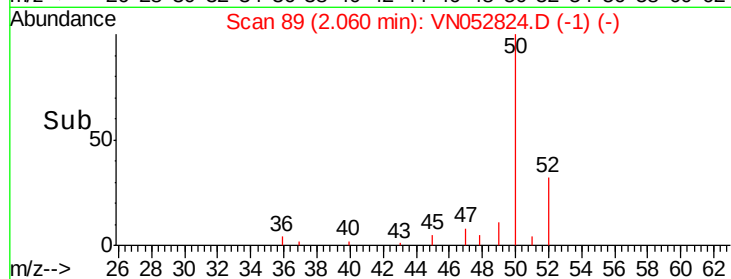
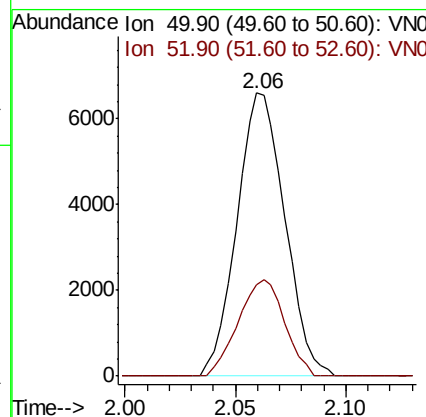
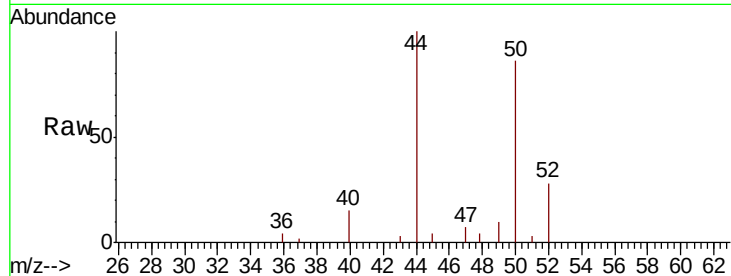
#3
 Chloromethane
 Concen: 0.869 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.2	39.4

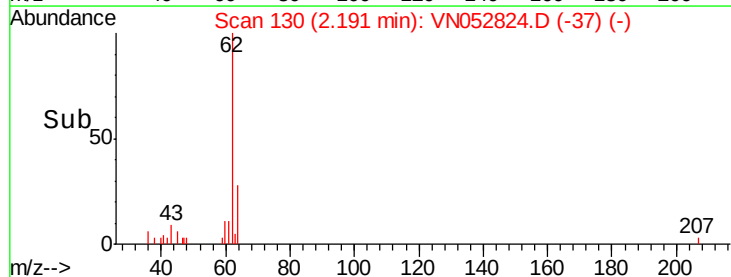
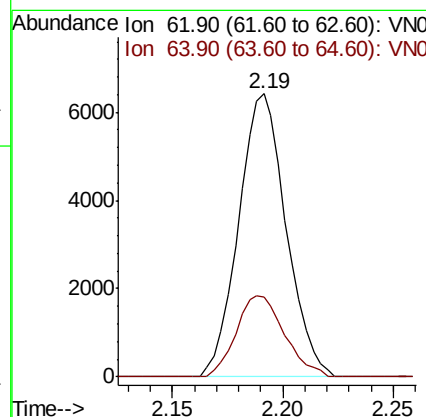
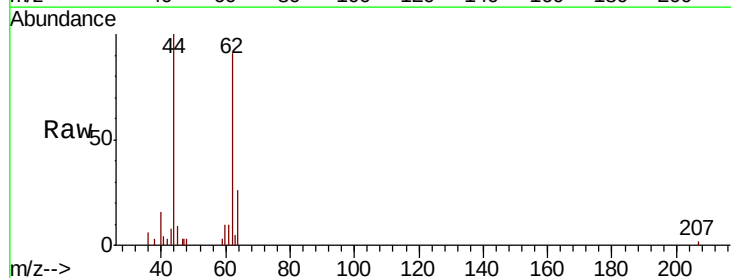
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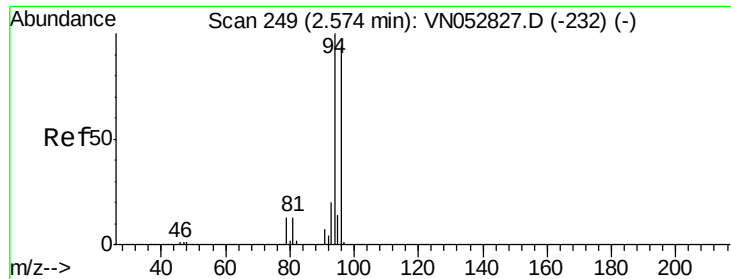
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#4
 Vinyl Chloride
 Concen: 0.836 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3





#5

Bromomethane

Concen: 0.990 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 7003

Ion Ratio Lower Upper

94 100

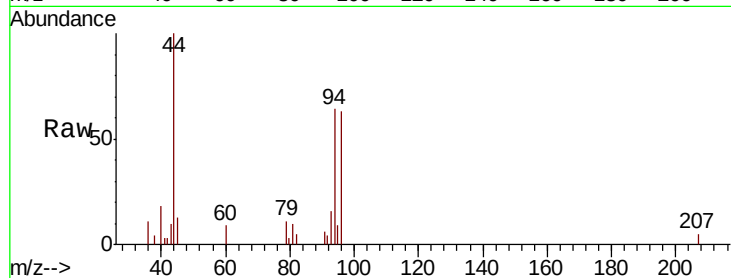
96 97.9 75.0 112.4

Manual Integrations

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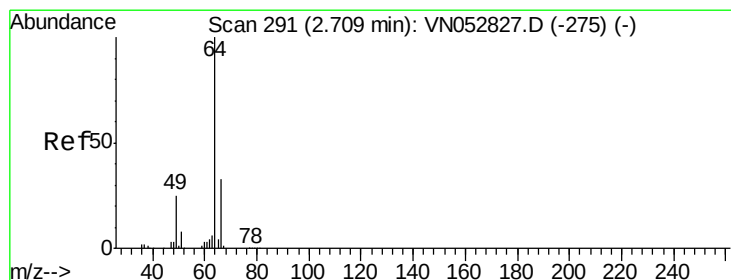
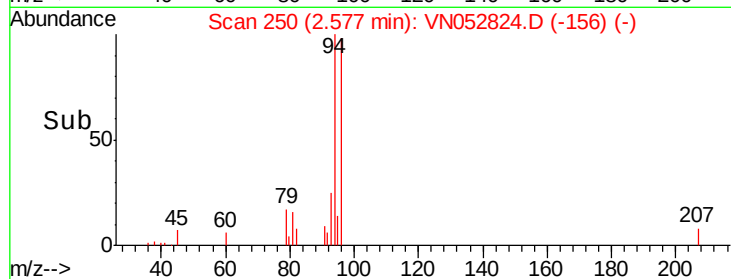
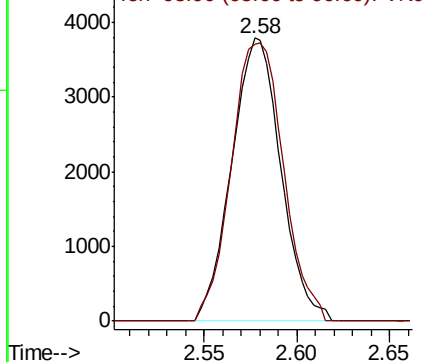
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.887 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052824.D

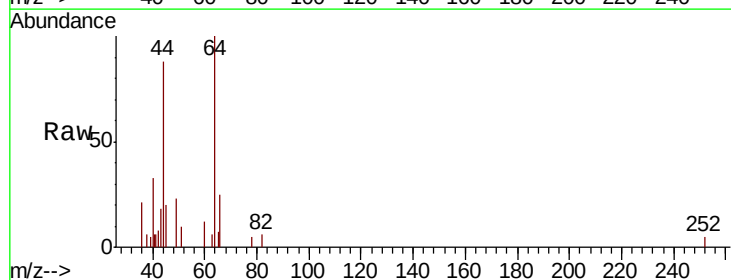
Acq: 12 Dec 2018 13:52

Tgt Ion: 64 Resp: 6009

Ion Ratio Lower Upper

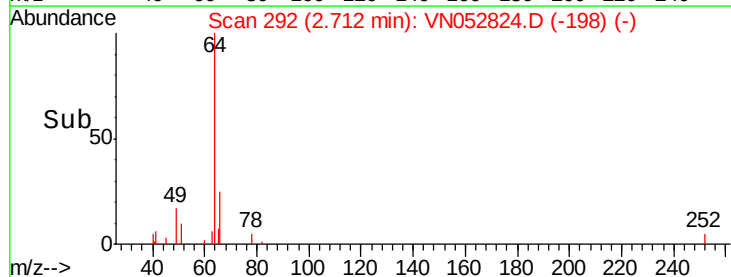
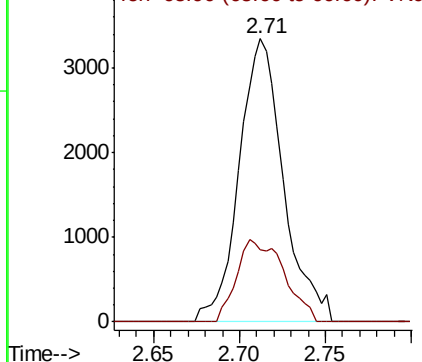
64 100

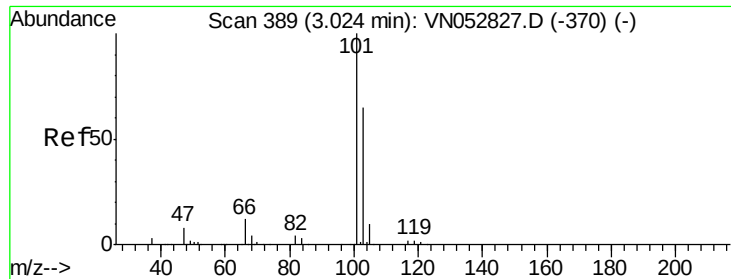
66 25.5 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

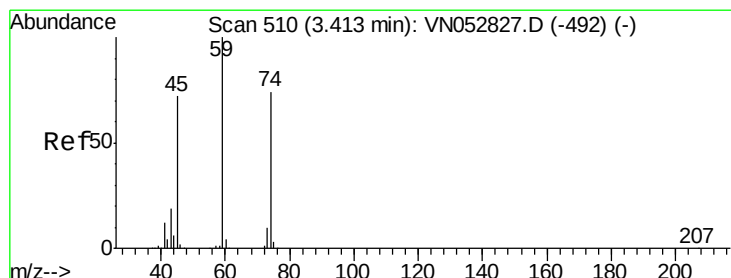
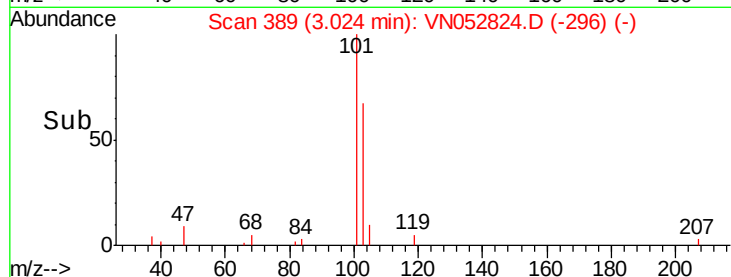
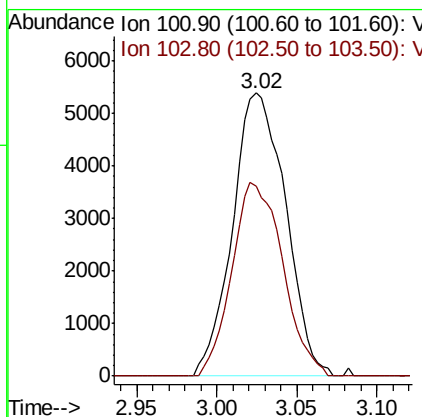
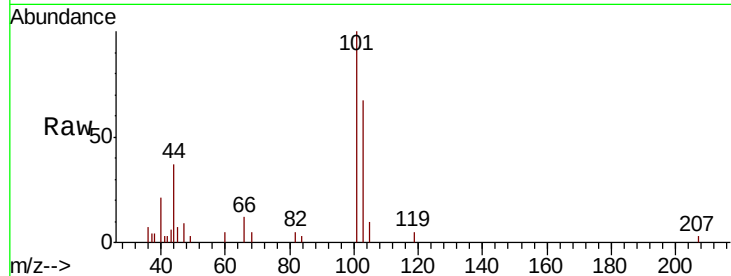
Trichlorofluoromethane
 Concen: 0.861 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.8	77.6

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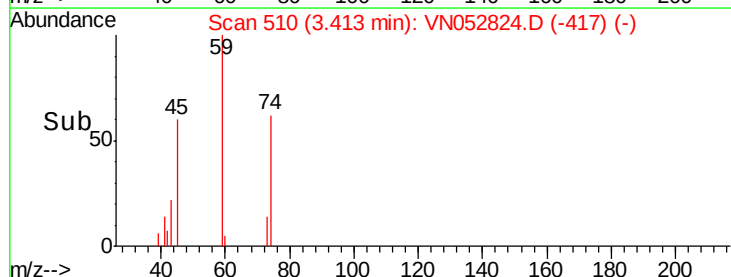
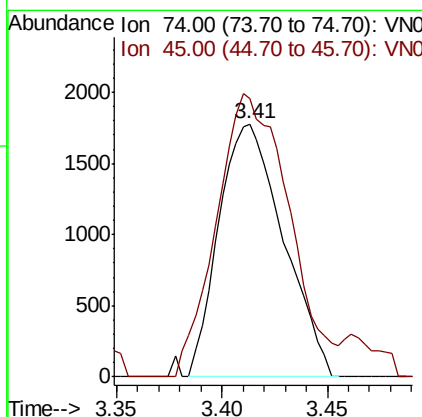
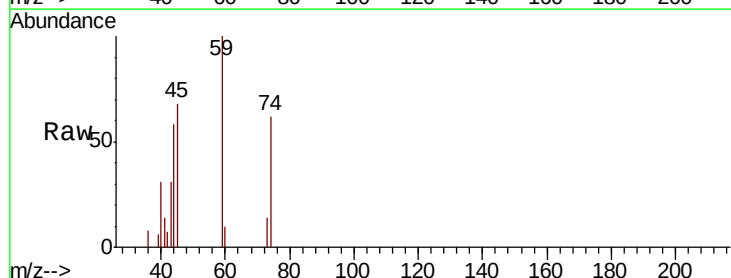
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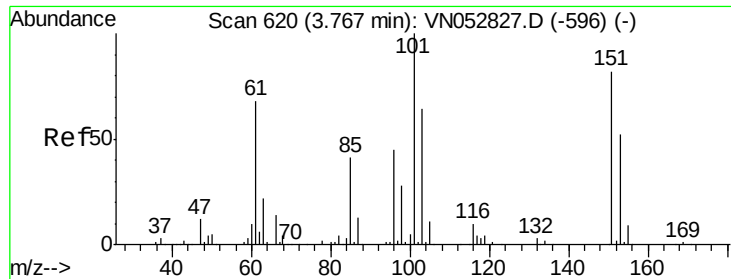


#8

Diethyl Ether
 Concen: 0.728 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.1	49.4	148.0





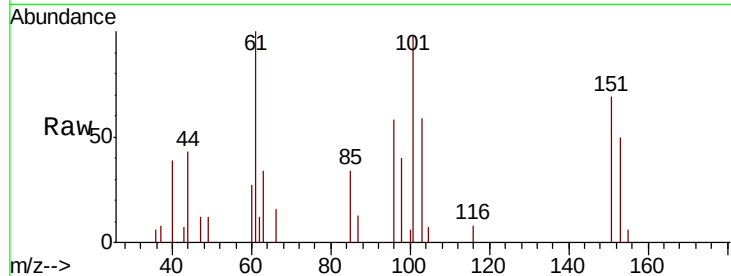
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.853 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

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 VSTDIC001

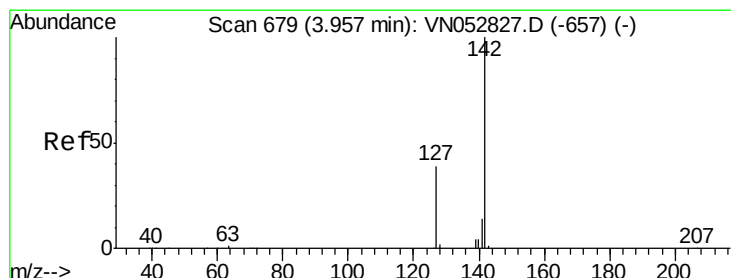
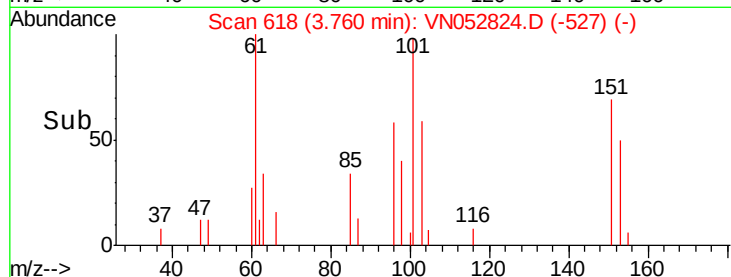
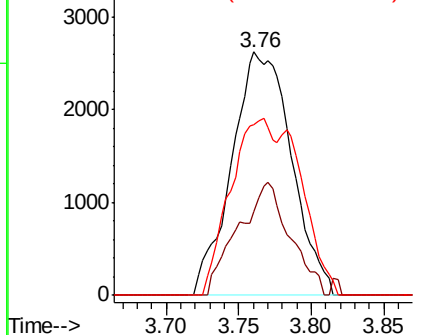
Tot Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.6	50.4
151	54.7	65.5	98.3

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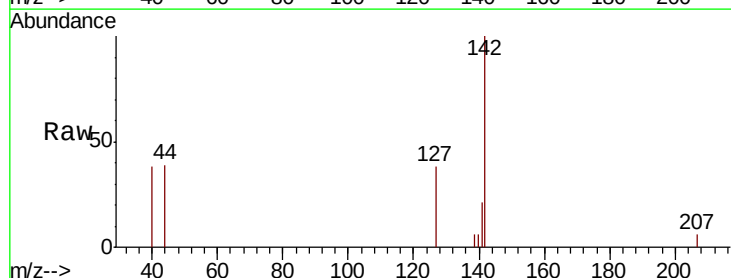


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

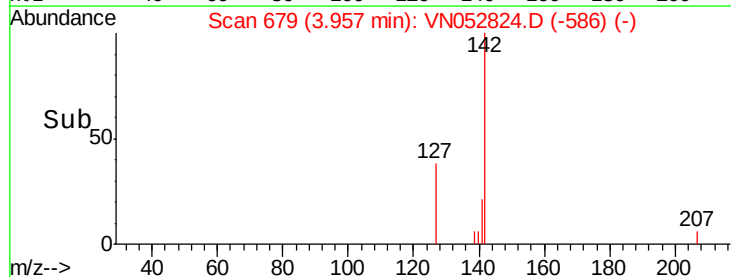
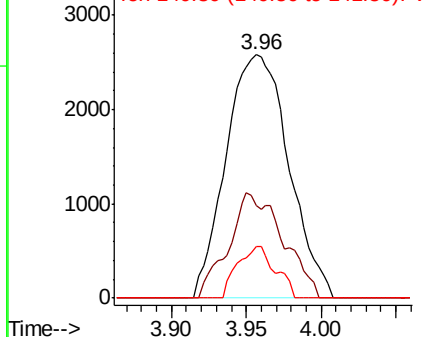


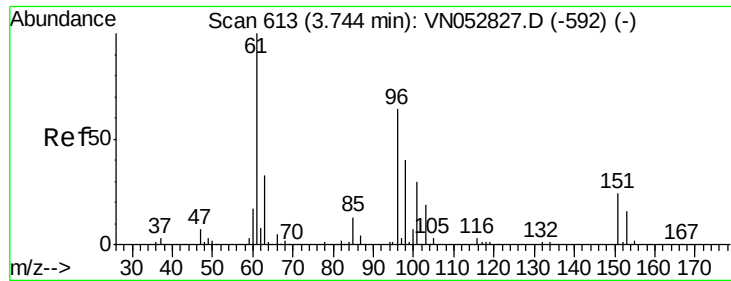
#10
 Methyl Iodide
 Concen: 0.610 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.4	31.0	46.6
141	12.9	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





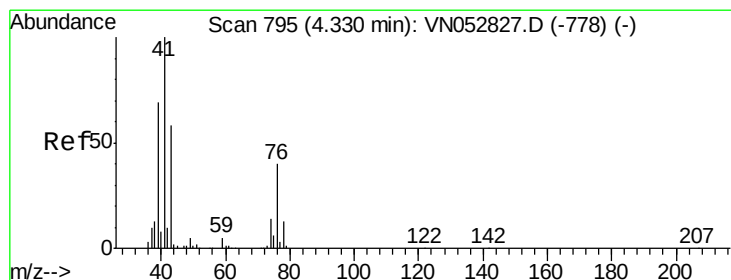
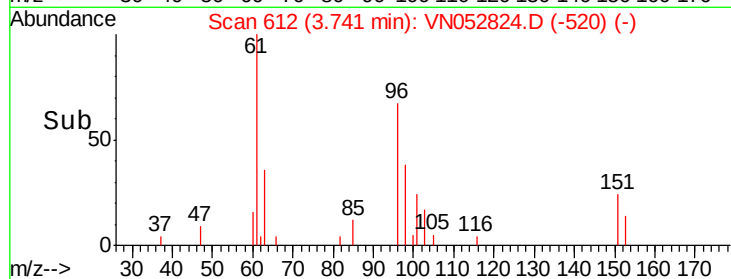
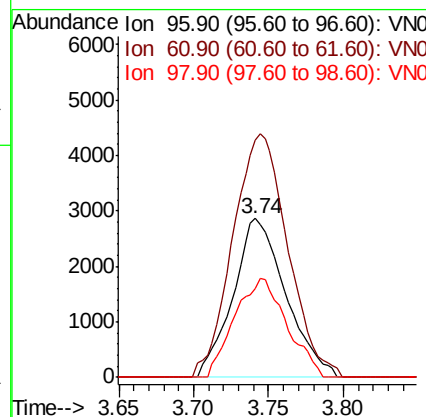
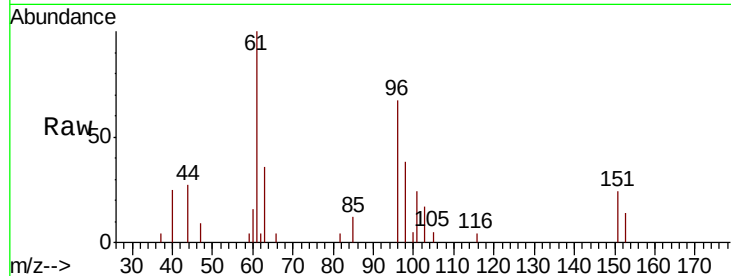
#12
1,1-Dichloroethene
Concen: 0.825 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	125.6	188.4
98	56.2	50.6	75.8

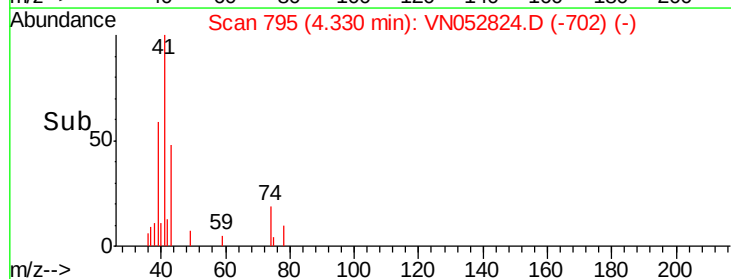
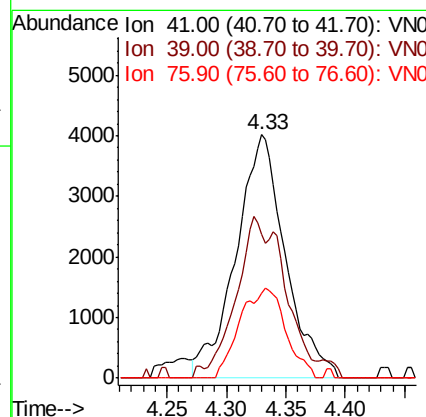
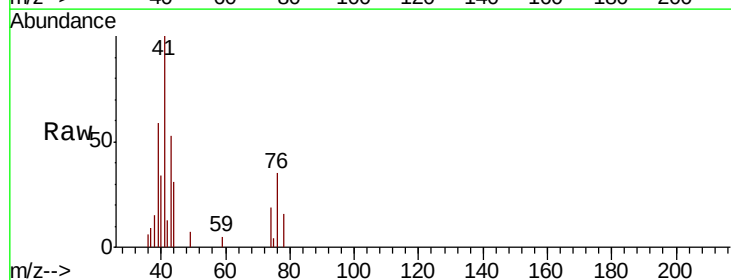
Manual Integrations
APPROVED

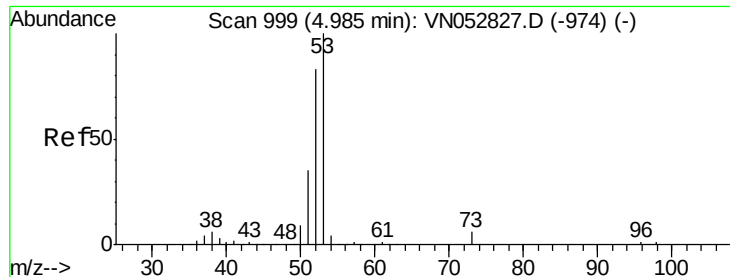
MMDadoda
12/13/2018 1:35:58 PM



#14
Allyl chloride
Concen: 0.828 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	33.8	54.1	81.1#
76	34.2	30.3	45.5





#15

Acrylonitrile

Concen: 3.840 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

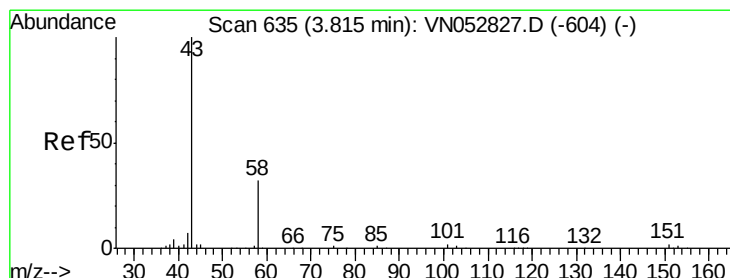
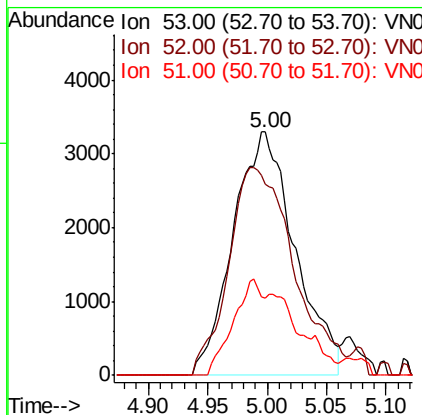
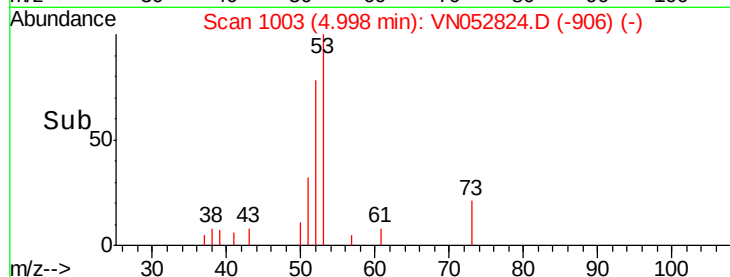
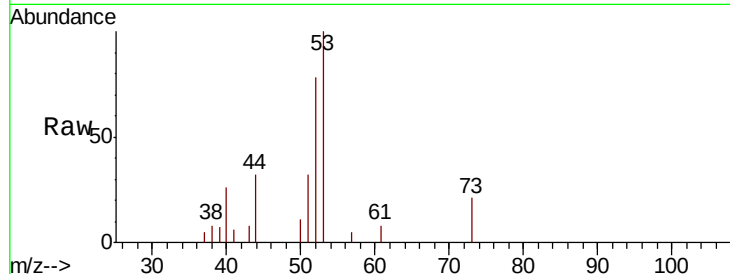
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	11870
Ion	Ratio	Lower	Upper
53	100		
52	90.3	65.1	97.7
51	19.4	28.1	42.1#

Manual Integrations
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#16

Acetone

Concen: 4.325 ug/l

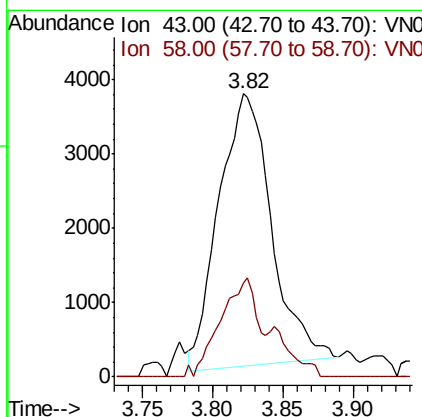
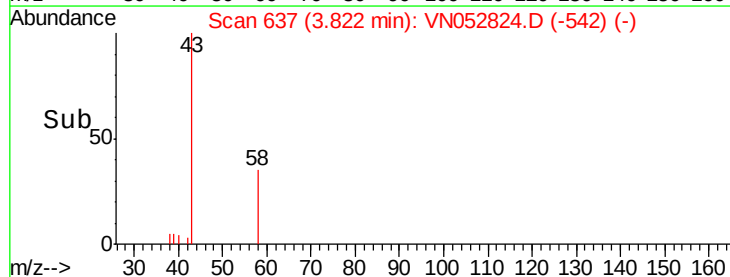
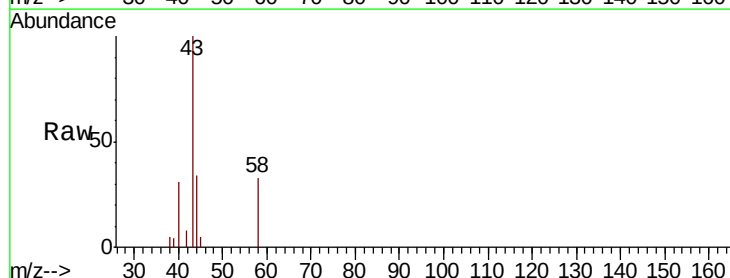
RT: 3.82 min Scan# 637

