

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052224.D
 Acq On : 9 Nov 2018 13:39
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:28 AM

Quant Time: Nov 12 00:35:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:20:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	262942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150502	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	2937	1.027	ug/l	97
3) Chloromethane	2.06	50	4499	1.127	ug/l	96
4) Vinyl Chloride	2.19	62	3531	1.062	ug/l #	87
5) Bromomethane	2.58	94	2647	1.255	ug/l	98
6) Chloroethane	2.72	64	2518	1.275	ug/l	93
7) Trichlorofluoromethane	3.02	101	5512	1.191	ug/l	95
8) Diethyl Ether	3.42	74	2227	1.223	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	3595m	1.211	ug/l	
12) 1,1-Dichloroethene	3.74	96	3094	1.126	ug/l	93
14) Allyl chloride	4.32	41	6991	1.215	ug/l #	80
15) Acrylonitrile	4.99	53	5659	4.995	ug/l	95
16) Acetone	3.82	43	7248m	6.922	ug/l	
17) Carbon Disulfide	4.06	76	8914	1.118	ug/l #	80
18) Methyl Acetate	4.32	43	4007m	1.334	ug/l	
19) Methyl tert-butyl Ether	5.04	73	8116	1.033	ug/l	91
20) Methylene Chloride	4.56	84	3998m	1.218	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	3325	1.113	ug/l #	73
22) Diisopropyl ether	5.96	45	12897m	1.112	ug/l	
23) Vinyl Acetate	5.90	43	39031	4.930	ug/l	98
24) 1,1-Dichloroethane	5.86	63	7111m	1.167	ug/l	
25) 2-Butanone	6.84	43	9155	5.968	ug/l	98
26) 2,2-Dichloropropane	6.82	77	5413	1.216	ug/l	82
27) cis-1,2-Dichloroethene	6.83	96	3547	1.061	ug/l	92
28) Bromochloromethane	7.19	49	3016	1.002	ug/l #	94
29) Tetrahydrofuran	7.21	42	6585m	6.596	ug/l	
30) Chloroform	7.38	83	6653	1.154	ug/l	91
31) Cyclohexane	7.66	56	13244	1.873	ug/l #	51
32) 1,1,1-Trichloroethane	7.57	97	4979	1.059	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	5363	1.159	ug/l	96
37) Ethyl Acetate	6.94	43	4470	1.258	ug/l #	86
38) Carbon Tetrachloride	7.77	117	4400	1.049	ug/l	98
39) Methylcyclohexane	9.08	83	5616	1.064	ug/l	94
40) Benzene	8.04	78	14934	1.127	ug/l	97
41) Methacrylonitrile	7.17	41	2540	1.255	ug/l #	66

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052224.D
 Acq On : 9 Nov 2018 13:39
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:28 AM

Quant Time: Nov 12 00:35:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:20:00 2018
 Response via : Initial Calibration

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

42) 1,2-Dichloroethane	8.13	62	5718	1.230	ug/l	82
43) Isopropyl Acetate	8.17	43	6469	1.066	ug/l #	86
44) Trichloroethene	8.84	130	3997	1.203	ug/l	95
45) 1,2-Dichloropropane	9.12	63	4299	1.161	ug/l #	81
46) Dibromomethane	9.21	93	2286	1.075	ug/l	93
47) Bromodichloromethane	9.40	83	5103	1.158	ug/l #	98
48) Methyl methacrylate	9.19	41	3658	1.144	ug/l	92
49) 1,4-Dioxane	9.19	88	649	25.247	ug/l #	70
51) 4-Methyl-2-Pentanone	9.98	43	18153	5.416	ug/l	99
52) Toluene	10.16	92	8711	1.090	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	4193	0.964	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	5353	1.043	ug/l	99
55) 1,1,2-Trichloroethane	10.57	97	3294	1.140	ug/l	97
56) Ethyl methacrylate	10.43	69	4337	1.110	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	6005	1.161	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	9705	4.488	ug/l	98
59) 2-Hexanone	10.75	43	12888	5.478	ug/l	99
60) Dibromochloromethane	10.90	129	2683	0.915	ug/l	91
61) 1,2-Dibromoethane	11.00	107	3098	1.091	ug/l	95
64) Tetrachloroethene	10.63	164	3287	1.189	ug/l	91
65) Chlorobenzene	11.43	112	9481	1.134	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	2964	1.046	ug/l #	59
67) Ethyl Benzene	11.51	91	16173	1.099	ug/l	92
68) m/p-Xylenes	11.62	106	12062	2.202	ug/l	96
69) o-Xylene	11.95	106	5271	1.007	ug/l	100
70) Styrene	11.96	104	8523	1.008	ug/l	97
71) Bromoform	12.13	173	1591	0.941	ug/l #	98
73) Isopropylbenzene	12.25	105	13809	1.122	ug/l	96
74) N-amyl acetate	12.07	43	4806	1.076	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	3637	1.206	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	2889m	1.089	ug/l	
77) Bromobenzene	12.53	156	3432	1.192	ug/l	97
78) n-propylbenzene	12.59	91	16405	1.138	ug/l	94
79) 2-Chlorotoluene	12.67	91	9751	1.168	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	10946	1.119	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.30	75	756	0.969	ug/l #	22
82) 4-Chlorotoluene	12.77	91	9205	1.099	ug/l	100
83) tert-Butylbenzene	12.99	119	9839	1.152	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	10871	1.102	ug/l	99
85) sec-Butylbenzene	13.17	105	12748	1.088	ug/l	99
86) p-Isopropyltoluene	13.29	119	10286	1.050	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5807	1.158	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	5842m	1.164	ug/l	
89) n-Butylbenzene	13.61	91	8868	1.016	ug/l	97
90) Hexachloroethane	13.86	117	1879	1.092	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	5850	1.196	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	440	1.026	ug/l #	70
93) 1,2,4-Trichlorobenzene	14.91	180	1464	0.757	ug/l	91
94) Hexachlorobutadiene	15.00	225	1130	1.075	ug/l	95
95) Naphthalene	15.13	128	4037	0.847	ug/l #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
Data File : VN052224.D
Acq On : 9 Nov 2018 13:39
Operator : MD\SY
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

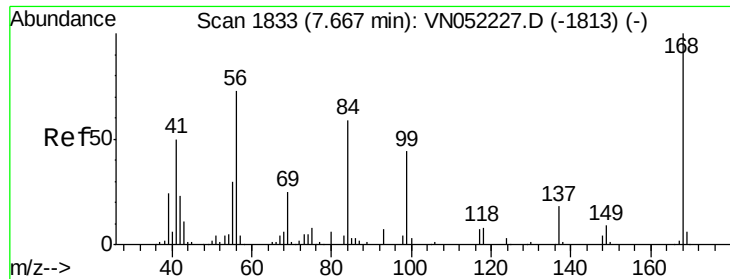
Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM

Quant Time: Nov 12 00:35:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:20:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	1738	0.950	ug/l	91

(#) = 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: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 262942

Ion Ratio Lower Upper

168 100

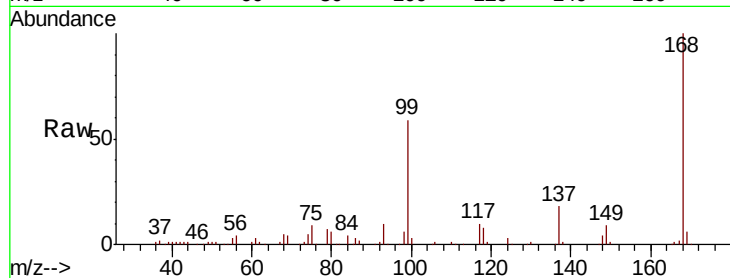
99 58.8 44.7 67.1

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

60000

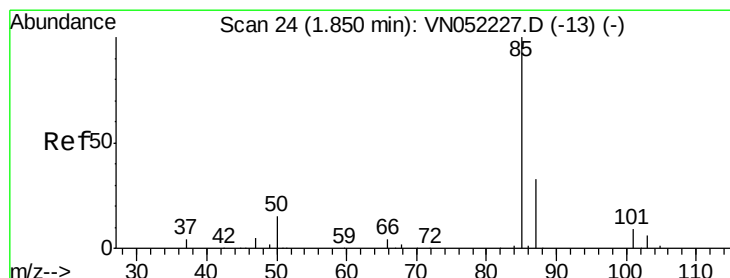
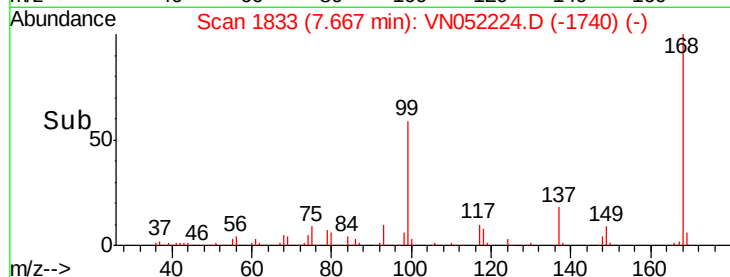
40000

20000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.027 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052224.D

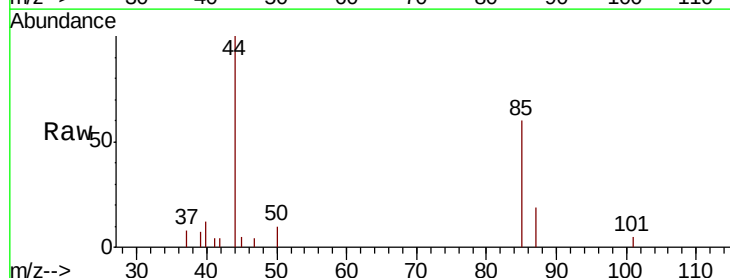
Acq: 9 Nov 2018 13:39

Tgt Ion: 85 Resp: 2937

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

2500

2000

1500

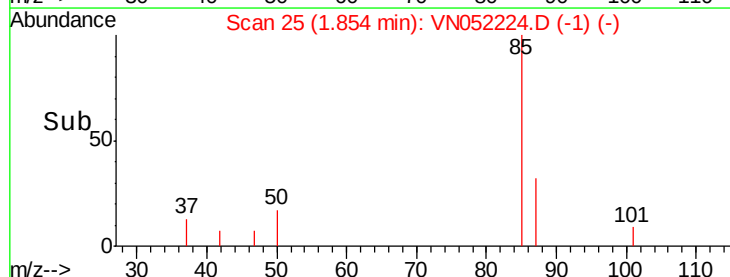
1000

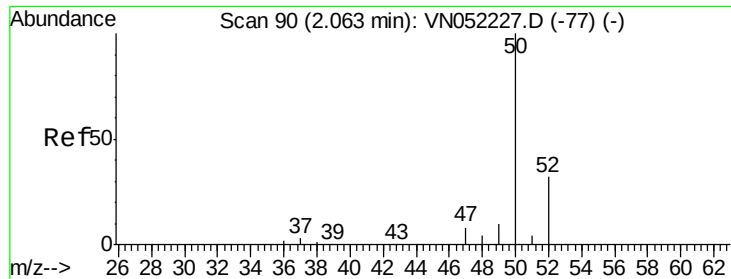
500

0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 1.127 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4499

Ion Ratio Lower Upper

50 100

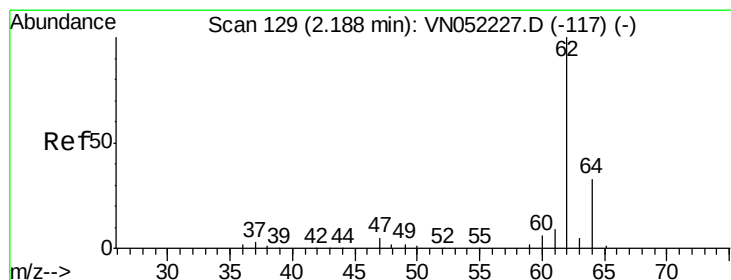
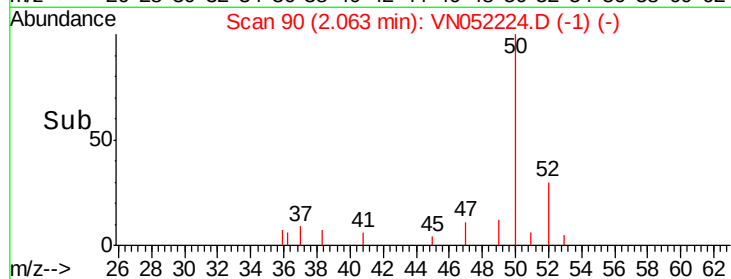
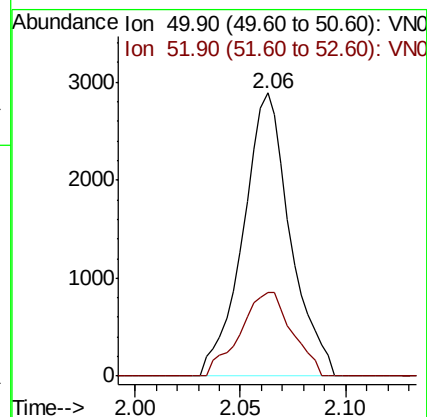
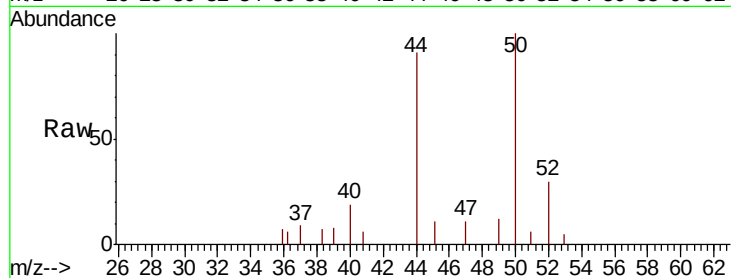
52 29.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



#4

Vinyl Chloride

Concen: 1.062 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052224.D

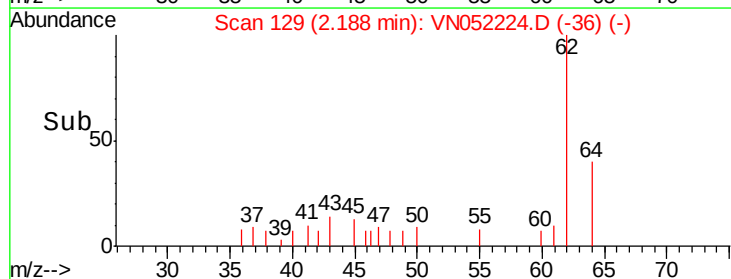
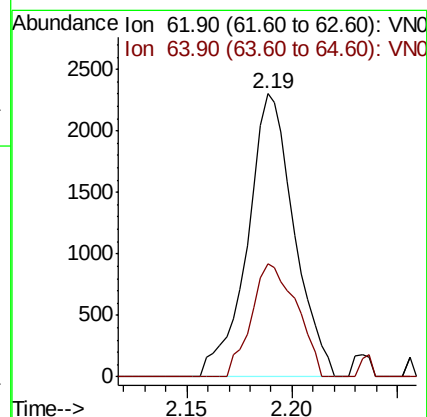
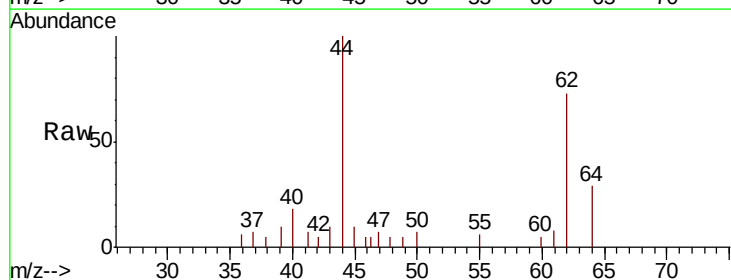
Acq: 9 Nov 2018 13:39

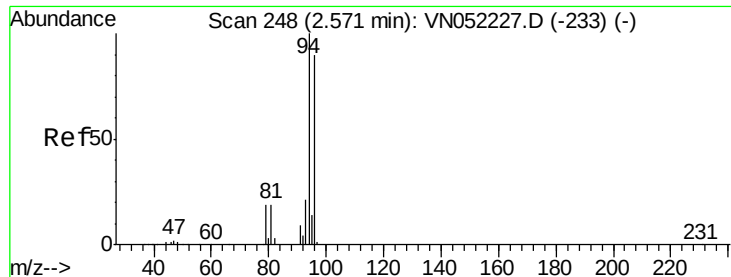
Tgt Ion: 62 Resp: 3531

Ion Ratio Lower Upper

62 100

64 40.1 26.1 39.1#





#5

Bromomethane

Concen: 1.255 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2647

Ion Ratio Lower Upper

94 100

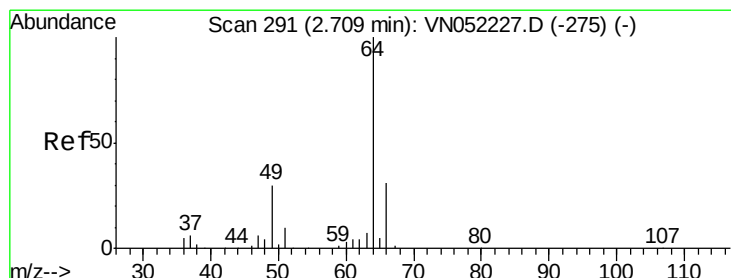
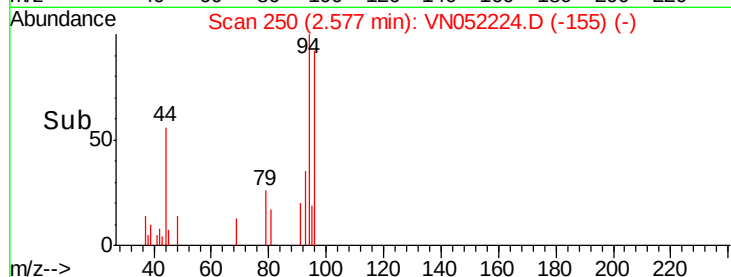
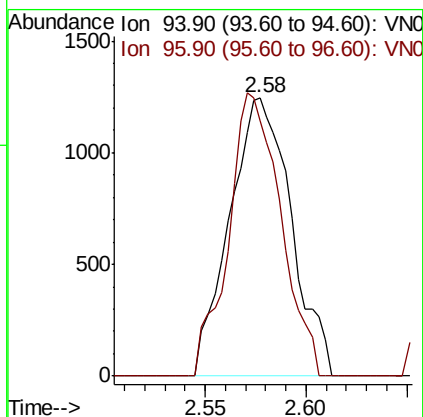
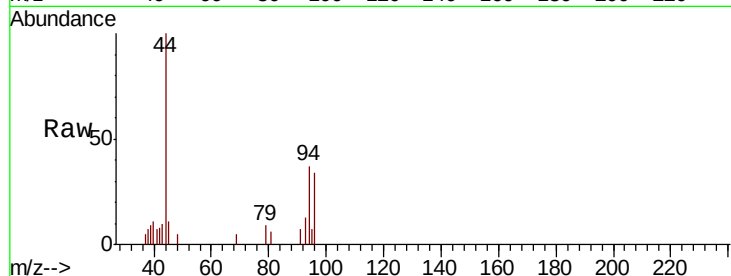
96 91.7 71.8 107.8

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



#6

Chloroethane

Concen: 1.275 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN052224.D

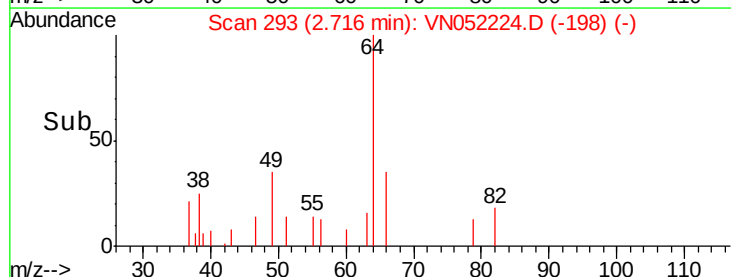
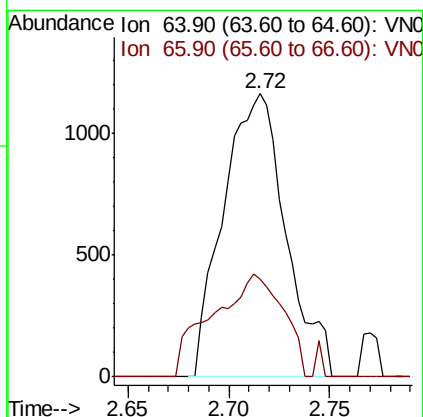
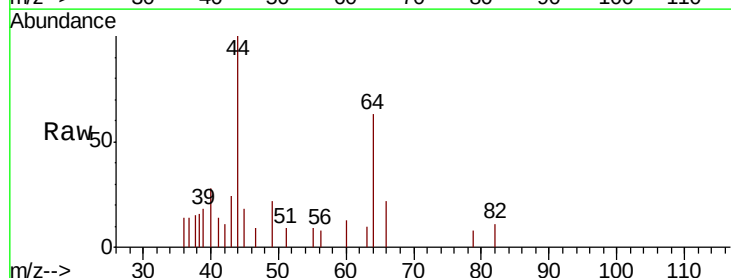
Acq: 9 Nov 2018 13:39

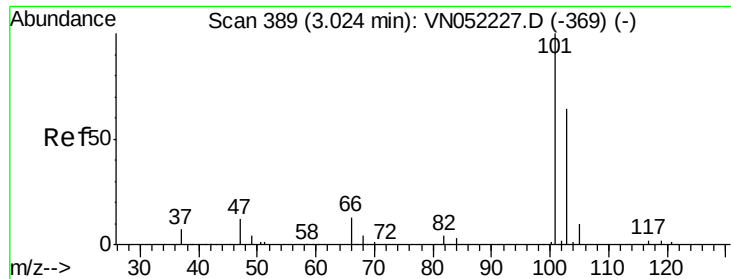
Tgt Ion: 64 Resp: 2518

Ion Ratio Lower Upper

64 100

66 34.7 24.6 36.8





#7

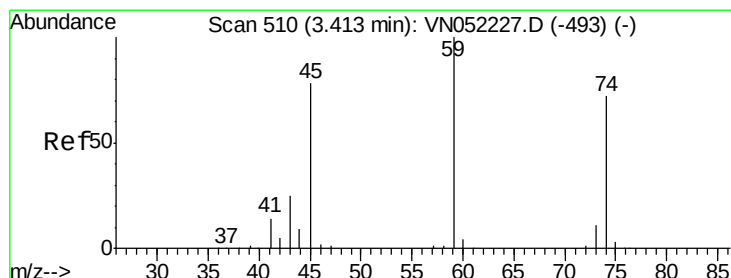
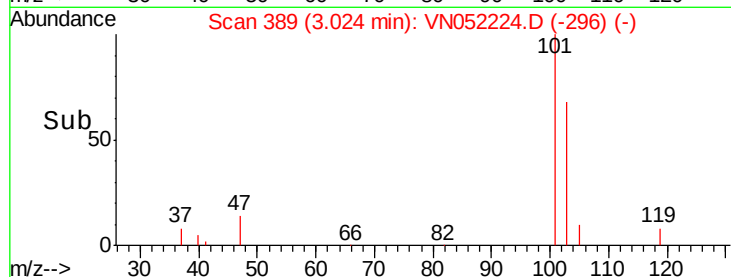
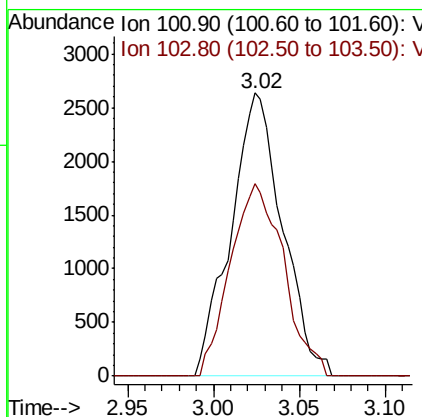
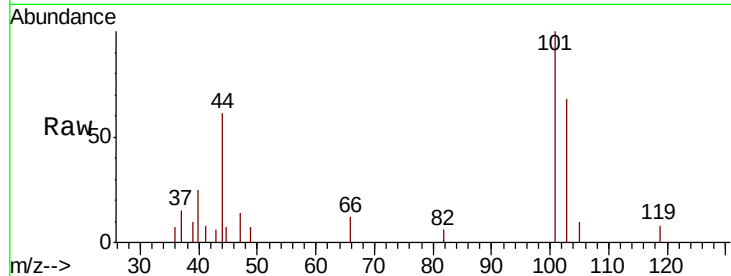
Trichlorofluoromethane
Concen: 1.191 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 5512
Ion Ratio Lower Upper
101 100
103 68.2 51.2 76.8

Manual Integrations
APPROVED

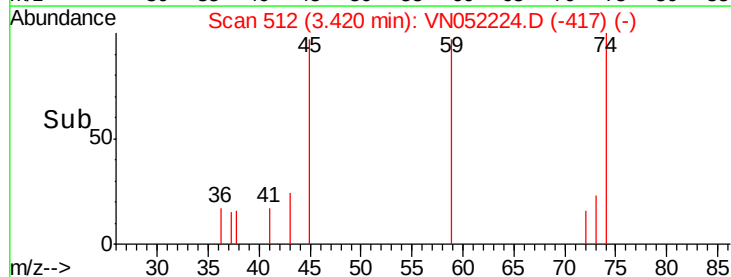
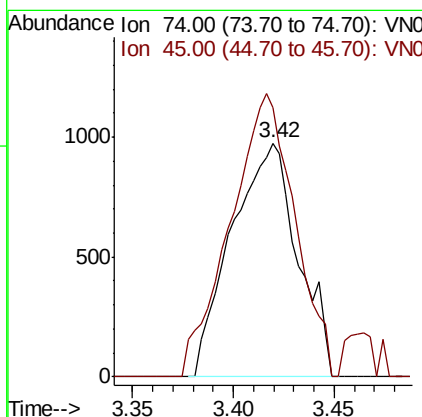
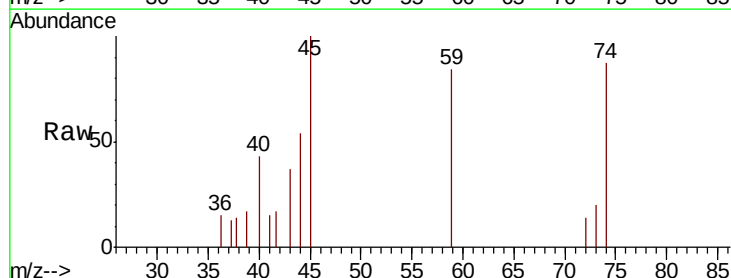
MMDadoda
11/12/2018 9:18:28 AM

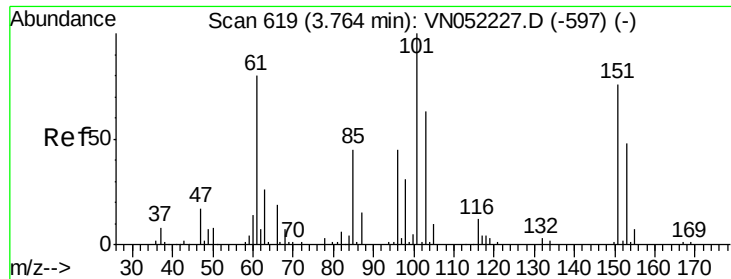


#8

Diethyl Ether
Concen: 1.223 ug/l
RT: 3.42 min Scan# 512
Delta R.T. 0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 74 Resp: 2227
Ion Ratio Lower Upper
74 100
45 118.1 55.5 166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.211 ug/l m

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

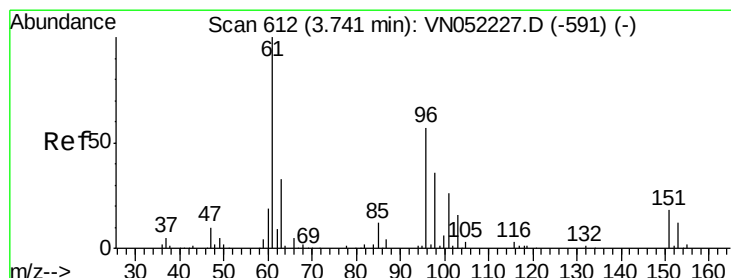
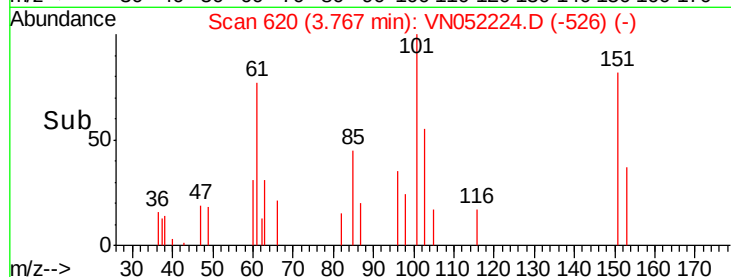
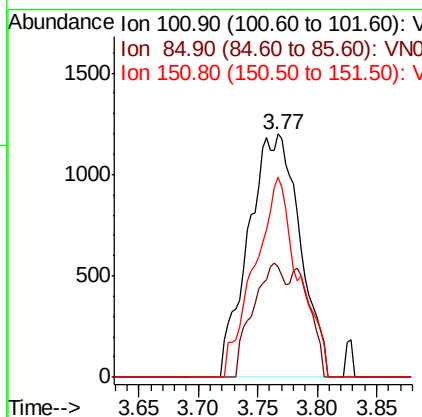
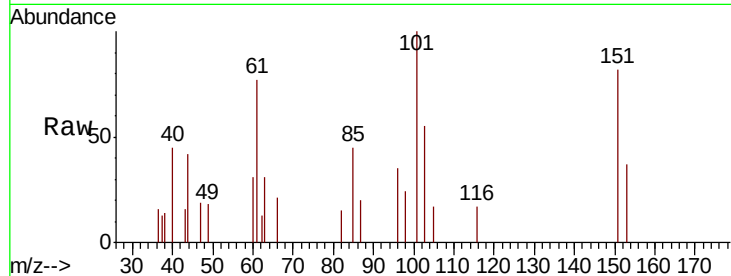
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	28.7	36.2	54.4#
151	70.6	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#12

1,1-Dichloroethene

Concen: 1.126 ug/l

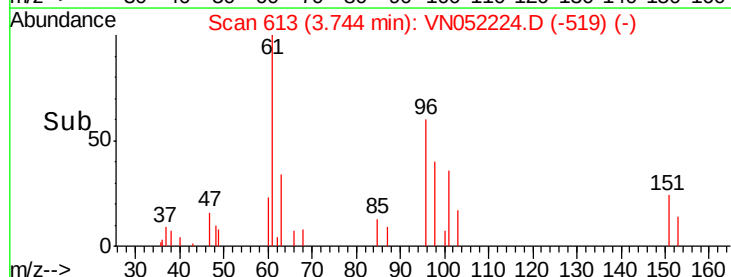
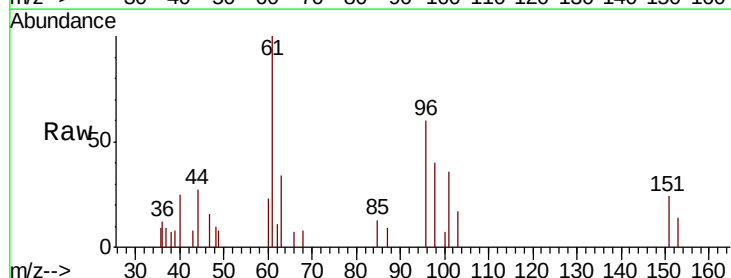
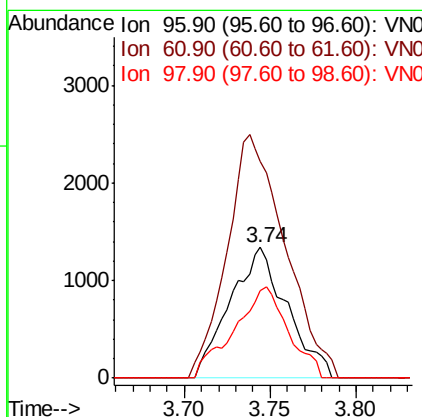
RT: 3.74 min Scan# 613

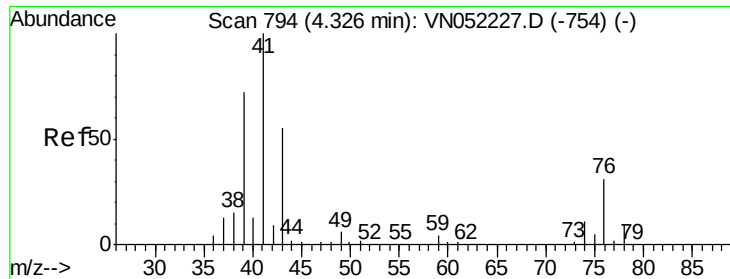
Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	141.1	211.7
98	66.9	50.3	75.5





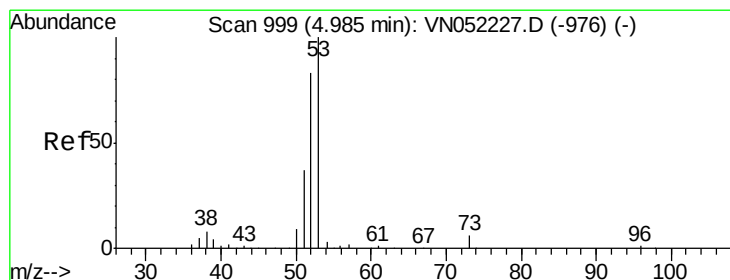
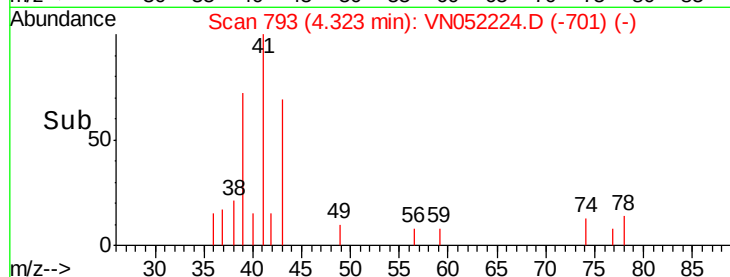
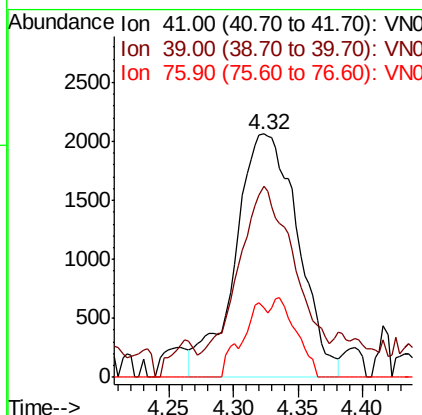
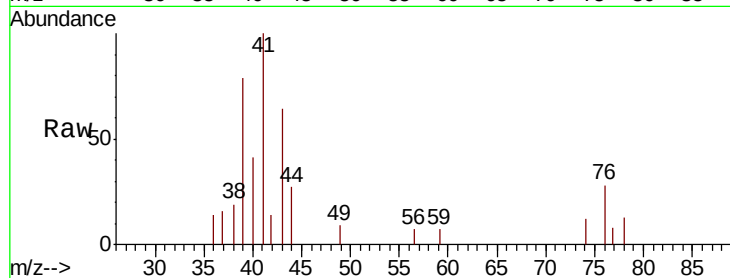
#14
Allvl chloride
Concen: 1.215 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	55.1	82.7
76	12.5	23.6	35.4

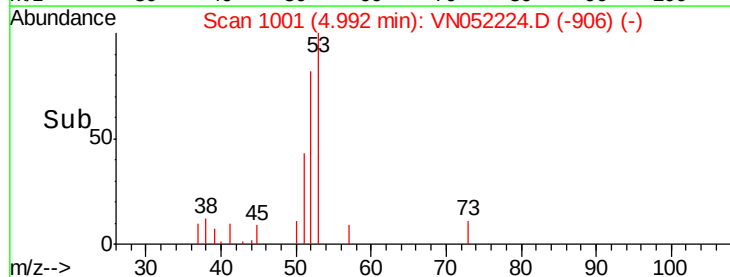
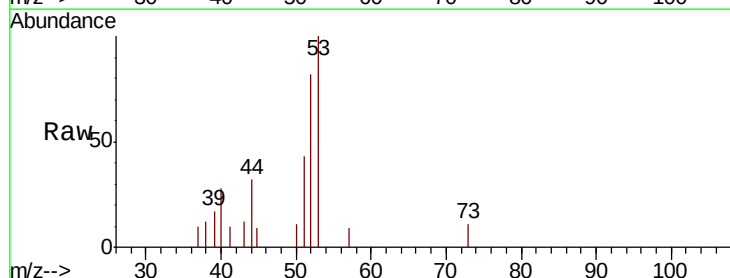
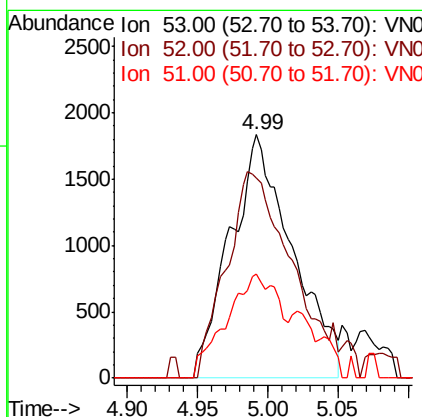
Manual Integrations
APPROVED

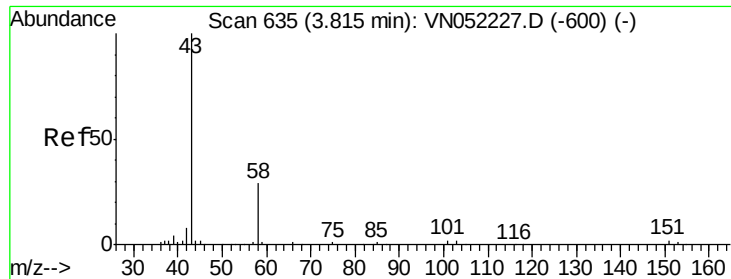
MMDadoda
11/12/2018 9:18:28 AM



#15
Acrylonitrile
Concen: 4.995 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
53	100		
52	89.7	66.7	100.1
51	36.5	29.4	44.0





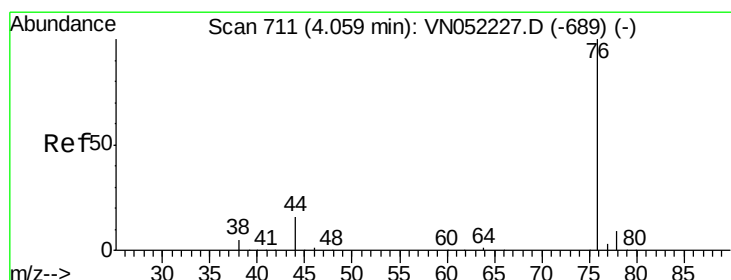
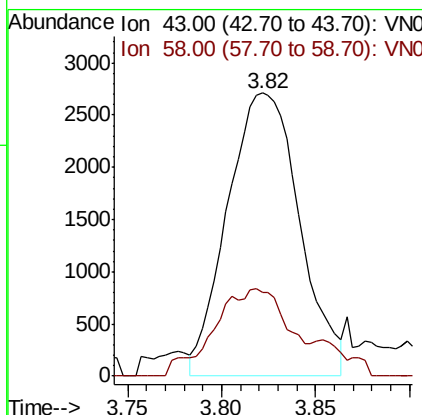
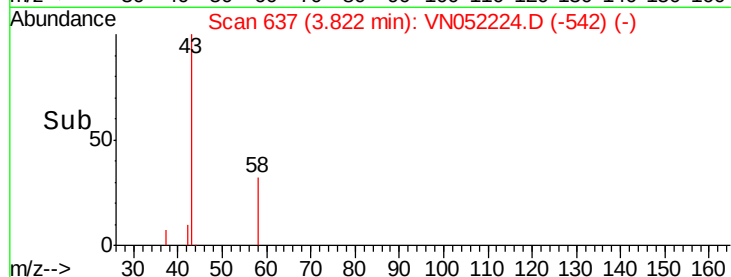
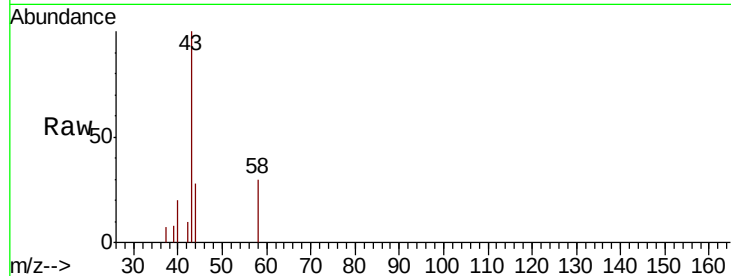
#16
Acetone
Concen: 6.922 ug/l m
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7248
Ion Ratio Lower Upper
43 100
58 29.7 23.0 34.6

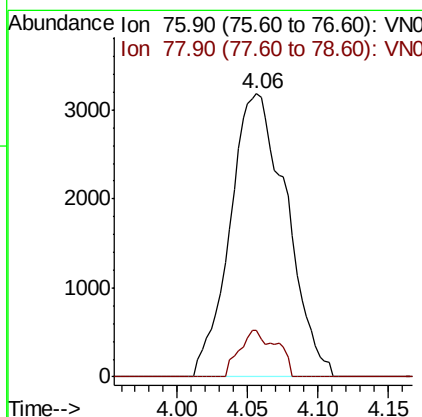
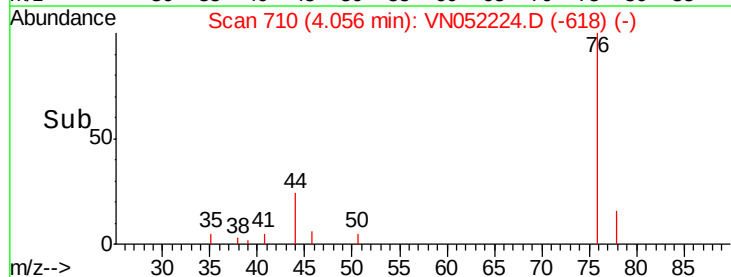
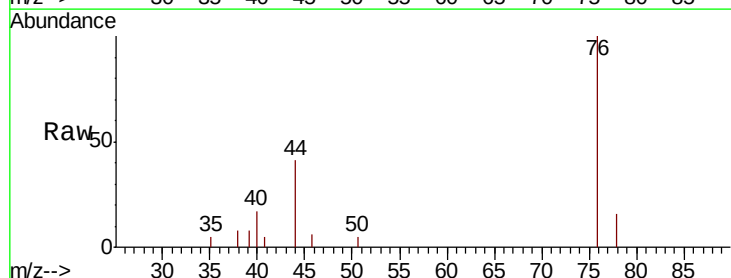
Manual Integrations
APPROVED

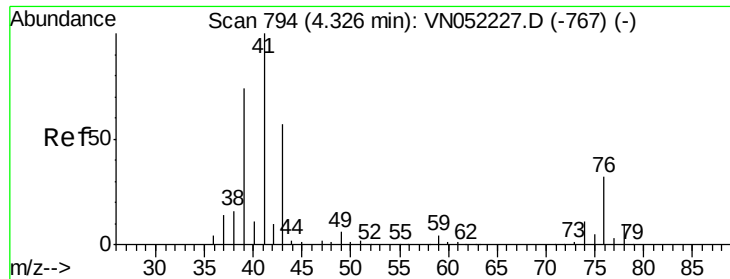
MMDadoda
11/12/2018 9:18:28 AM



#17
Carbon Disulfide
Concen: 1.118 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 76 Resp: 8914
Ion Ratio Lower Upper
76 100
78 16.3 7.3 10.9#





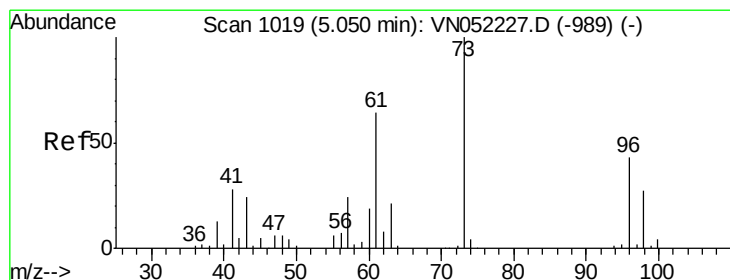
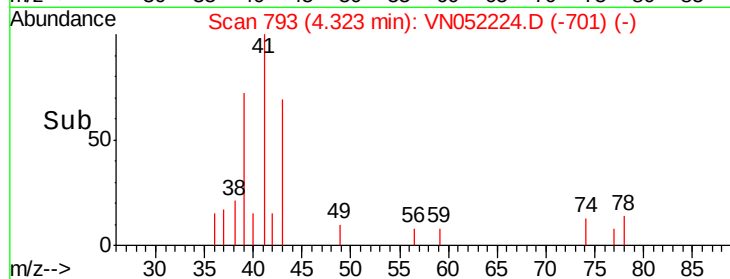
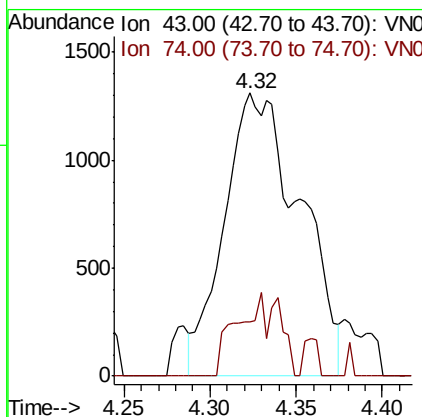
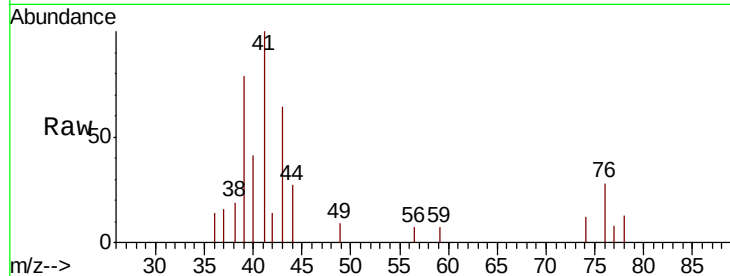
#18
Methyl Acetate
Concen: 1.334 ug/l m
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 4007
Ion Ratio Lower Upper
43 100
74 10.9 16.2 24.2#