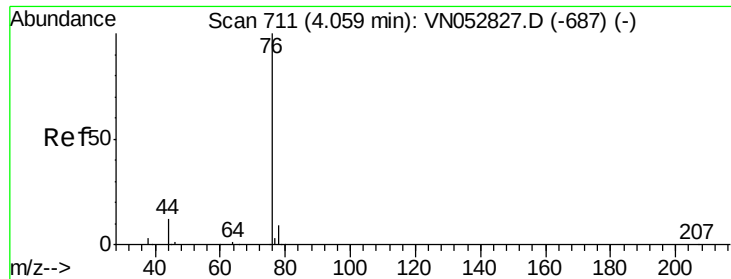
Delta R.T. 0.01 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	43	Resp:	9581
Ion	Ratio	Lower	Upper
43	100		
58	35.4	25.4	38.0





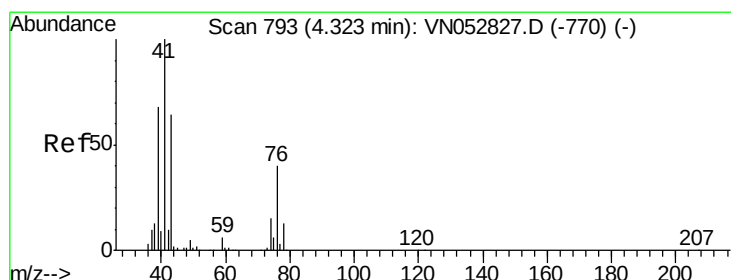
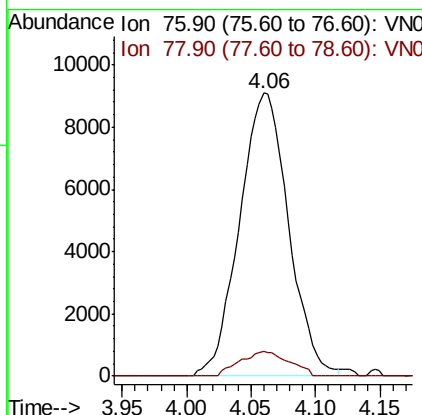
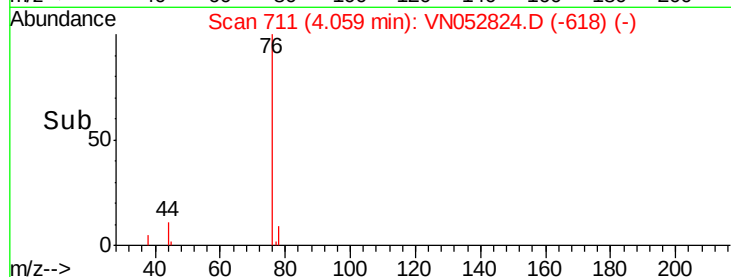
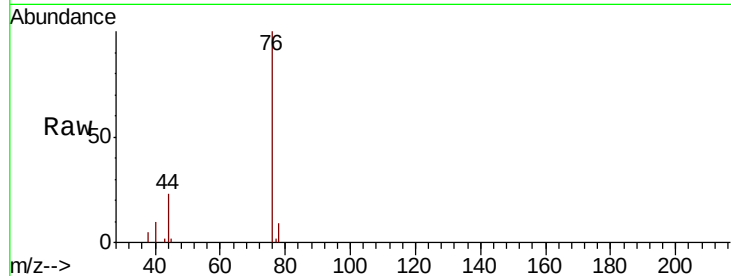
#17
Carbon Disulfide
Concen: 0.918 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

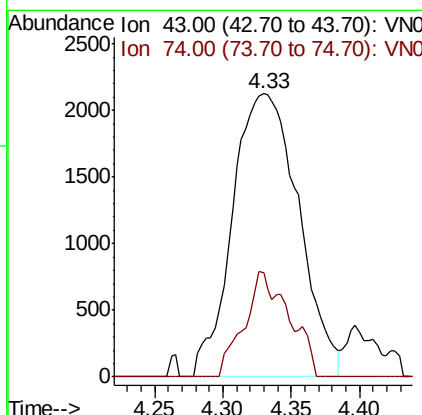
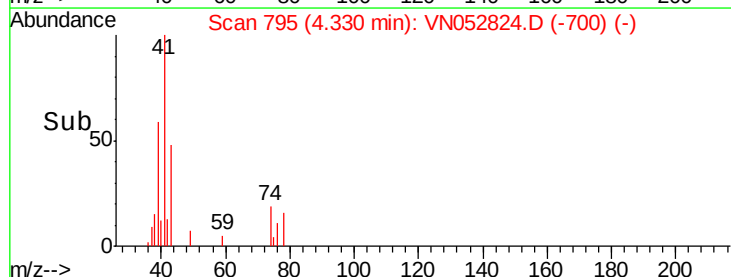
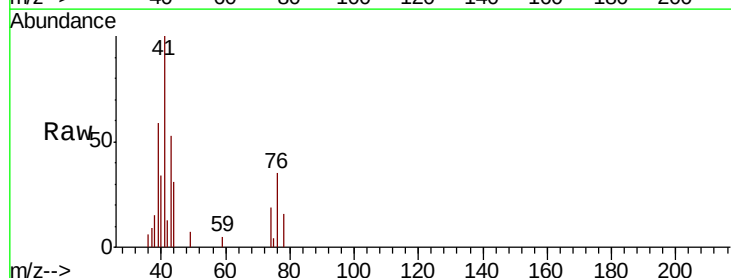
Manual Integrations
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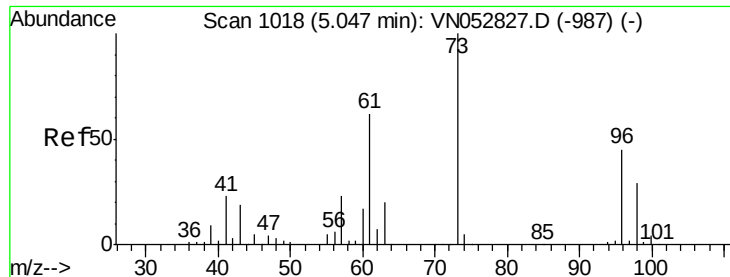
MMDadoda
12/13/2018 1:35:58 PM



#18
Methyl Acetate
Concen: 0.881 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8





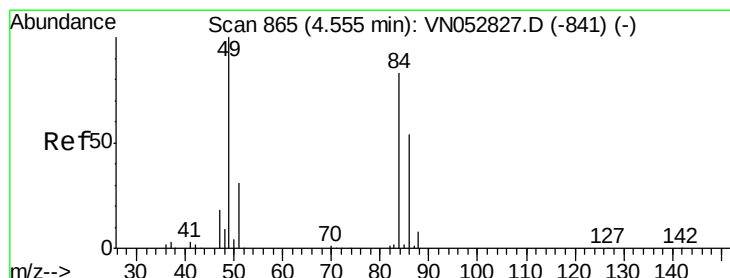
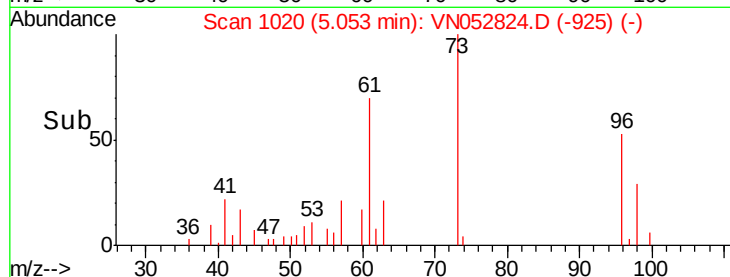
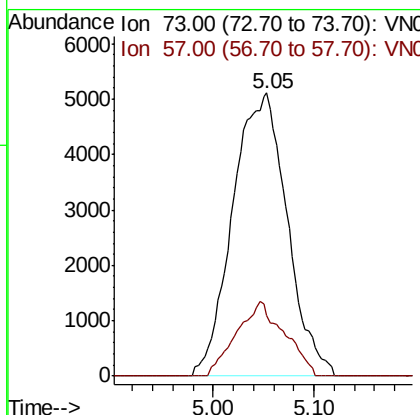
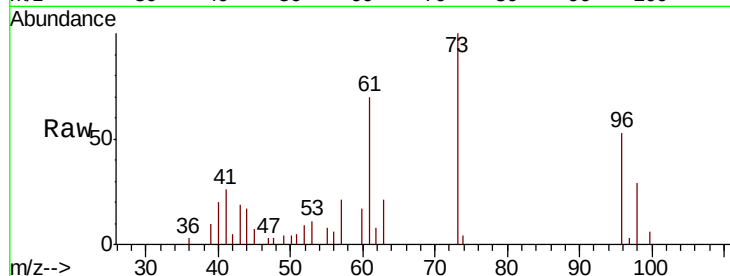
#19
Methvl tert-butvl Ether
Concen: 0.826 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 19134
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6

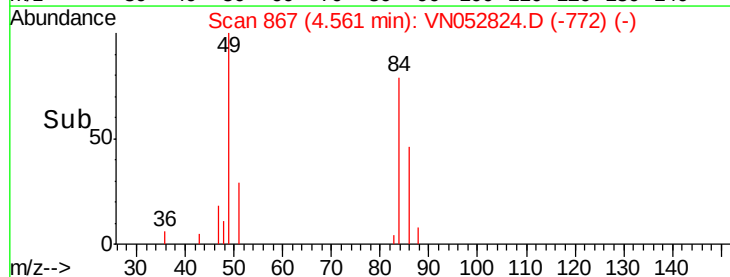
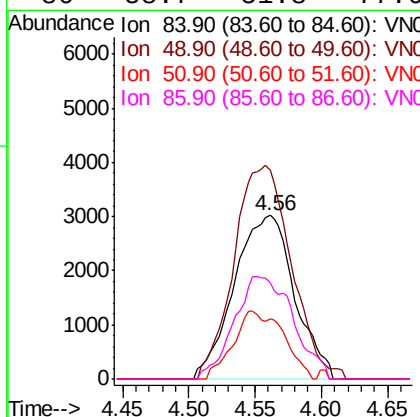
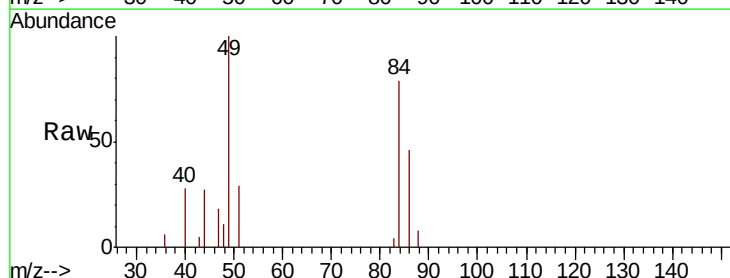
Manual Integrations
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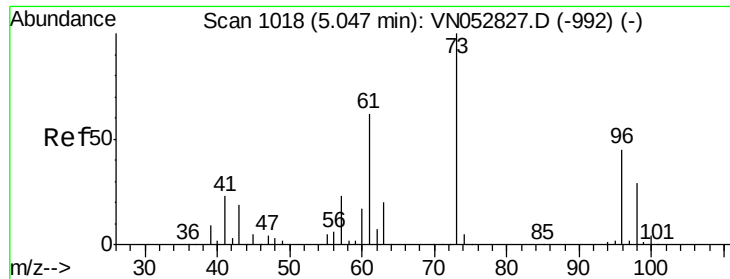
MMDadoda
12/13/2018 1:35:58 PM



#20
Methylene Chloride
Concen: 0.960 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 84 Resp: 9573
Ion Ratio Lower Upper
84 100
49 127.4 96.8 145.2
51 36.6 29.9 44.9
86 58.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.917 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 8475

Ion Ratio Lower Upper

96 100

61 120.3 110.8 166.2

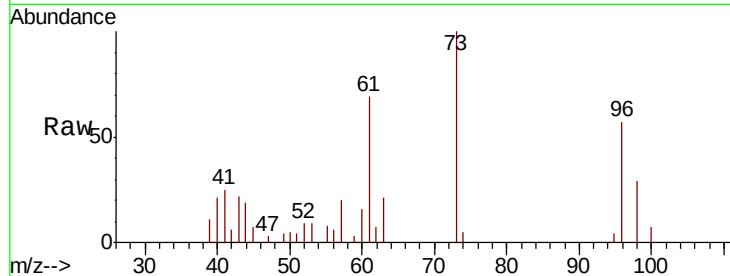
98 51.1 51.4 77.2#

Manual Integrations

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MMDadoda

12/13/2018 1:35:58 PM

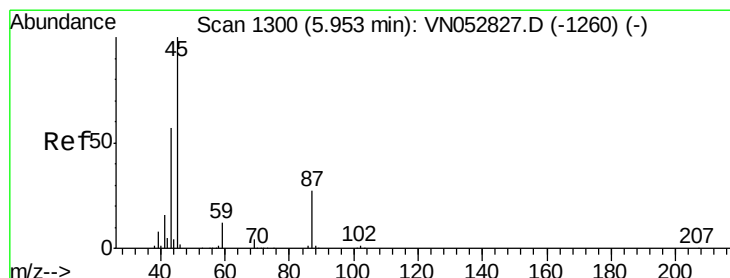
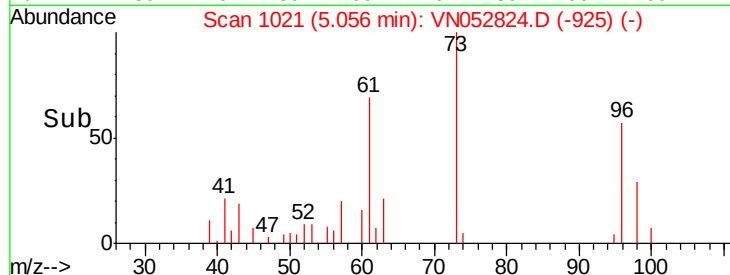
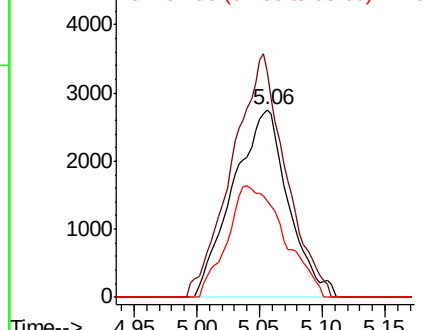


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.826 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion: 45 Resp: 24559

Ion Ratio Lower Upper

45 100

43 58.7 45.5 68.3

87 26.3 22.0 33.0

59 12.3 9.4 14.0

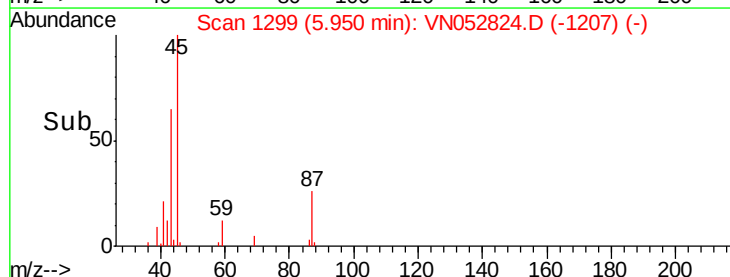
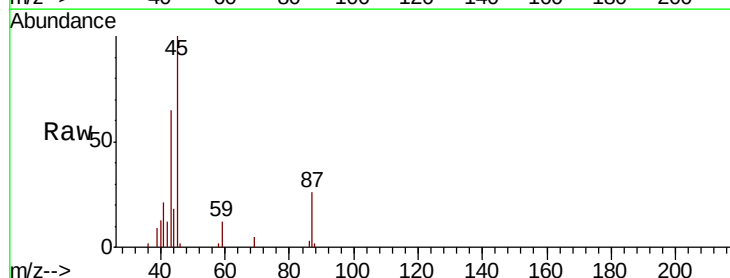
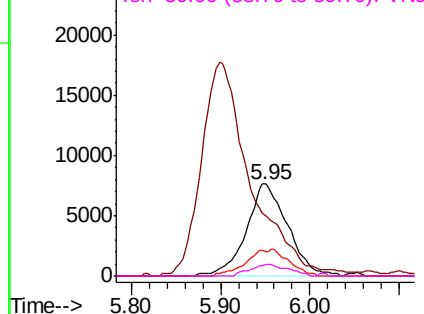
Abundance

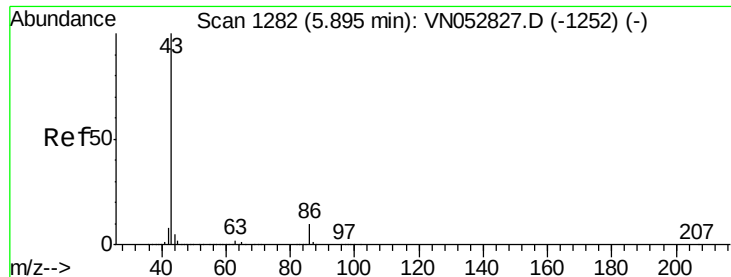
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





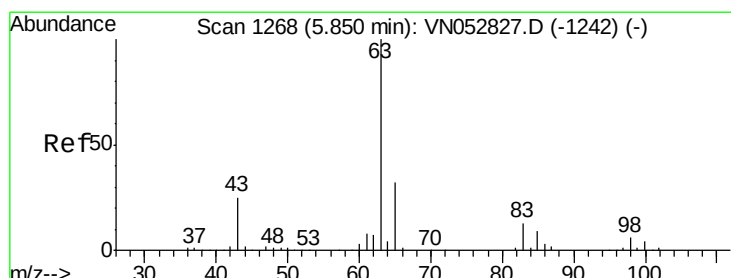
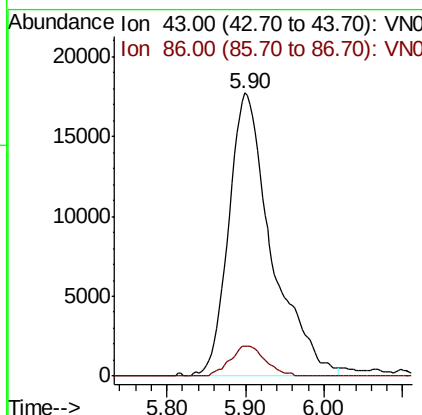
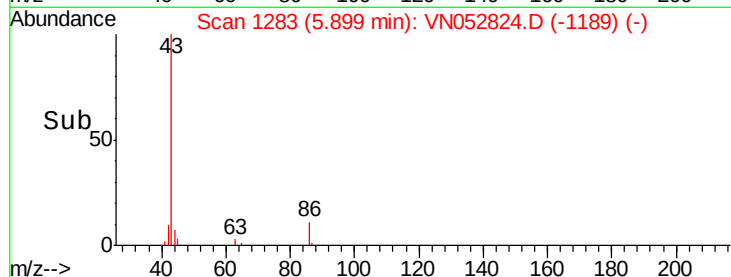
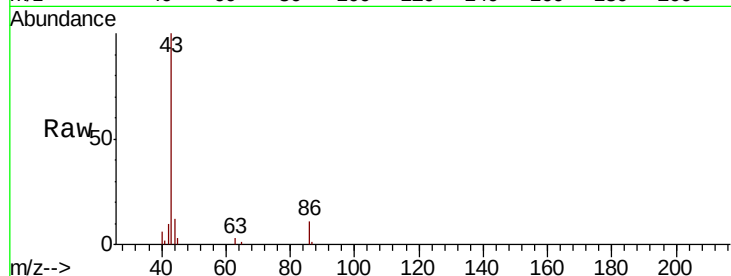
#23
Vinyl Acetate
Concen: 3.809 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 67348
Ion Ratio Lower Upper
43 100
86 10.8 8.1 12.1

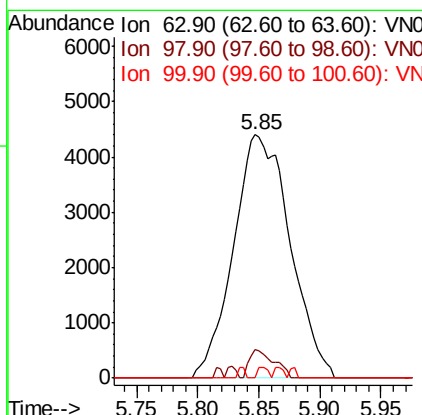
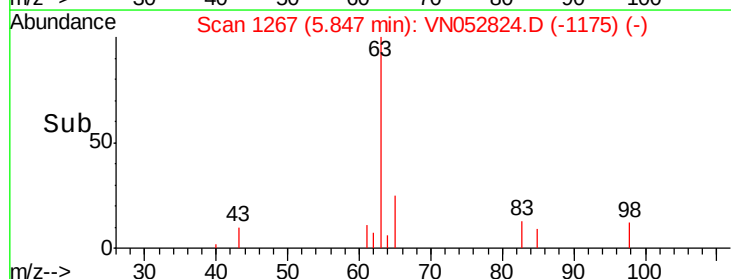
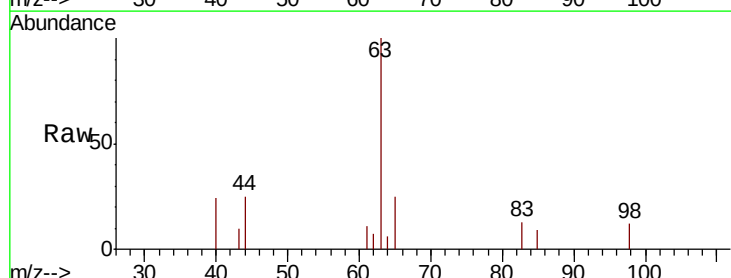
Manual Integrations
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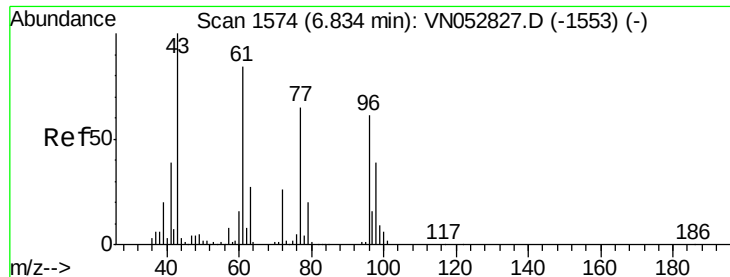
MMDadoda
12/13/2018 1:35:58 PM



#24
1,1-Dichloroethane
Concen: 0.827 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 63 Resp: 14179
Ion Ratio Lower Upper
63 100
98 11.7 3.1 9.4#
100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 4.299 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 14775

Ion Ratio Lower Upper

43 100

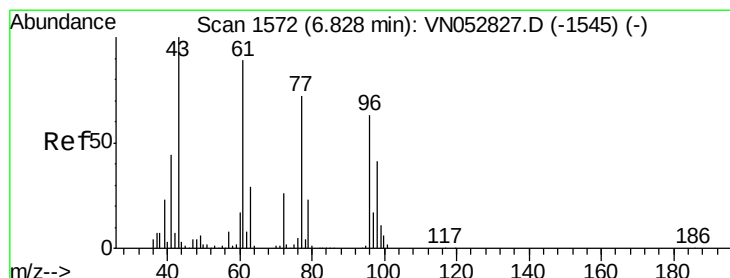
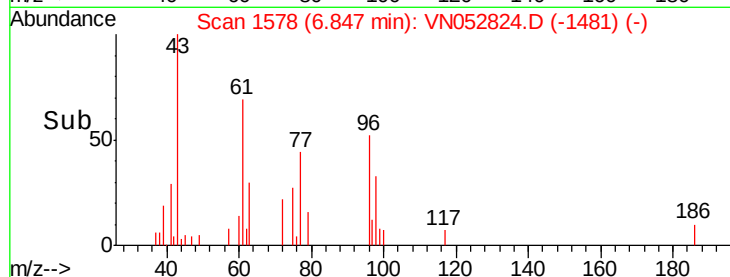
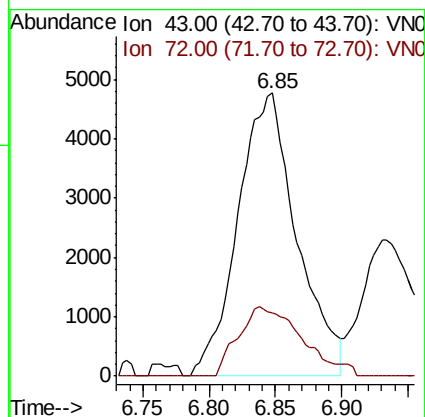
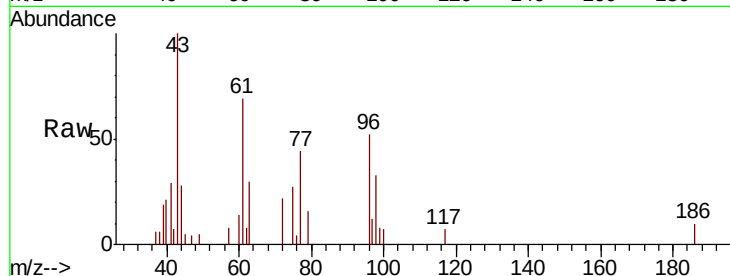
72 22.5 21.0 31.6

Manual Integrations

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12/13/2018 1:35:58 PM



#26

2,2-Dichloropropane

Concen: 0.851 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052824.D

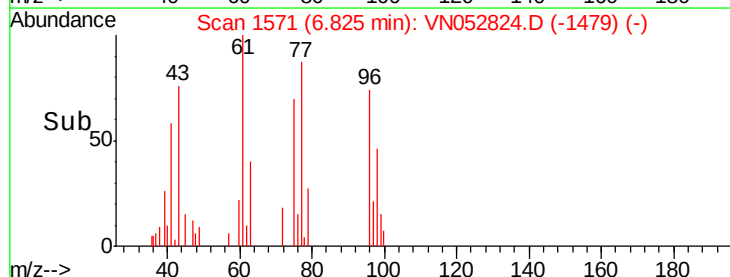
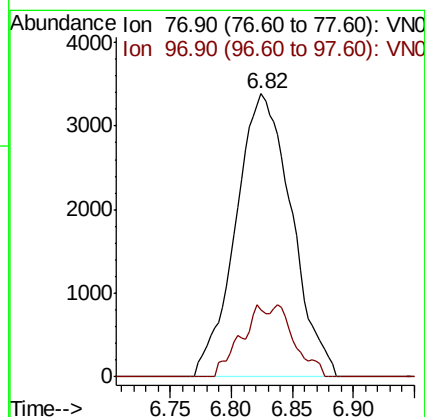
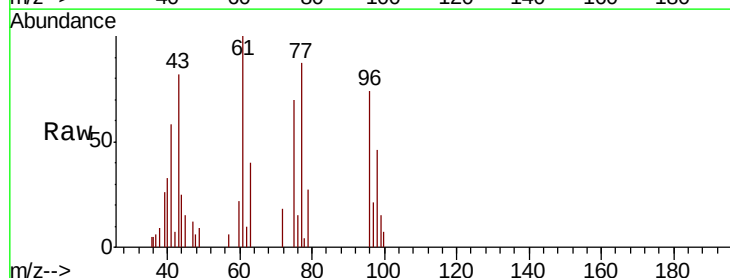
Acq: 12 Dec 2018 13:52

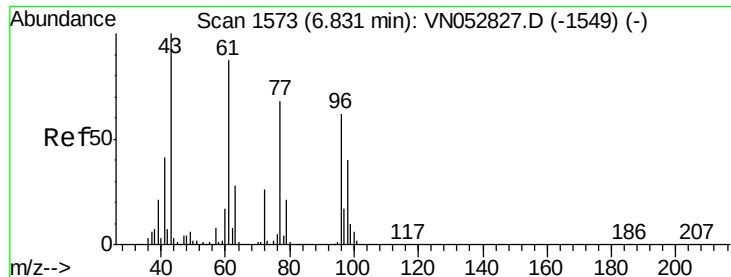
Tgt Ion: 77 Resp: 10743

Ion Ratio Lower Upper

77 100

97 11.4 11.9 35.9#





#27

cis-1,2-Dichloroethene

Concen: 0.853 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

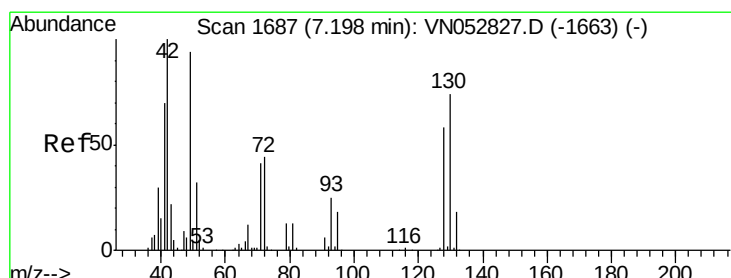
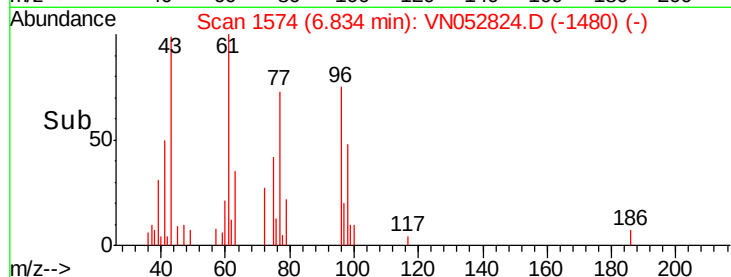
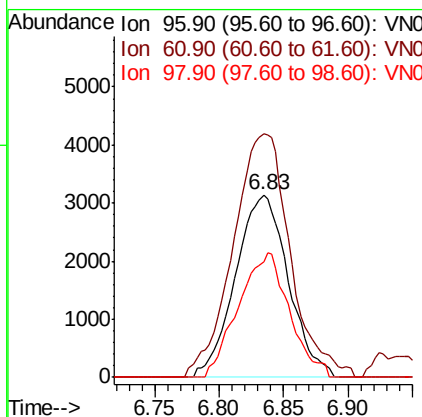
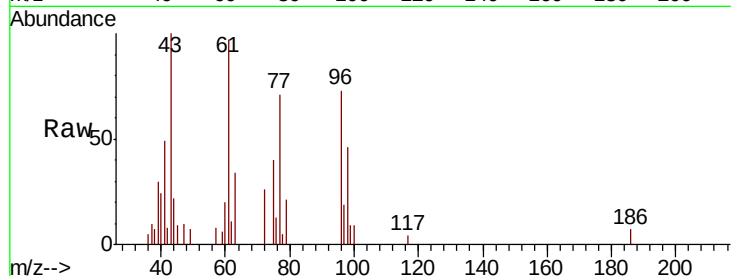
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	8947
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	284.2
98	65.8	0.0	129.2