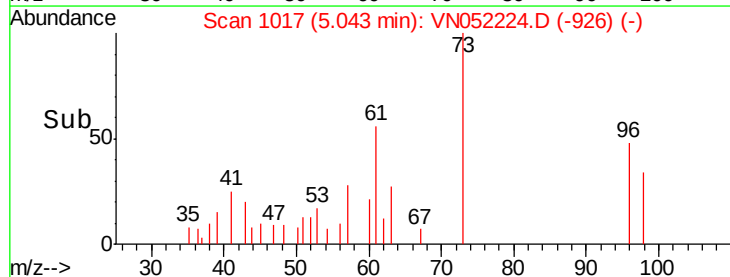
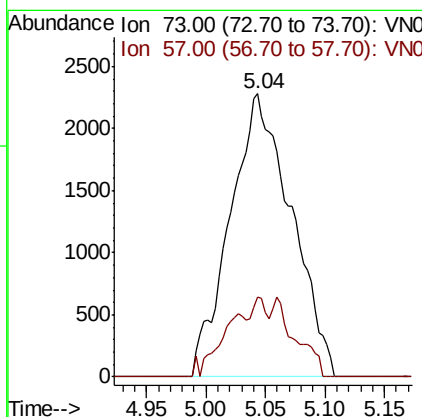
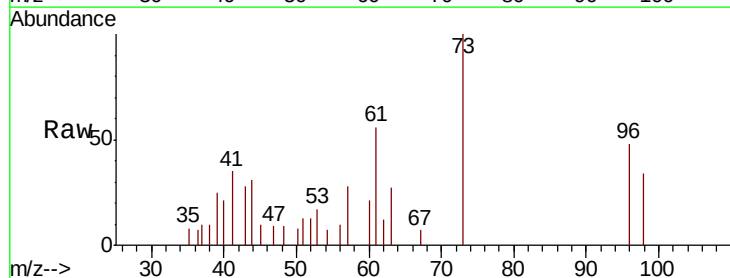
Manual Integrations
APPROVED

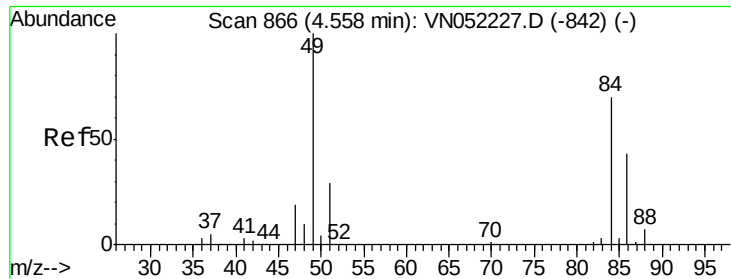
MMDadoda
11/12/2018 9:18:28 AM



#19
Methyl tert-butyl Ether
Concen: 1.033 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 73 Resp: 8116
Ion Ratio Lower Upper
73 100
57 28.4 19.1 28.7





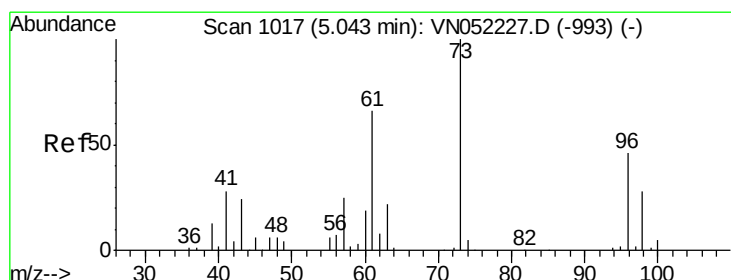
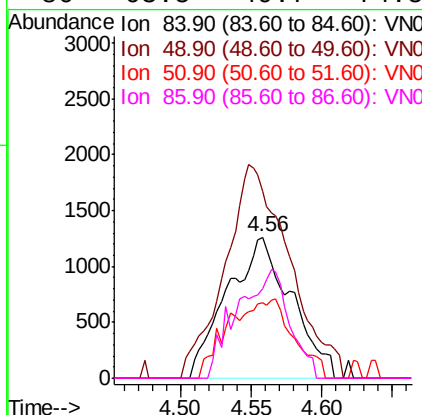
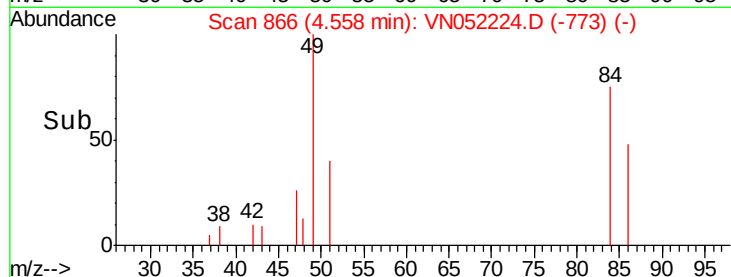
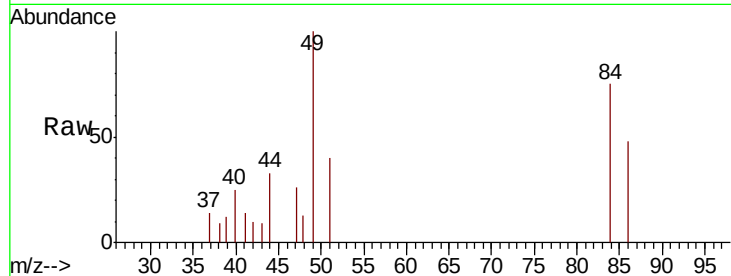
#20
Methvlene Chloride
Concen: 1.218 ug/l m
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
84	100		
49	132.8	114.8	172.2
51	53.4	33.1	49.7#
86	63.5	49.7	74.5

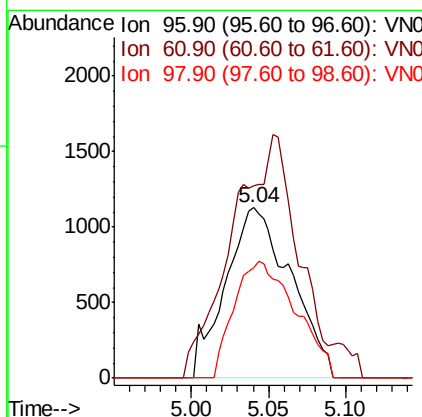
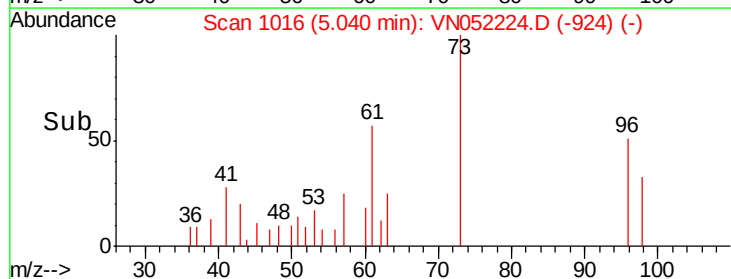
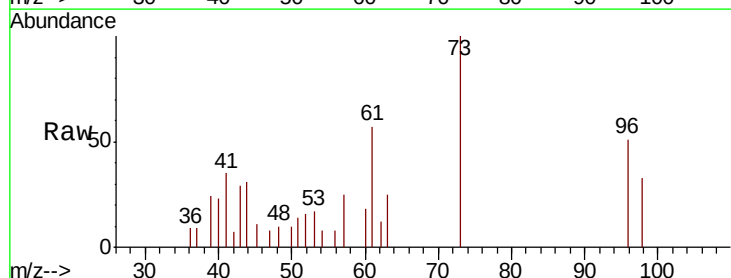
Manual Integrations
APPROVED

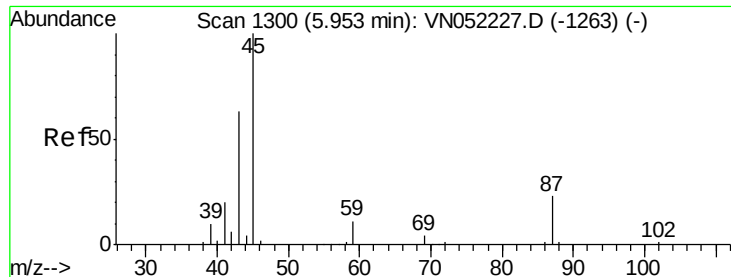
MMDadoda
11/12/2018 9:18:28 AM



#21
trans-1,2-Dichloroethene
Concen: 1.113 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	97.5	115.3	172.9#
98	64.6	49.5	74.3





#22

Diisopropyl ether

Concen: 1.112 ug/l m

RT: 5.96 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

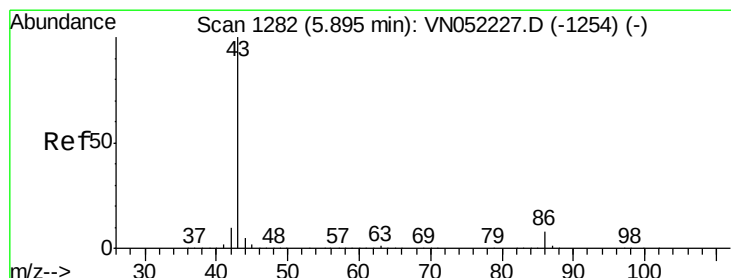
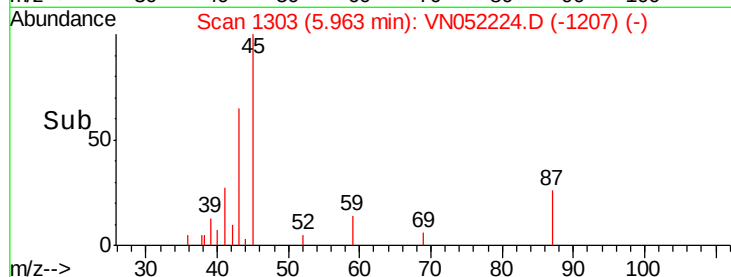
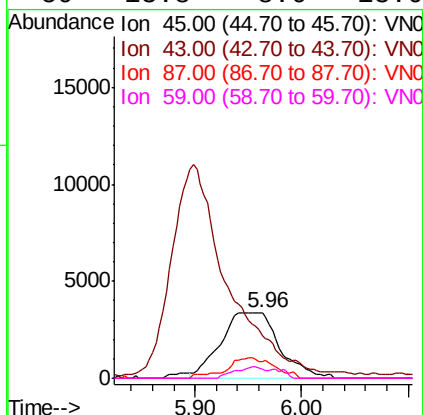
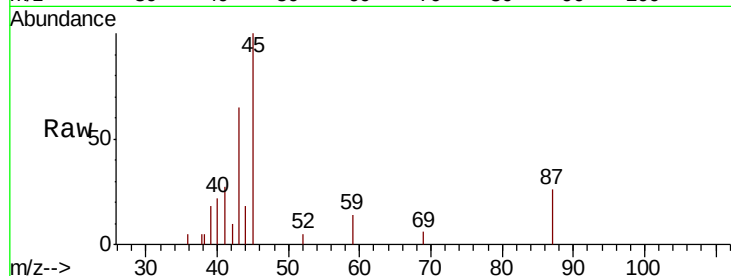
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	12897
Ion	Ratio	Lower	Upper
45	100		
43	64.8	50.6	76.0
87	26.0	19.0	28.4
59	13.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#23

Vinyl Acetate

Concen: 4.930 ug/l

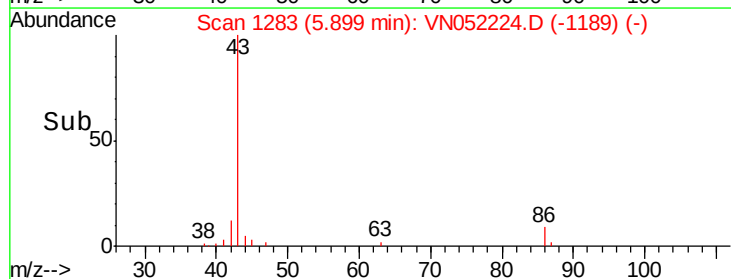
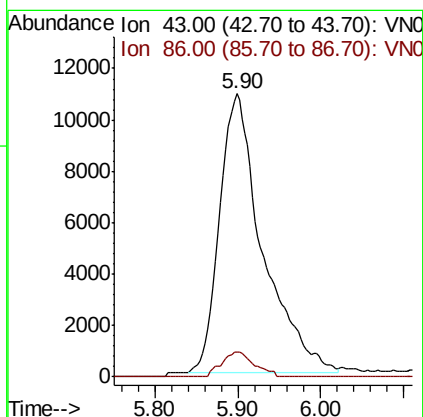
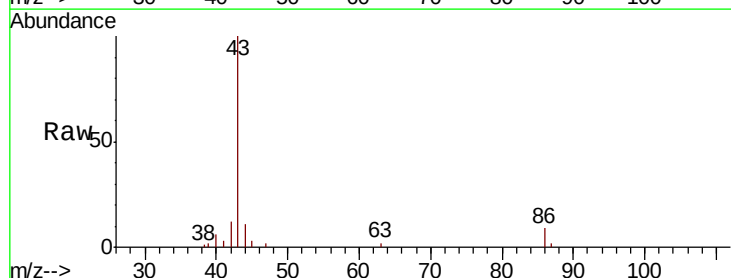
RT: 5.90 min Scan# 1283

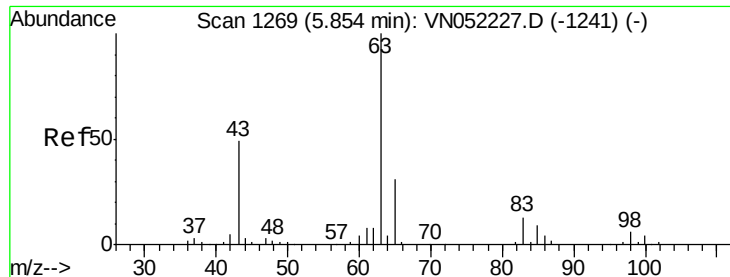
Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	43	Resp:	39031
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.7	10.1





#24

1,1-Dichloroethane

Concen: 1.167 ug/l m

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

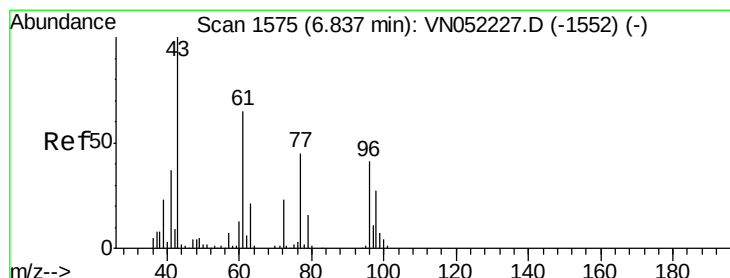
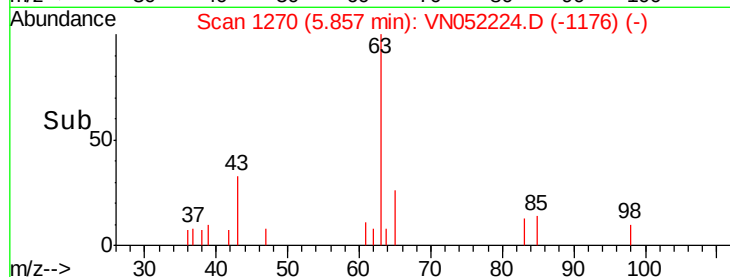
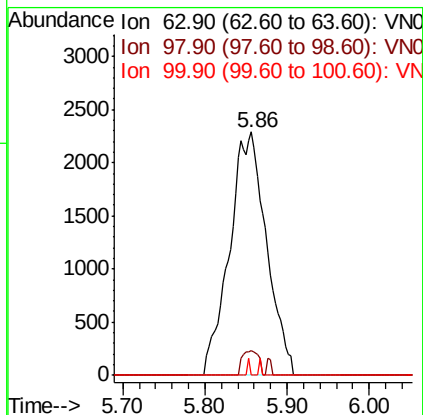
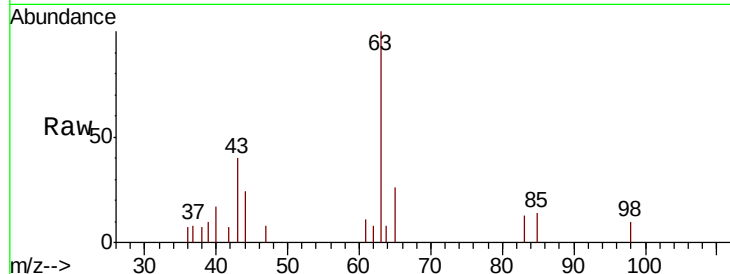
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	7111
Ion	Ratio	Lower	Upper
63	100		
98	10.0	2.9	8.6#
100	0.0	2.1	6.2#

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#25

2-Butanone

Concen: 5.968 ug/l

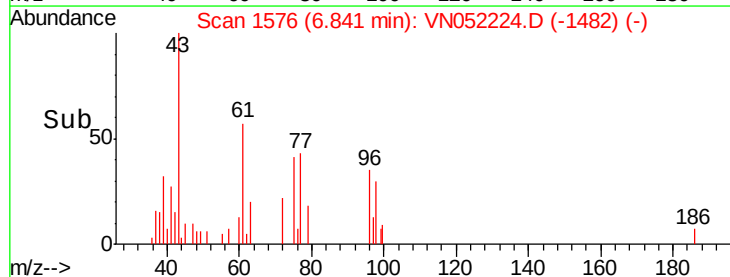
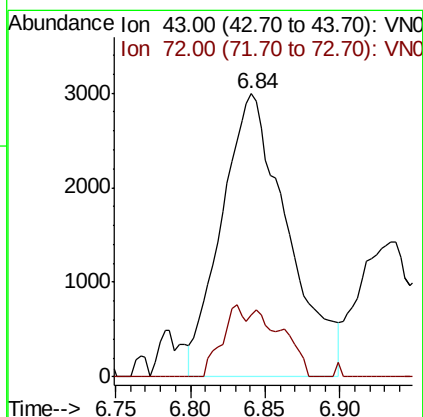
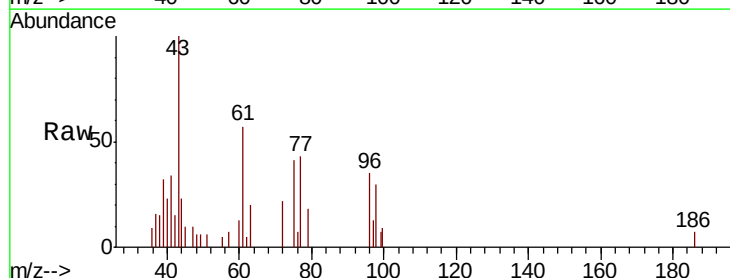
RT: 6.84 min Scan# 1576

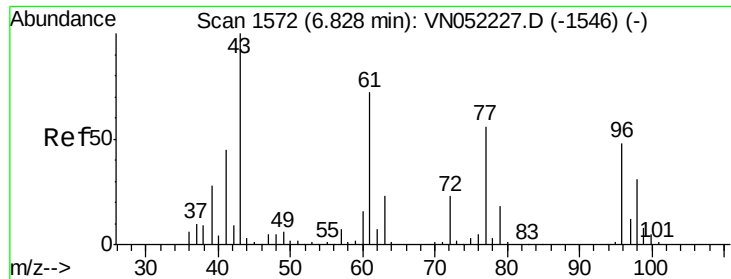
Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	43	Resp:	9155
Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.6	27.8





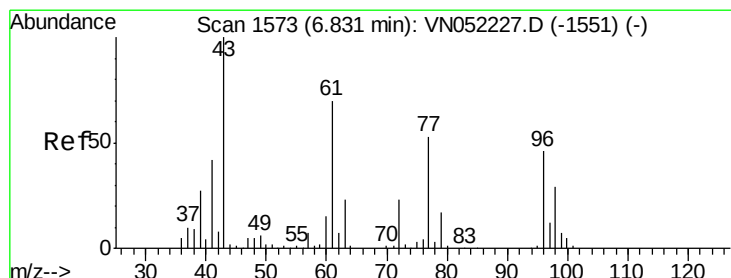
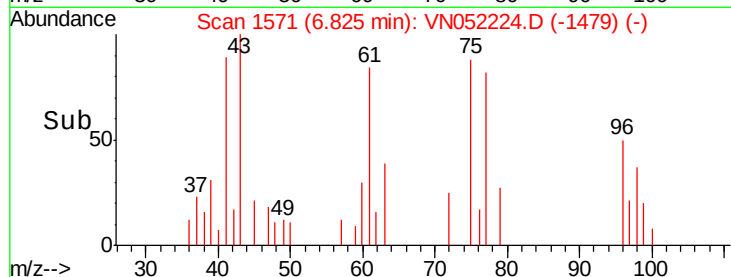
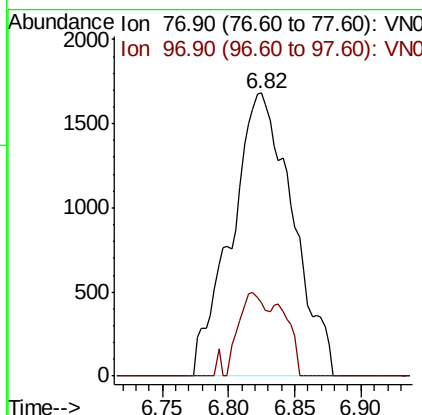
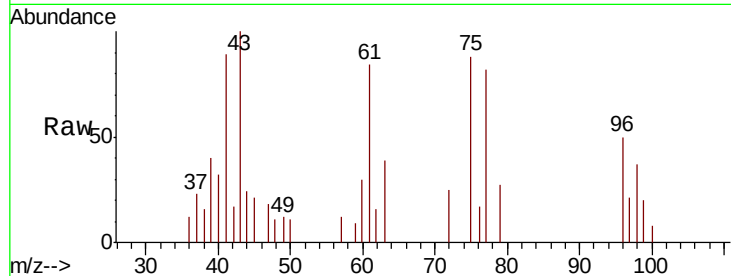
#26
 2,2-Dichloropropane
 Concen: 1.216 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 5413
 Ion Ratio Lower Upper
 77 100
 97 13.8 11.2 33.5

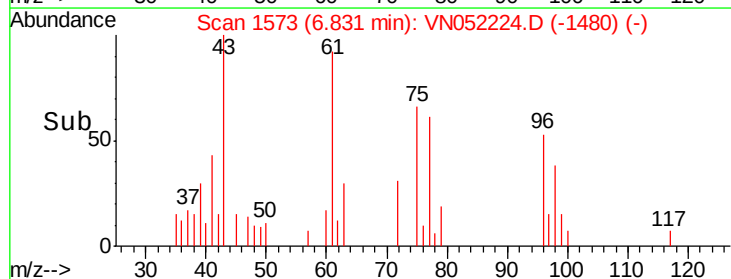
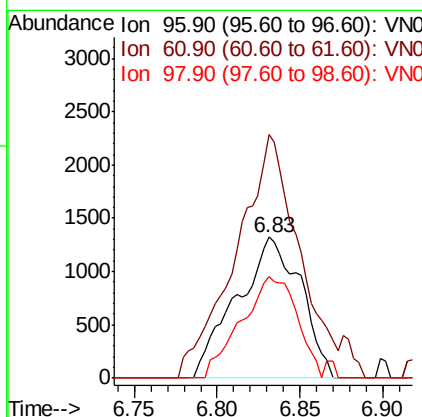
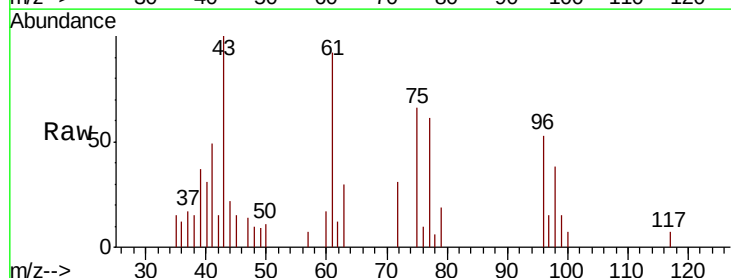
Manual Integrations
 APPROVED

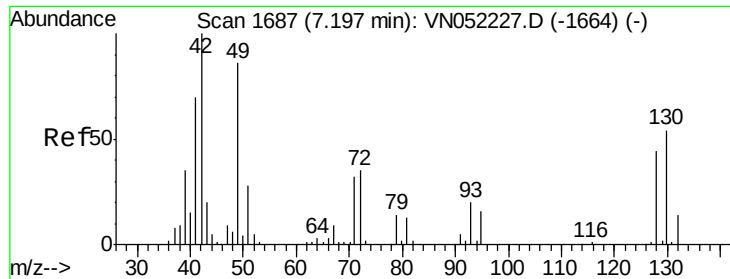
MMDadoda
 11/12/2018 9:18:28 AM



#27
 cis-1,2-Dichloroethene
 Concen: 1.061 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion: 96 Resp: 3547
 Ion Ratio Lower Upper
 96 100
 61 169.6 0.0 313.4
 98 62.6 0.0 129.8





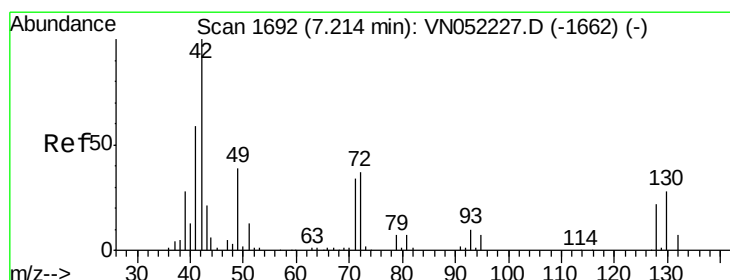
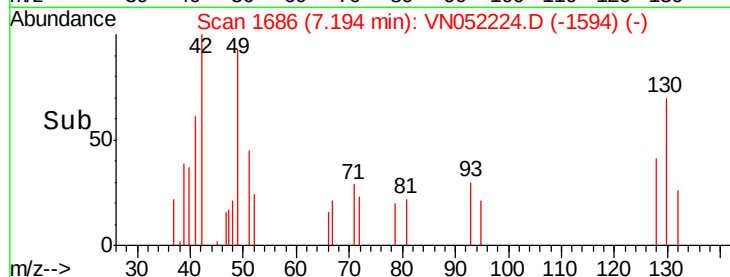
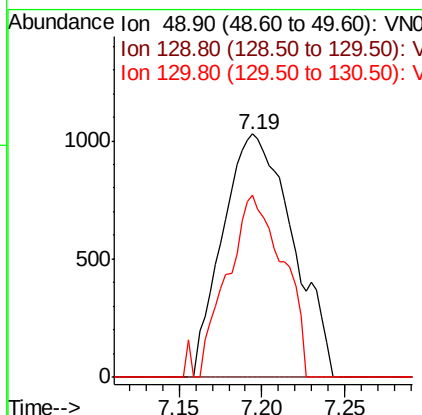
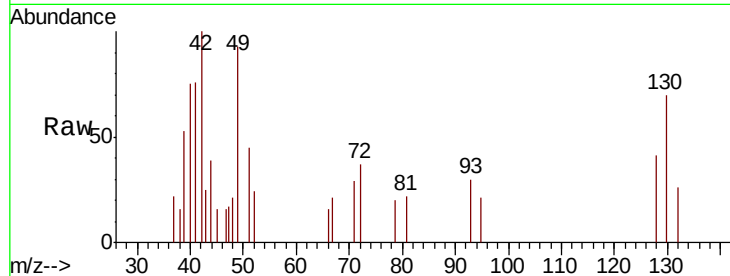
#28
Bromochloromethane
Concen: 1.002 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	59.4	51.4	77.2

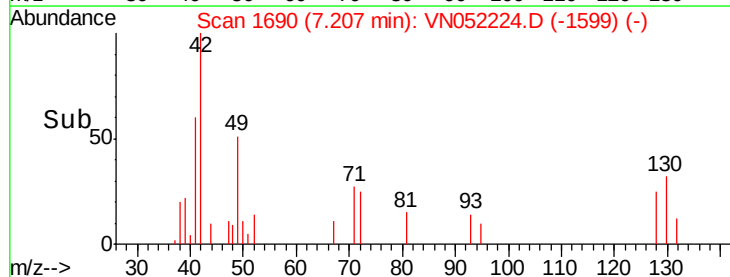
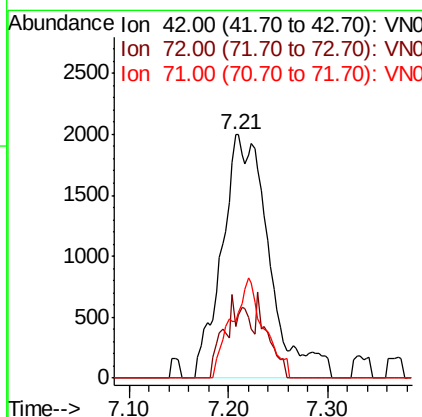
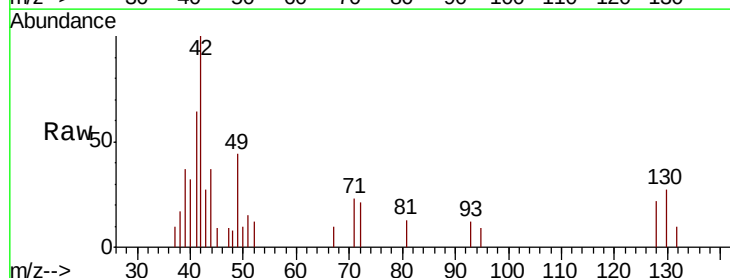
Manual Integrations
APPROVED

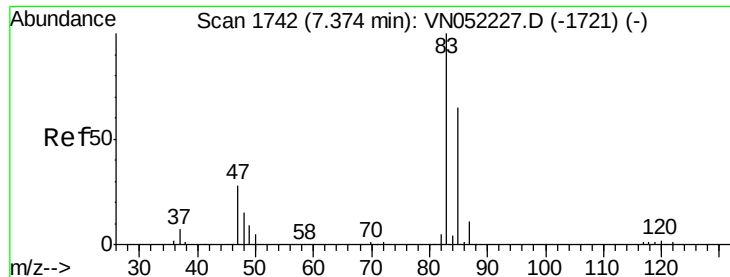
MMDadoda
11/12/2018 9:18:28 AM



#29
Tetrahydrofuran
Concen: 6.596 ug/l m
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	8.9	28.6	43.0#
71	0.0	27.1	40.7#





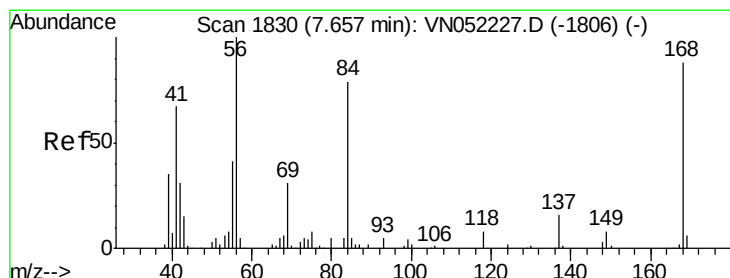
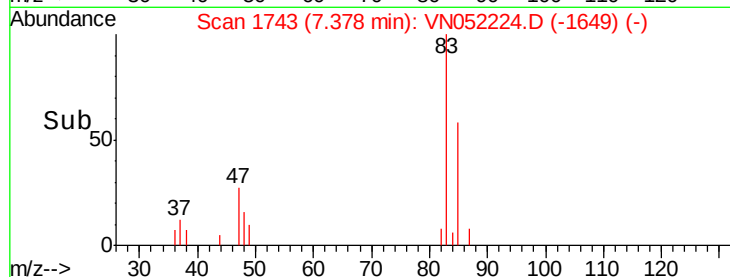
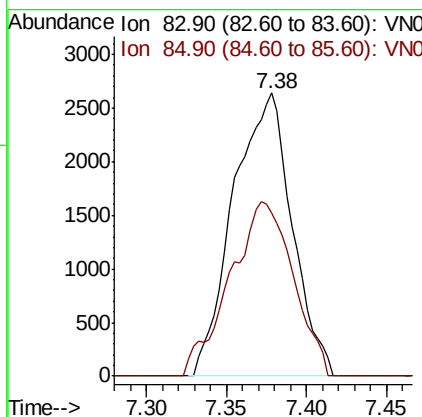
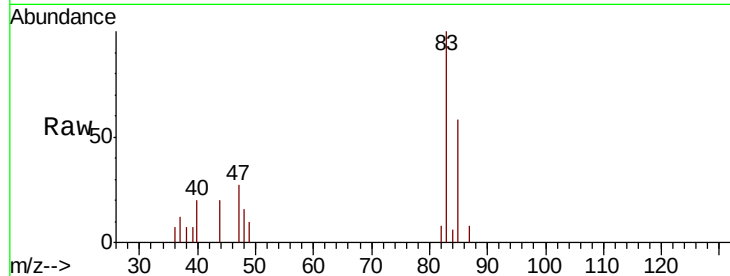
#30
Chloroform
Concen: 1.154 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 6653
Ion Ratio Lower Upper
83 100
85 57.8 51.8 77.6

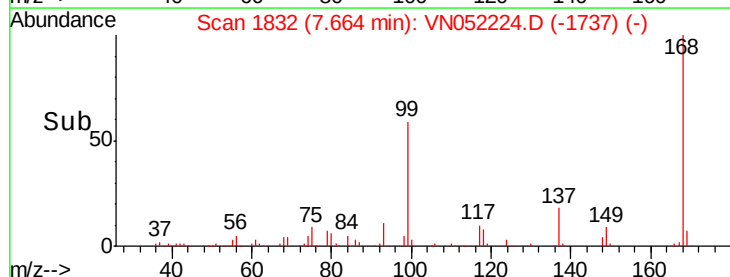
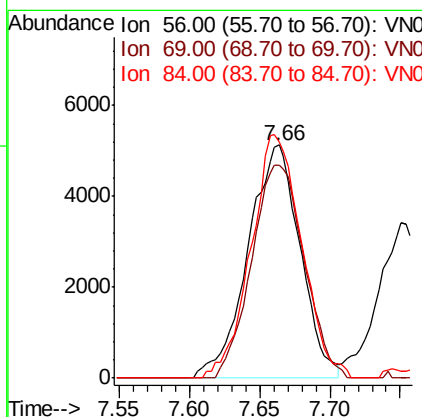
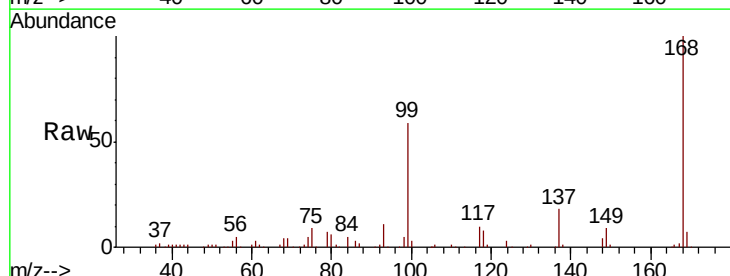
Manual Integrations
APPROVED

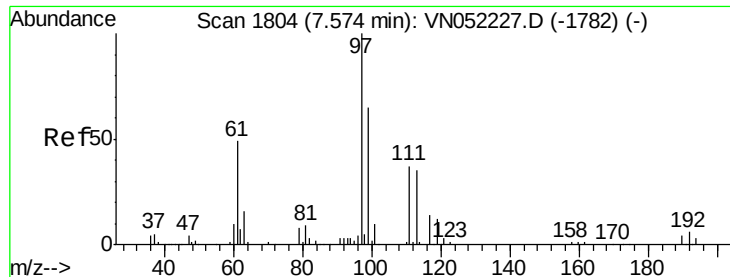
MMDadoda
11/12/2018 9:18:28 AM



#31
Cyclohexane
Concen: 1.873 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 56 Resp: 13244
Ion Ratio Lower Upper
56 100
69 91.2 24.8 37.2#
84 101.3 63.1 94.7#





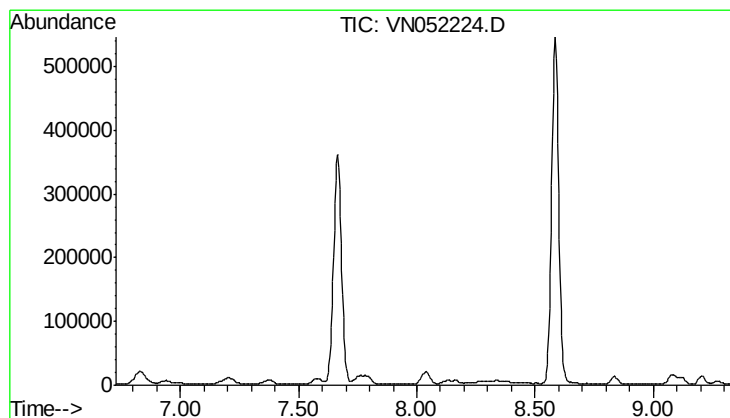
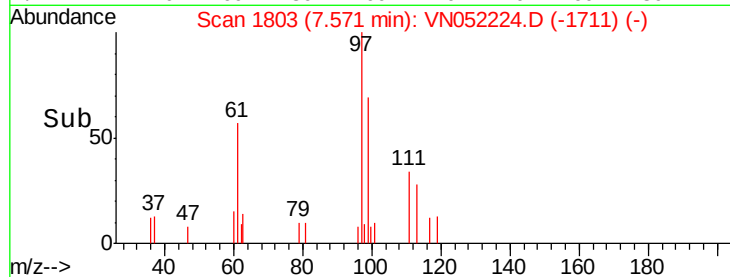
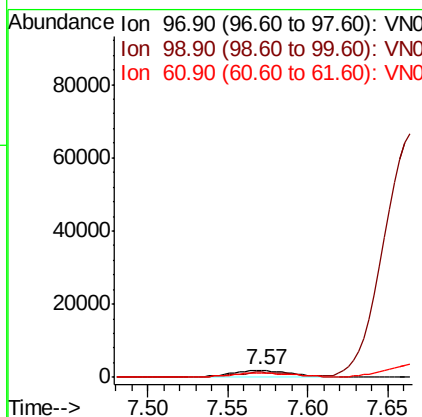
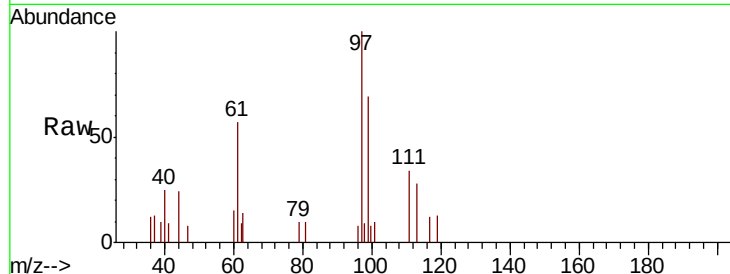
#32
 1,1,1-Trichloroethane
 Concen: 1.059 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.9	77.9#	
61	28.5	40.2	60.4#	

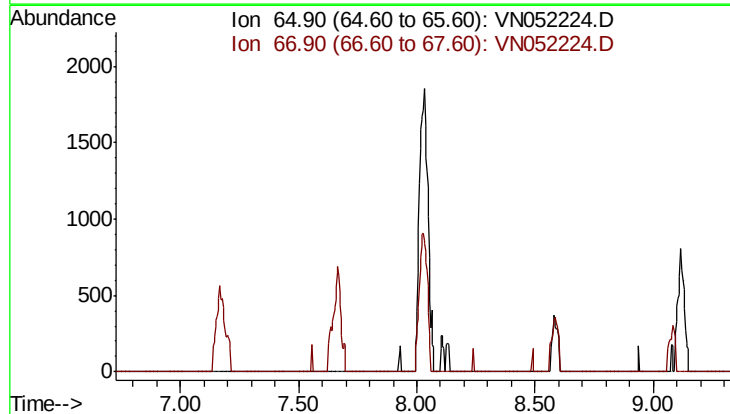
Manual Integrations
 APPROVED

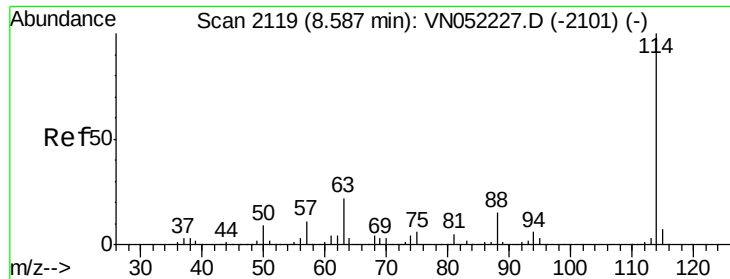
MMDadoda
 11/12/2018 9:18:28 AM



#33
 1,2-Dichloroethane-d4
 Concen: 1.059 ug/l
 Expected RT: 8.03 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.3	





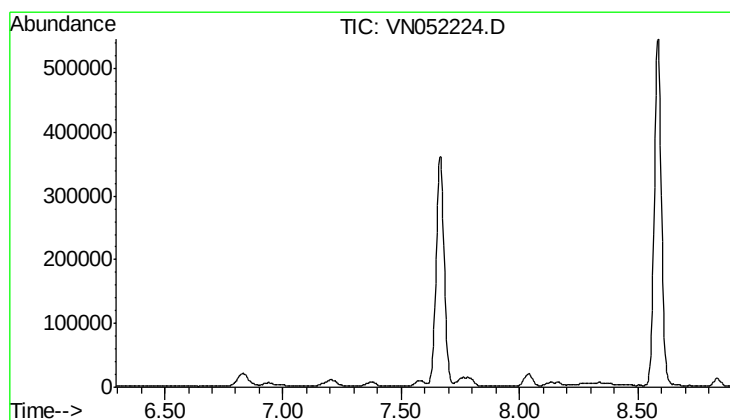
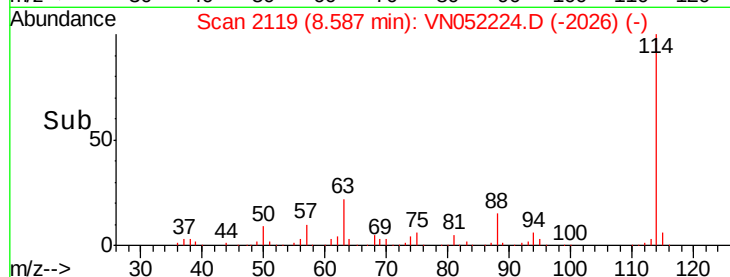
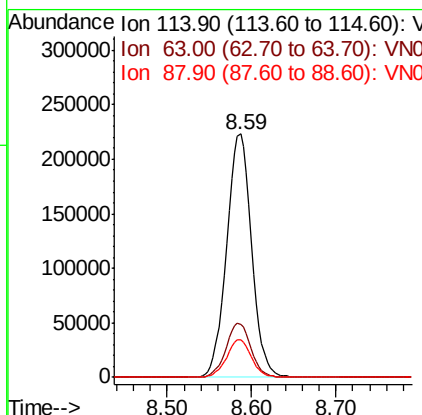
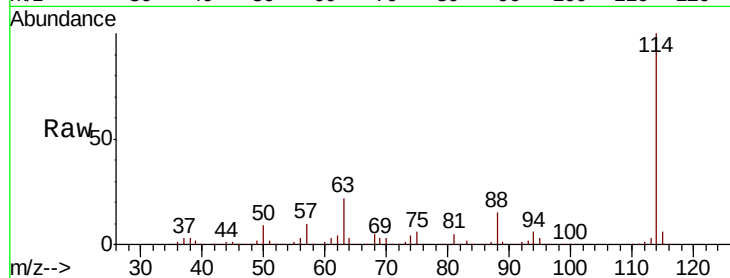
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.0	0.0	43.4
88	15.2	0.0	30.2

Manual Integrations
 APPROVED

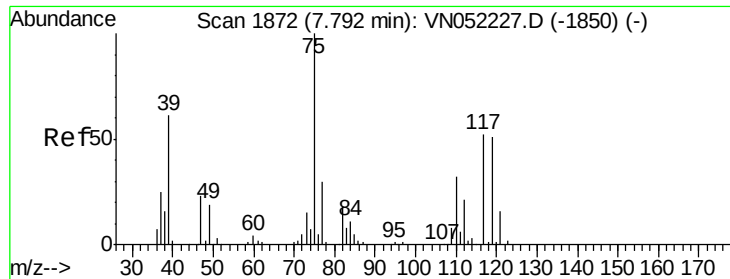
MMDadoda
 11/12/2018 9:18:28 AM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Sig	Exp Ratio
113	100	
111	100.3	
192	17.6	





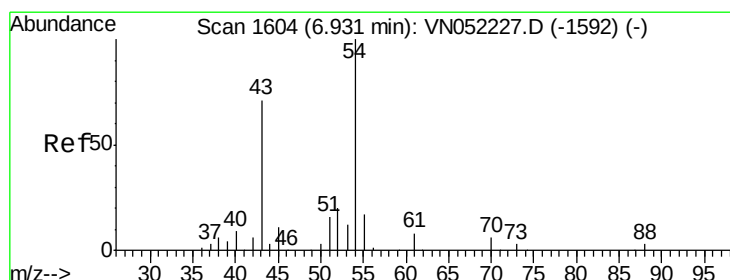
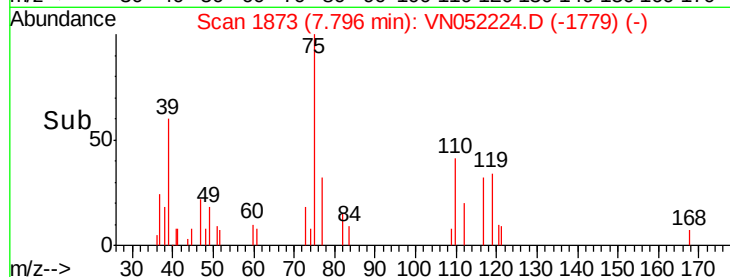
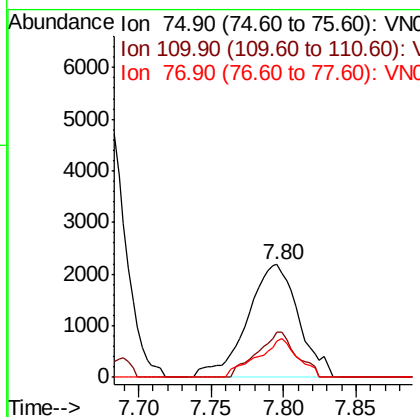
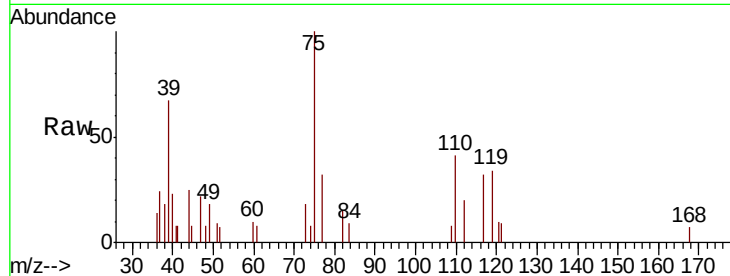
#36
 1,1-Dichloropropene
 Concen: 1.159 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.9	16.4	49.4
77	27.0	23.9	35.9