Manual Integrations
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12/13/2018 1:35:58 PM



#28

Bromochloromethane

Concen: 0.886 ug/l

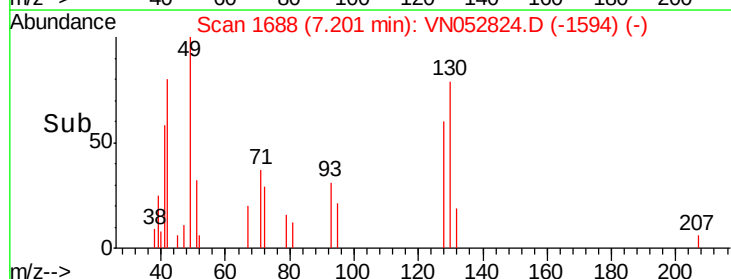
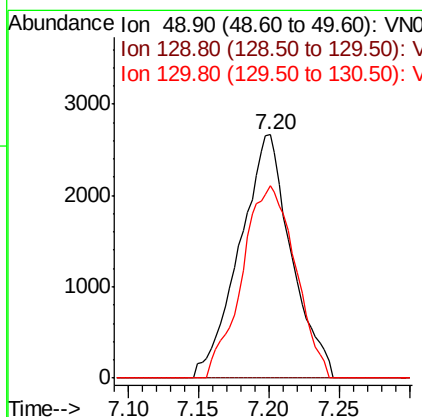
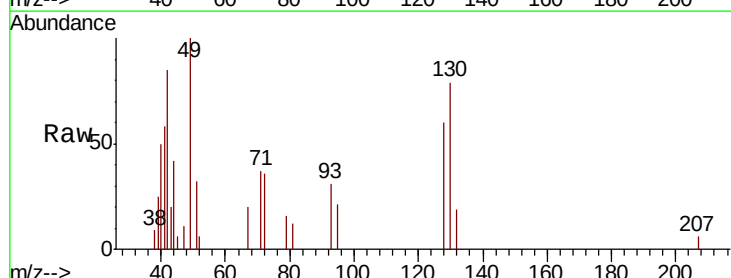
RT: 7.20 min Scan# 1688

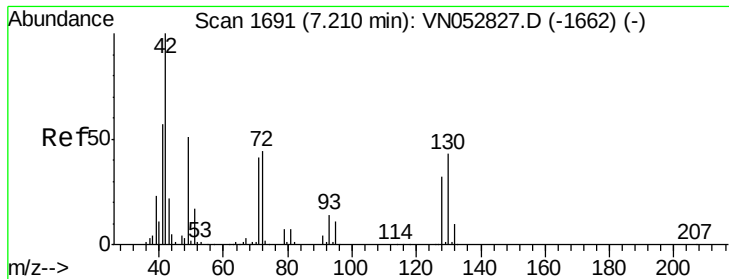
Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	49	Resp:	6820
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	81.3	63.3	94.9





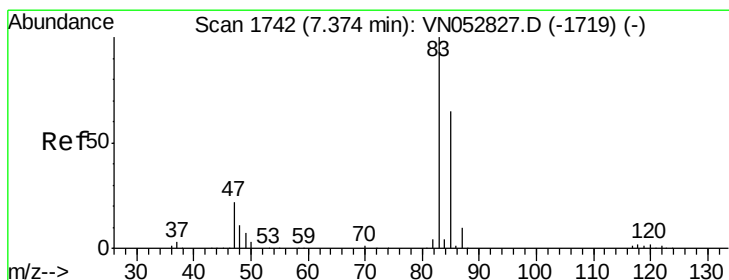
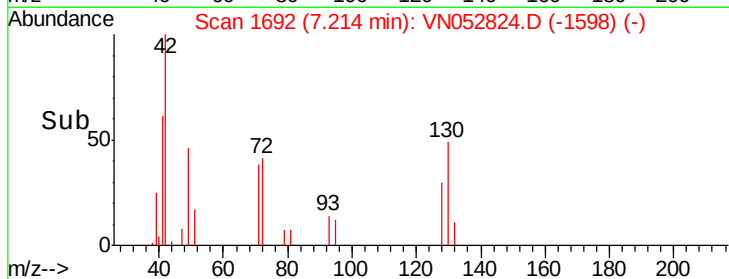
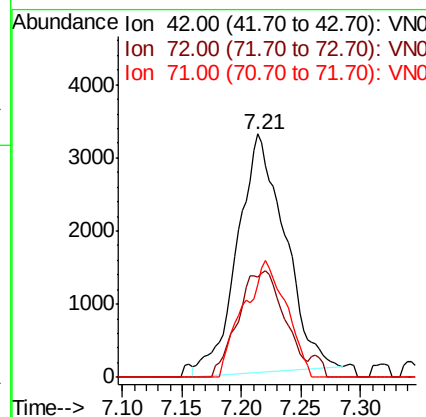
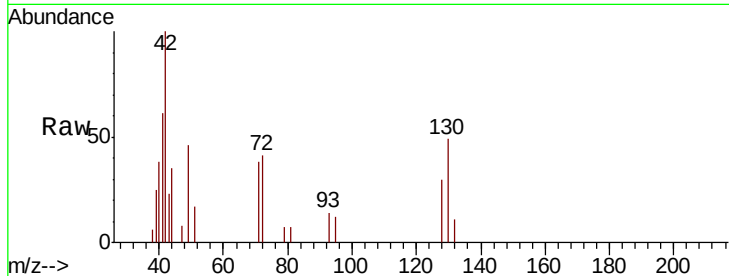
#29
Tetrahydrofuran
Concen: 3.818 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.7	52.1
71	44.5	32.3	48.5

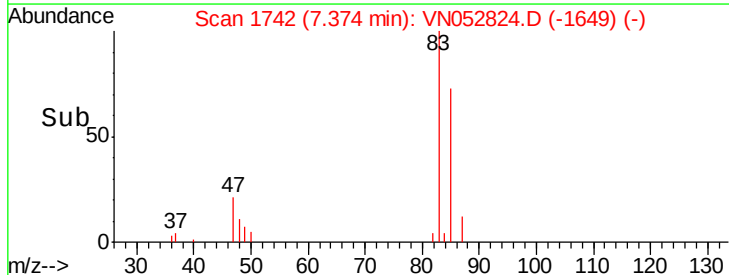
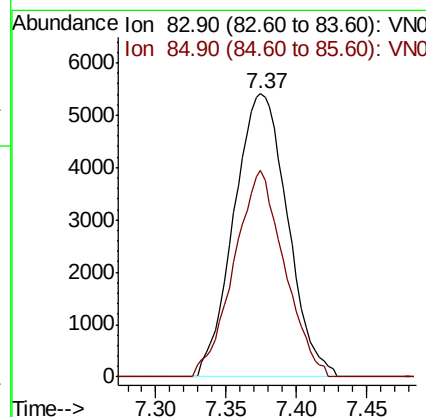
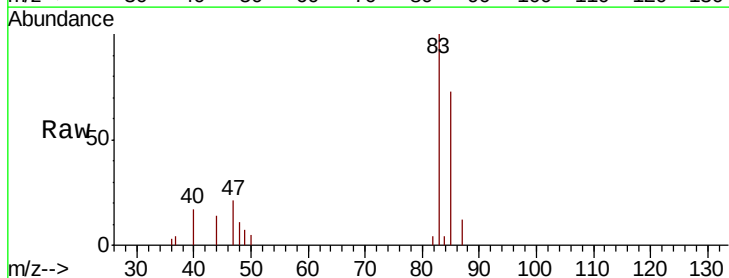
Manual Integrations
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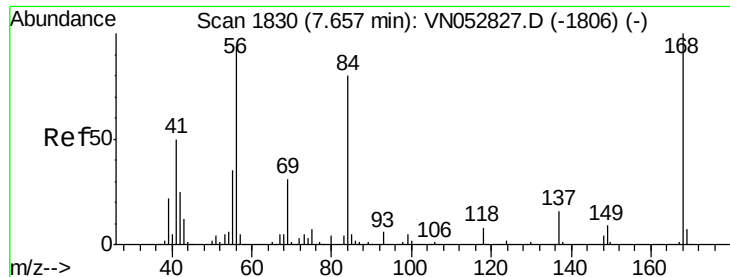
MMDadoda
12/13/2018 1:35:58 PM



#30
Chloroform
Concen: 0.859 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.0	52.1	78.1





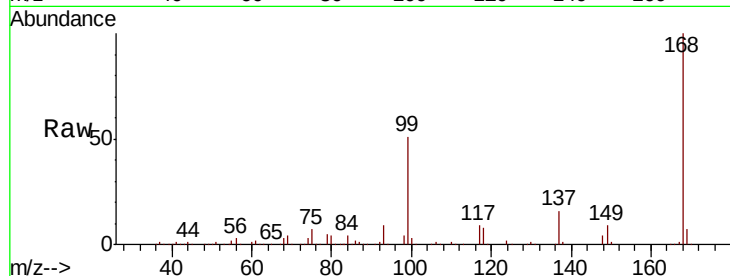
#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	128.2	26.6	39.8#
84	131.0	68.4	102.6#

Manual Integrations
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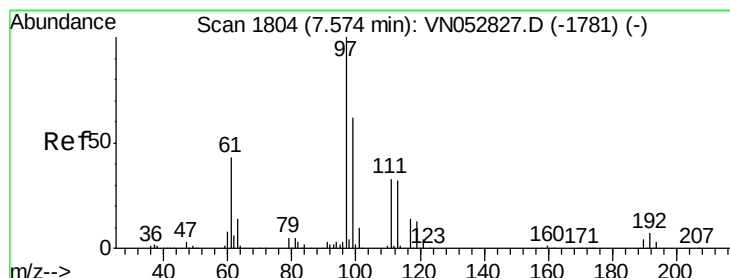
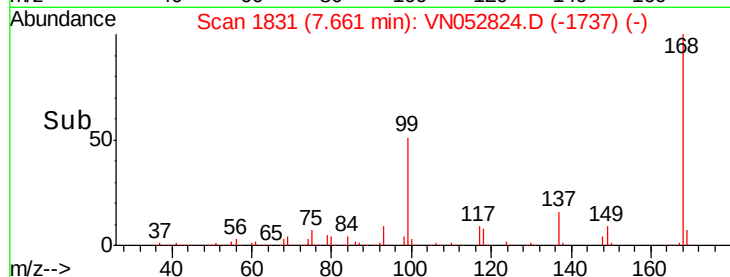
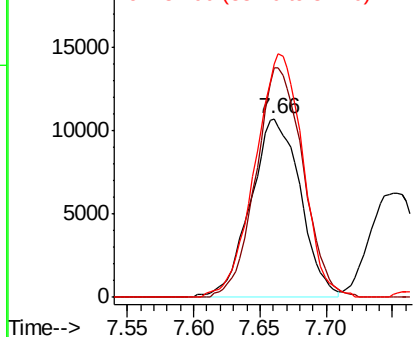


Abundance

Ion 56.00 (55.70 to 56.70): VN0

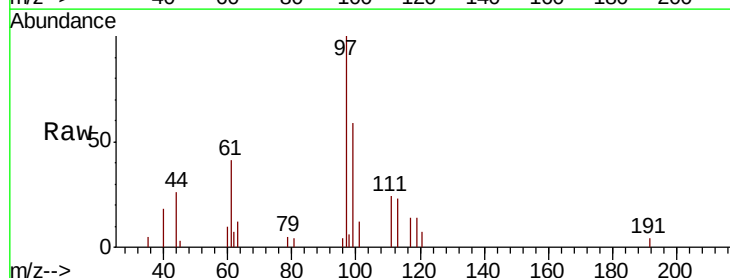
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 0.813 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	44.6	35.0	52.6

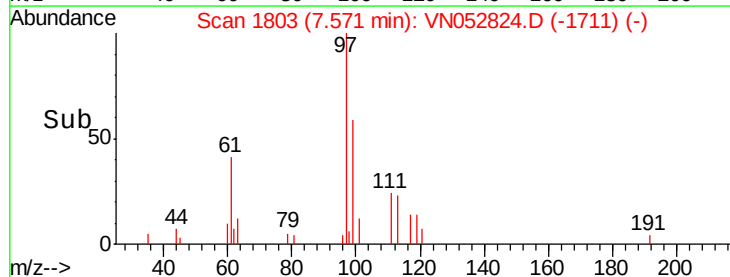
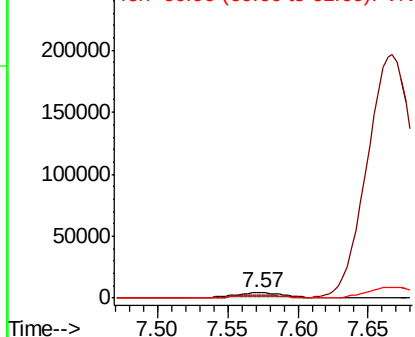


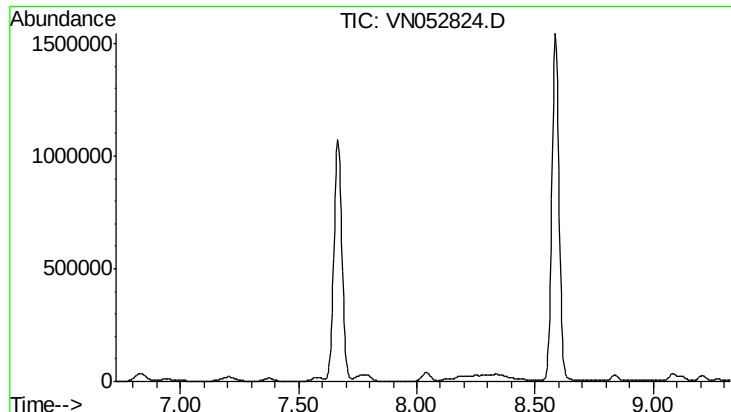
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





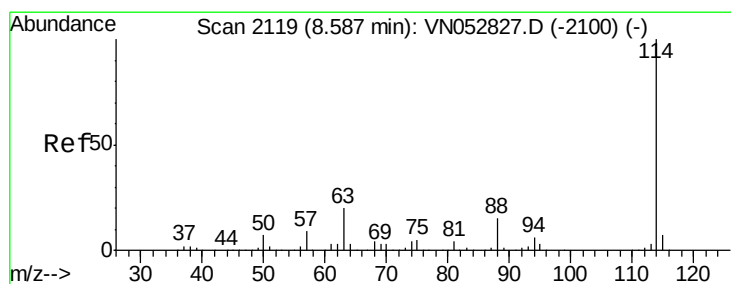
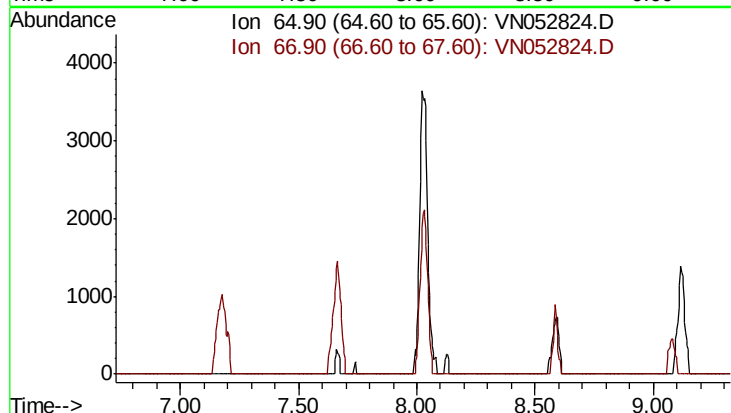
#33
 1,2-Dichloroethane-d4
 Concen: 0.813 ug/l
 Expected RT: 8.03 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 55.2

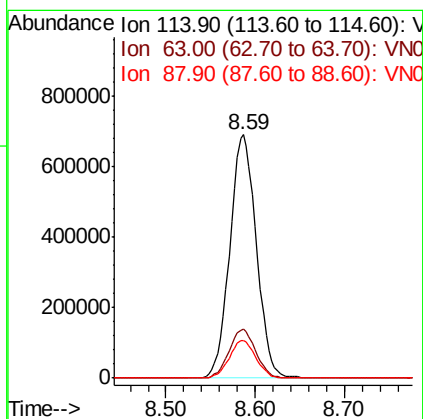
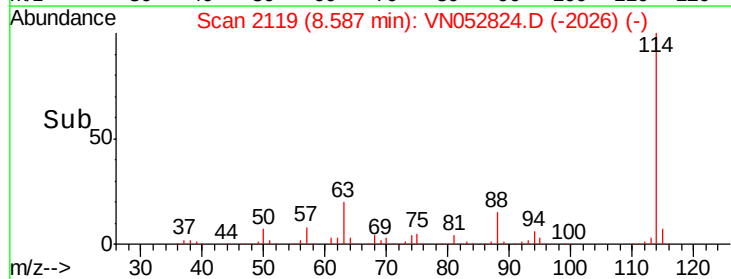
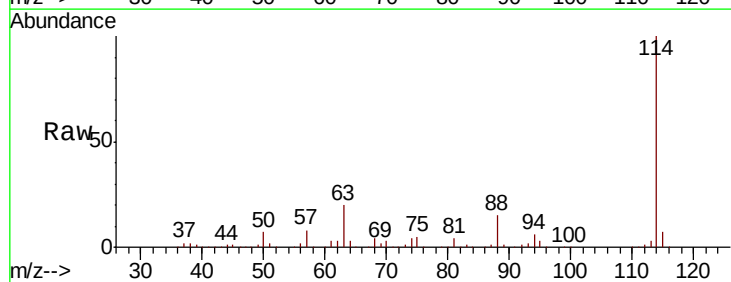
Manual Integrations
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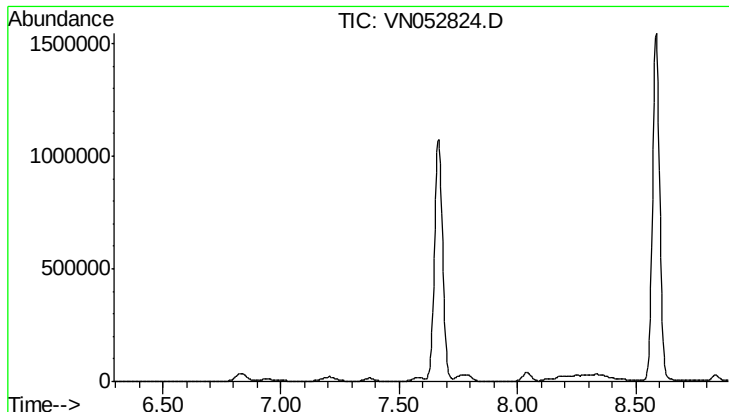
MMDadoda
 12/13/2018 1:35:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion:114 Resp: 1417720
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane
Concen: 50.000 ug/l
Expected RT: 7.59 min

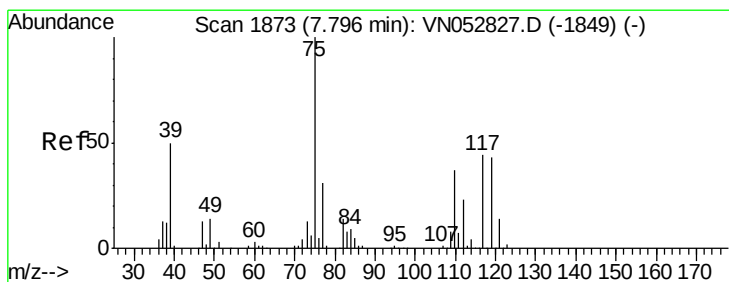
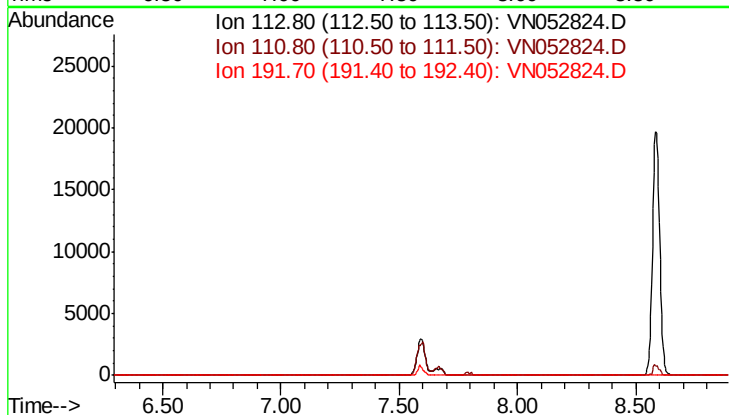
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tot Ion	113
Exp Ratio	100
111	103.7
192	21.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

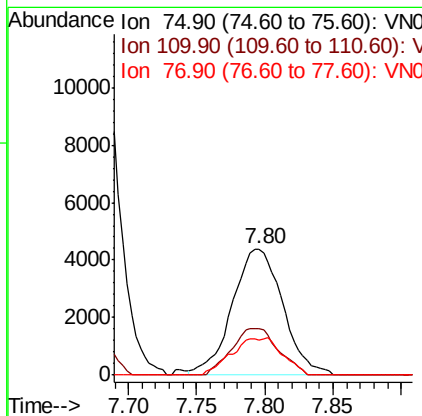
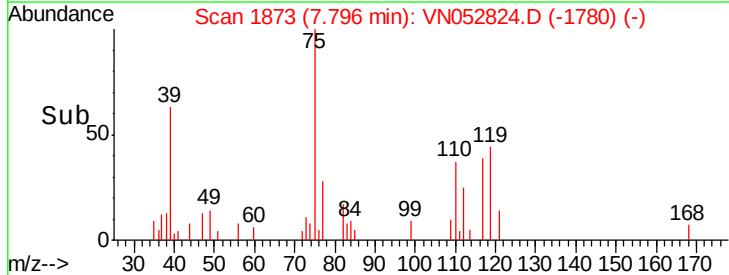
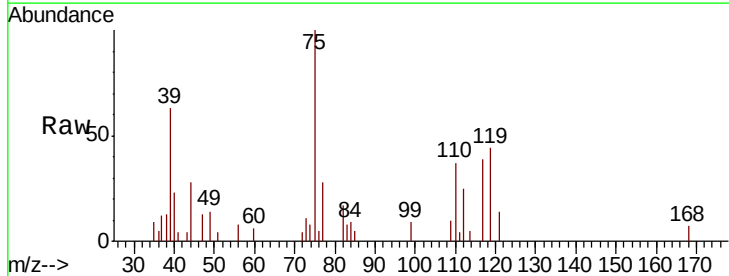
MMDadoda
12/13/2018 1:35:58 PM

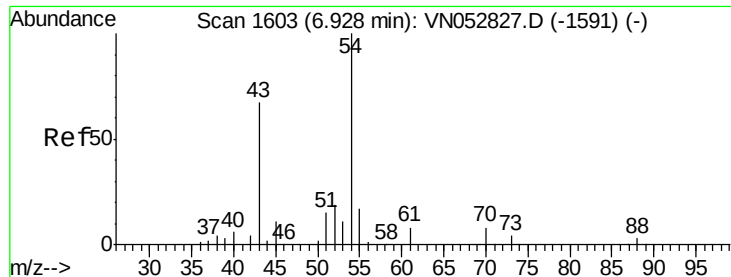


#36

1,1-Dichloropropene
Concen: 0.867 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	75	Resp:	11318
Ion Ratio	100		
75	100		
110	34.0	18.2	54.6
77	29.6	24.9	37.3





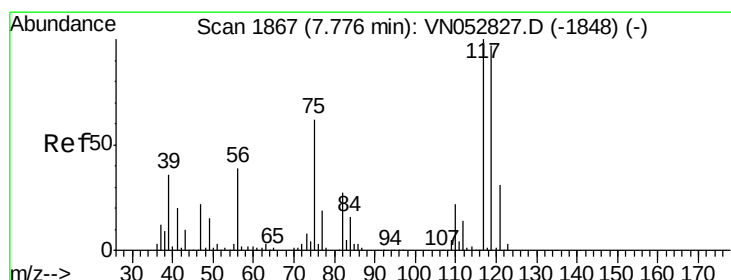
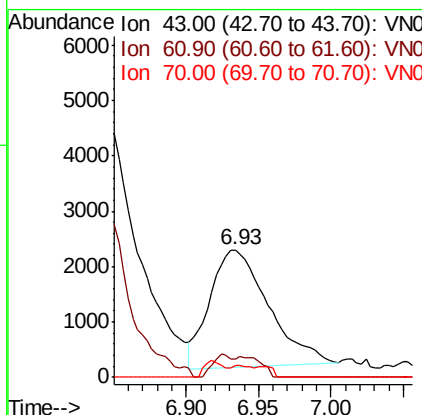
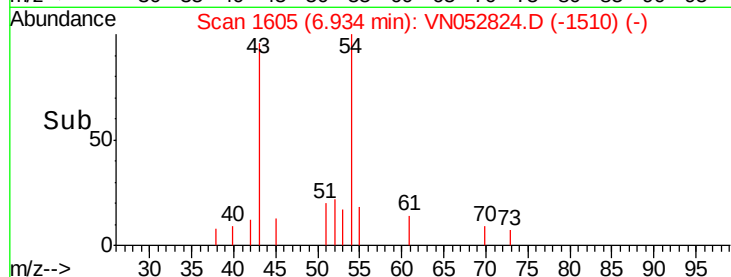
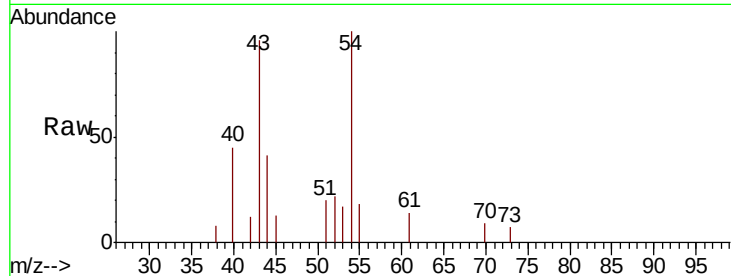
#37
Ethyl Acetate
Concen: 0.757 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	5.6	8.4	12.6#

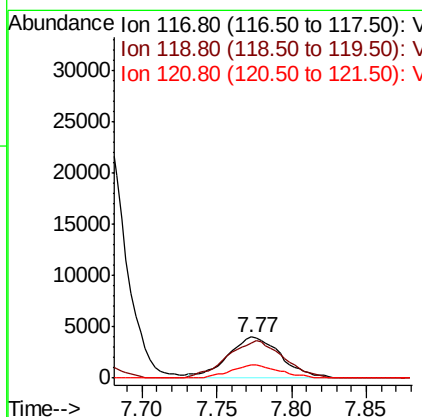
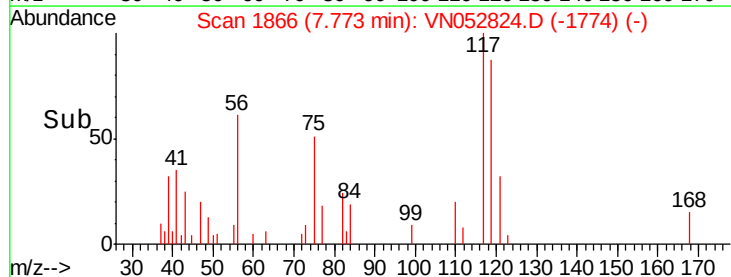
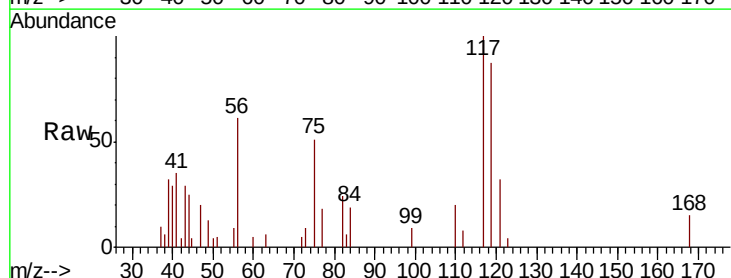
Manual Integrations
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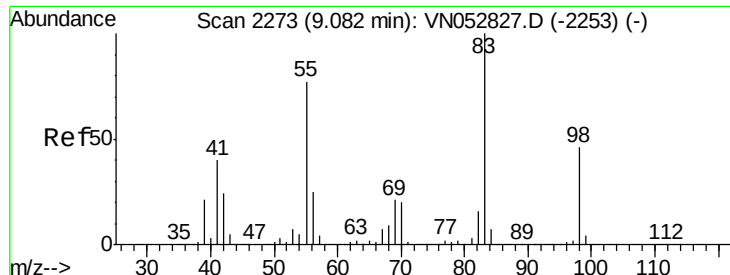
MMDadoda
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#38
Carbon Tetrachloride
Concen: 0.827 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.7	77.1	115.7
121	31.5	24.9	37.3