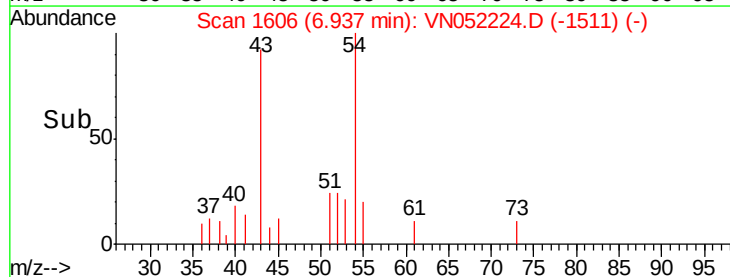
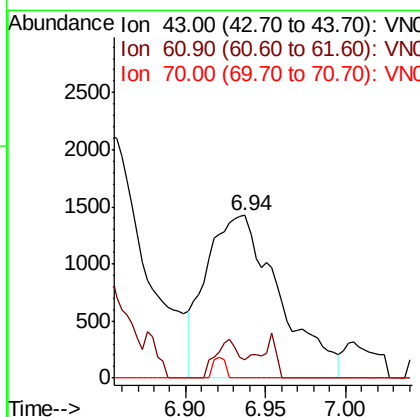
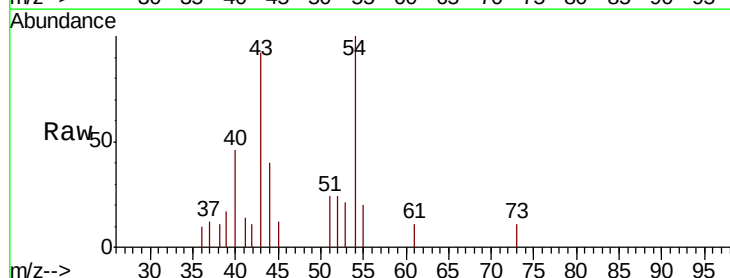
Manual Integrations
 APPROVED

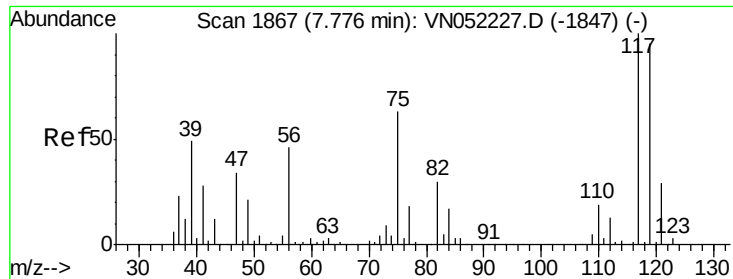
MMDadoda
 11/12/2018 9:18:28 AM



#37
 Ethyl Acetate
 Concen: 1.258 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.9	10.0	15.0#
70	2.1	6.9	10.3#





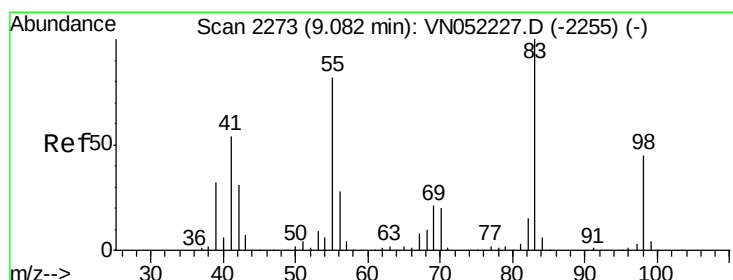
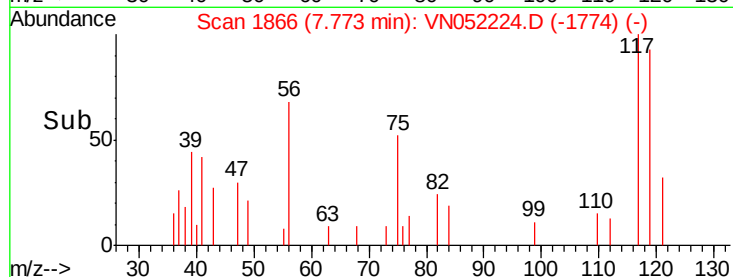
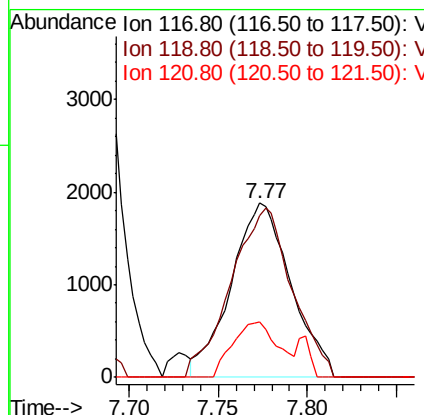
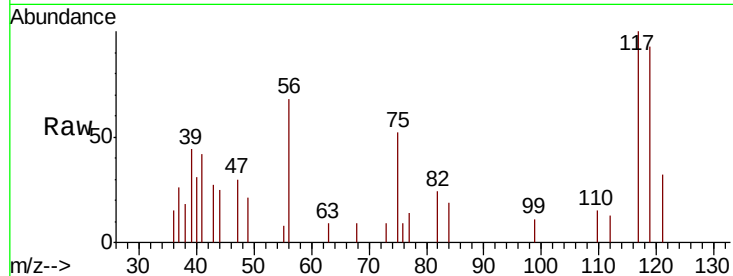
#38
Carbon Tetrachloride
Concen: 1.049 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 4400
Ion Ratio Lower Upper
117 100
119 93.0 75.8 113.8
121 31.7 23.4 35.2

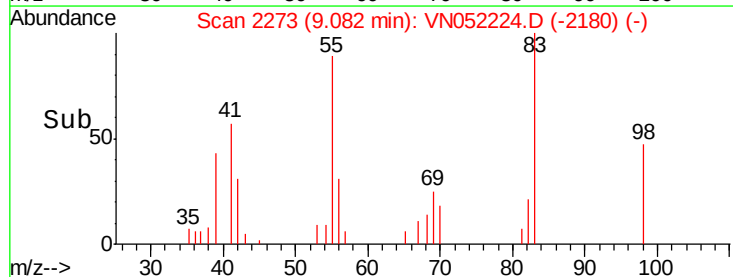
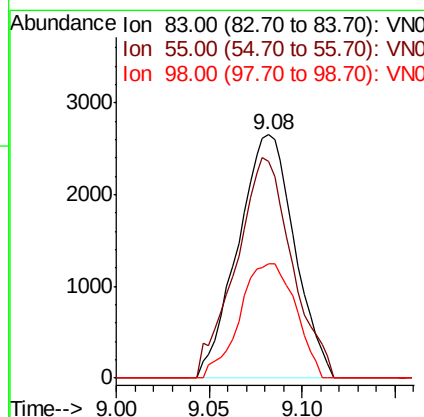
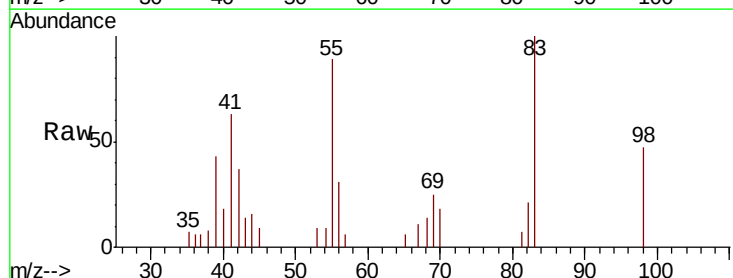
Manual Integrations
APPROVED

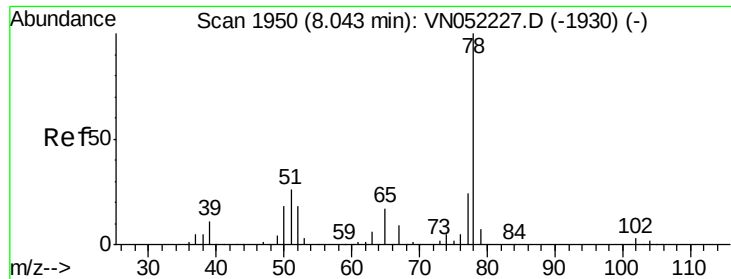
MMDadoda
11/12/2018 9:18:28 AM



#39
Methylcyclohexane
Concen: 1.064 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 83 Resp: 5616
Ion Ratio Lower Upper
83 100
55 89.2 65.2 97.8
98 47.1 36.3 54.5





#40

Benzene

Concen: 1.127 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 14934

Ion Ratio Lower Upper

78 100

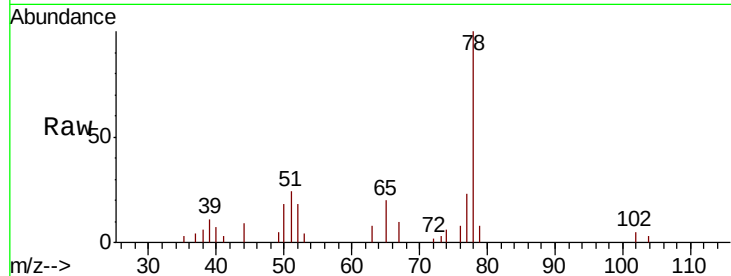
77 22.6 19.2 28.8

Manual Integrations

APPROVED

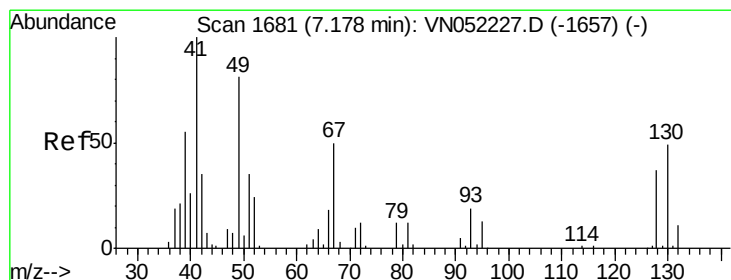
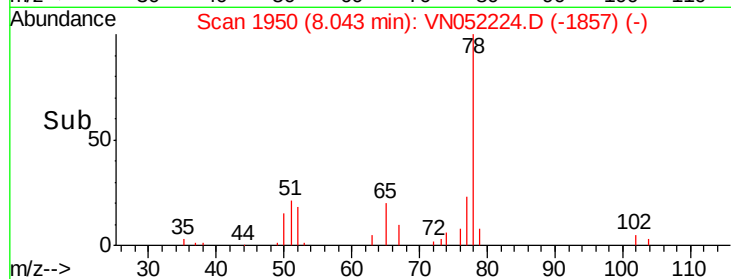
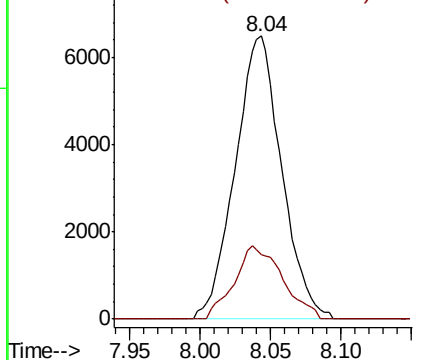
MMDadoda

11/12/2018 9:18:28 AM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 1.255 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion: 41 Resp: 2540

Ion Ratio Lower Upper

41 100

39 15.0 47.8 71.6#

67 49.5 54.3 81.5#

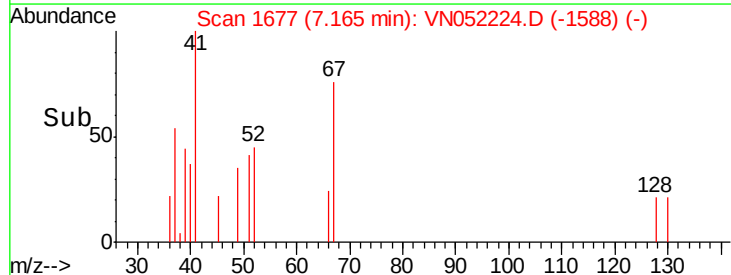
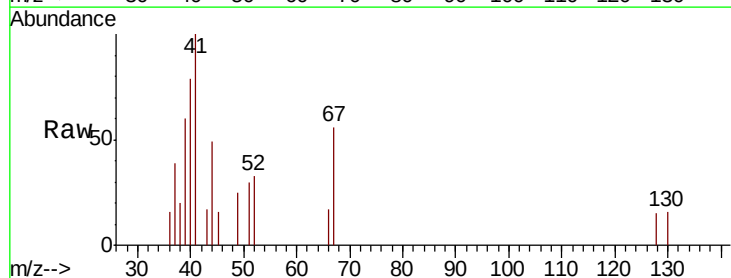
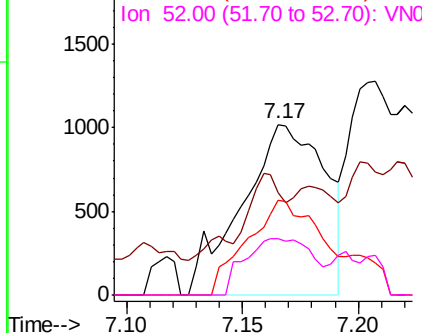
52 26.6 26.2 39.4

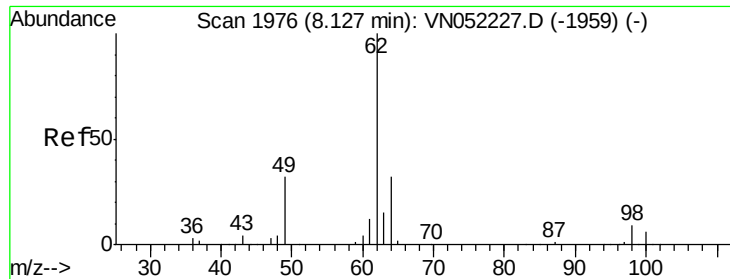
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





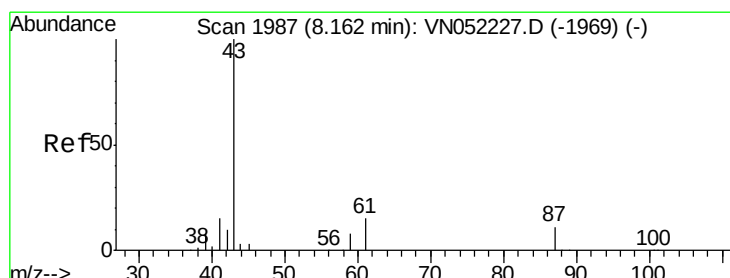
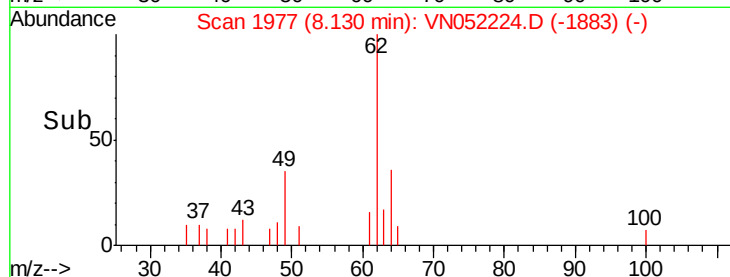
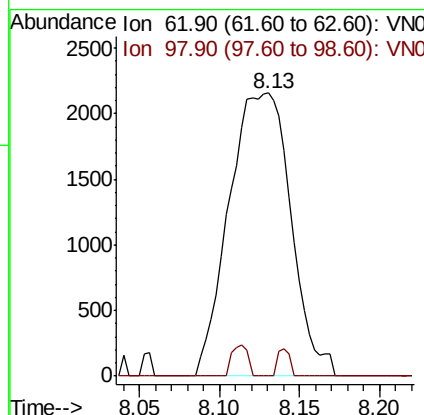
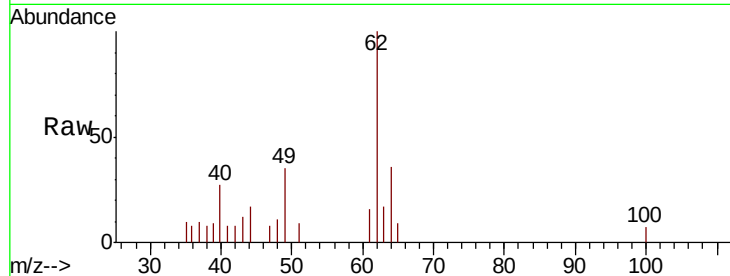
#42
 1,2-Dichloroethane
 Concen: 1.230 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	1.9	0.0	16.4

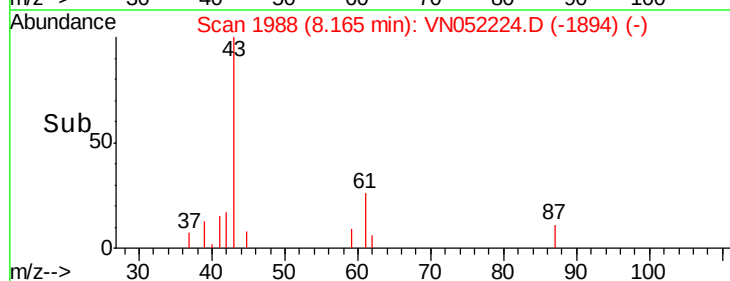
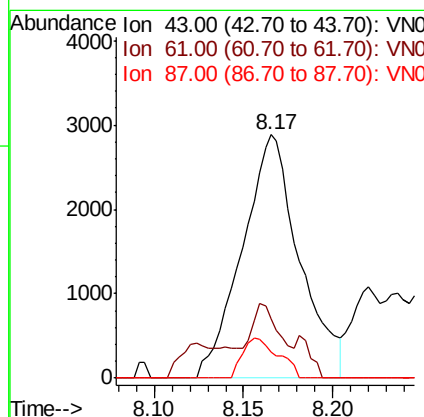
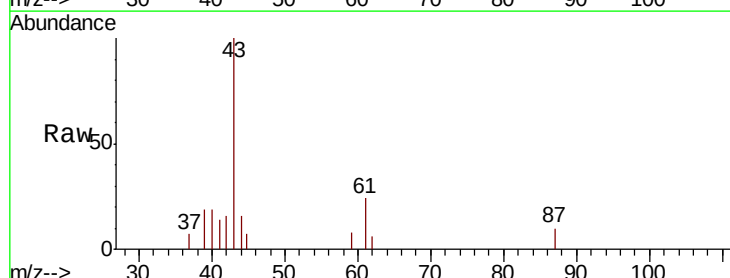
Manual Integrations
 APPROVED

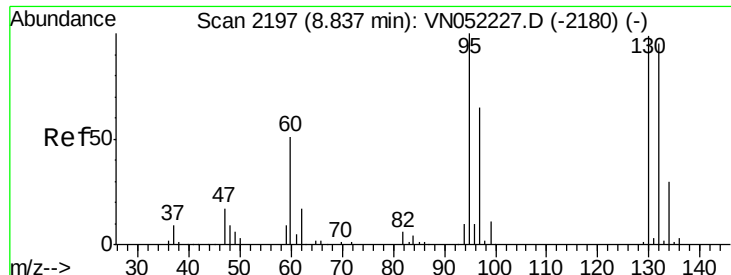
MMDadoda
 11/12/2018 9:18:28 AM



#43
 Isopropyl Acetate
 Concen: 1.066 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	8.2	14.2	21.4#
87	10.2	8.4	12.6





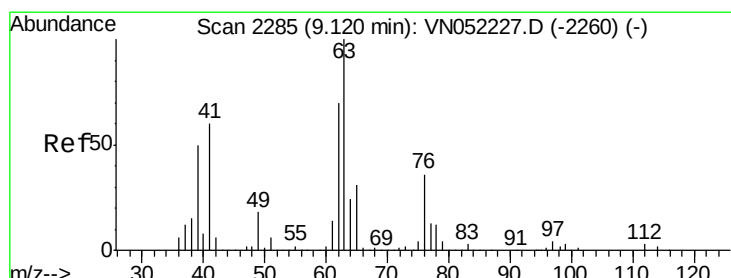
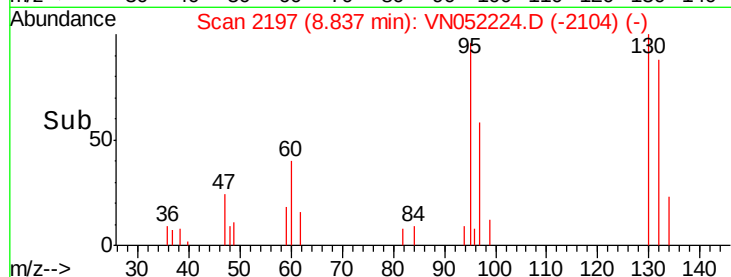
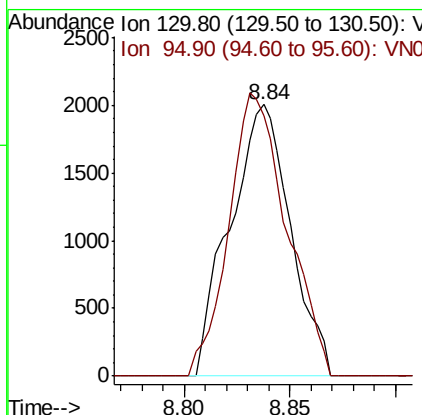
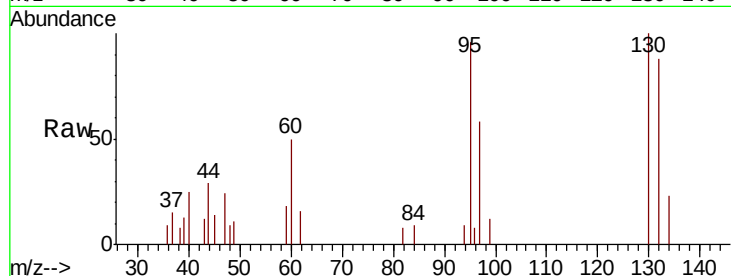
#44
 Trichloroethene
 Concen: 1.203 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 3997
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 201.6

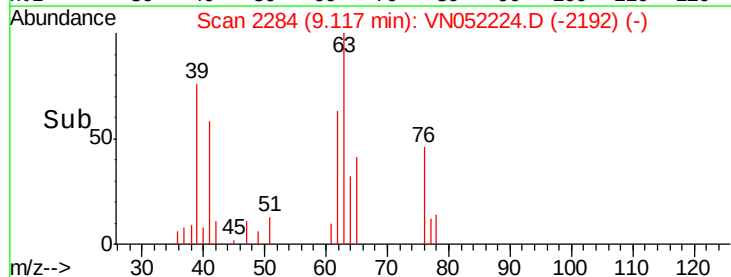
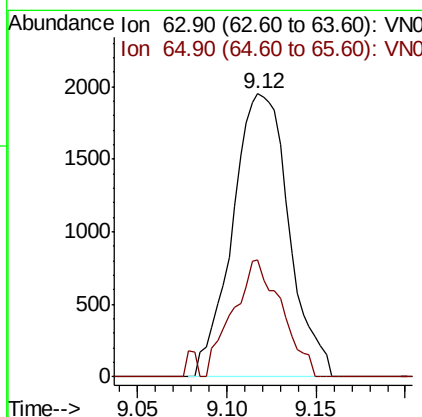
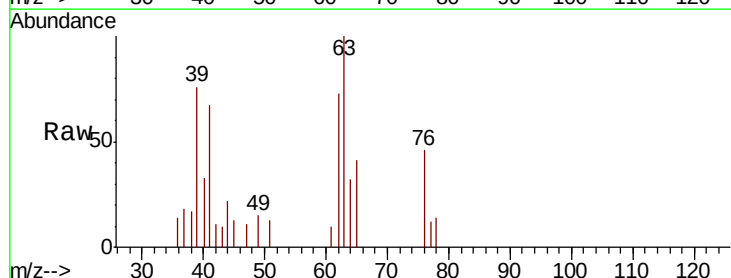
Manual Integrations
 APPROVED

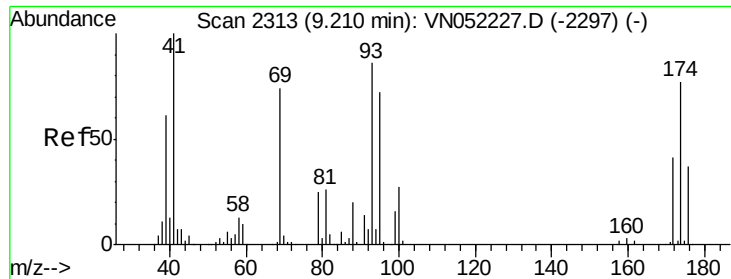
MMDadoda
 11/12/2018 9:18:28 AM



#45
 1,2-Dichloropropane
 Concen: 1.161 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion: 63 Resp: 4299
 Ion Ratio Lower Upper
 63 100
 65 41.4 24.8 37.2#





#46

Dibromomethane

Concen: 1.075 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 2286

Ion Ratio Lower Upper

93 100

95 94.4 67.0 100.4

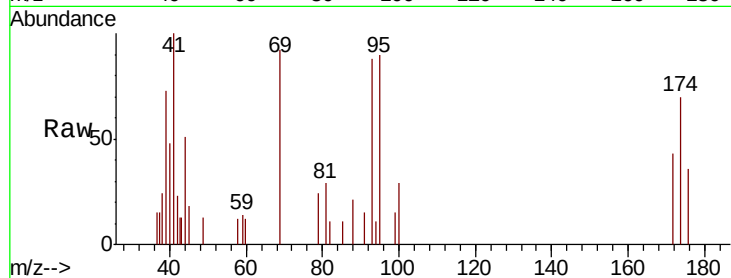
174 87.4 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

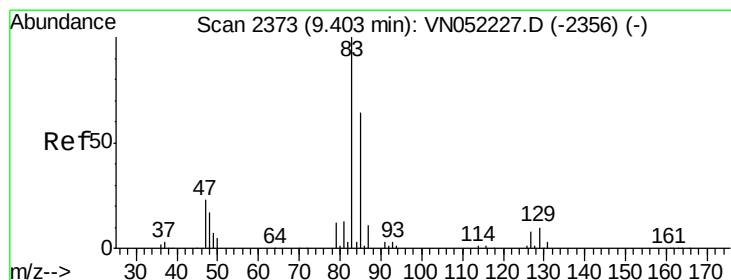
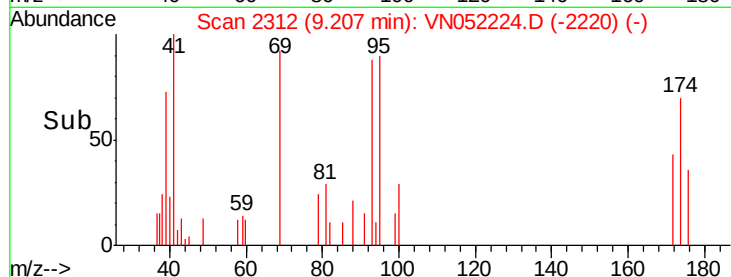
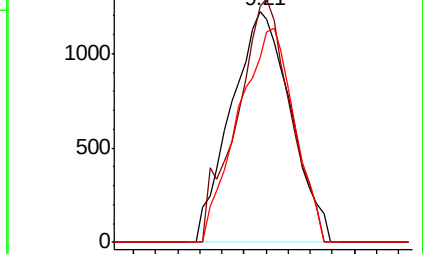
11/12/2018 9:18:28 AM



Abundance Ion 92.80 (92.50 to 93.50): VN052227.D (-2297) (-)

Ion 94.80 (94.50 to 95.50): VN052227.D (-2297) (-)

Ion 173.70 (173.40 to 174.40): VN052227.D (-2297) (-)



#47

Bromodichloromethane

Concen: 1.158 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

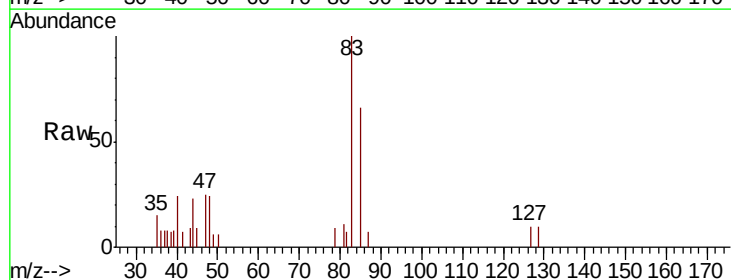
Tgt Ion: 83 Resp: 5103

Ion Ratio Lower Upper

83 100

85 65.5 51.2 76.8

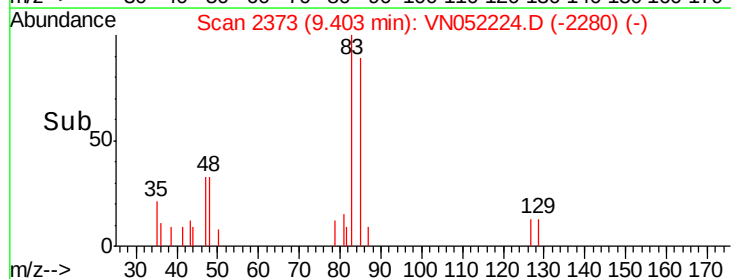
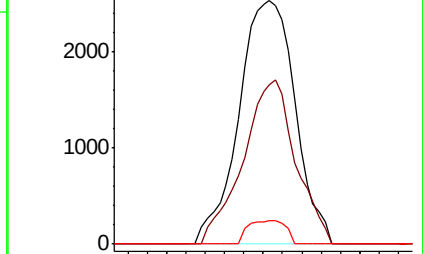
127 9.6 6.2 9.4#

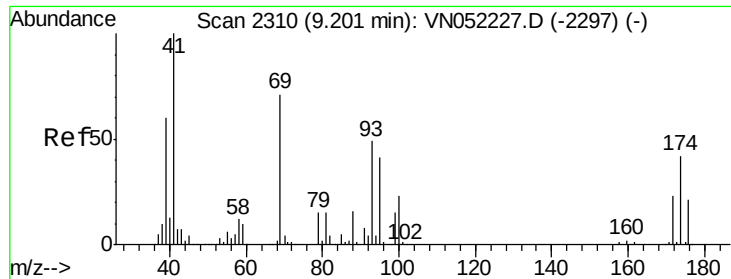


Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052227.D (-2356) (-)





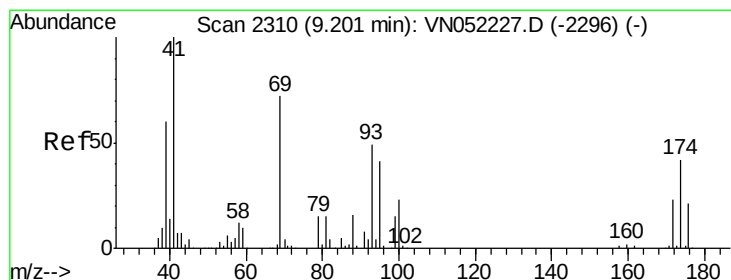
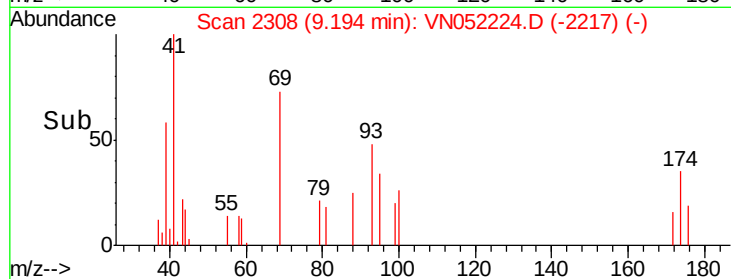
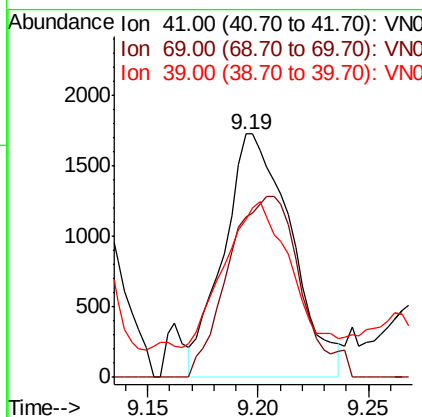
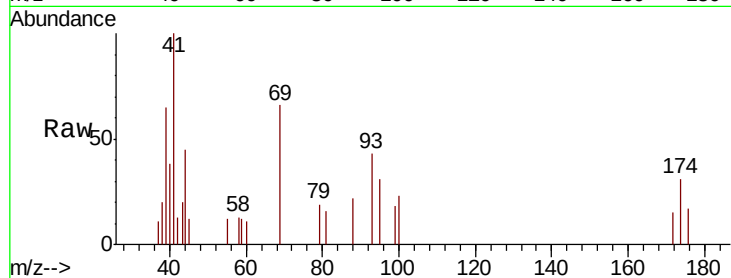
#48
Methvl methacrylate
Concen: 1.144 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	79.1	58.8	88.2
39	56.5	50.7	76.1

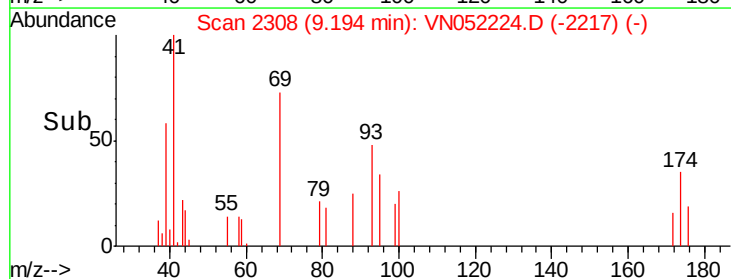
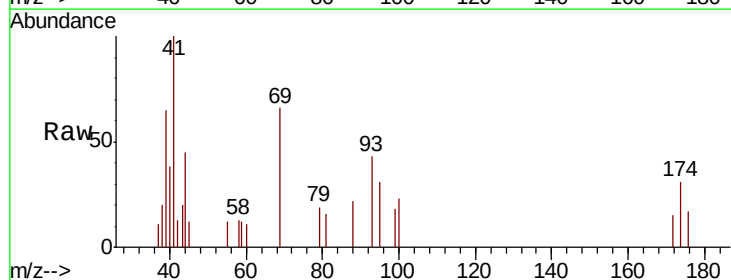
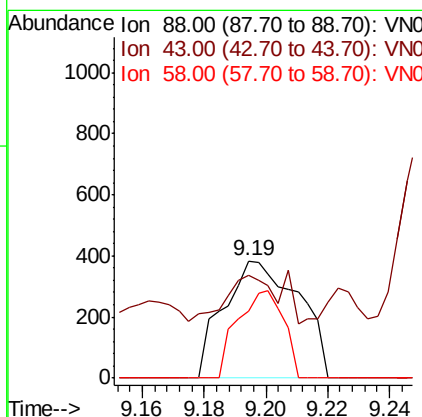
Manual Integrations
APPROVED

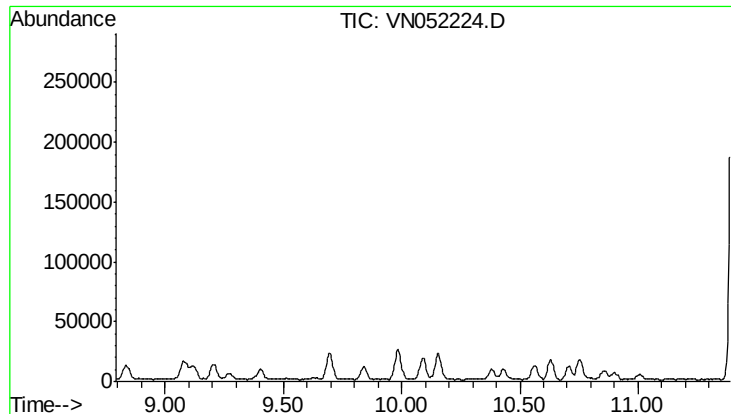
MMDadoda
11/12/2018 9:18:28 AM



#49
1,4-Dioxane
Concen: 25.247 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.2	32.5	48.7#
58	45.5	58.2	87.4#





#50
Toluene-d8
Concen: 25.247 ug/l
Expected RT: 10.09 min

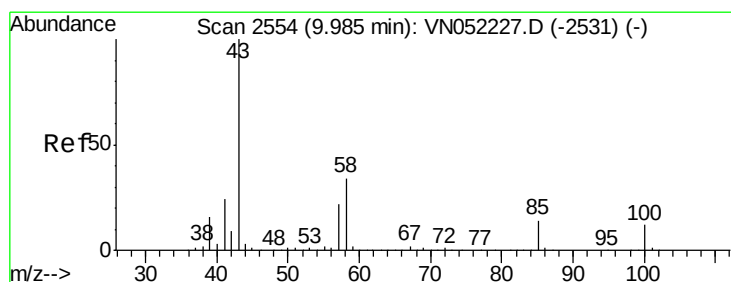
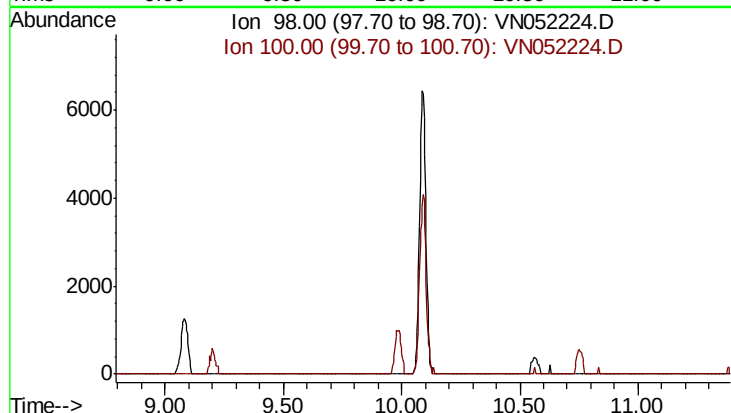
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tot Ion: 98
Sig Exp Ratio
98 100
100 62.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

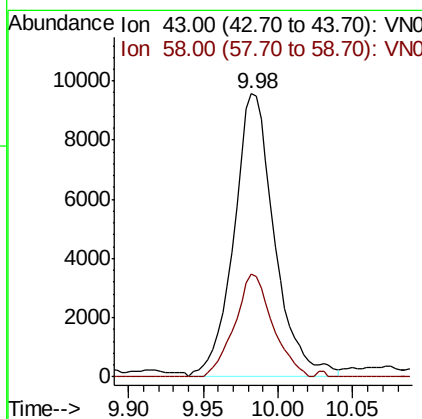
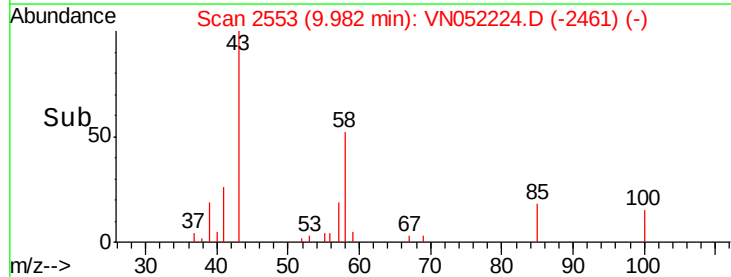
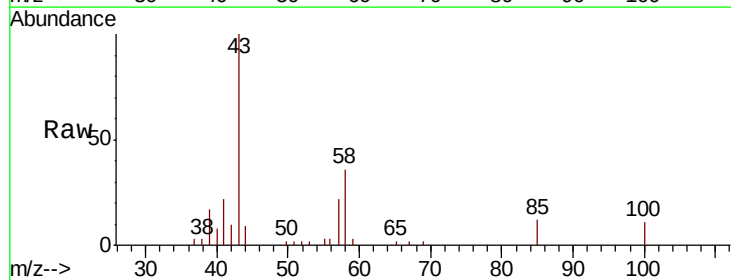
Manual Integrations
APPROVED

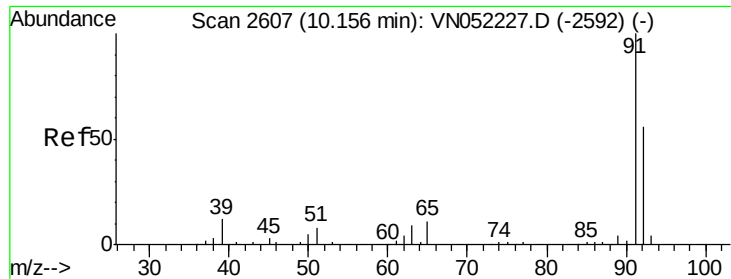
MMDadoda
11/12/2018 9:18:28 AM



#51
4-Methyl-2-Pentanone
Concen: 5.416 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 43 Resp: 18153
Ion Ratio Lower Upper
43 100
58 33.9 27.4 41.0





#52

Toluene

Concen: 1.090 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8711

Ion Ratio Lower Upper

92 100

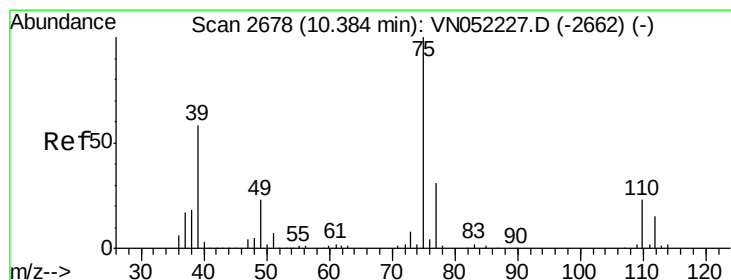
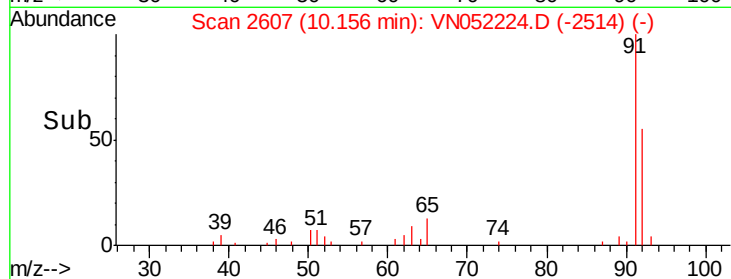
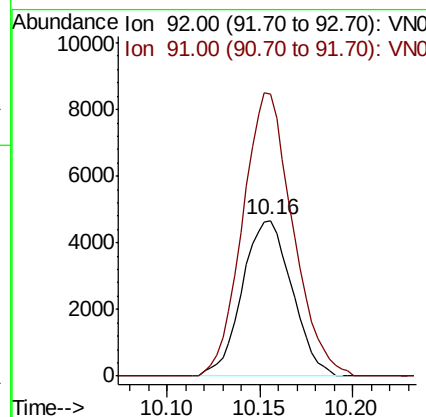
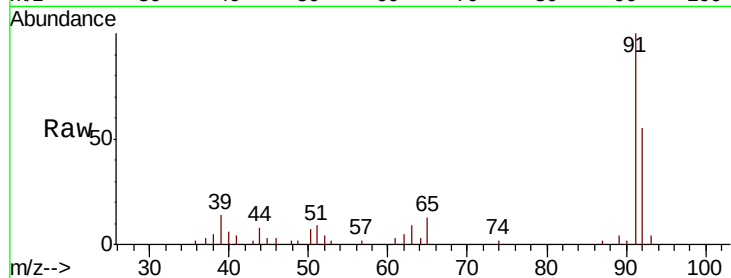
91 183.8 142.5 213.7

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



#53

t-1,3-Dichloropropene

Concen: 0.964 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052224.D

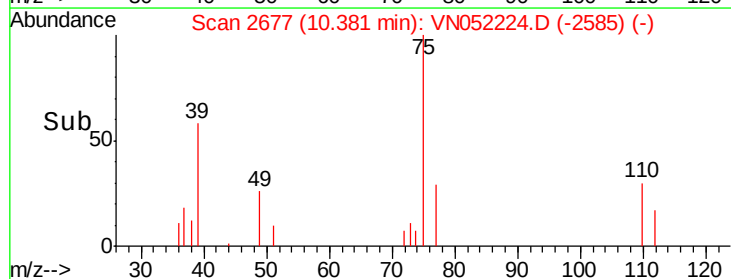
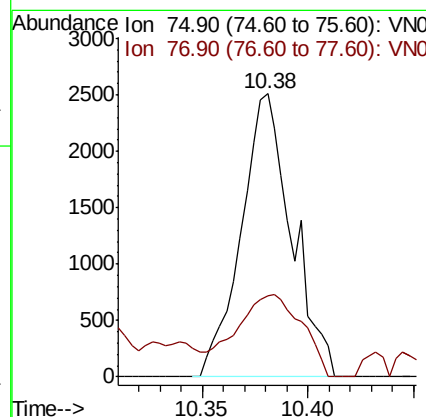
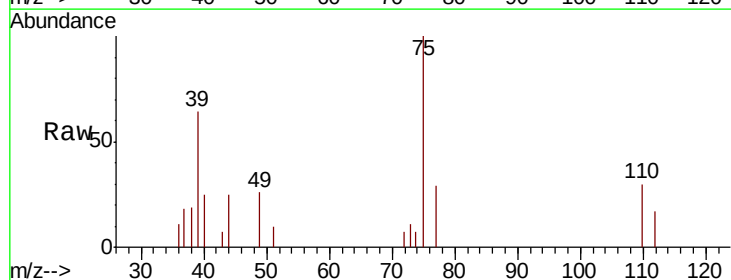
Acq: 9 Nov 2018 13:39

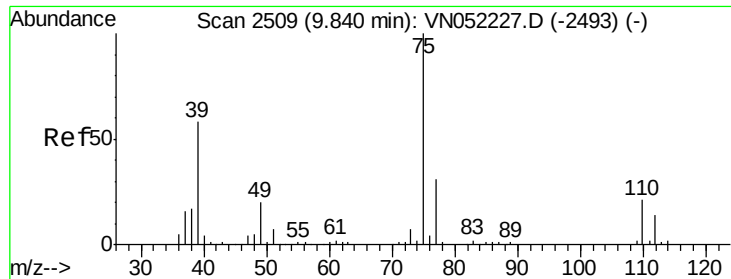
Tgt Ion: 75 Resp: 4193

Ion Ratio Lower Upper

75 100

77 28.7 24.6 36.8





#54

cis-1,3-Dichloropropene

Concen: 1.043 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

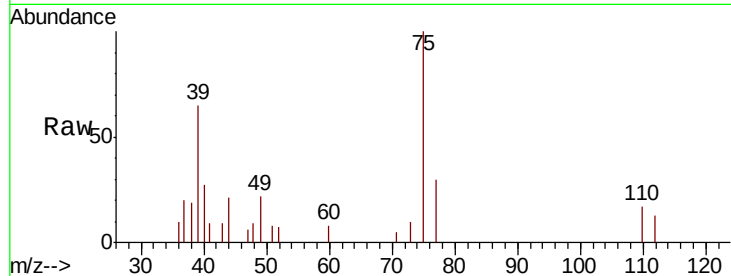
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5353
Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.2	37.8
39	58.3	46.6	70.0