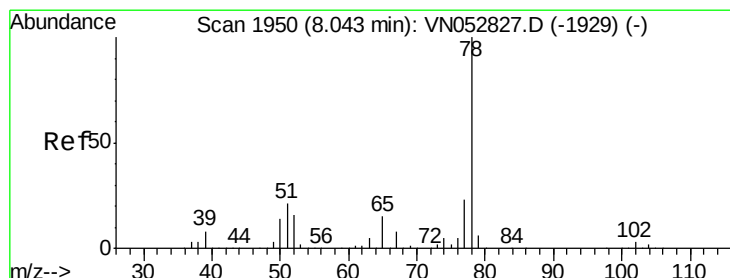
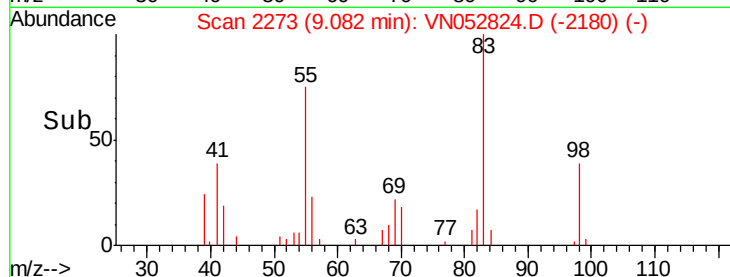
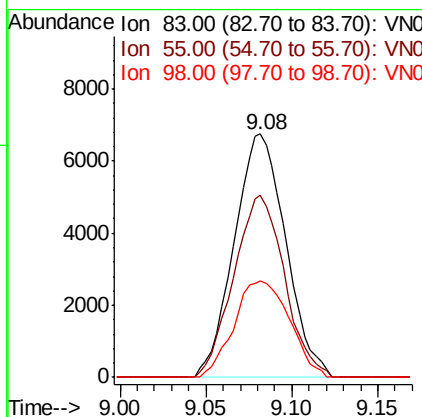
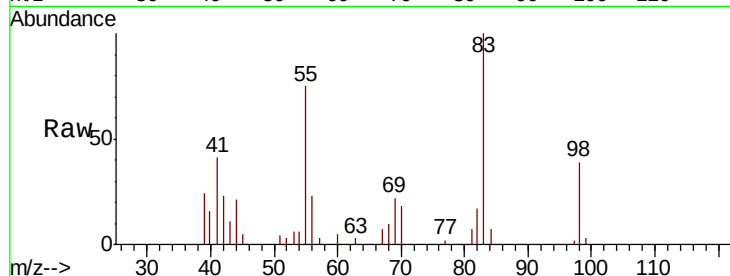
#39
Methylvlcyclohexane
Concen: 0.877 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	39.4	37.0	55.4

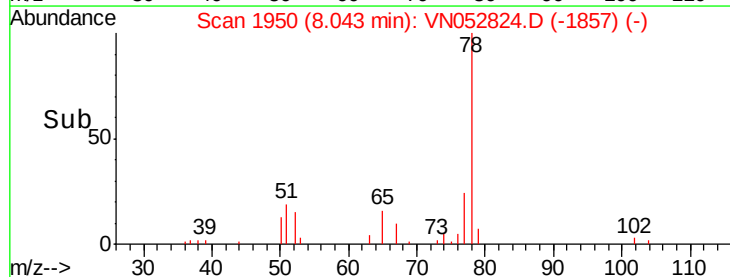
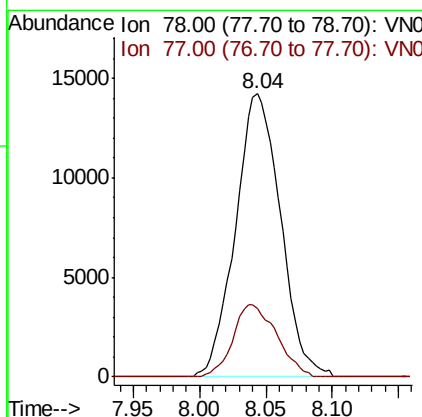
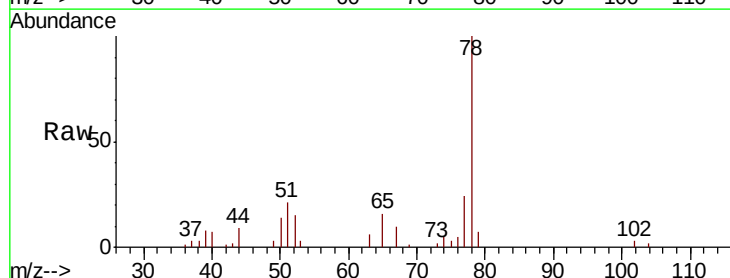
Manual Integrations
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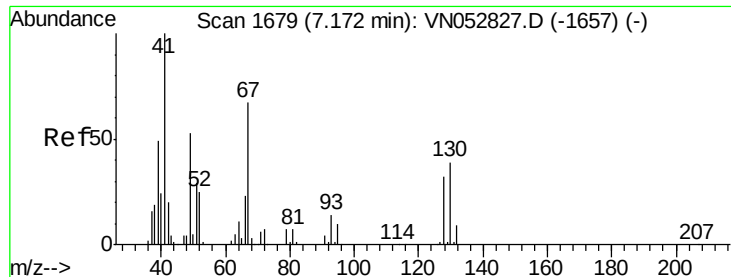
MMDadoda
12/13/2018 1:35:58 PM



#40
Benzene
Concen: 0.856 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.5	27.7





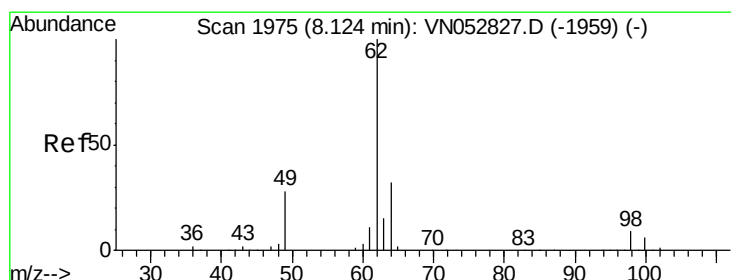
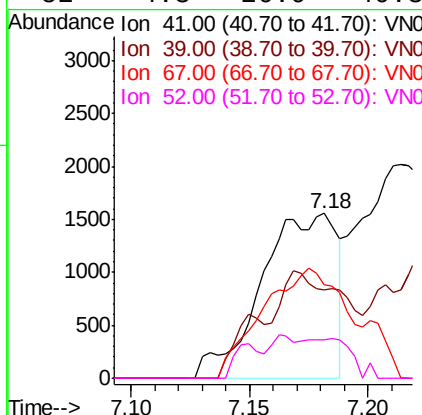
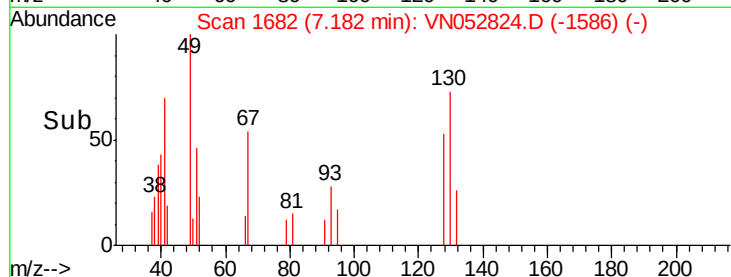
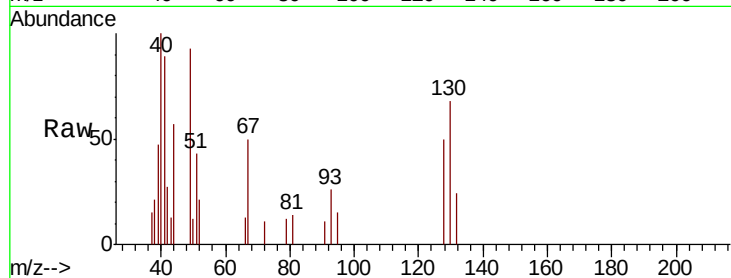
#41
Methacrylonitrile
Concen: 0.797 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 3462
Ion Ratio Lower Upper
41 100
39 57.6 48.0 72.0
67 81.5 70.3 105.5
52 4.3 26.9 40.3#

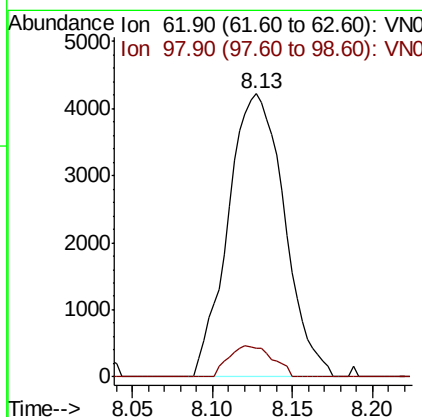
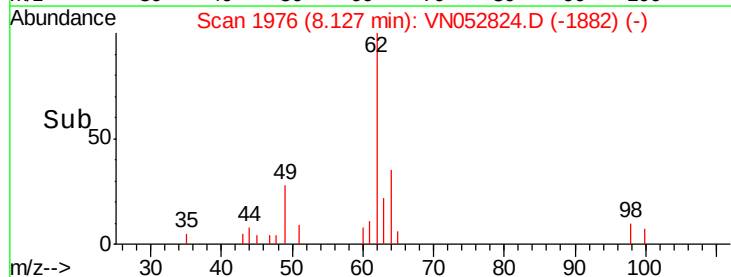
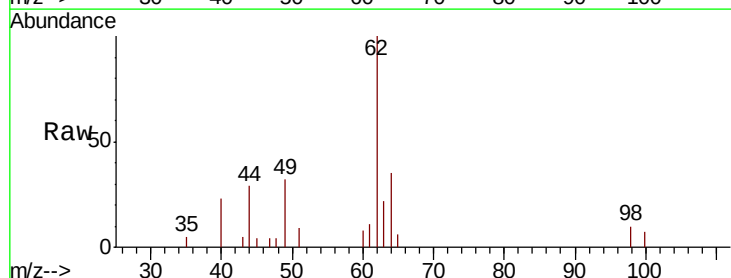
Manual Integrations
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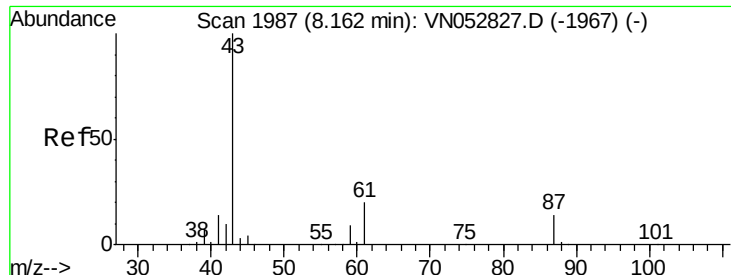
MMDadoda
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#42
1,2-Dichloroethane
Concen: 0.861 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 62 Resp: 10154
Ion Ratio Lower Upper
62 100
98 8.5 0.0 19.0





#43

Isopropyl Acetate

Concen: 1.170 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

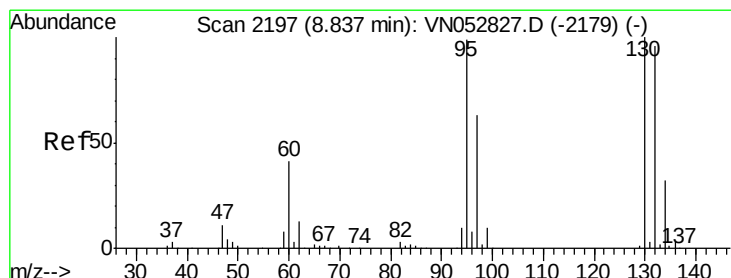
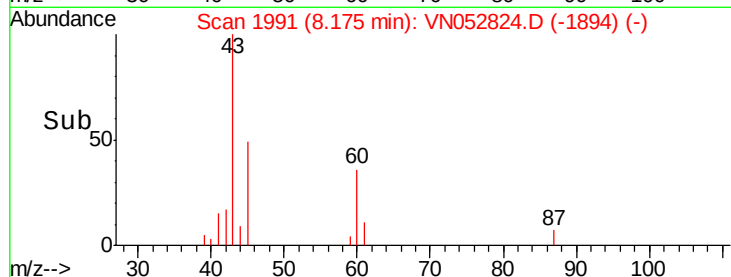
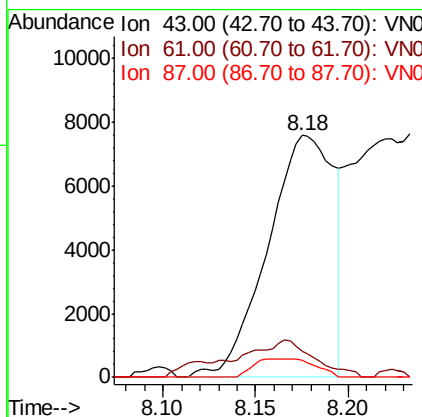
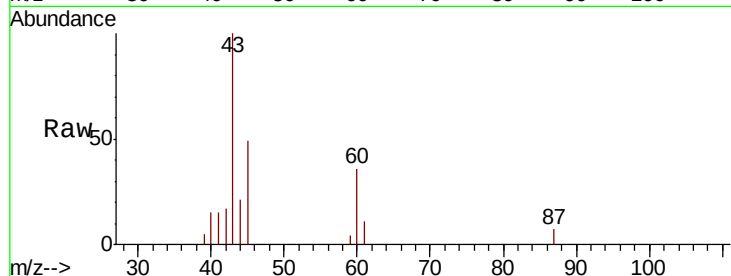
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	18818
Ion	Ratio	Lower	Upper
43	100		
61	14.4	22.9	34.3#
87	7.1	10.6	15.8#

Manual Integrations
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#44

Trichloroethene

Concen: 0.871 ug/l

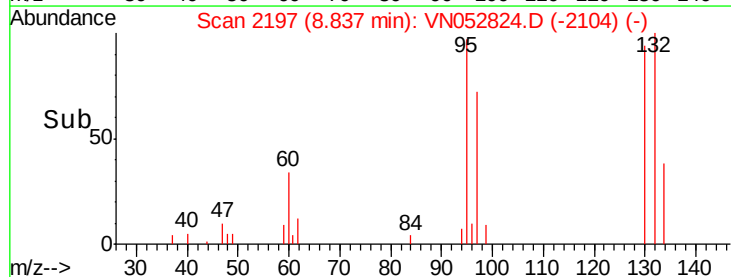
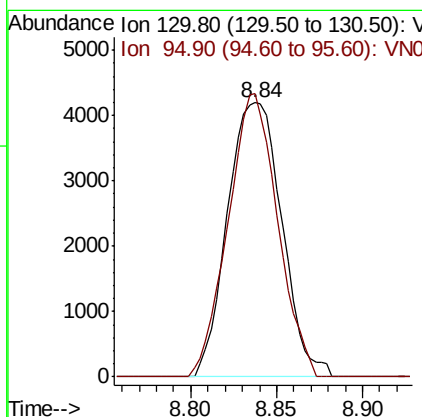
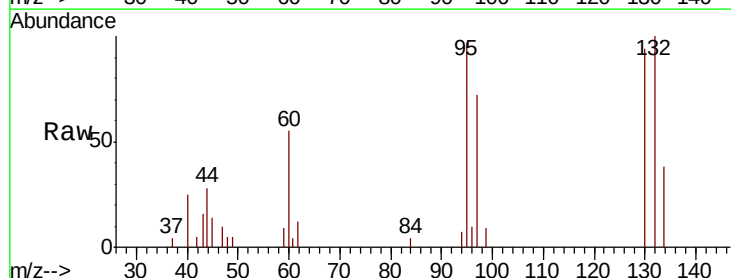
RT: 8.84 min Scan# 2197

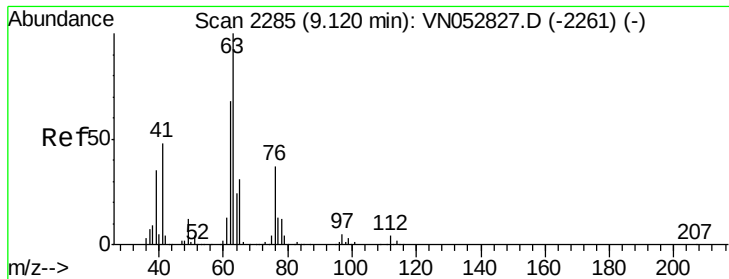
Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	130	Resp:	9223
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	197.8





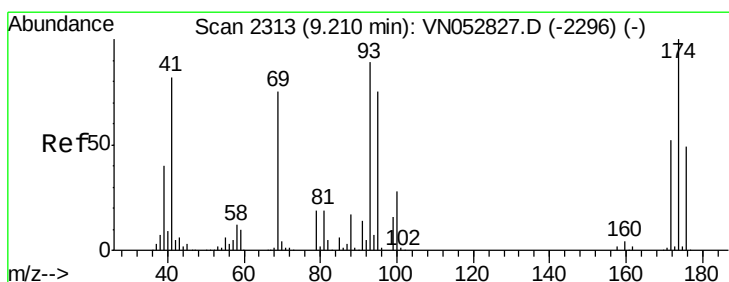
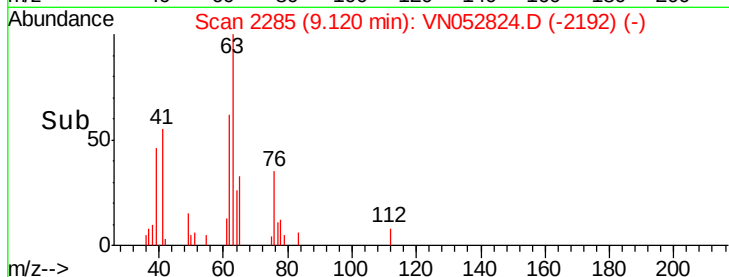
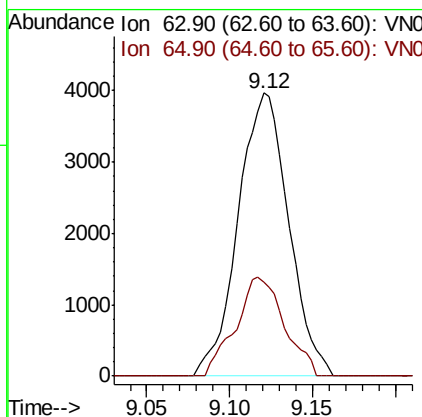
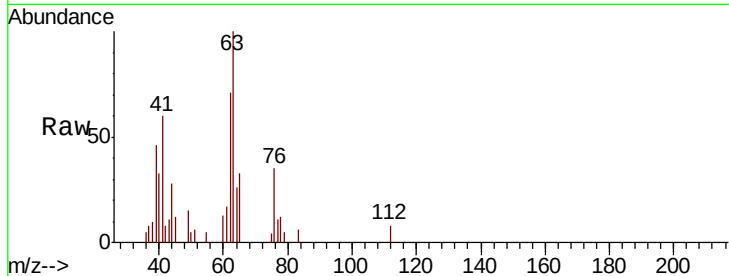
#45
 1,2-Dichloropropane
 Concen: 0.819 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 8407
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.6 37.0

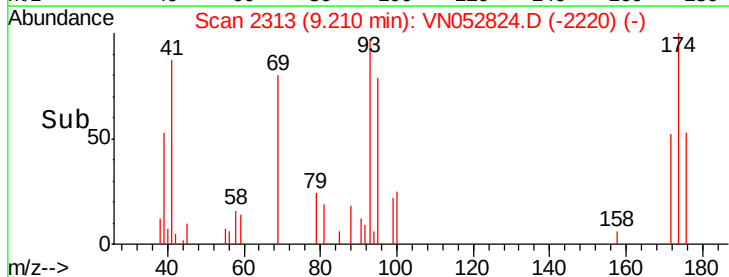
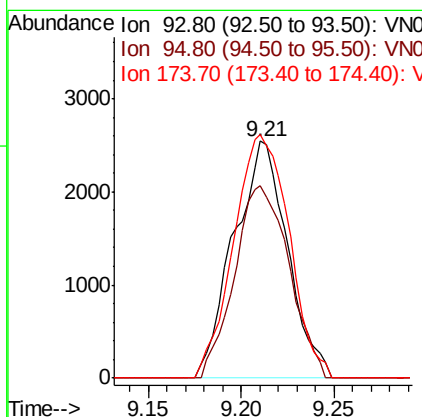
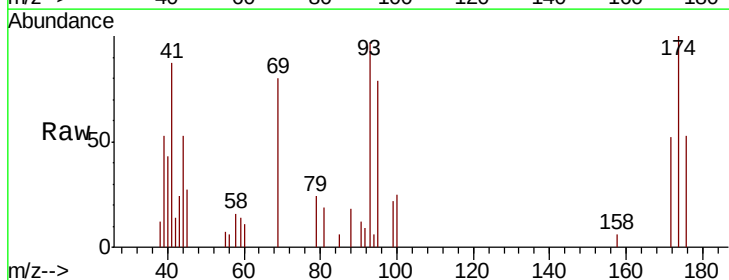
Manual Integrations
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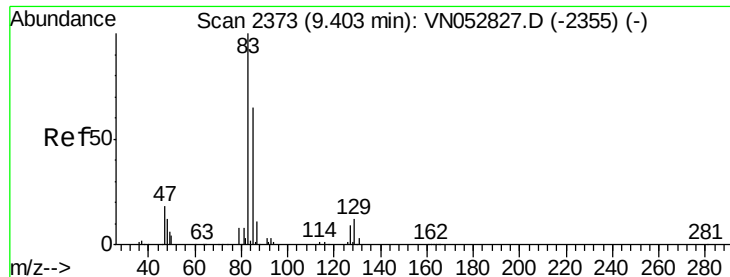
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 12/13/2018 1:35:58 PM



#46
 Dibromomethane
 Concen: 0.858 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion: 93 Resp: 5107
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.8 101.6
 174 106.4 89.0 133.4





#47

Bromodichloromethane

Concen: 0.803 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

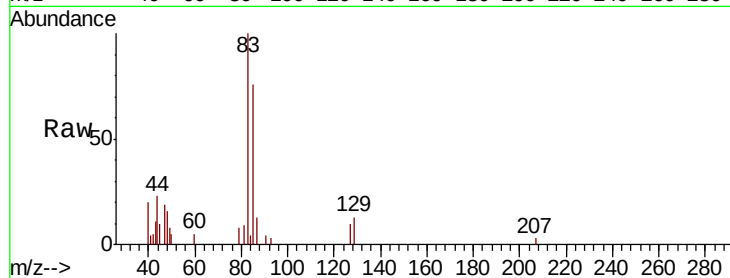
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	9911
Ion	Ratio	Lower	Upper
83	100		
85	75.9	51.6	77.4
127	10.4	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:35:58 PM

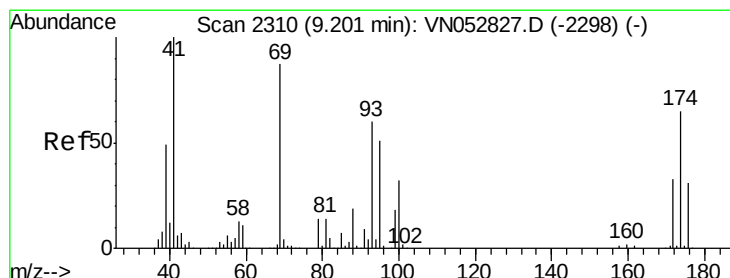
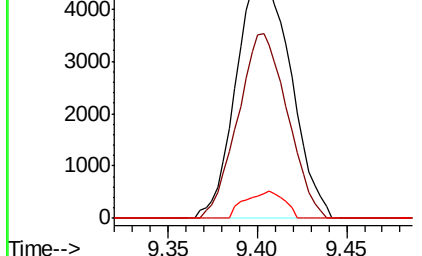
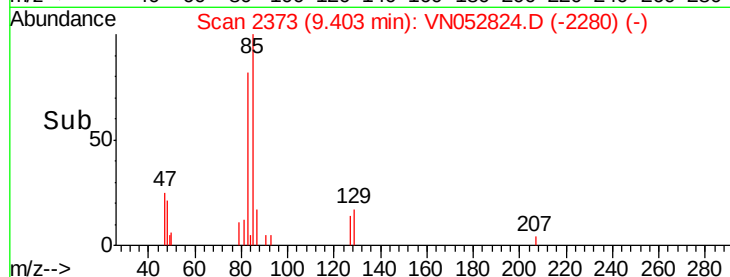


Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.718 ug/l

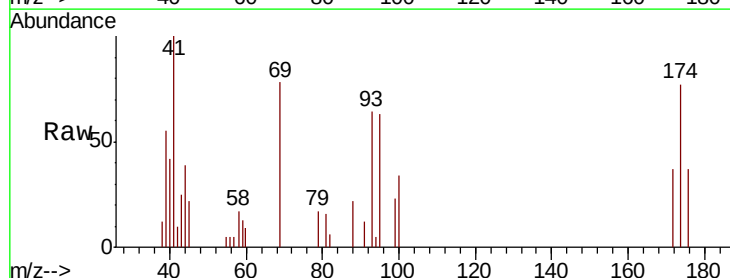
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	41	Resp:	5066
Ion	Ratio	Lower	Upper
41	100		
69	99.6	72.2	108.2
39	76.8	41.9	62.9#

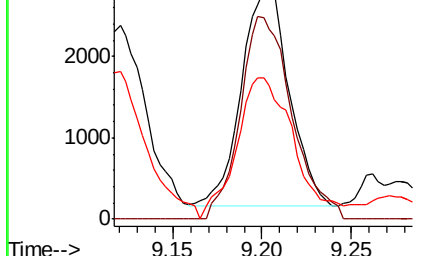
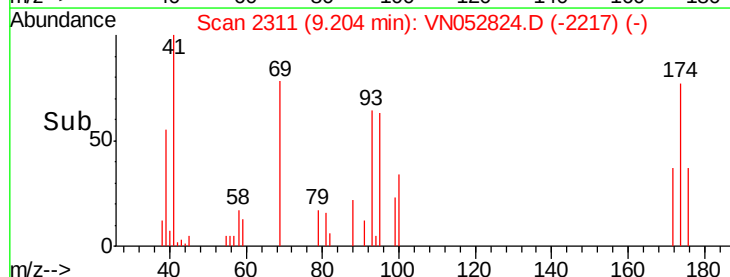


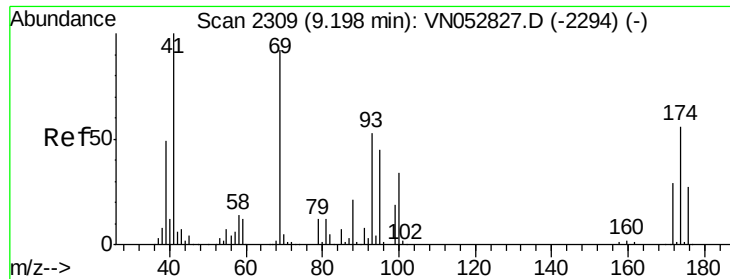
Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

Time-->





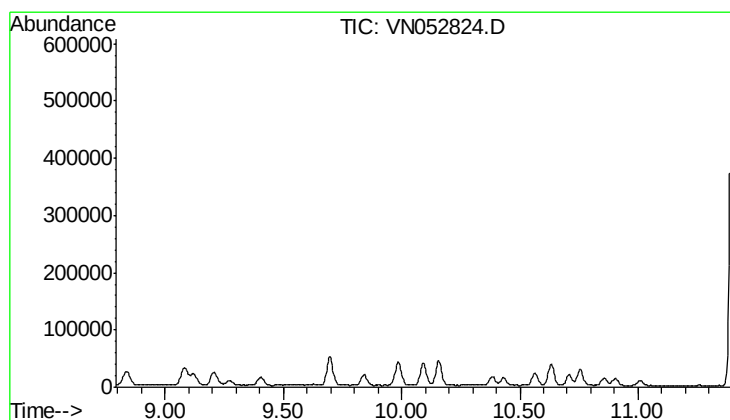
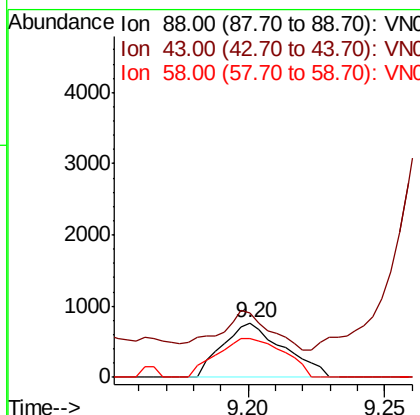
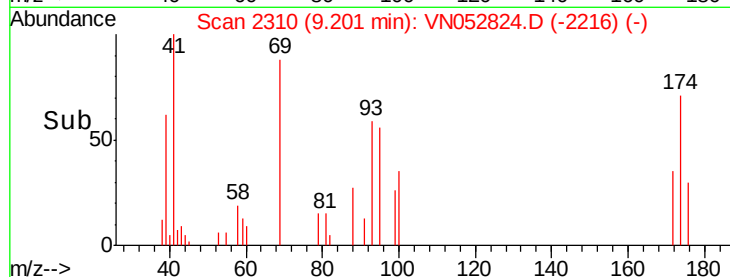
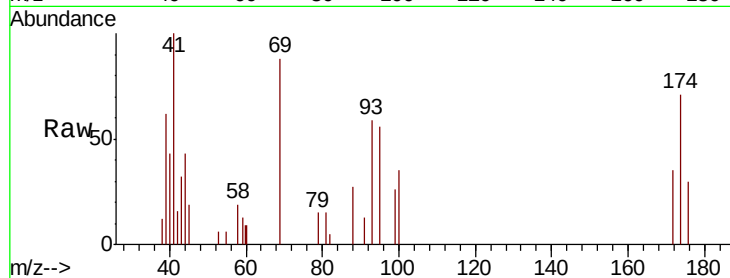
#49
1,4-Dioxane
Concen: 14.780 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 88 Resp: 1183
Ion Ratio Lower Upper
88 100
43 58.4 26.6 40.0#
58 79.3 58.4 87.6

Manual Integrations
APPROVED

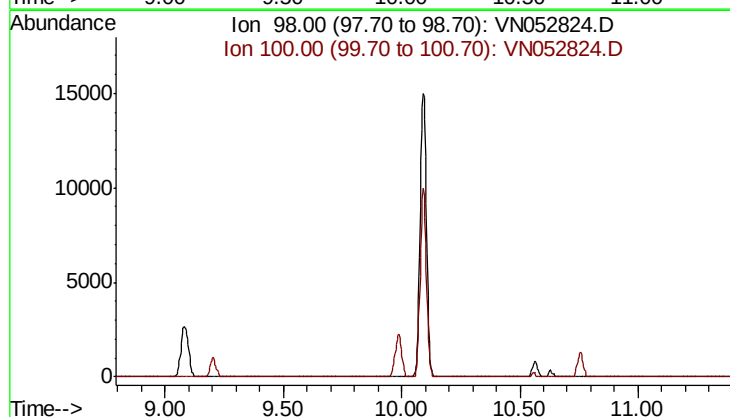
MMDadoda
12/13/2018 1:35:58 PM

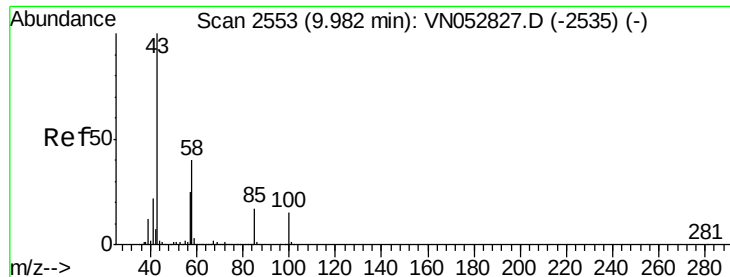


#50
Toluene-d8
Concen: 14.780 ug/l
Expected RT: 10.09 min

Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.5





#51

4-Methyl-2-Pentanone

Concen: 3.848 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 28370

Ion Ratio Lower Upper

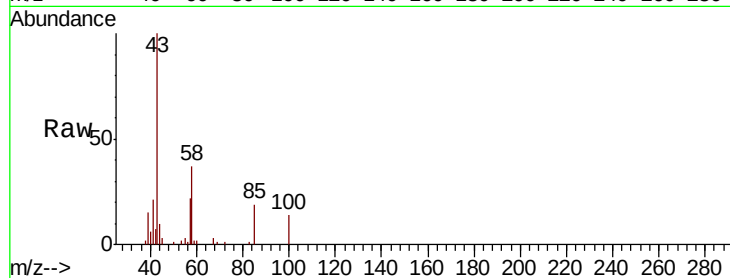
43 100

58 39.3 32.2 48.4

Manual Integrations
APPROVED

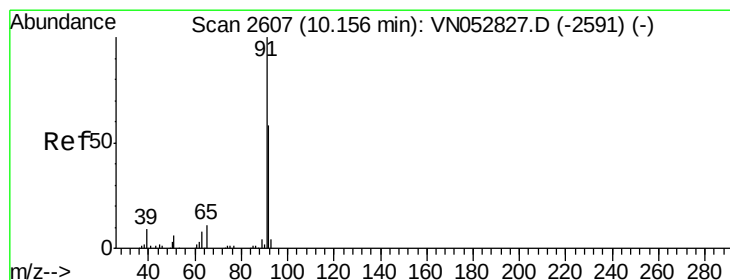
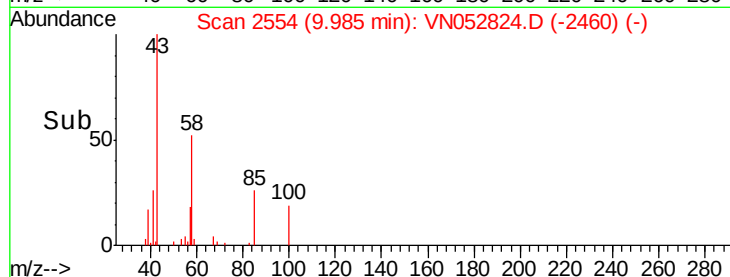
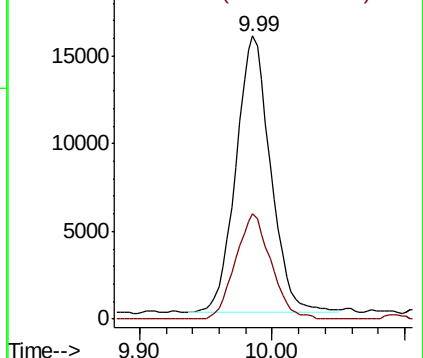
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Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-2535) (-)



#52

Toluene

Concen: 0.805 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052824.D

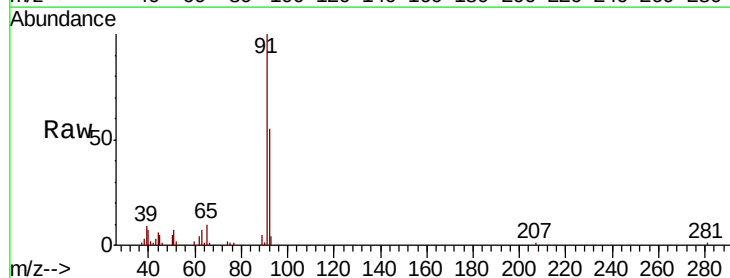
Acq: 12 Dec 2018 13:52

Tgt Ion: 92 Resp: 19101

Ion Ratio Lower Upper

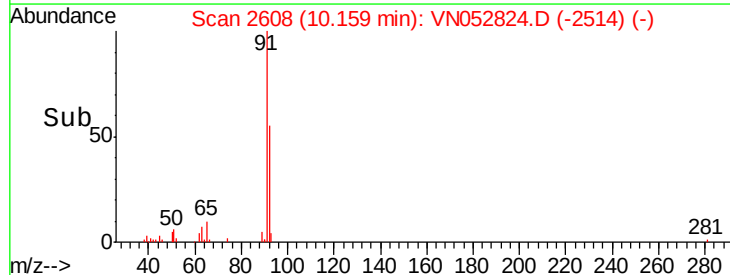
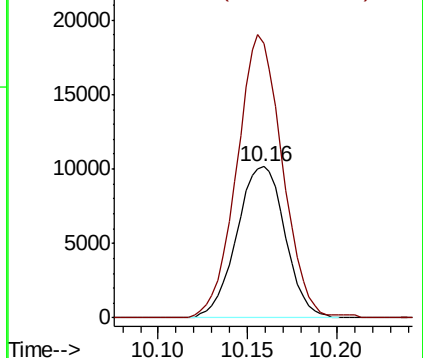
92 100

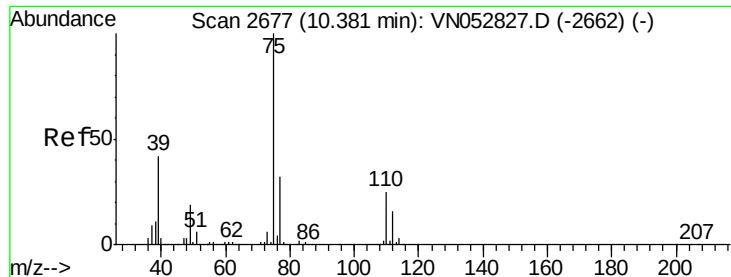
91 177.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052827.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-2591) (-)





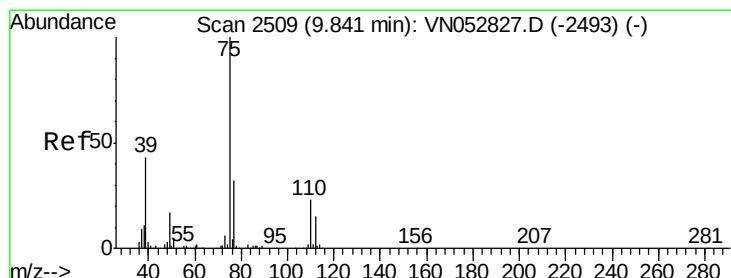
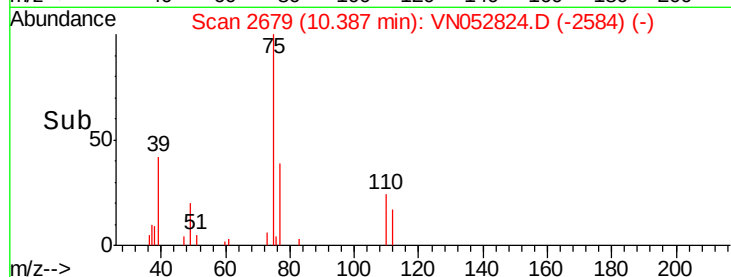
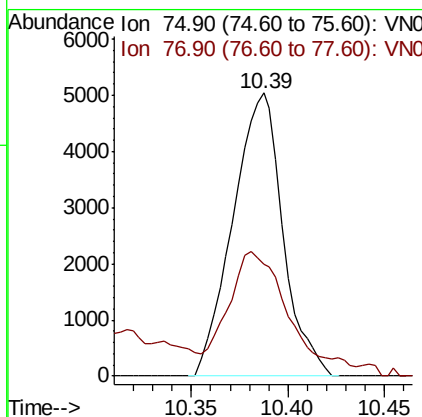
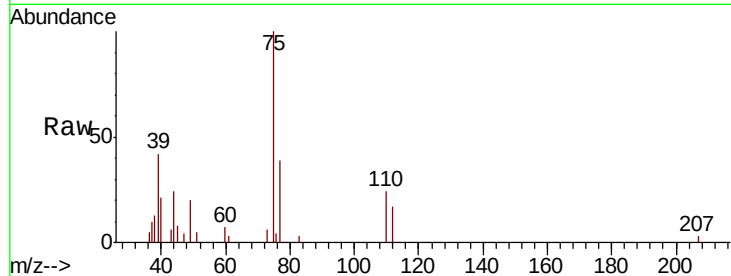
#53
t-1,3-Dichloropropene
Concen: 0.730 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.01 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 9073
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4

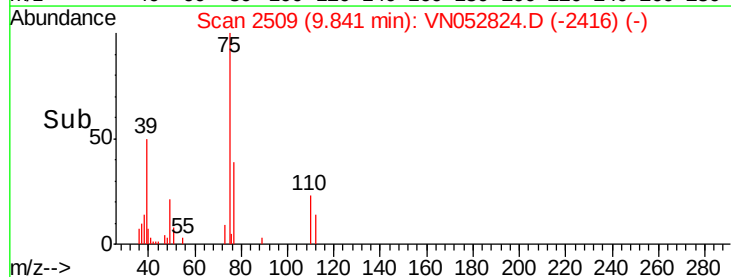
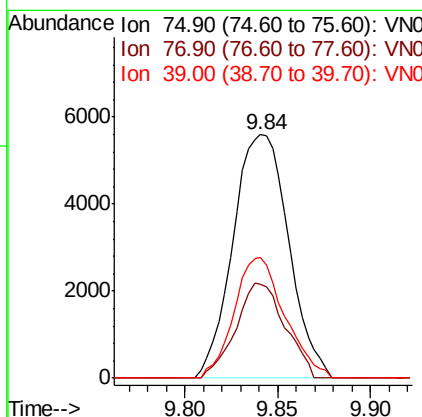
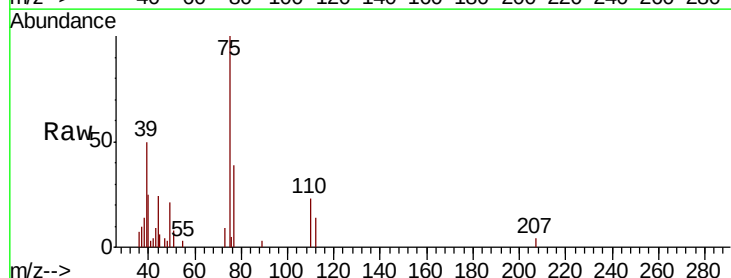
Manual Integrations
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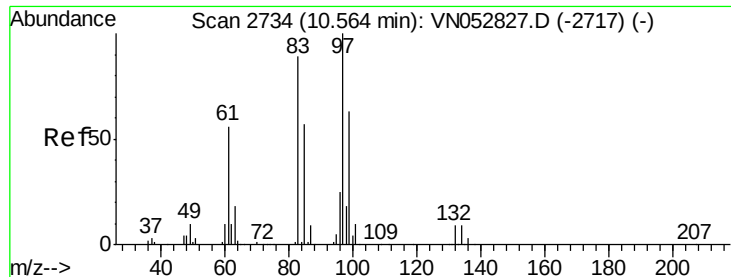
MMDadoda
12/13/2018 1:35:58 PM



#54
cis-1,3-Dichloropropene
Concen: 0.787 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 75 Resp: 11649
Ion Ratio Lower Upper
75 100
77 38.8 25.8 38.8#
39 49.7 34.8 52.2





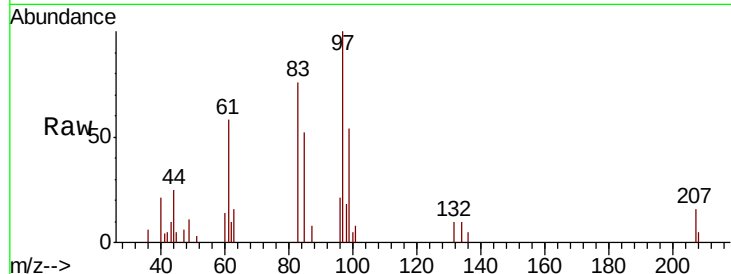
#55
 1,1,2-Trichloroethane
 Concen: 0.861 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

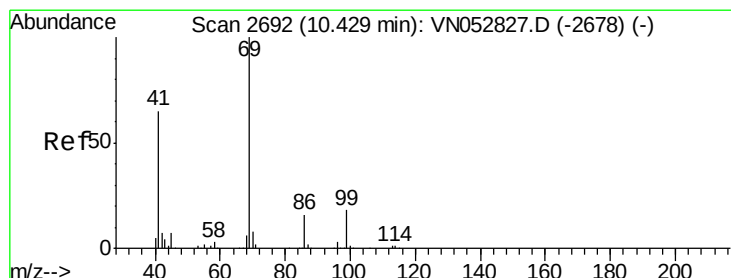
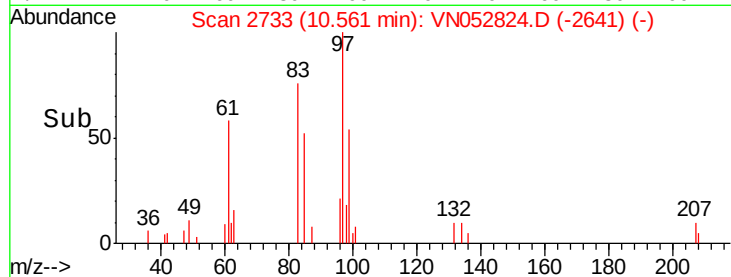
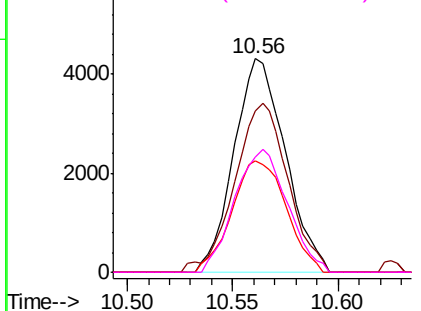
Tot Ion:	97	Resp:	7297
Ion	Ratio	Lower	Upper
97	100		
83	75.8	70.9	106.3
85	52.1	45.4	68.2
99	53.9	50.4	75.6

Manual Integrations
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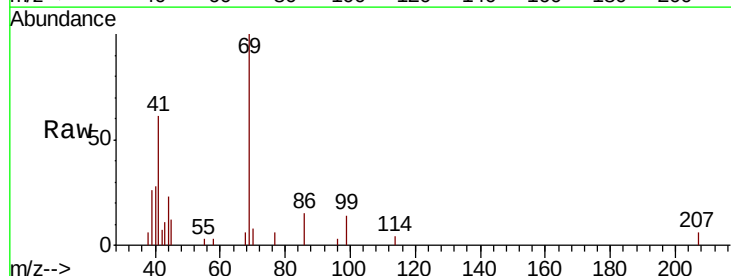


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

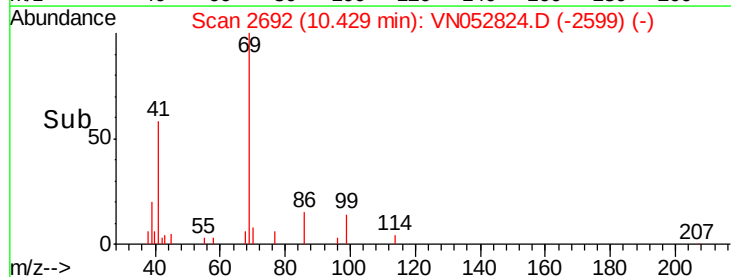
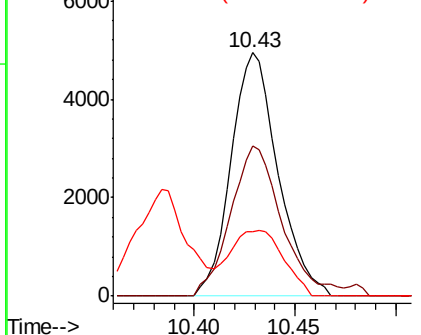


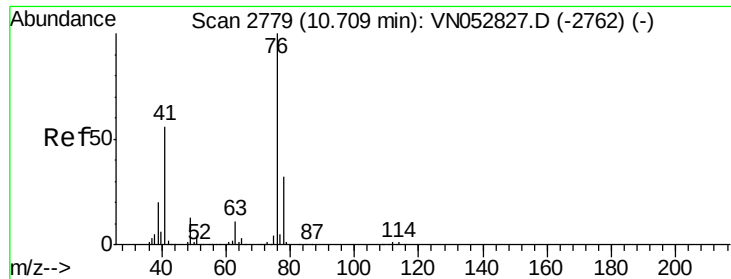
#56
 Ethyl methacrylate
 Concen: 0.741 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion:	69	Resp:	8052
Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.7	77.5
39	31.0	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





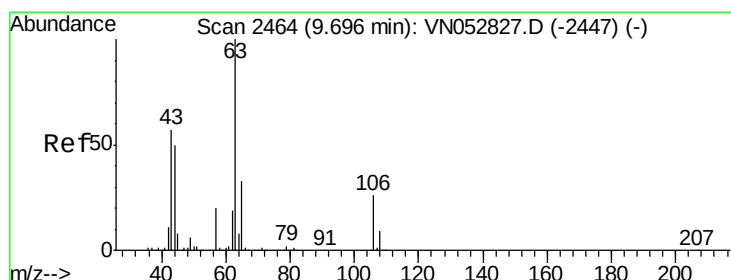
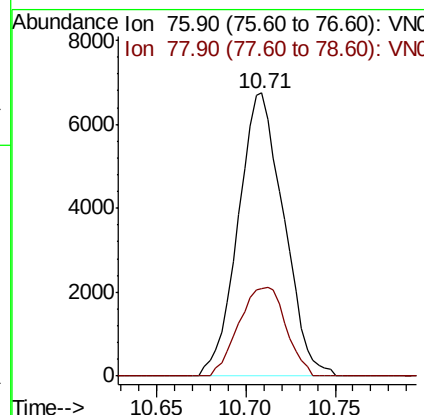
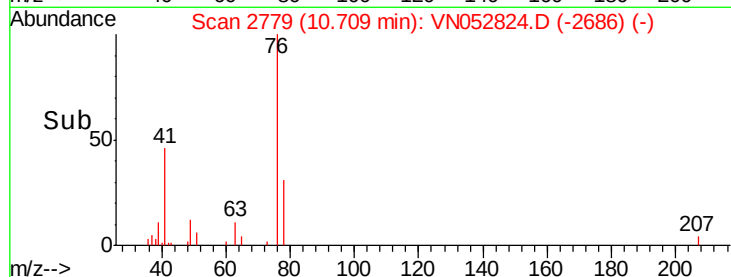
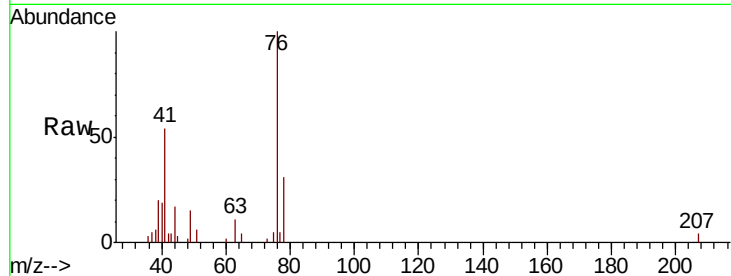
#57
 1,3-Dichloropropane
 Concen: 0.825 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	76	Resp	11987
Ion Ratio	Lower	Upper	
76	100		
78	32.4	25.8	38.8

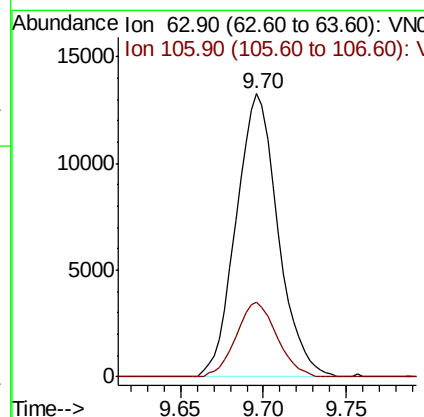
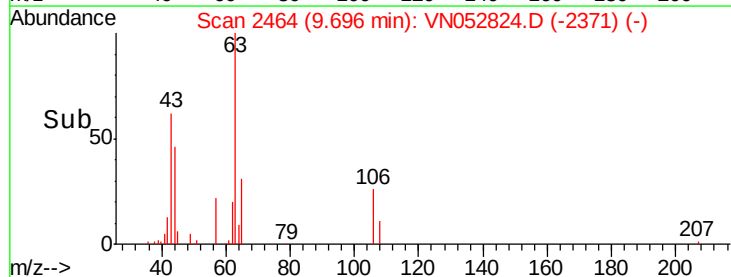
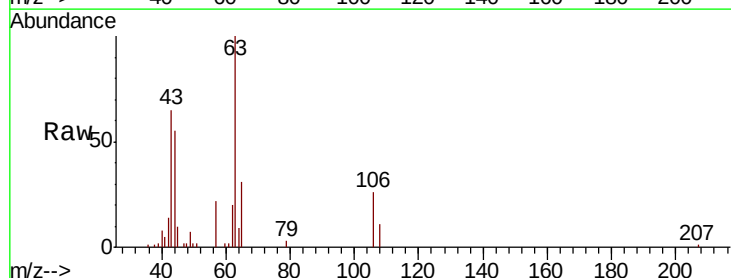
Manual Integrations
 APPROVED

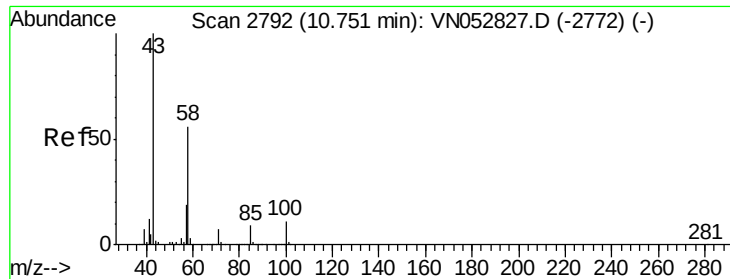
MMDadoda
 12/13/2018 1:35:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 3.844 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	63	Resp	23322
Ion Ratio	Lower	Upper	
63	100		
106	25.6	21.0	31.6





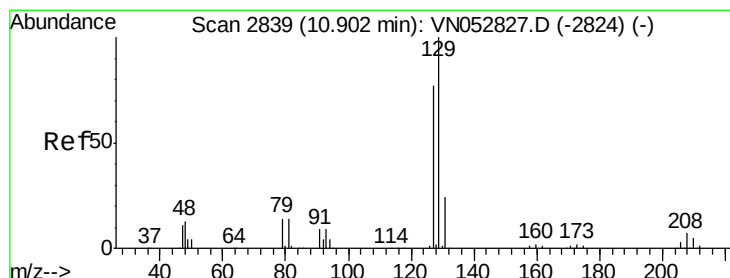
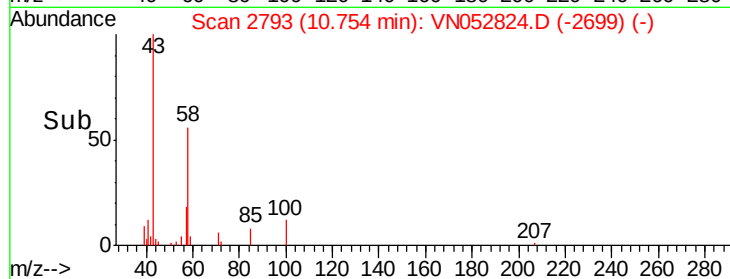
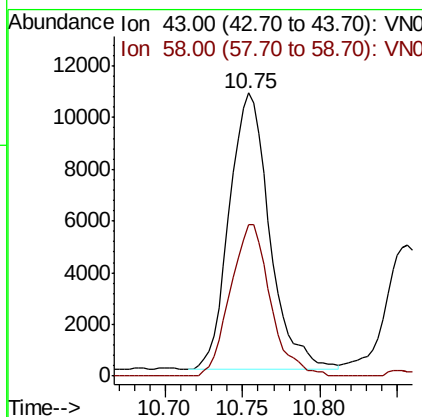
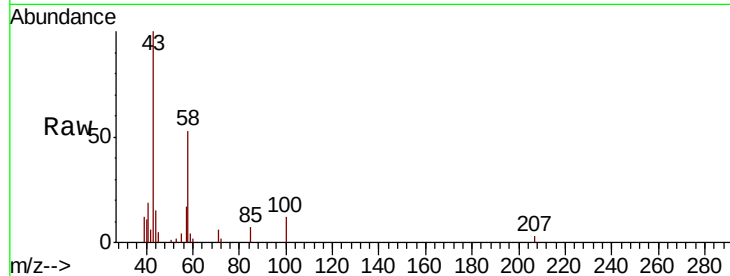
#59
2-Hexanone
Concen: 3.832 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	19365
Ion Ratio	43	100	
Lower	58	54.4	28.1
Upper			84.3

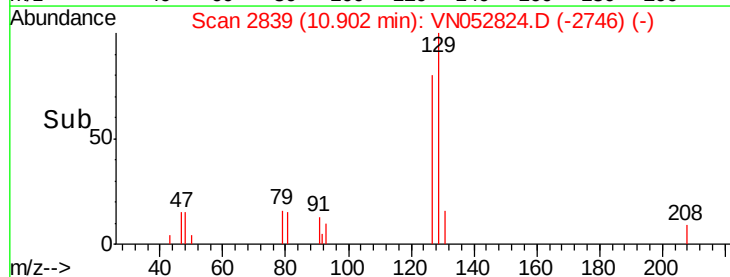
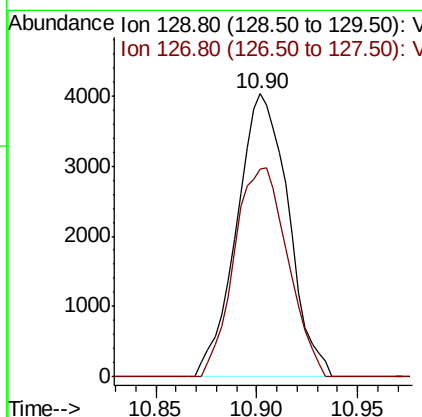
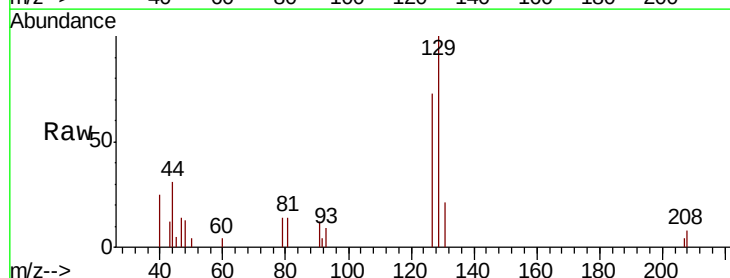
Manual Integrations
APPROVED

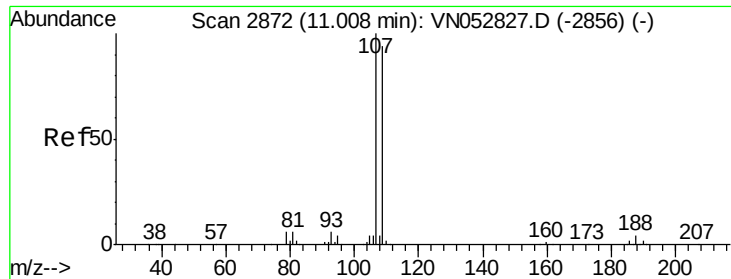
MMDadoda
12/13/2018 1:35:58 PM



#60
Dibromochloromethane
Concen: 0.788 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	129	Resp	7219
Ion Ratio	129	100	
Lower	127	76.4	38.6
Upper			116.0