Manual Integrations
APPROVED

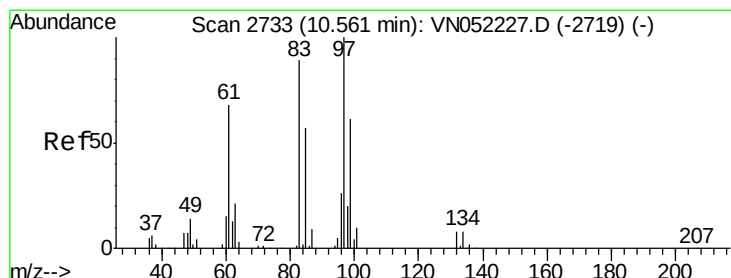
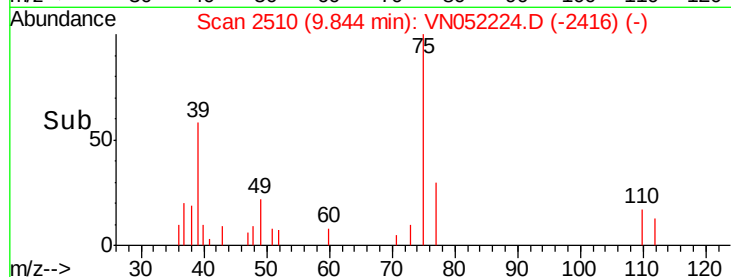
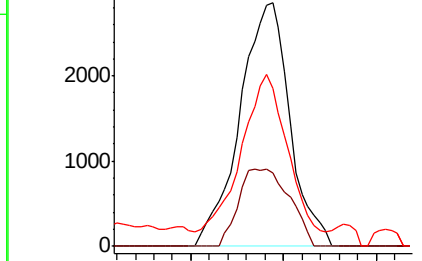
MMDadoda
11/12/2018 9:18:28 AM



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2493) (-)



#55

1,1,2-Trichloroethane

Concen: 1.140 ug/l

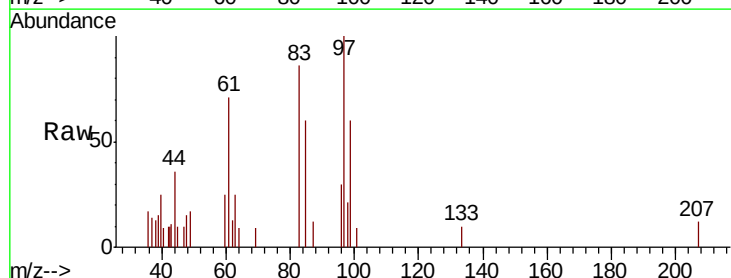
RT: 10.57 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	97	Resp:	3294
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.2	106.8
85	60.1	45.6	68.4
99	59.6	49.1	73.7

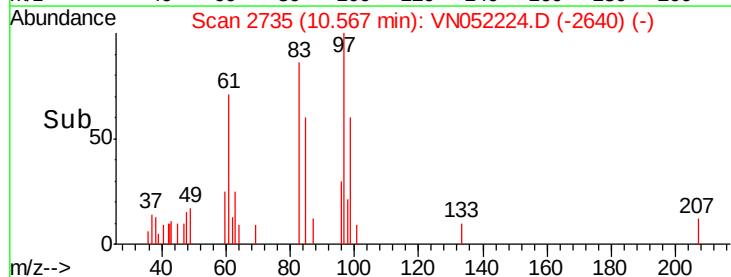
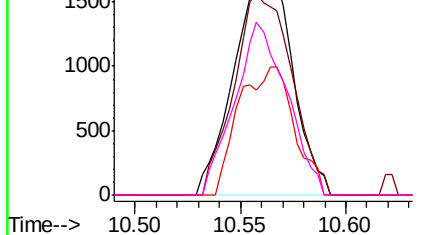


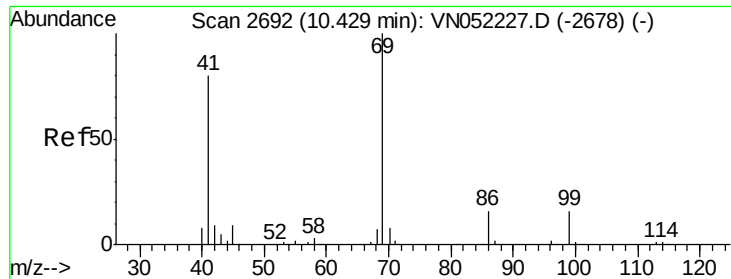
Abundance Ion 96.90 (96.60 to 97.60): VN052227.D (-2719) (-)

Ion 82.90 (82.60 to 83.60): VN052227.D (-2719) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-2719) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-2719) (-)





#56

Ethyl methacrylate

Concen: 1.110 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

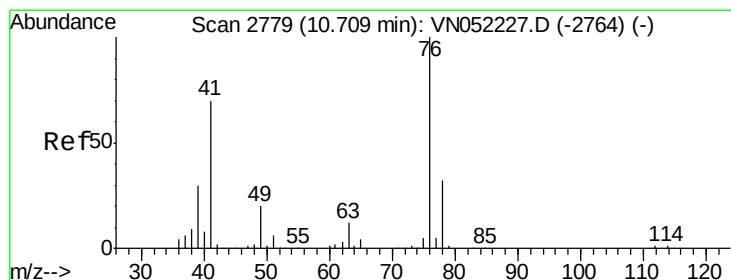
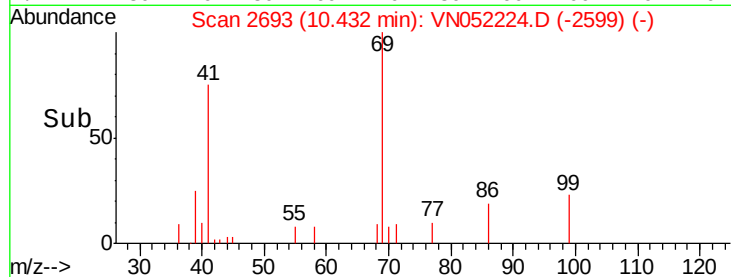
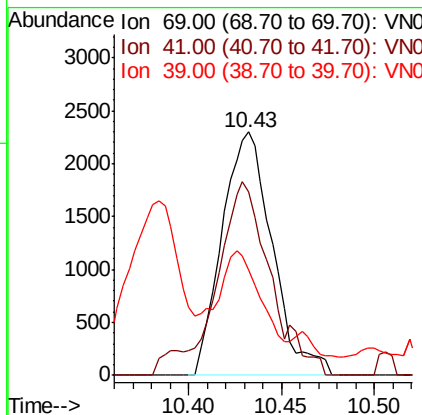
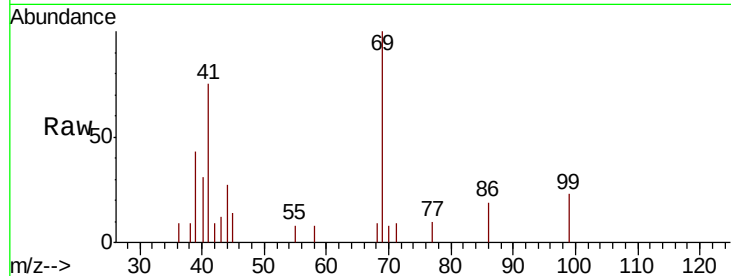
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4337
Ion	Ratio	Lower	Upper
69	100		
41	80.4	64.0	96.0
39	32.2	37.8	56.8#

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#57

1,3-Dichloropropane

Concen: 1.161 ug/l

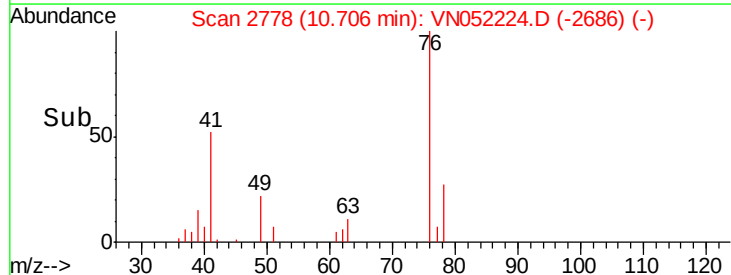
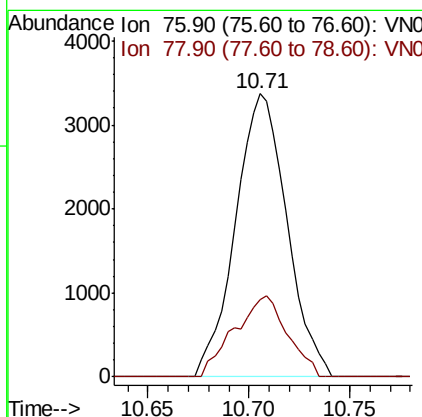
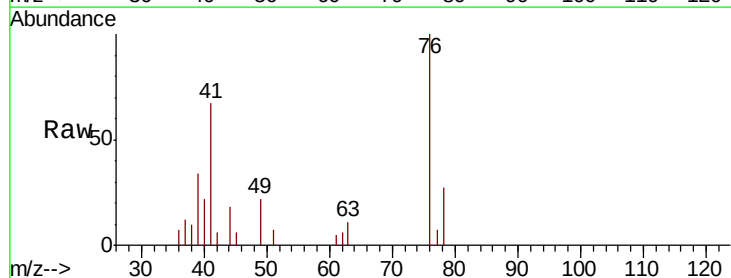
RT: 10.71 min Scan# 2778

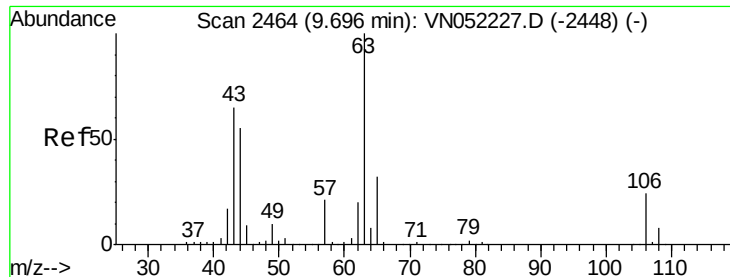
Delta R.T. -0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	76	Resp:	6005
Ion	Ratio	Lower	Upper
76	100		
78	29.5	25.7	38.5





#58

2-Chloroethyl Vinyl ether

Concen: 4.488 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 9705

Ion Ratio Lower Upper

63 100

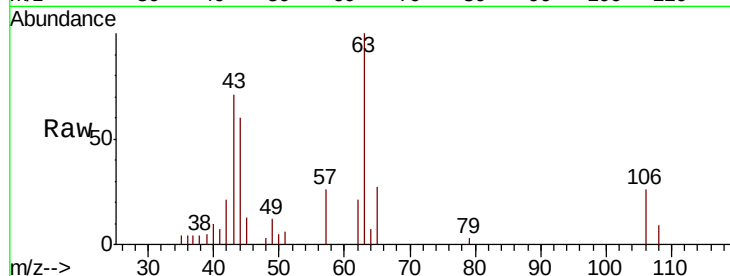
106 23.6 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

6000

5000

4000

3000

2000

1000

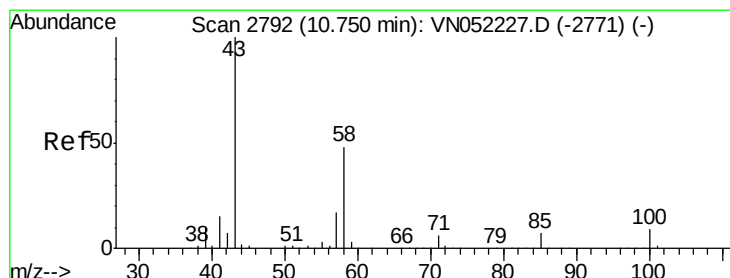
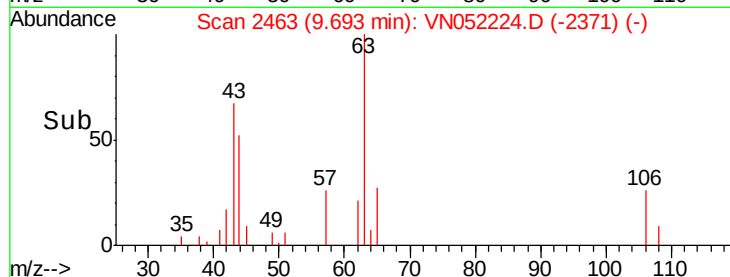
0

9.65

9.70

9.75

Time-->



#59

2-Hexanone

Concen: 5.478 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052224.D

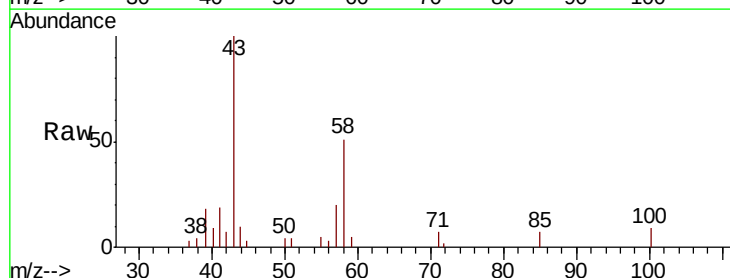
Acq: 9 Nov 2018 13:39

Tgt Ion: 43 Resp: 12888

Ion Ratio Lower Upper

43 100

58 47.8 24.1 72.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

4000

2000

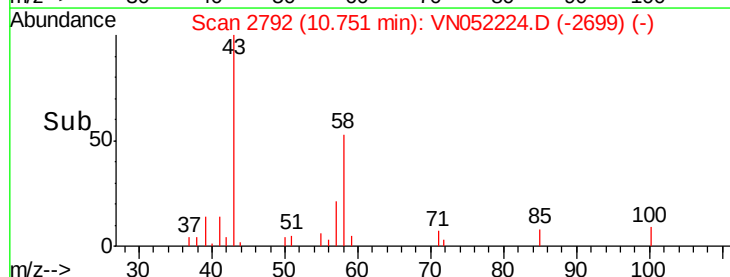
0

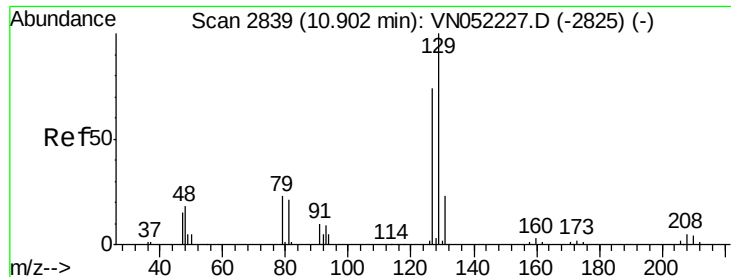
10.70

10.75

10.80

Time-->





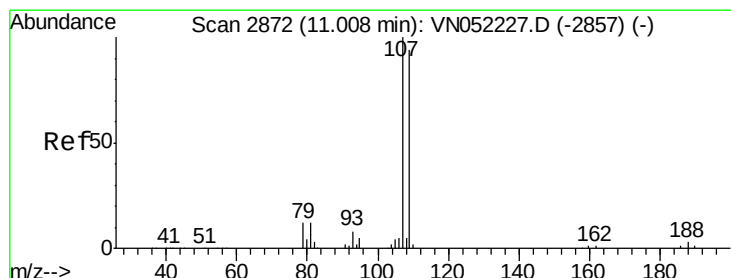
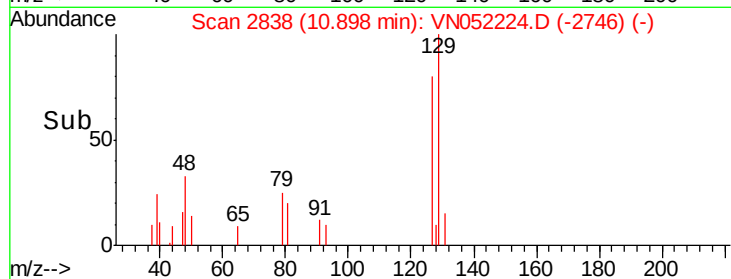
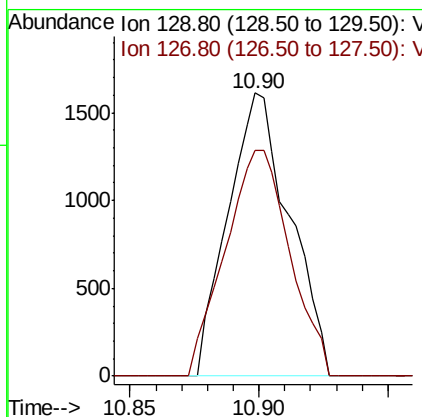
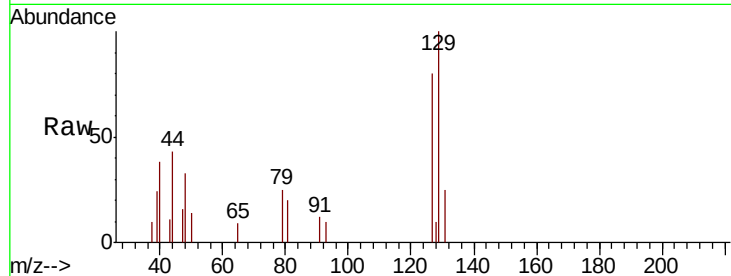
#60
 Dibromochloromethane
 Concen: 0.915 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:129 Resp: 2683
 Ion Ratio Lower Upper
 129 100
 127 83.5 38.0 114.1

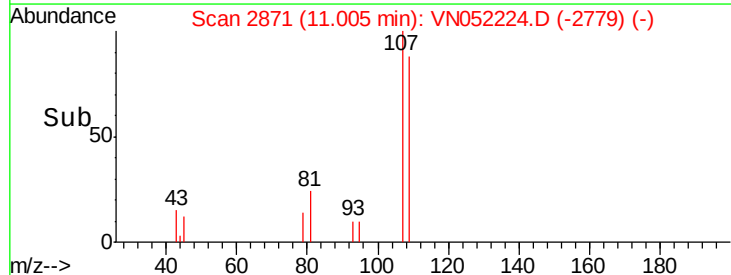
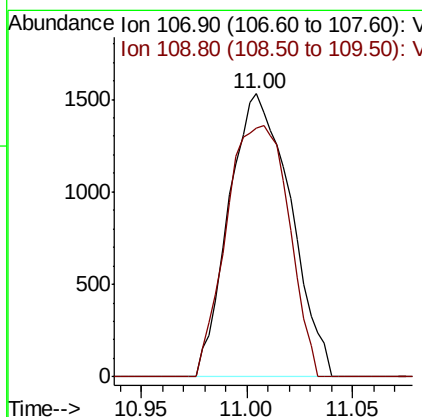
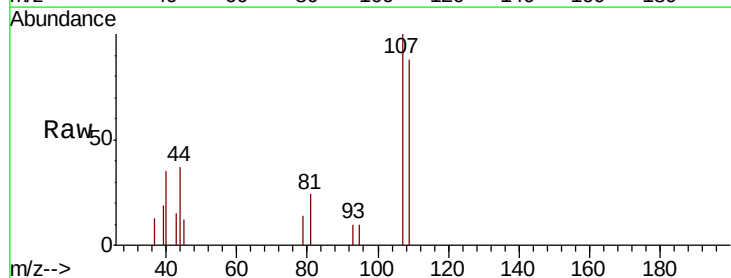
Manual Integrations
 APPROVED

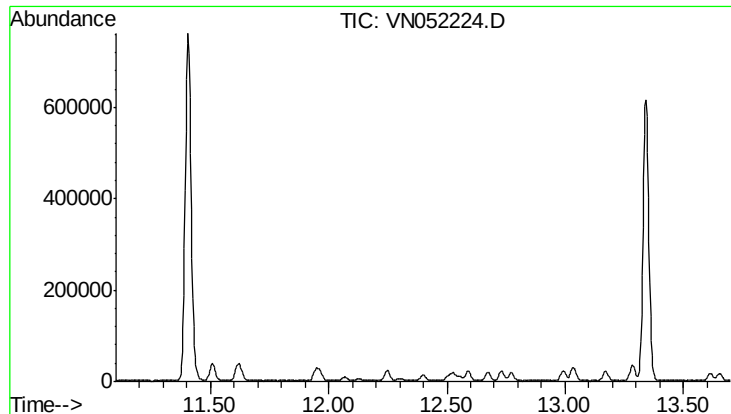
MMDadoda
 11/12/2018 9:18:28 AM



#61
 1,2-Dibromoethane
 Concen: 1.091 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion:107 Resp: 3098
 Ion Ratio Lower Upper
 107 100
 109 89.9 75.8 113.6





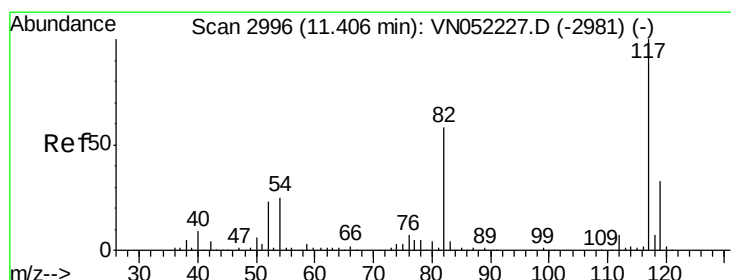
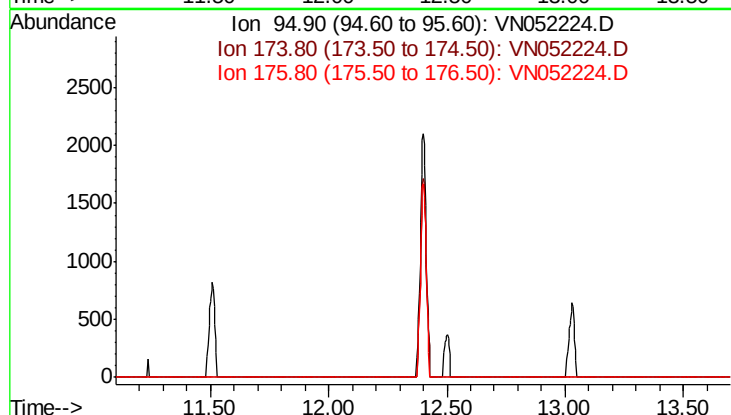
#62
 4-Bromofluorobenzene
 Concen: 1.091 ug/l
 Expected RT: 12.40 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	79.7
176	78.9

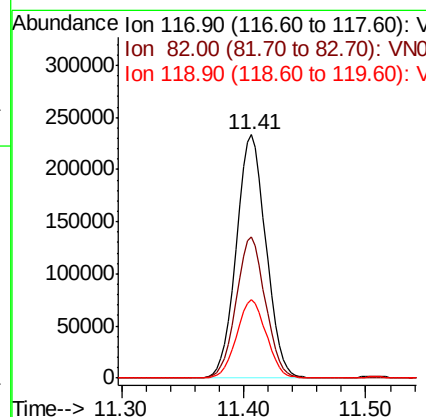
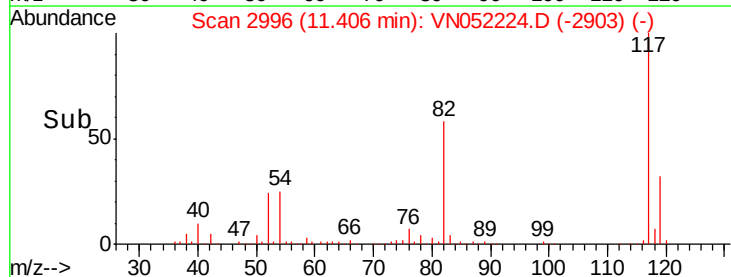
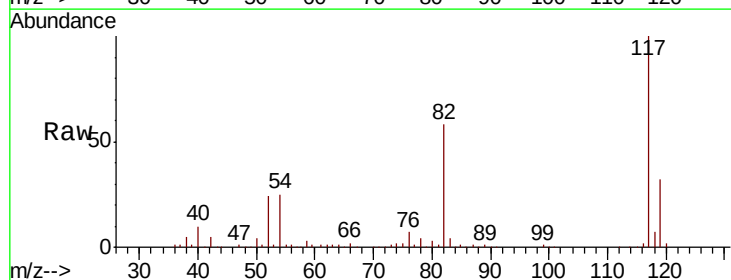
Manual Integrations
 APPROVED