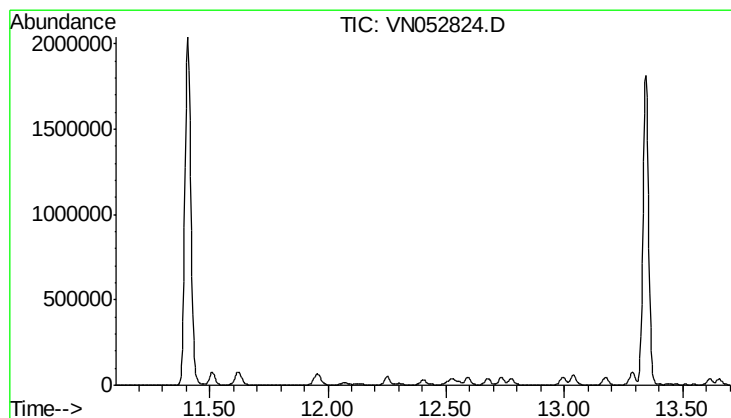
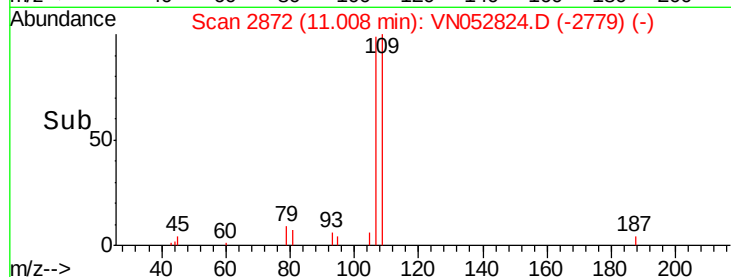
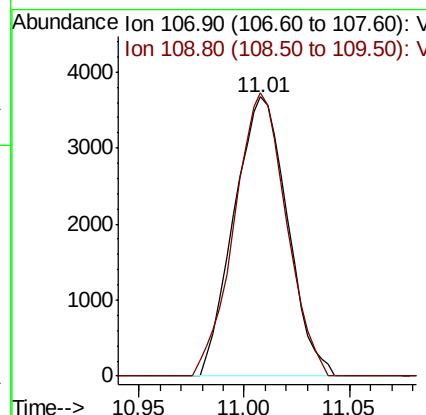
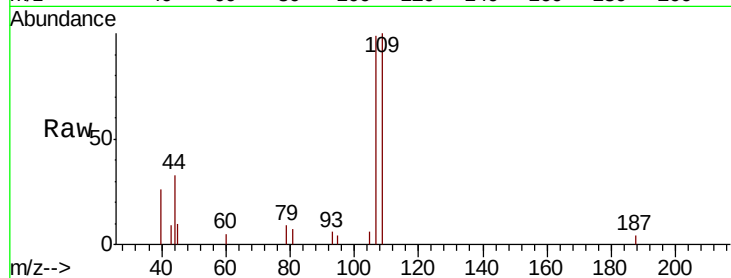
#61
 1,2-Dibromoethane
 Concen: 0.770 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.8	75.4	113.0

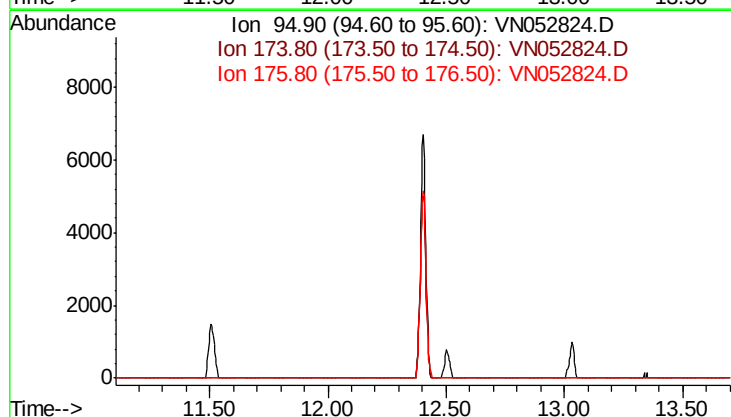
Manual Integrations
 APPROVED

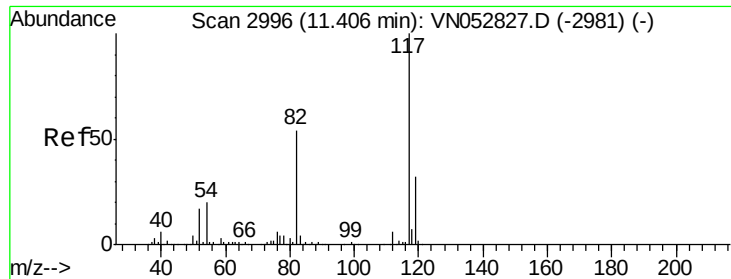
MMDadoda
 12/13/2018 1:35:58 PM



#62
 4-Bromofluorobenzene
 Concen: 0.770 ug/l
 Expected RT: 12.40 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Exp Ratio
95	100
174	89.4
176	86.9





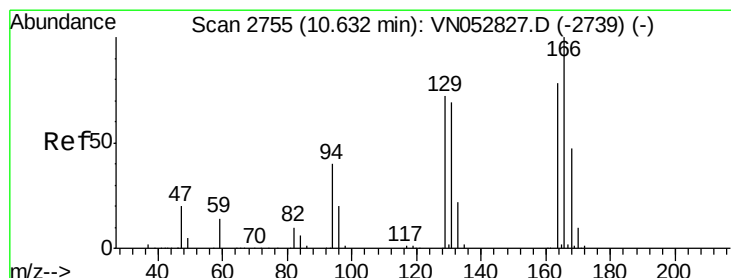
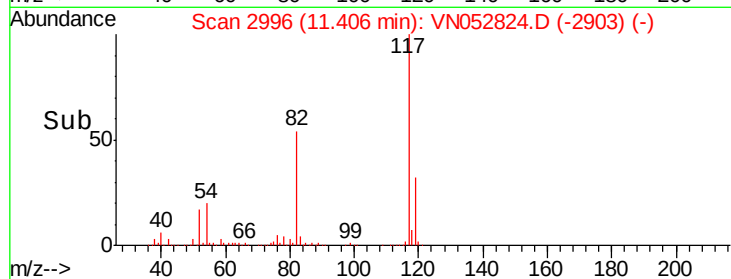
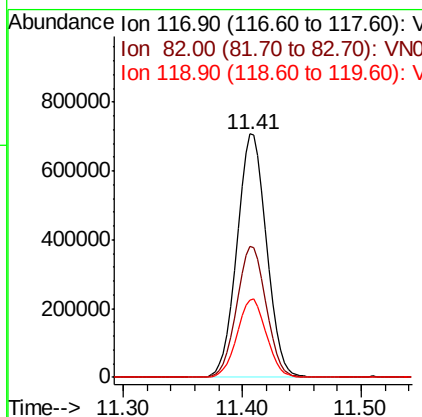
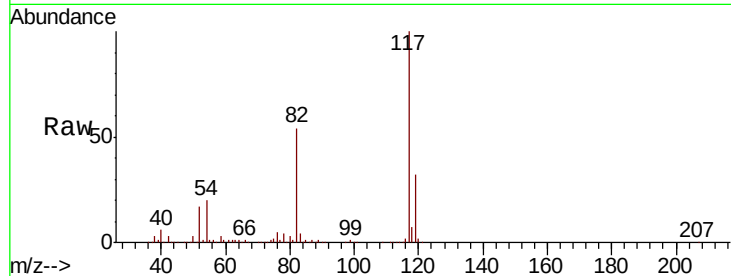
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1214699
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.0 25.5 38.3

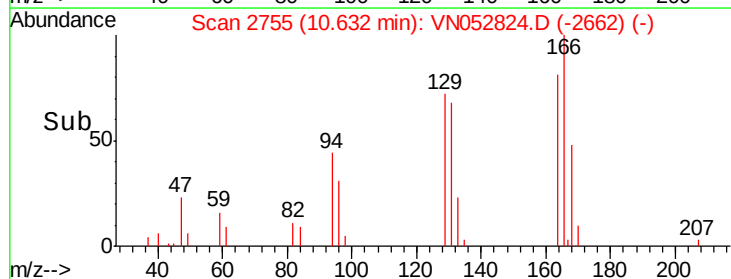
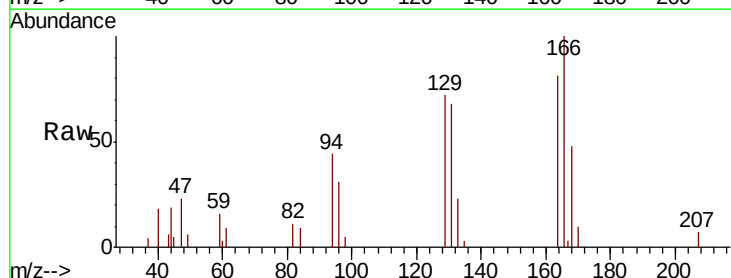
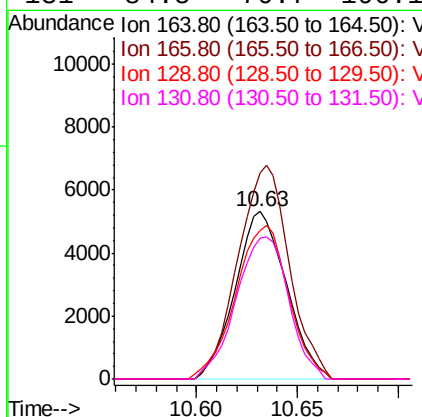
Manual Integrations
APPROVED

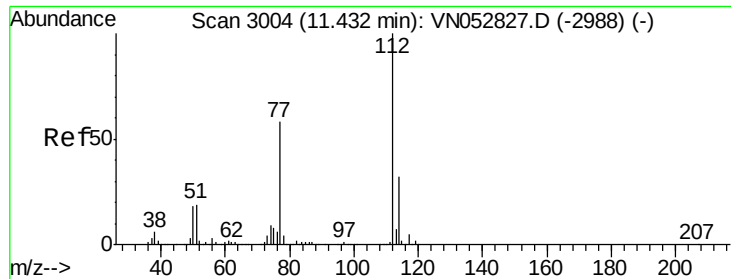
MMDadoda
12/13/2018 1:35:58 PM



#64
Tetrachloroethene
Concen: 0.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion:164 Resp: 9417
Ion Ratio Lower Upper
164 100
166 123.5 102.9 154.3
129 89.2 73.7 110.5
131 84.5 70.7 106.1





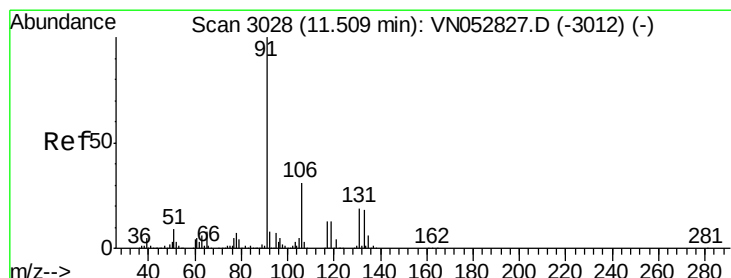
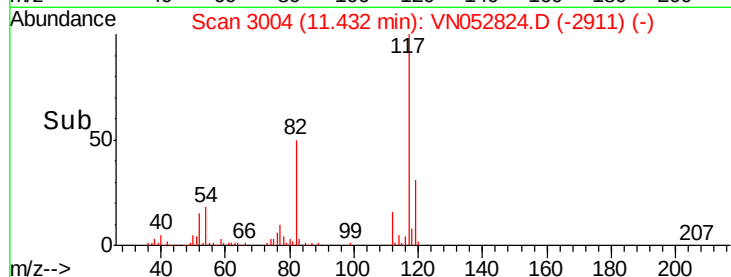
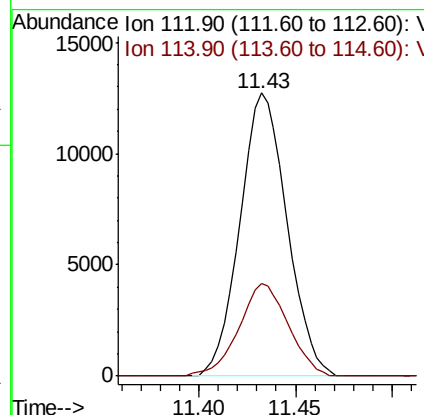
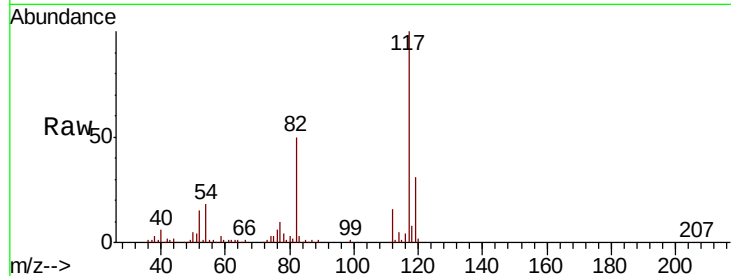
#65
Chlorobenzene
Concen: 0.853 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.5	38.3

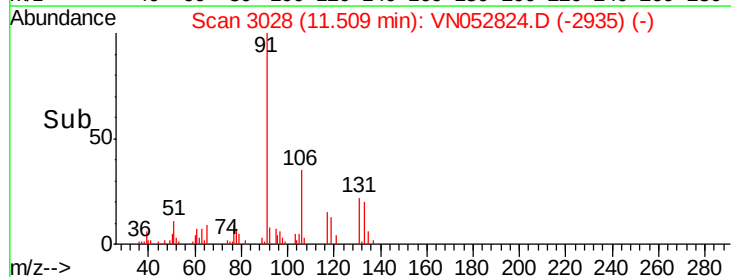
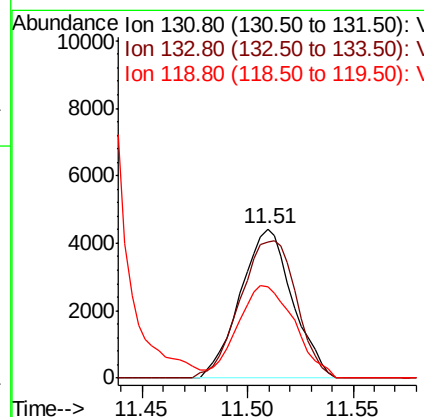
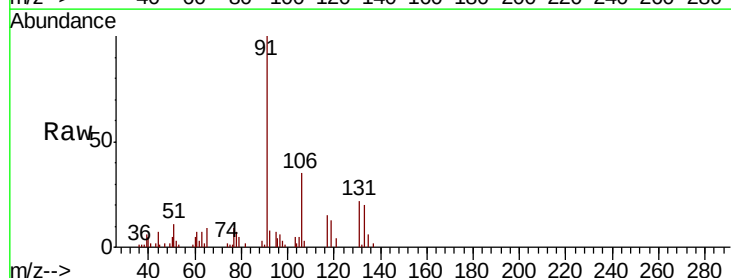
Manual Integrations
APPROVED

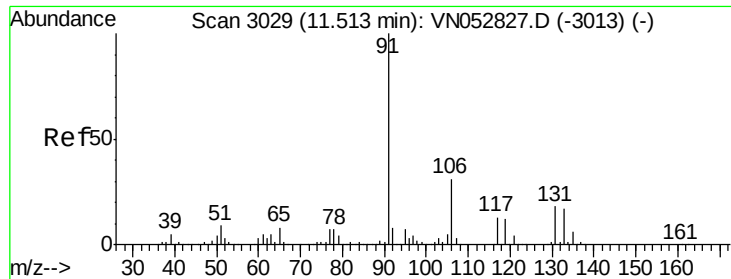
MMDadoda
12/13/2018 1:35:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.865 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.6	47.6	142.9
119	0.0	33.3	99.8#





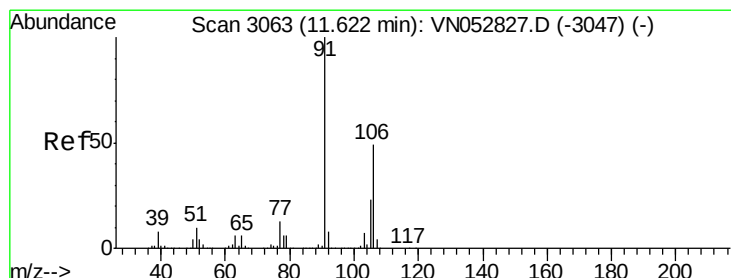
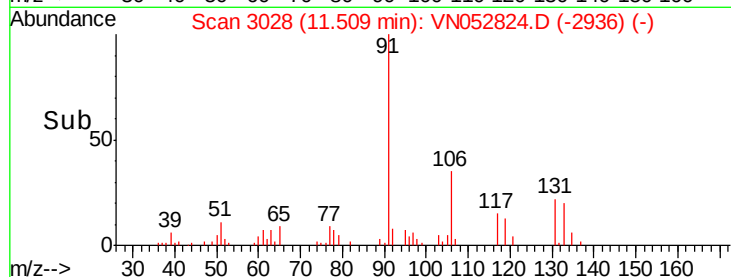
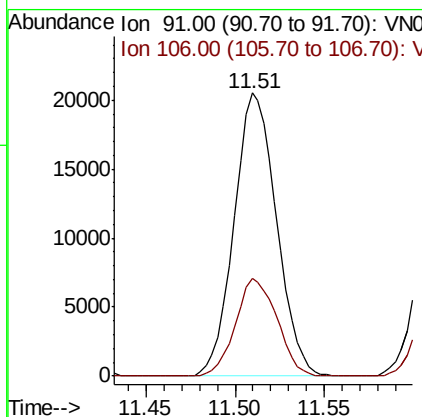
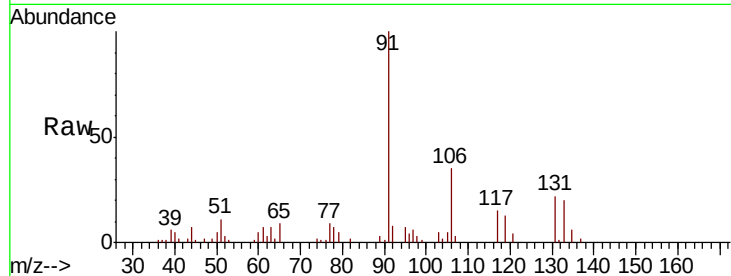
#67
Ethyl Benzene
Concen: 0.788 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 34097
Ion Ratio Lower Upper
91 100
106 34.8 24.9 37.3

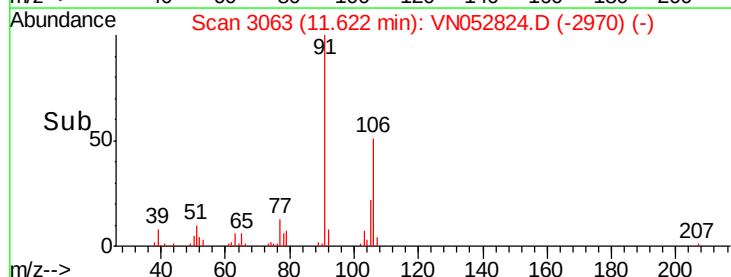
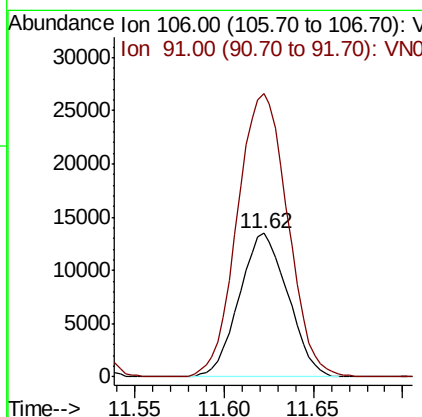
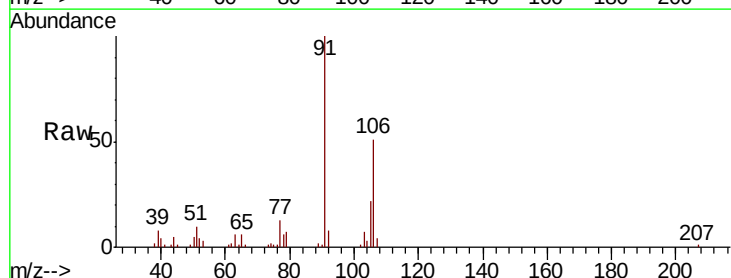
Manual Integrations
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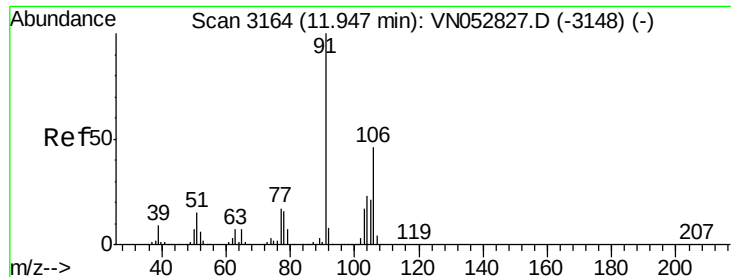
MMDadoda
12/13/2018 1:35:58 PM



#68
m/p-Xylenes
Concen: 1.577 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion: 106 Resp: 25619
Ion Ratio Lower Upper
106 100
91 204.5 162.2 243.4





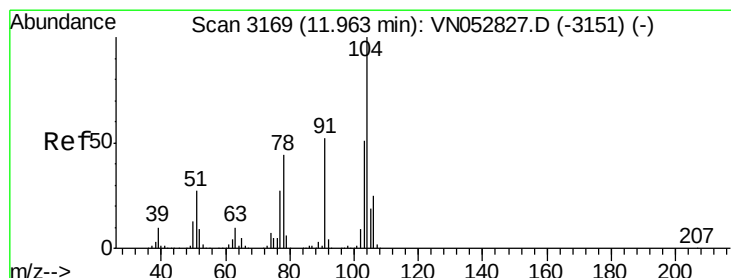
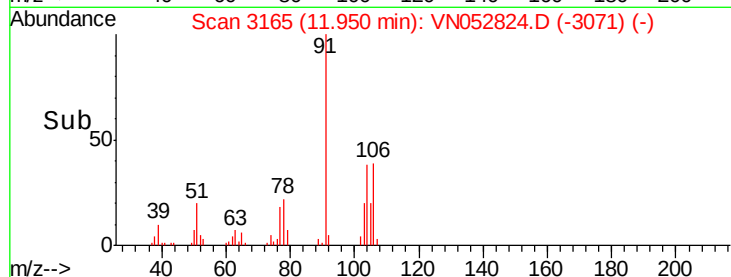
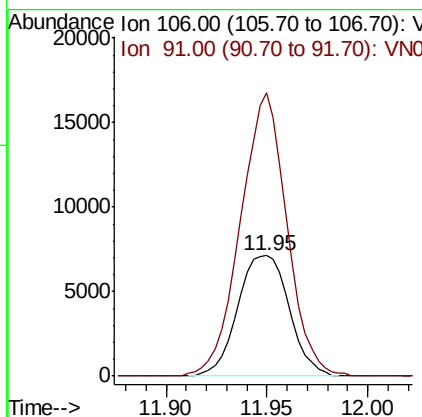
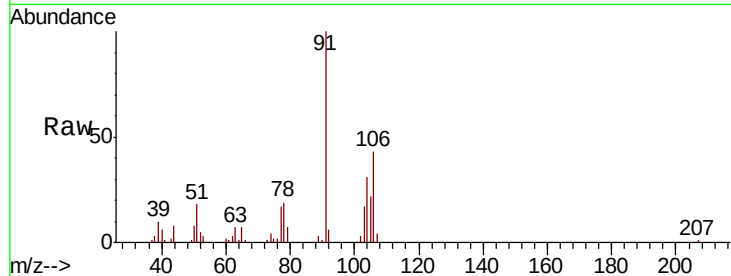
#69
o-Xylene
Concen: 0.802 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.2	106.6	319.8	

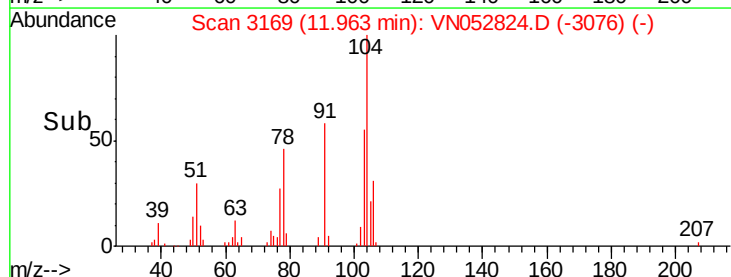
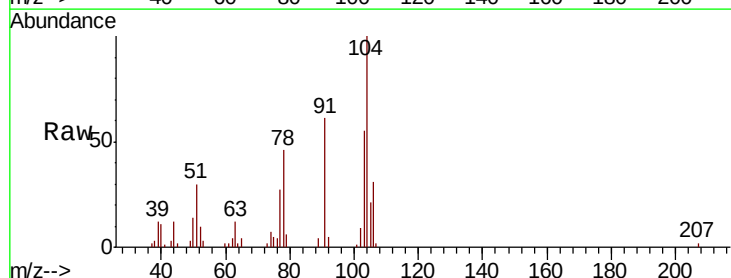
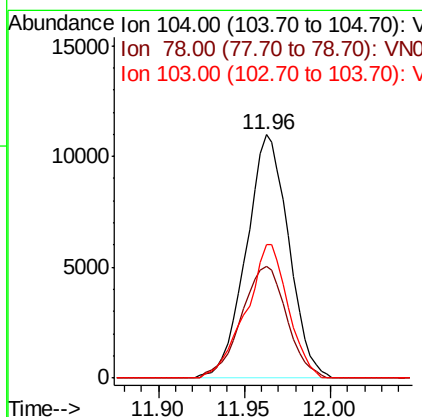
Manual Integrations
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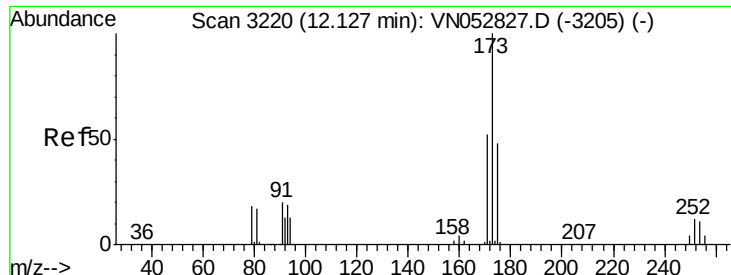
MMDadoda
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#70
Styrene
Concen: 0.737 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.3	38.9	58.3	
103	54.6	44.3	66.5	





#71

Bromoform

Concen: 0.753 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 4483

Ion Ratio Lower Upper

173 100

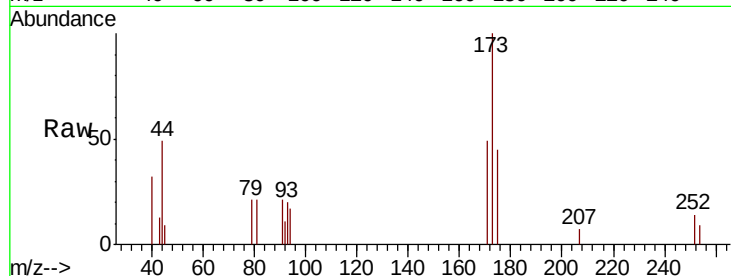
175 46.5 24.3 72.9

254 0.0 0.1 0.1#

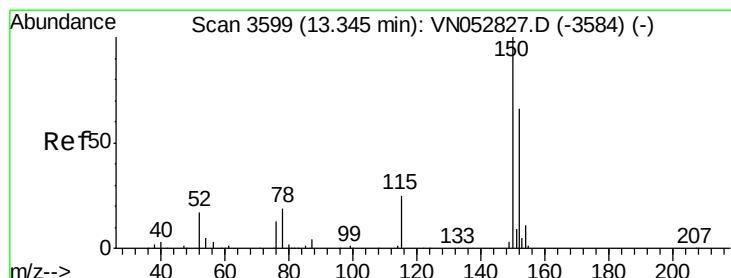
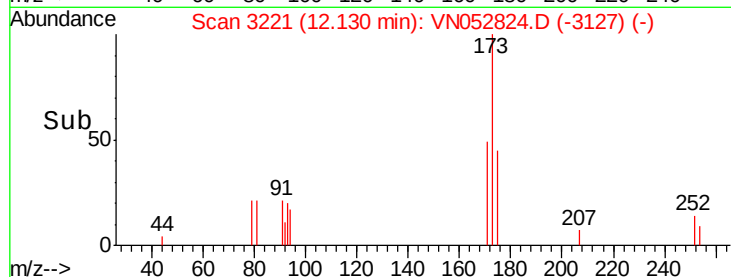
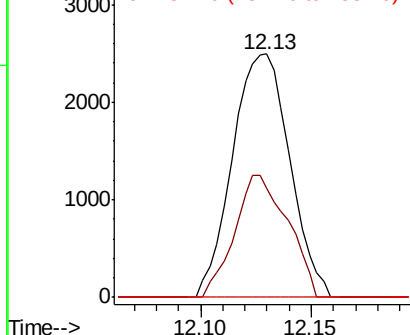
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

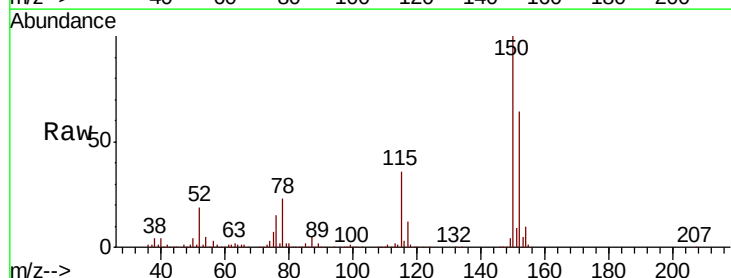
Tgt Ion:152 Resp: 507754

Ion Ratio Lower Upper

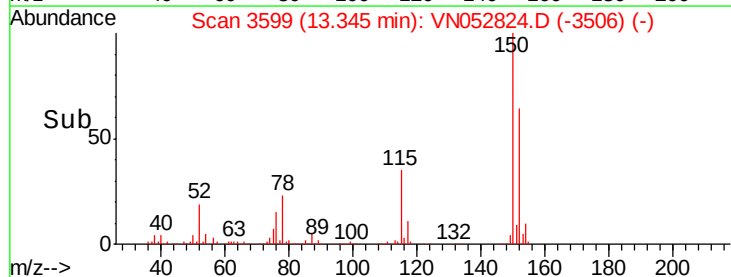
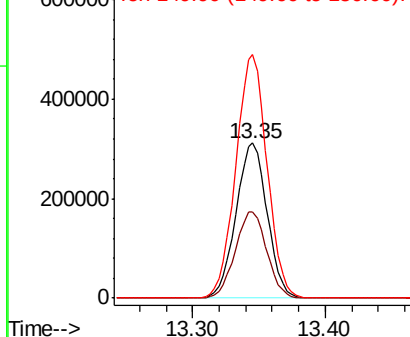
152 100

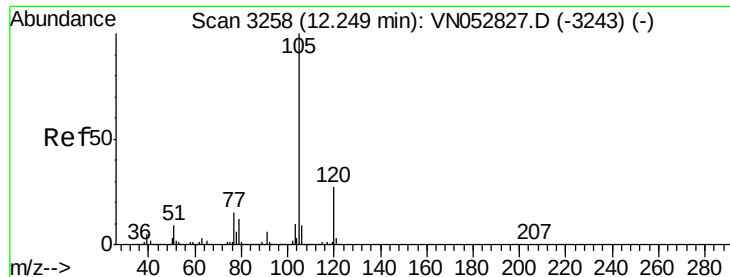
115 56.4 28.3 85.0

150 157.0 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.854 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 32368

Ion Ratio Lower Upper

105 100

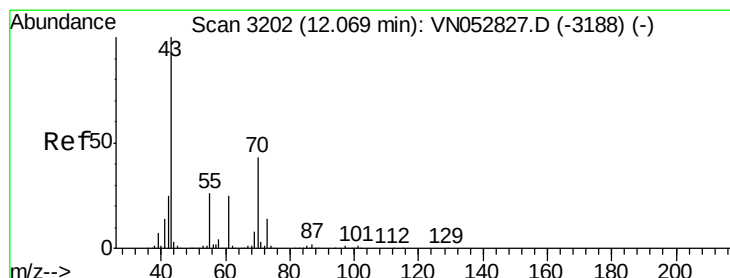
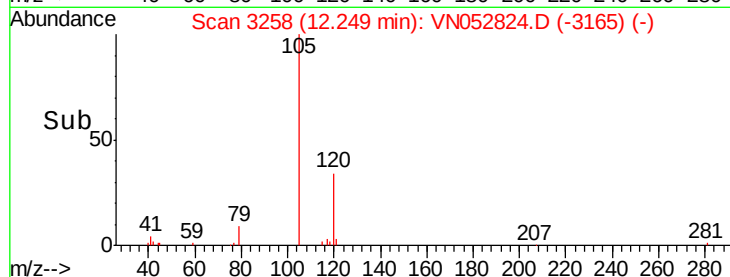
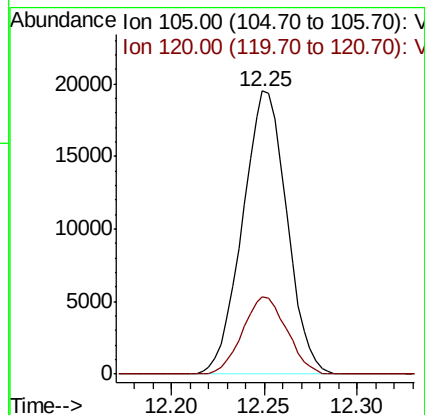
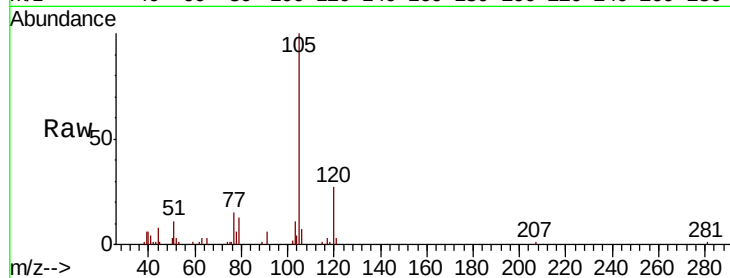
120 27.2 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 0.795 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion: 43 Resp: 8277

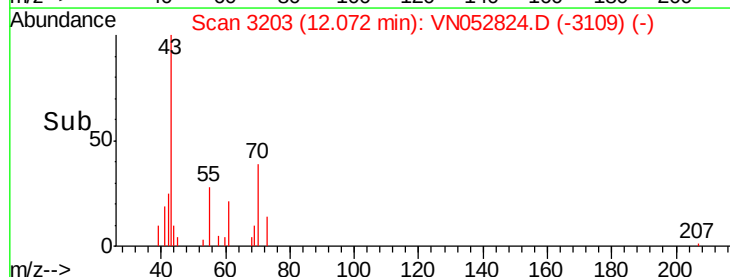
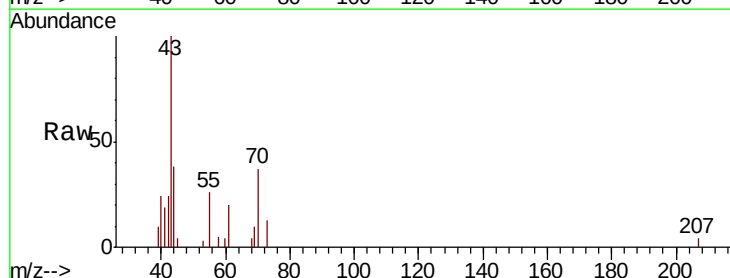
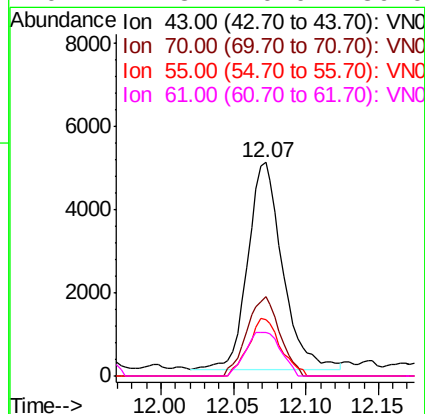
Ion Ratio Lower Upper

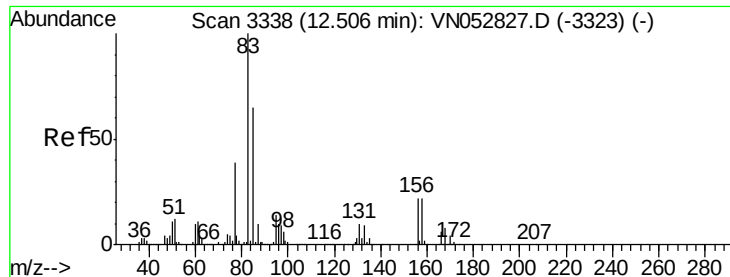
43 100

70 36.3 34.2 51.4

55 25.6 20.3 30.5

61 21.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.927 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

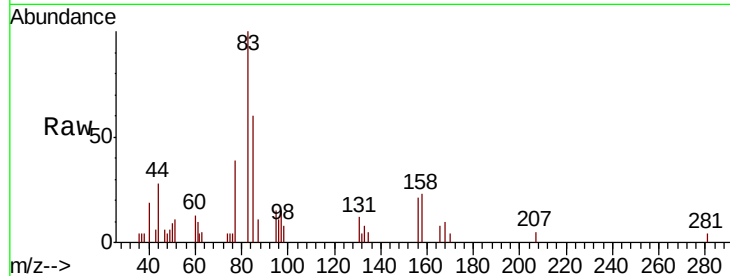
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	7878
Ion Ratio	Lower	Upper	
83	100		
131	7.5	5.2	15.6
85	63.6	32.4	97.0

Manual Integrations
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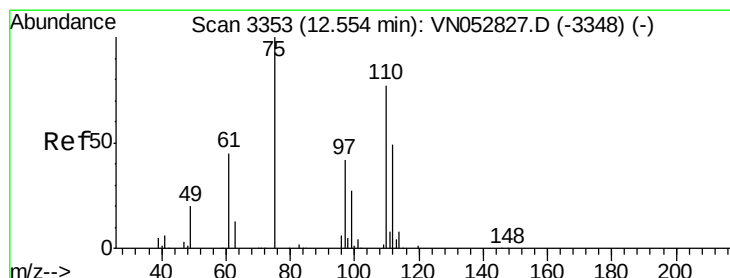
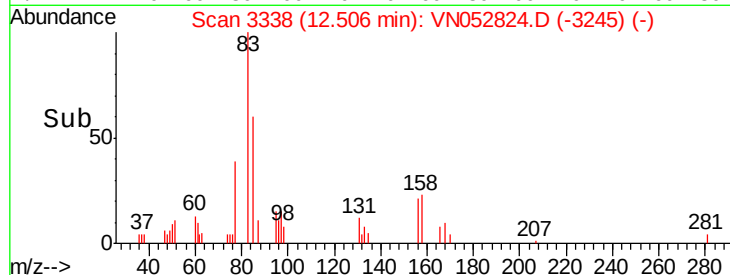
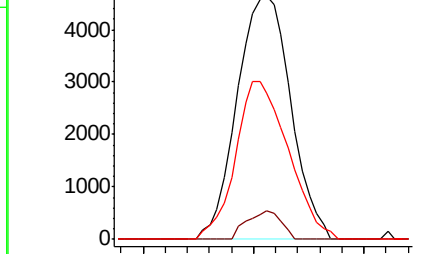
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 0.809 ug/l m

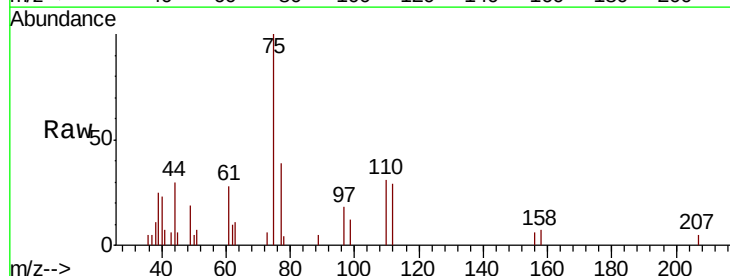
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN052824.D

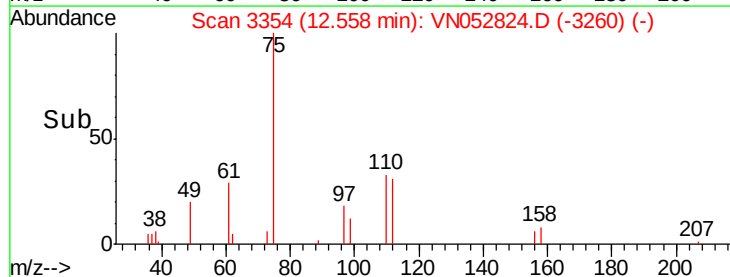
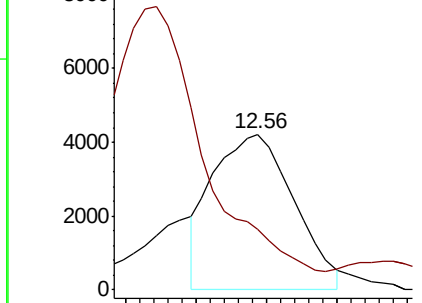
Acq: 12 Dec 2018 13:52

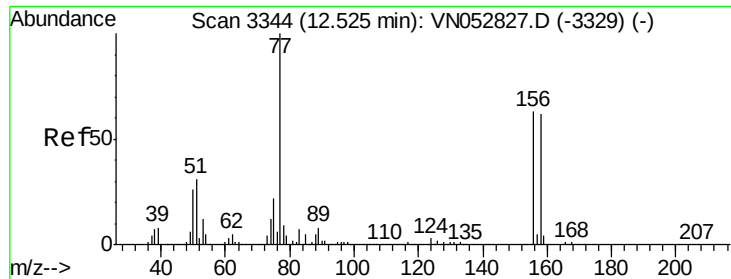
Tgt Ion:	75	Resp:	6847
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 0.876 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

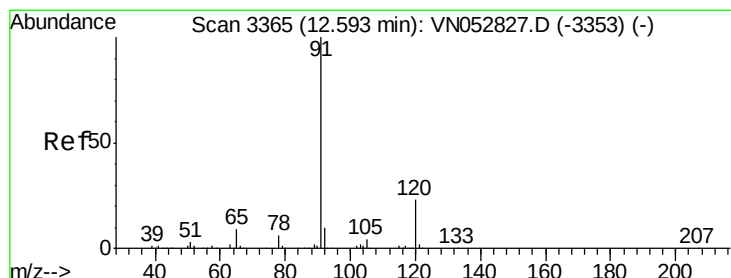
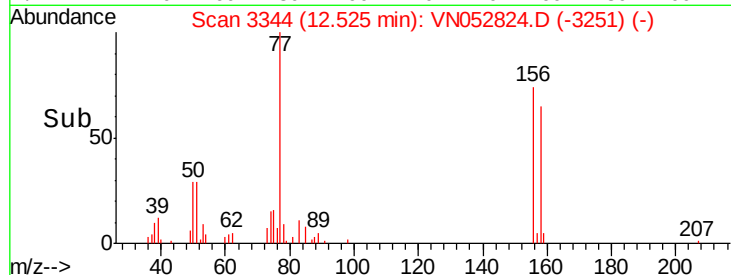
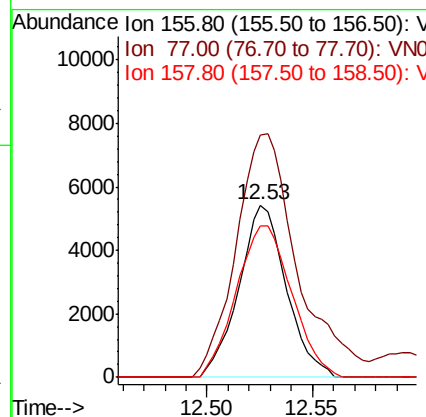
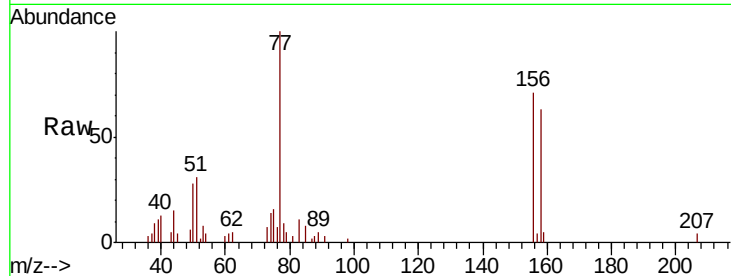
ClientSampleId :

VSTDIC001

Tot Ion:	156	Resp:	8450
Ion	Ratio	Lower	Upper
156	100		
77	184.7	91.3	273.8
158	103.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 0.825 ug/l

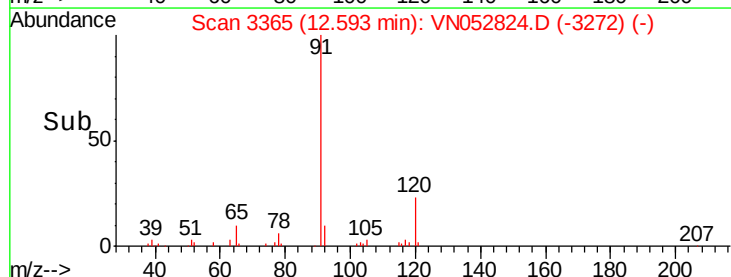
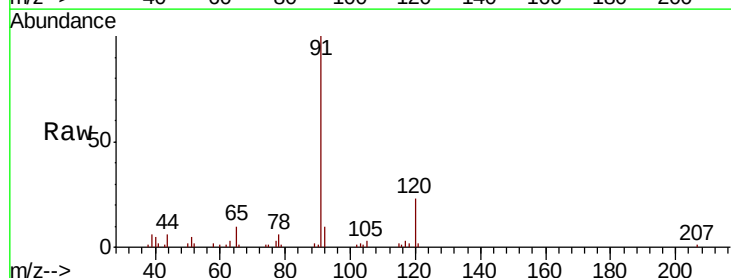
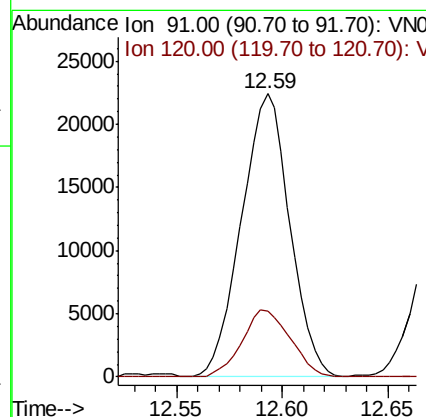
RT: 12.59 min Scan# 3365

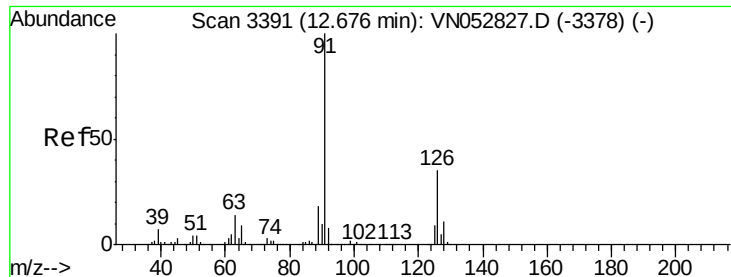
Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	91	Resp:	35689
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 0.848 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 21663

Ion Ratio Lower Upper

91 100

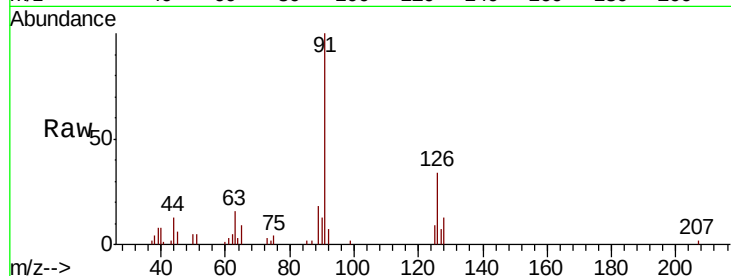
126 34.0 17.4 52.3

Manual Integrations

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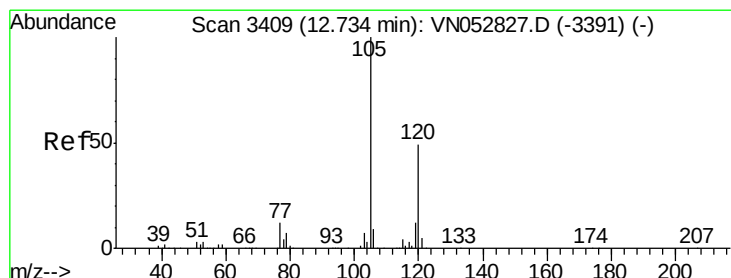
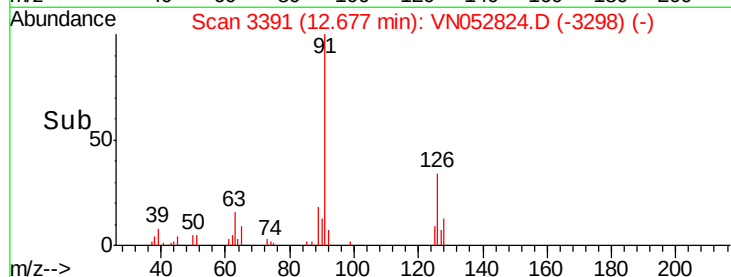
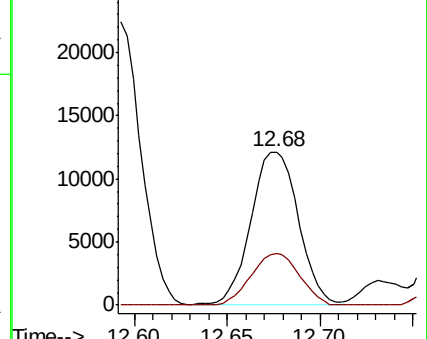
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12/13/2018 1:35:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.796 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052824.D

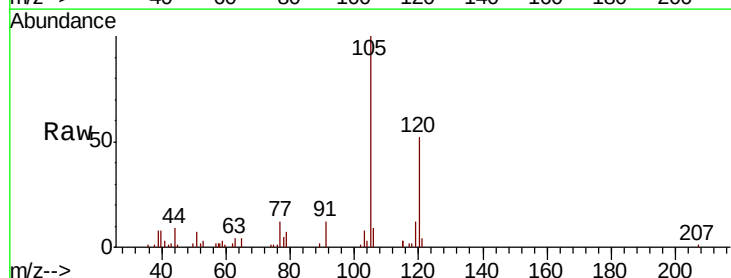
Acq: 12 Dec 2018 13:52

Tgt Ion: 105 Resp: 24372

Ion Ratio Lower Upper

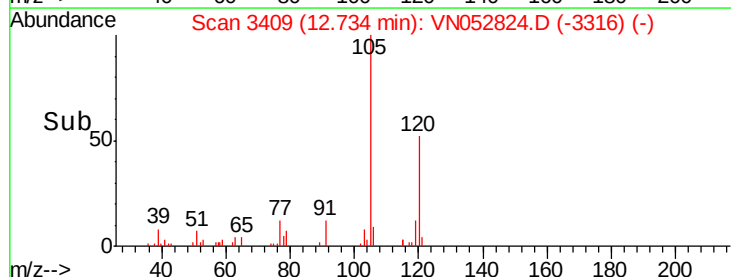
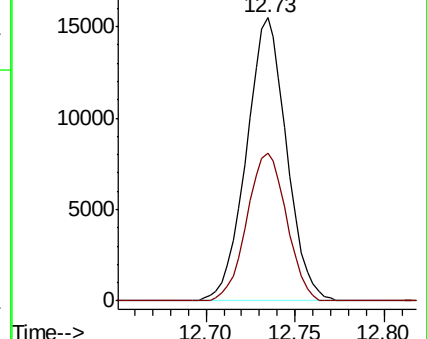
105 100

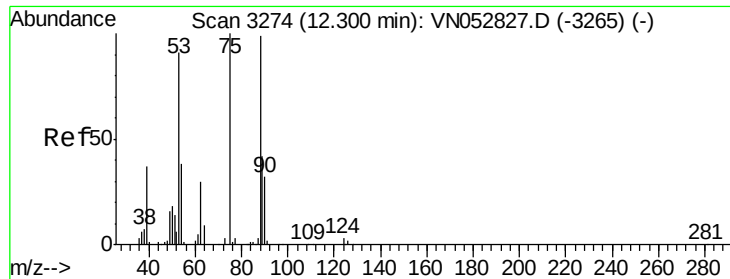
120 51.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)





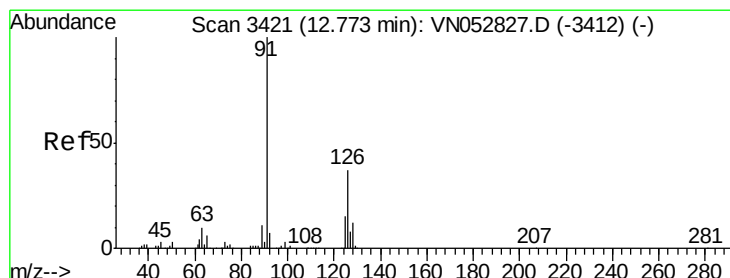
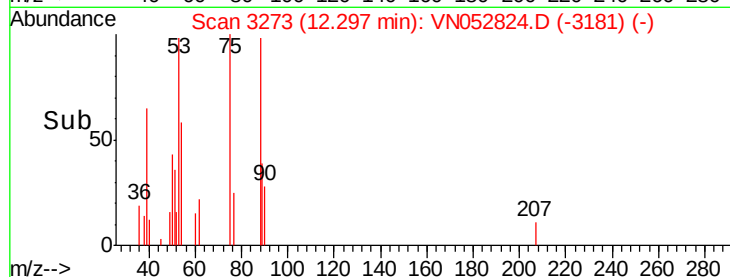
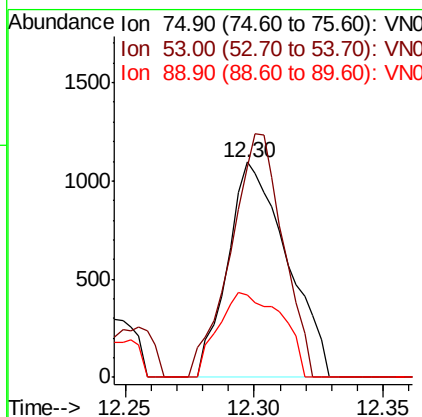
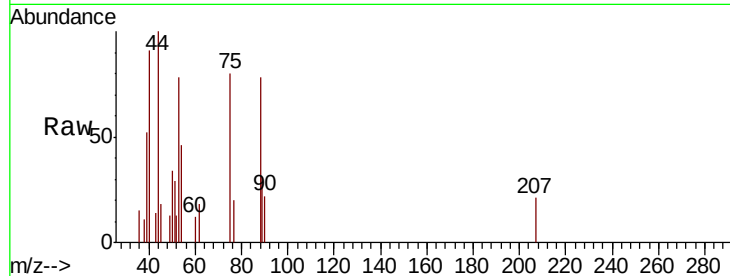
#81
trans-1,4-Dichloro-2-butene
Concen: 0.755 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	74.7	112.1
89	41.9	36.1	54.1

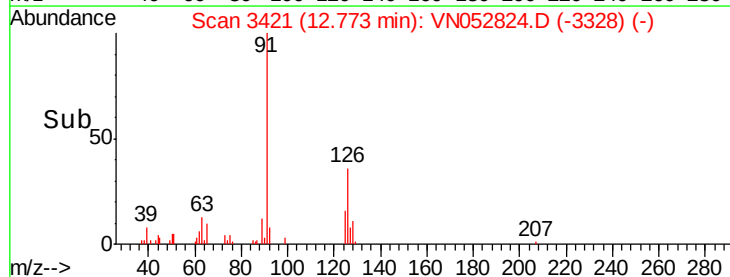
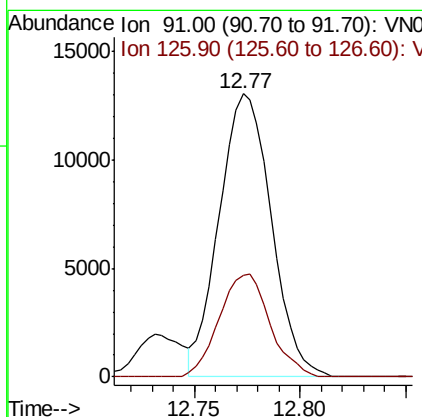
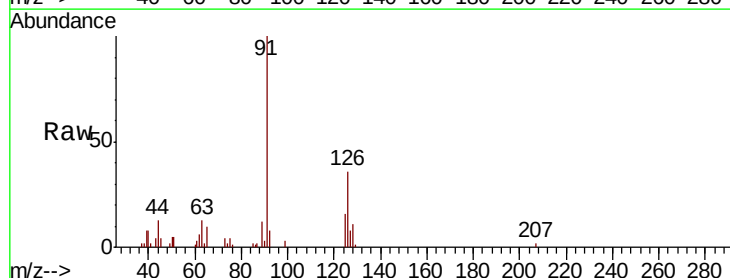
Manual Integrations
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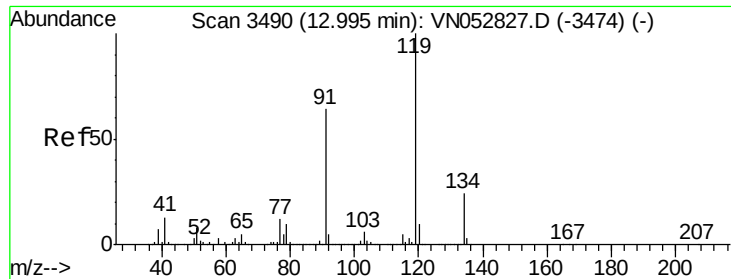
MMDadoda
12/13/2018 1:35:58 PM



#82
4-Chlorotoluene
Concen: 0.856 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	51.7





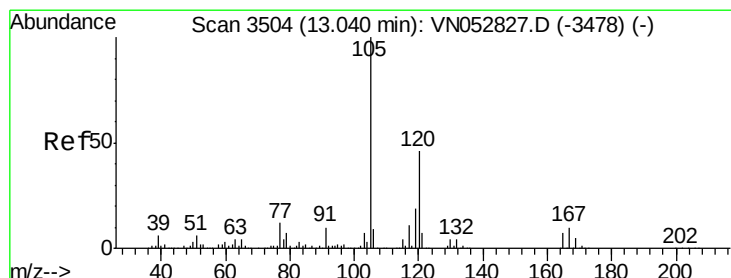
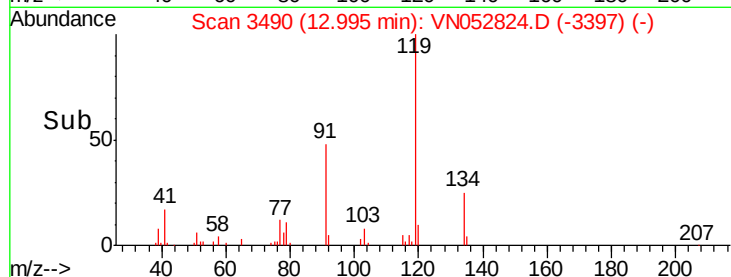
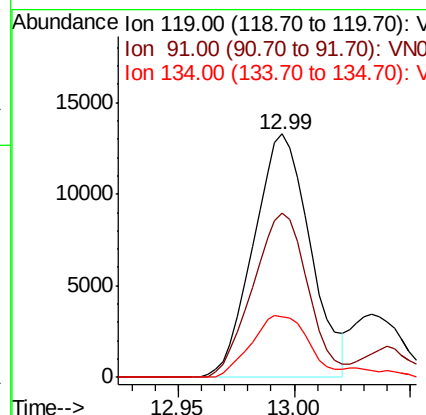
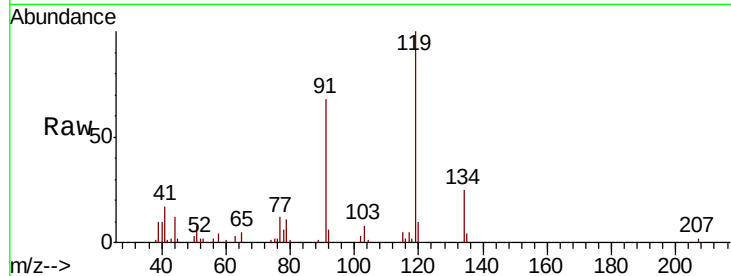
#83
tert-Butylbenzene
Concen: 0.833 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	31.9	95.5
134	25.6	12.8	38.4

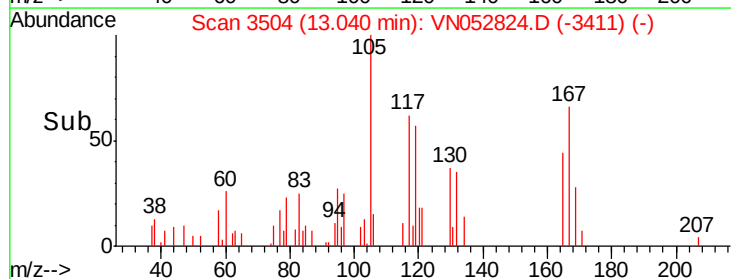
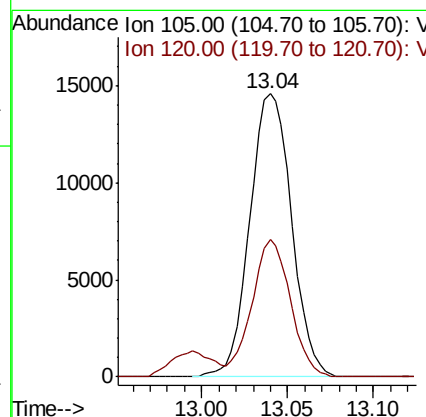
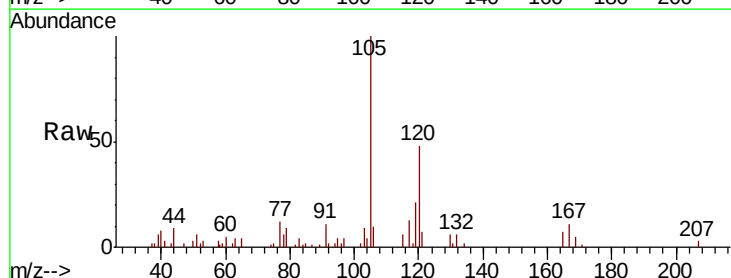
Manual Integrations
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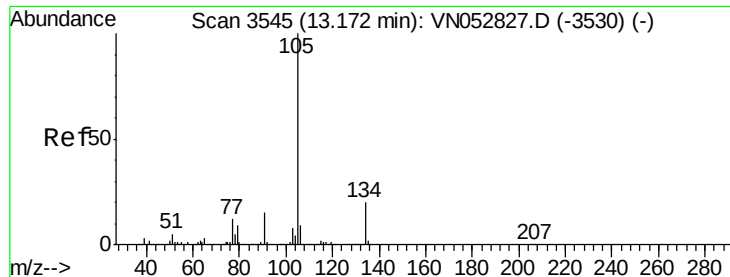
MMDadoda
12/13/2018 1:35:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 0.792 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	68.8





#85

sec-Butylbenzene

Concen: 0.818 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 29907

Ion Ratio Lower Upper

105 100

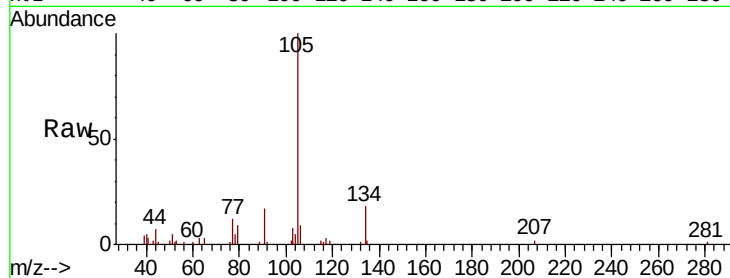
134 20.2 10.1 30.3

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

13.17

20000

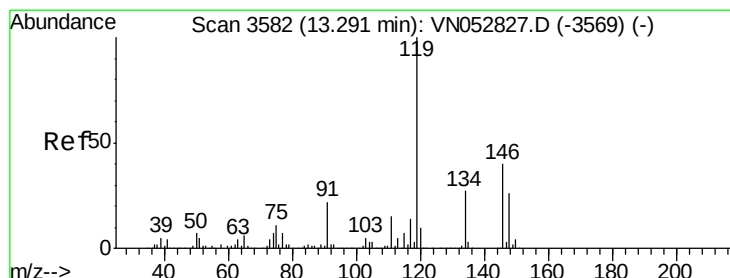
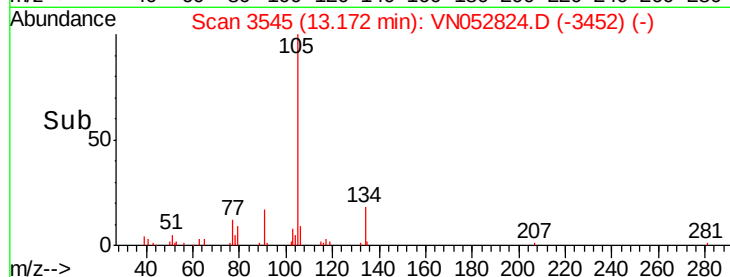
15000

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 0.779 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

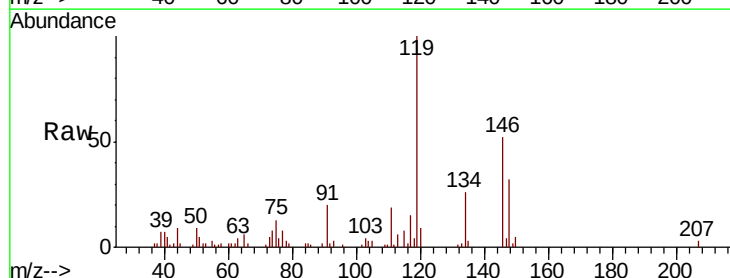
Tgt Ion:119 Resp: 24675

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 21.6 11.1 33.3



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

13.29

20000

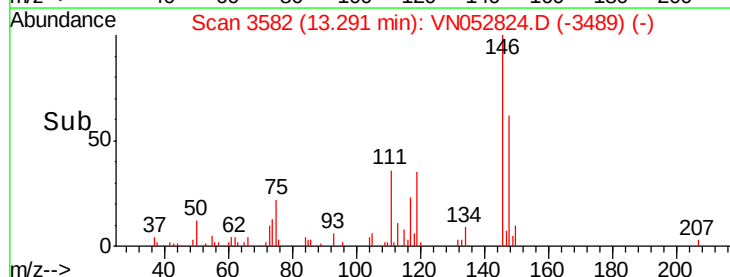
15000

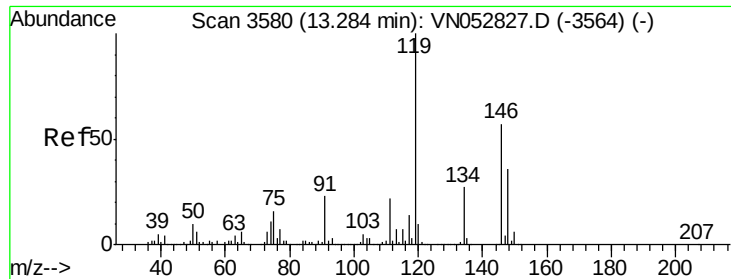
10000

5000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 0.886 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

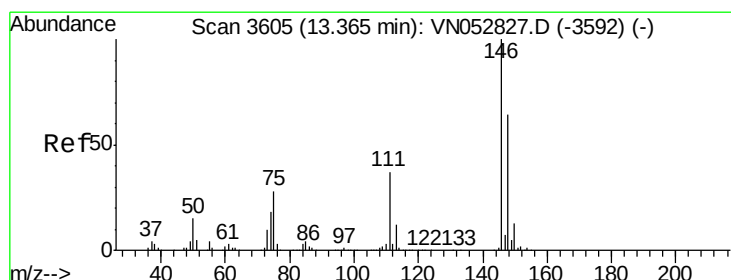
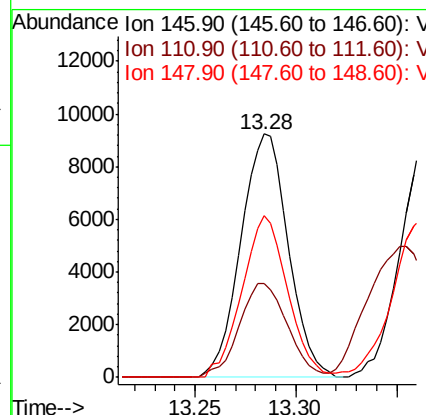
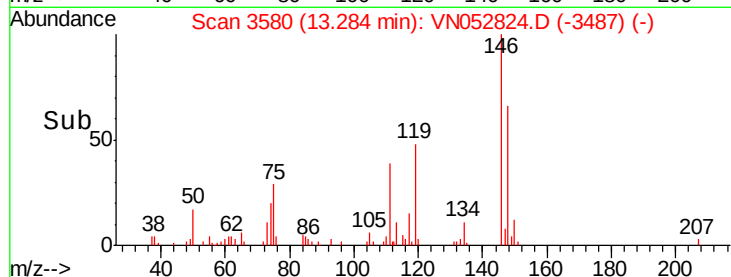
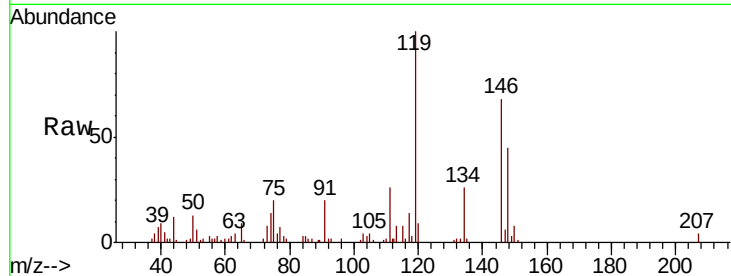
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.1
148	63.9	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.879 ug/l m

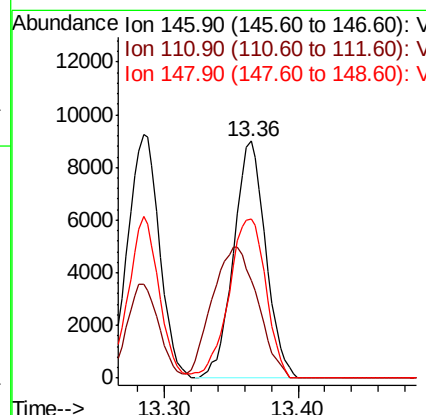
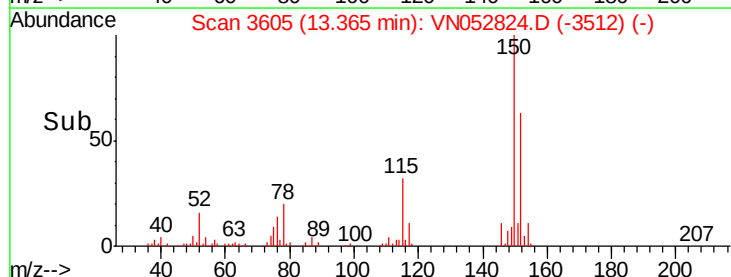
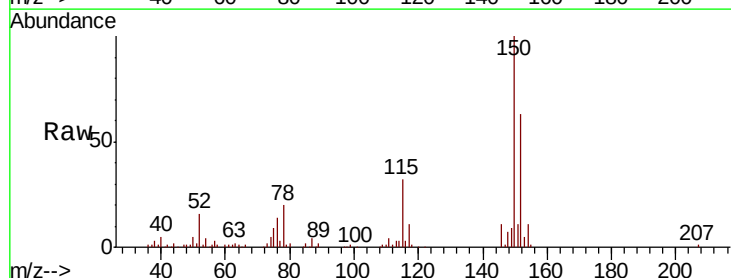
RT: 13.36 min Scan# 3605

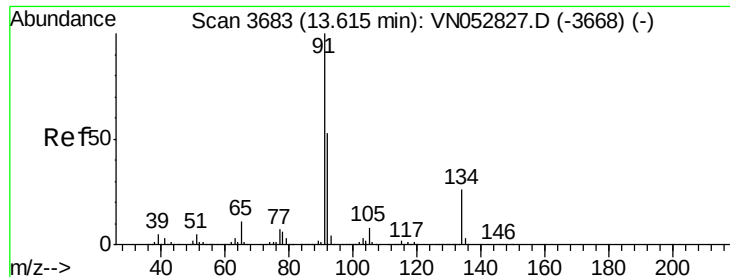
Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.6	55.8
148	65.0	32.1	96.5





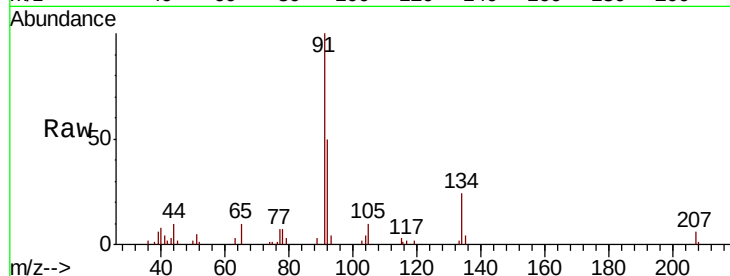
#89
n-Butylbenzene
Concen: 0.784 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.6	26.3	78.9
134	23.5	13.3	39.8

Manual Integrations
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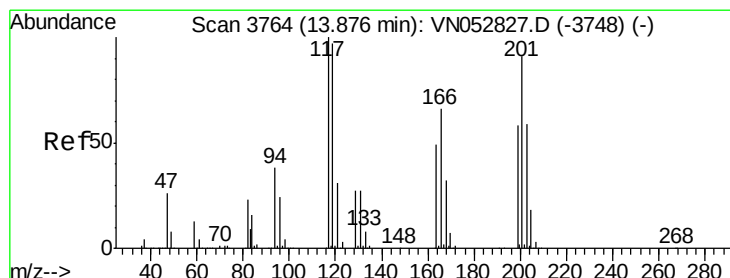
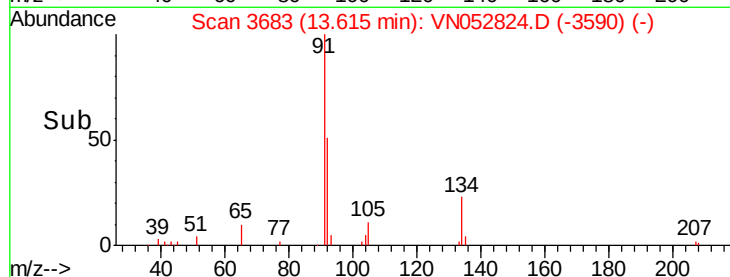
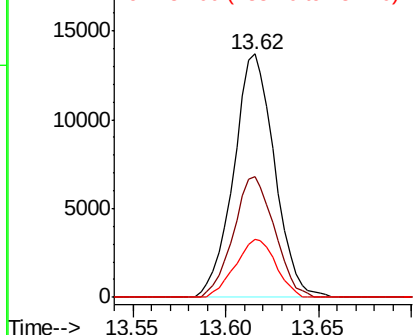


Abundance

Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

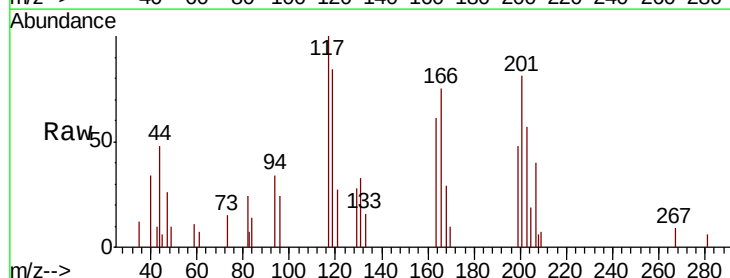
Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN052824.D
Acq: 12 Dec 2018 13:52

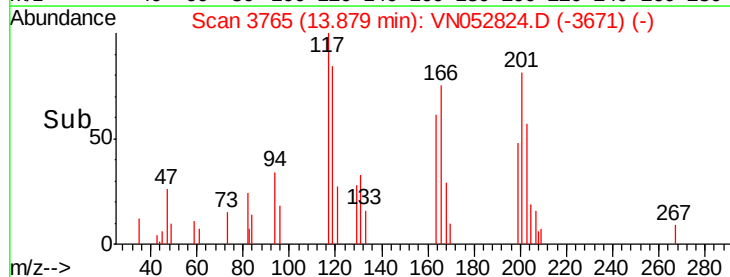
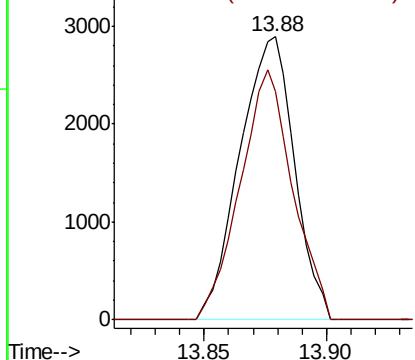
Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	45.7	137.1

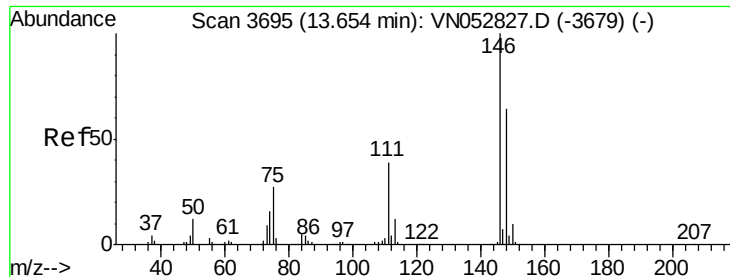


Abundance

Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





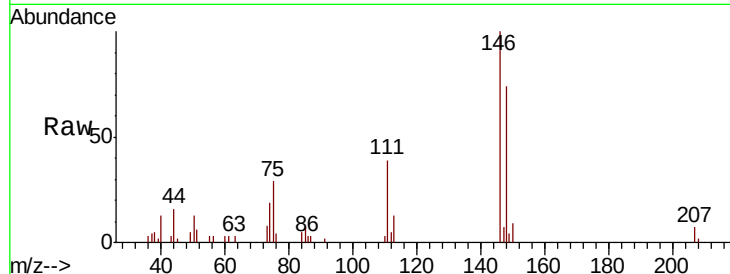
#91
 1,2-Dichlorobenzene
 Concen: 0.884 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.0
148	68.6	32.0	96.0

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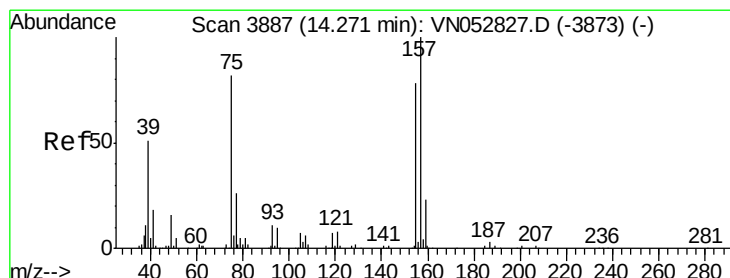
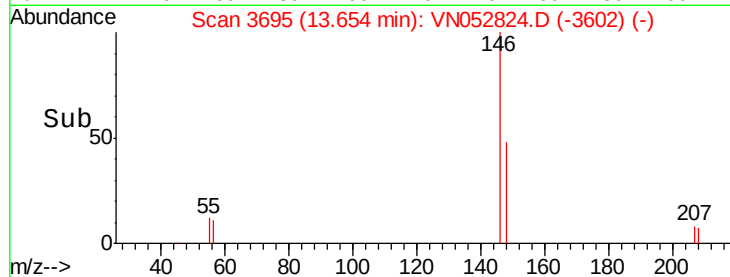
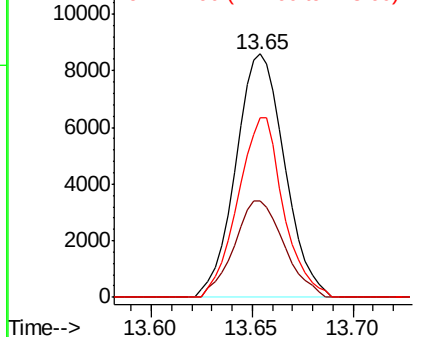


Abundance

Ion 145.90 (145.60 to 146.60): V

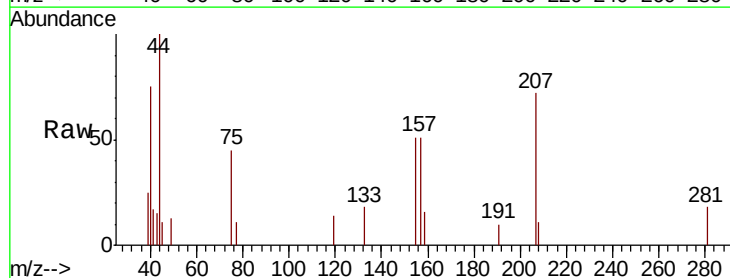
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.778 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.5	48.2	144.6
157	123.6	61.2	183.5

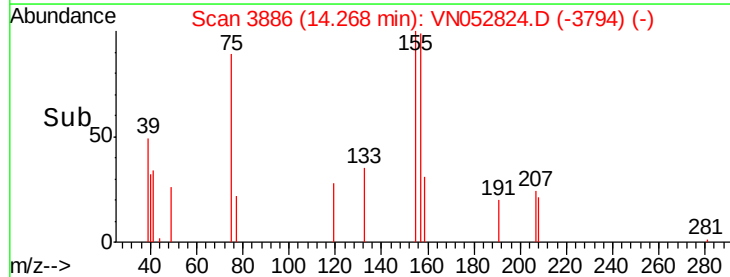
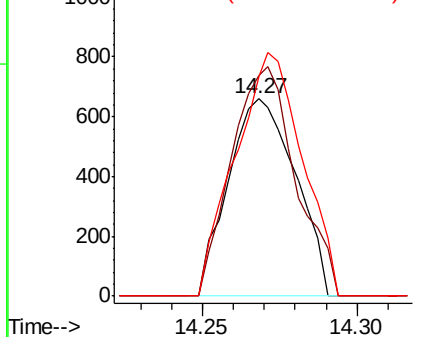


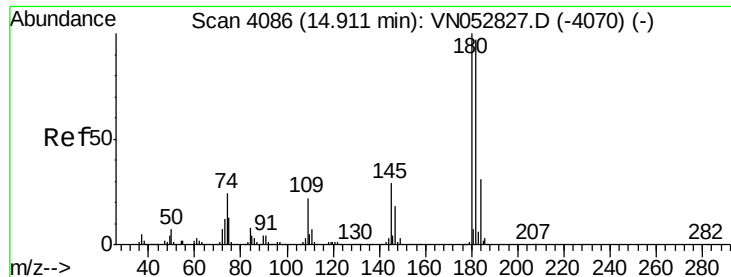
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





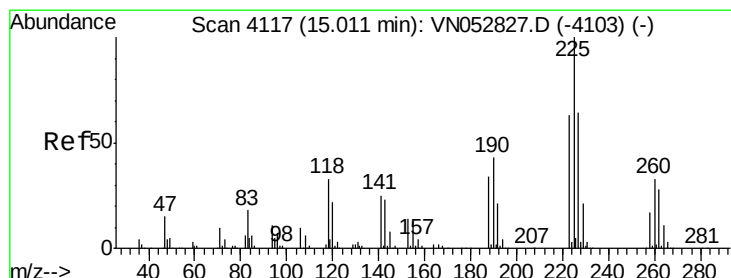
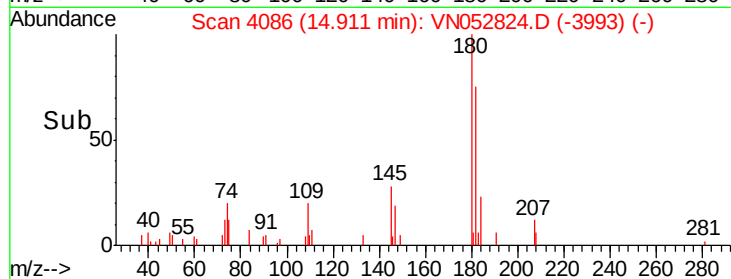
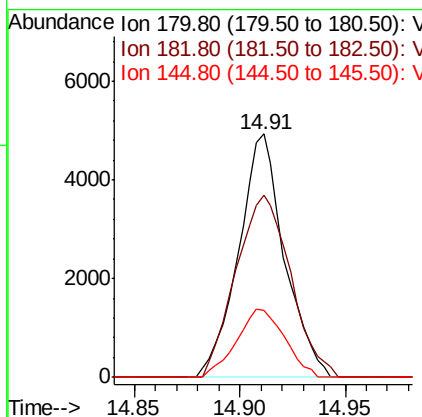
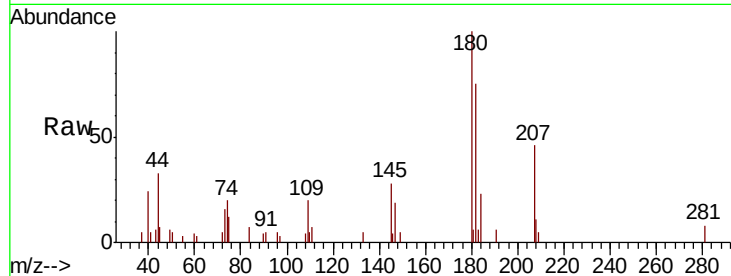
#93
 1,2,4-Trichlorobenzene
 Concen: 0.830 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.8	143.3
145	29.4	14.2	42.6

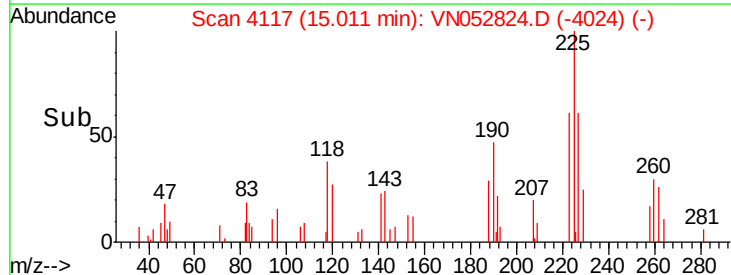
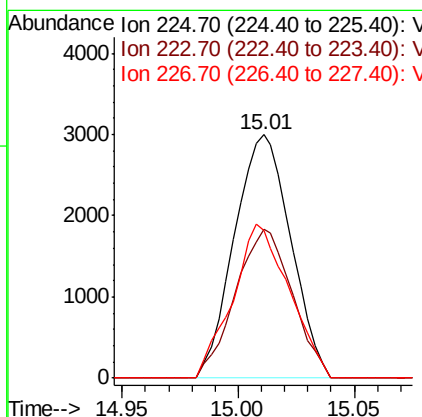
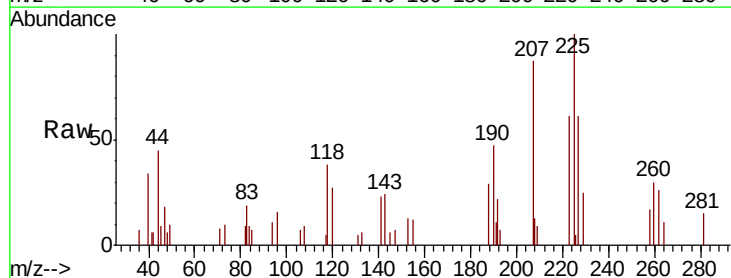
Manual Integrations
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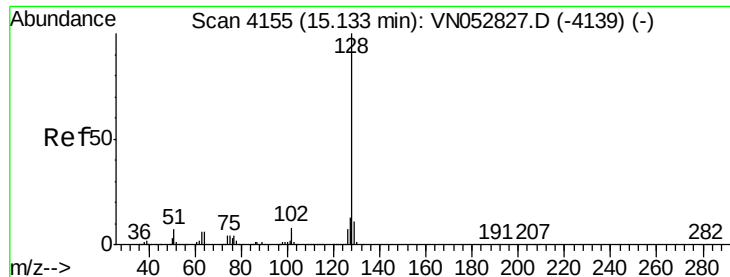
MMDadoda
 12/13/2018 1:35:58 PM



#94
 Hexachlorobutadiene
 Concen: 0.975 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052824.D
 Acq: 12 Dec 2018 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.5	94.5
227	63.4	31.9	95.7





#95

Naphthalene

Concen: 0.769 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Instrument :

MSVOA_N

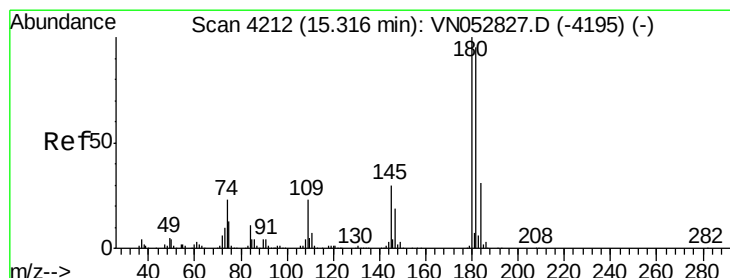
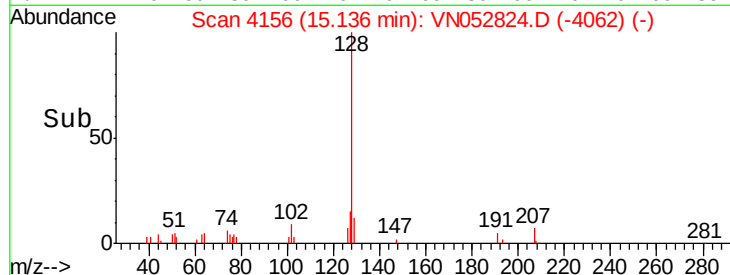
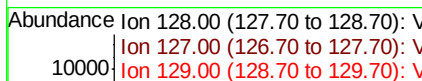
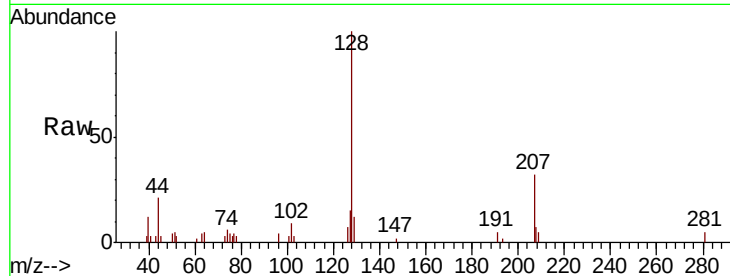
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	14272
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	9.8	8.6	13.0

Manual Integrations
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12/13/2018 1:35:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.858 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052824.D

Acq: 12 Dec 2018 13:52

Tgt Ion:	180	Resp:	7051
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	30.1	15.0	45.0