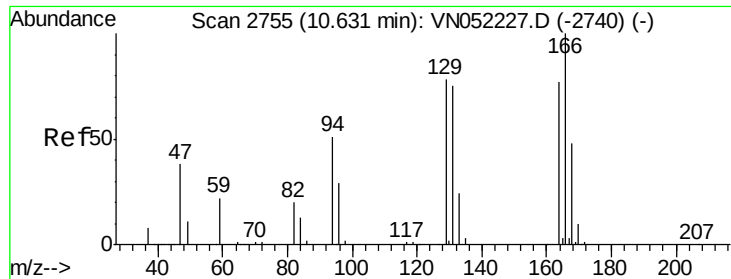
MMDadoda
 11/12/2018 9:18:28 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	117	Resp	394712
Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.2
119	32.1	26.2	39.4





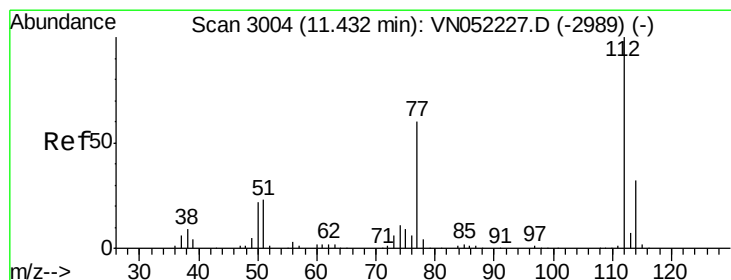
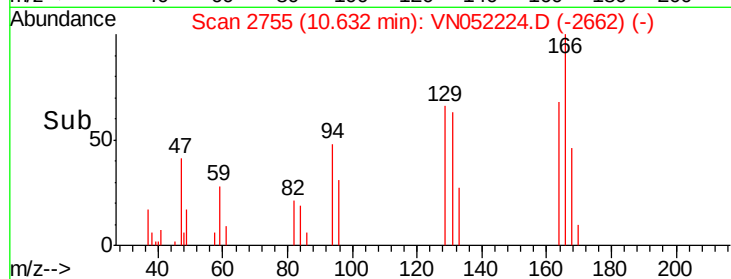
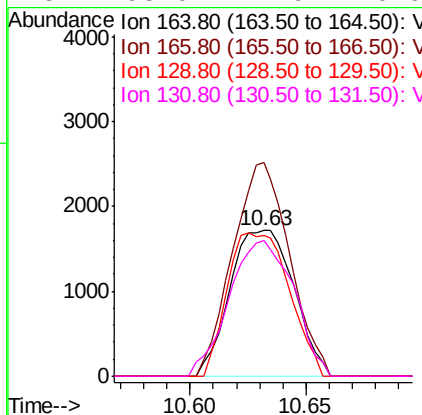
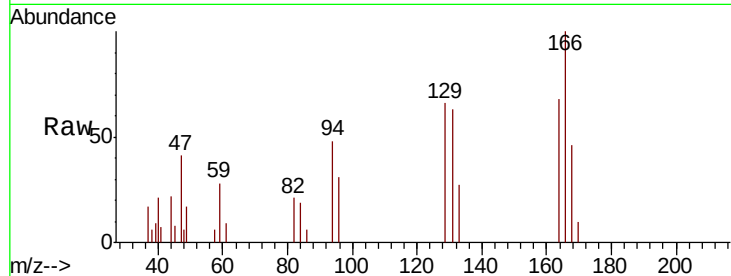
#64
Tetrachloroethene
Concen: 1.189 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	164	Resp:	3287
Ion	Ratio	Lower	Upper
164	100		
166	146.6	103.6	155.4
129	96.3	81.0	121.6
131	93.0	77.9	116.9

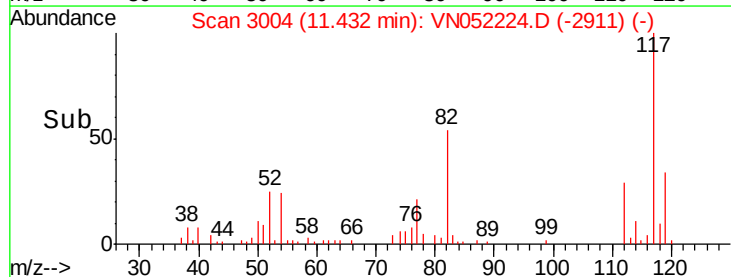
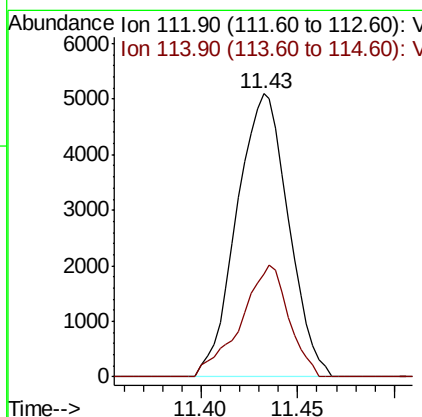
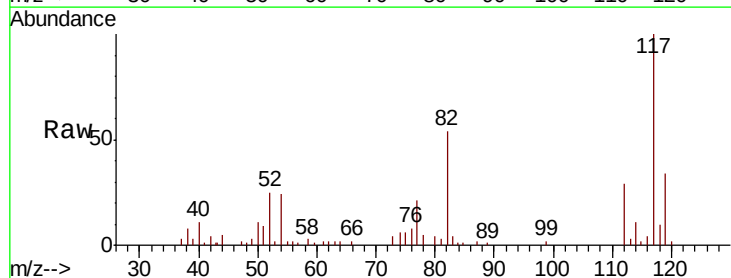
Manual Integrations
APPROVED

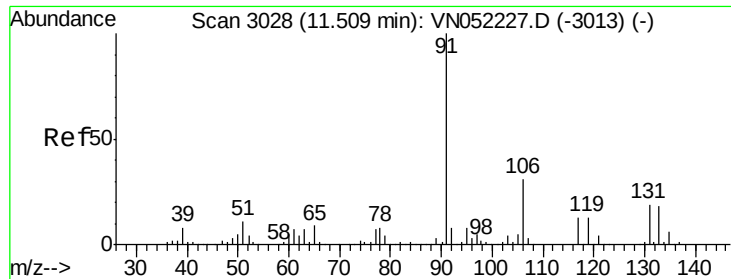
MMDadoda
11/12/2018 9:18:28 AM



#65
Chlorobenzene
Concen: 1.134 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion:	112	Resp:	9481
Ion	Ratio	Lower	Upper
112	100		
114	36.6	25.7	38.5





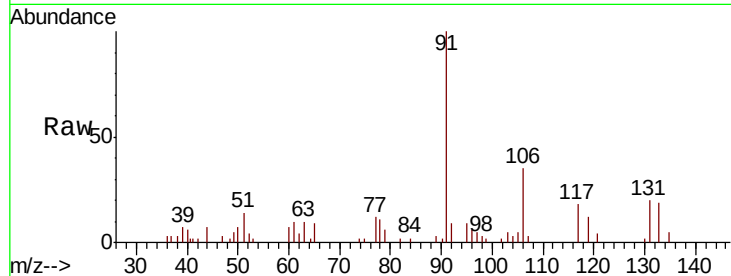
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.046 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

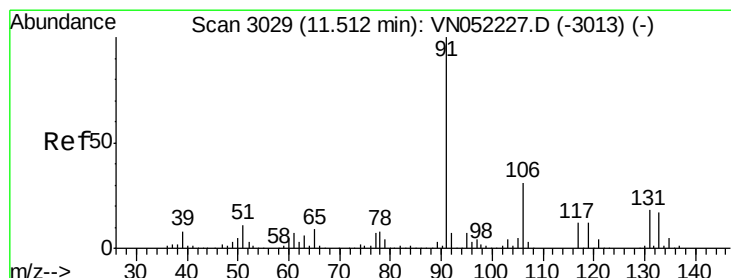
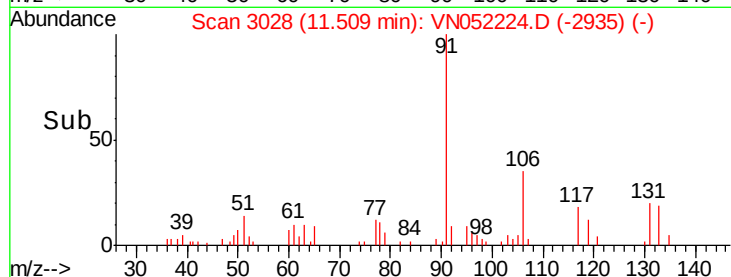
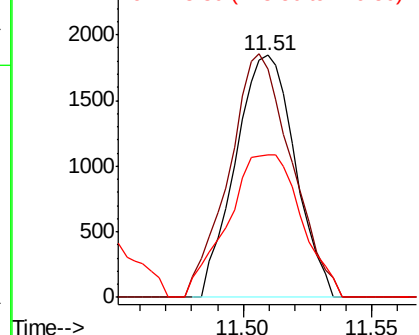
Tot Ion	Ratio	Lower	Upper
131	100		
133	106.2	48.3	144.9
119	0.0	34.6	103.9#

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:28 AM

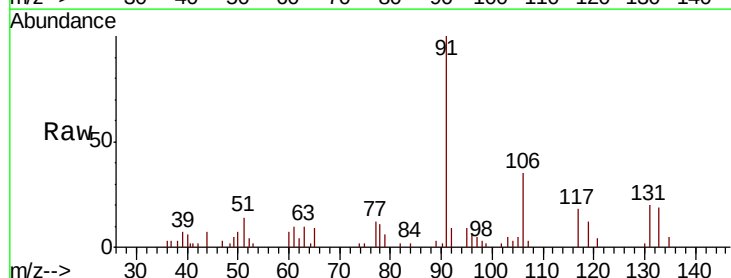


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

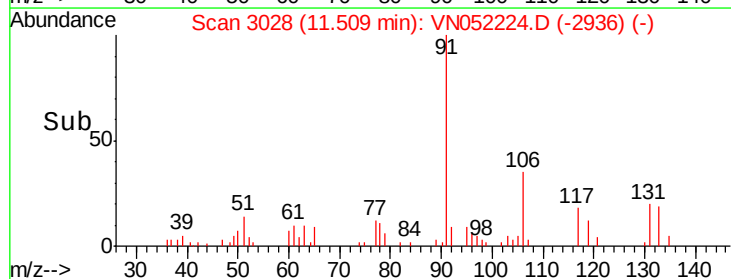
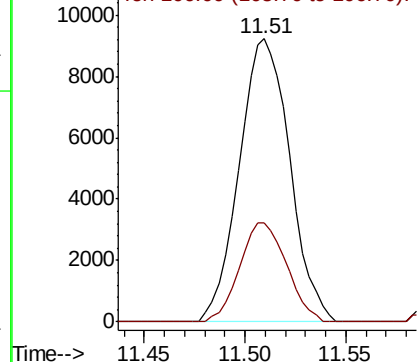


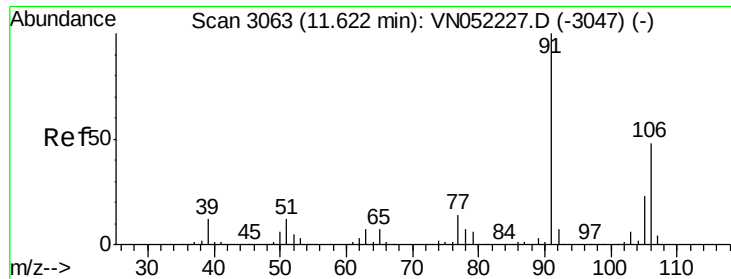
#67
 Ethyl Benzene
 Concen: 1.099 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.2	24.7	37.1



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 106.00 (105.70 to 106.70): V





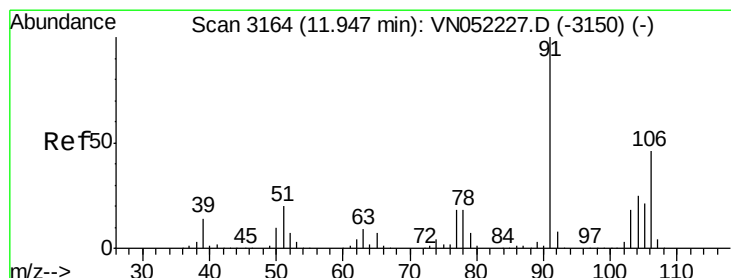
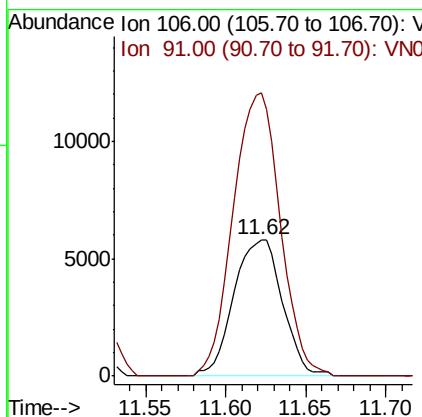
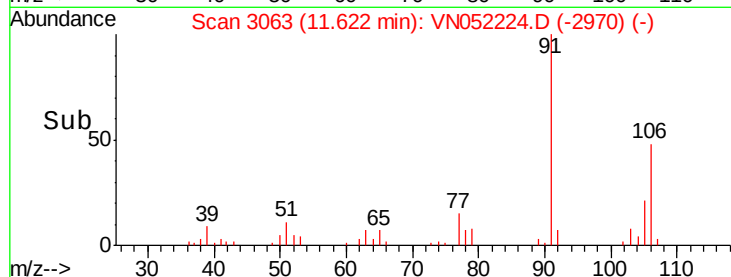
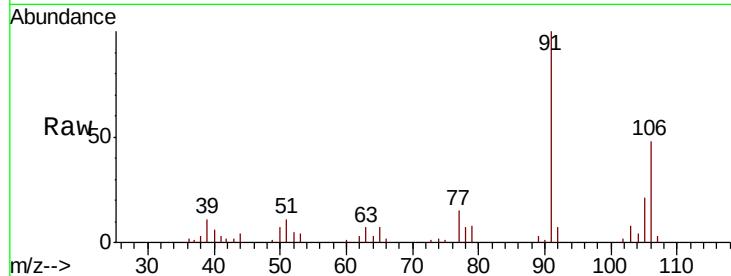
#68
m/p-Xylenes
Concen: 2.202 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 12062
Ion Ratio Lower Upper
106 100
91 201.2 165.7 248.5

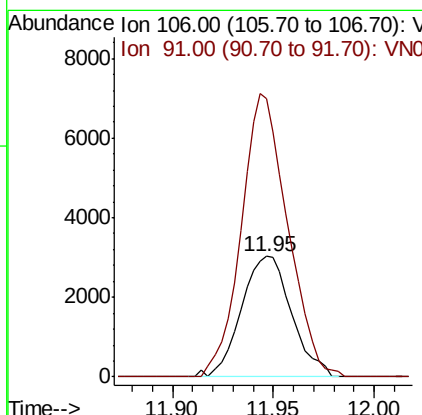
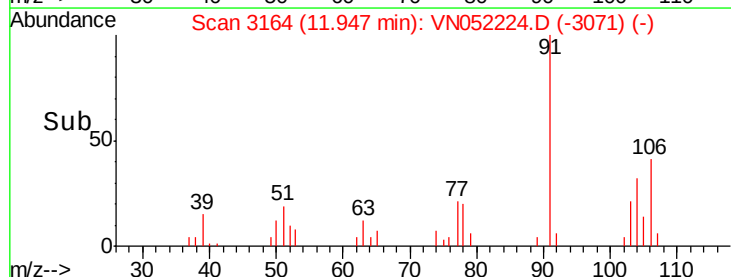
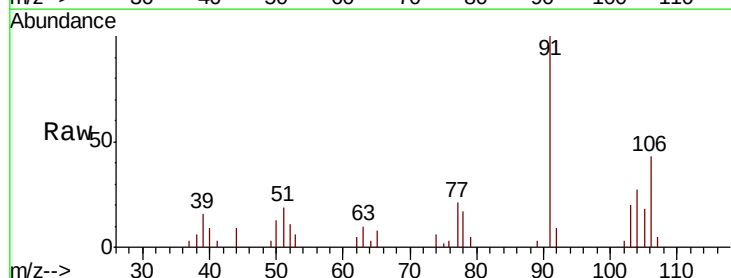
Manual Integrations
APPROVED

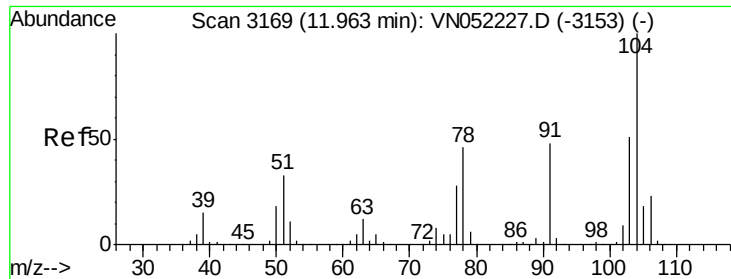
MMDadoda
11/12/2018 9:18:28 AM



#69
o-Xylene
Concen: 1.007 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion:106 Resp: 5271
Ion Ratio Lower Upper
106 100
91 216.8 108.5 325.5





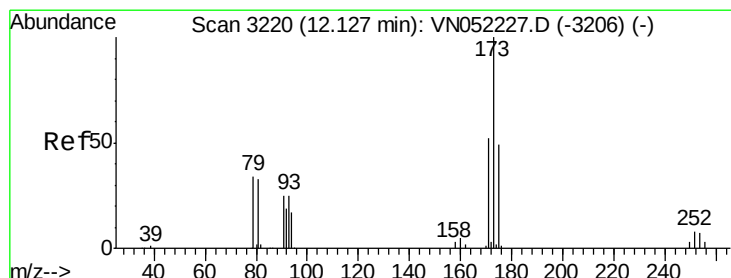
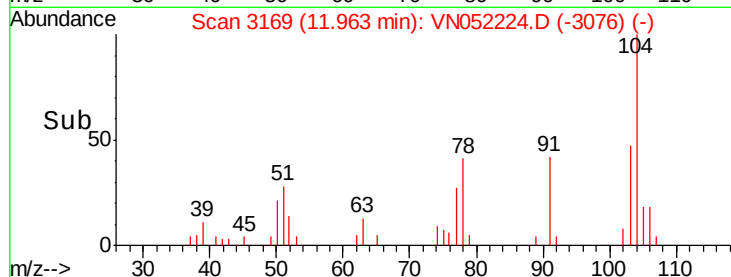
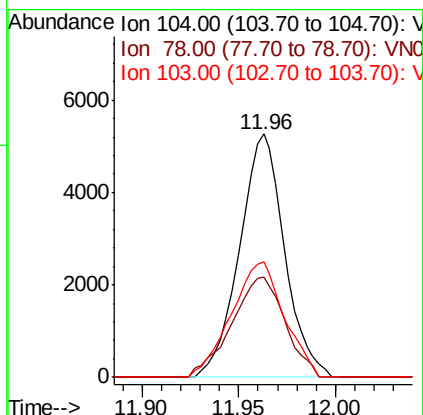
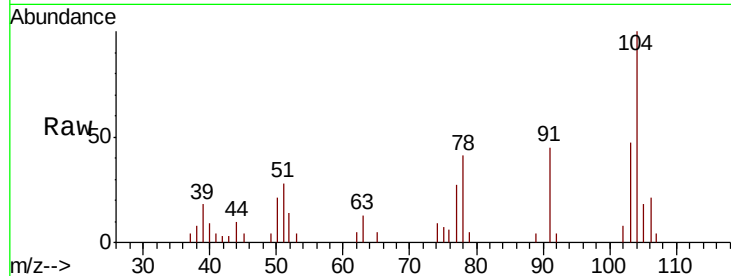
#70
Stvrene
Concen: 1.008 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.8	62.6
103	55.7	44.9	67.3

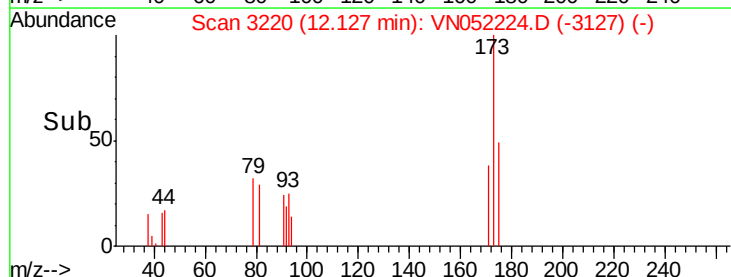
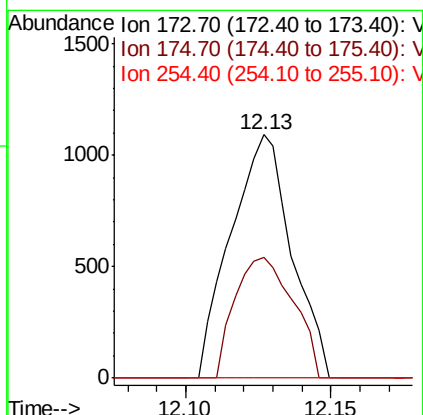
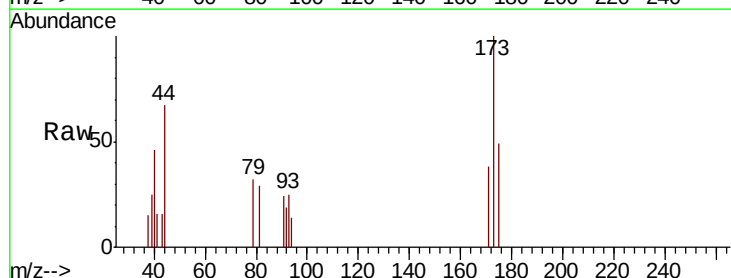
Manual Integrations
APPROVED

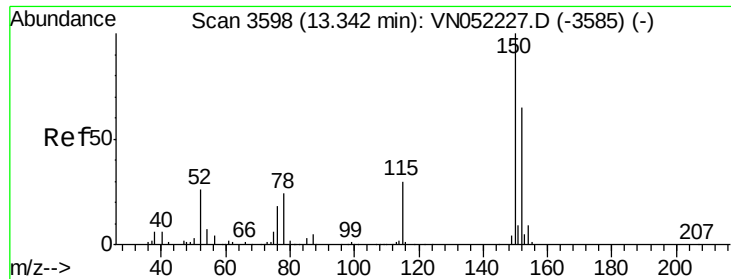
MMDadoda
11/12/2018 9:18:28 AM



#71
Bromoform
Concen: 0.941 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.5	73.5
254	0.0	0.0	0.0





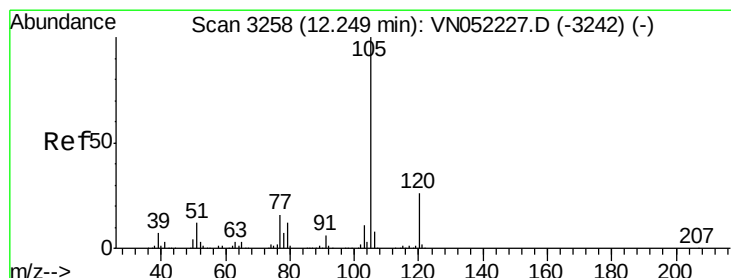
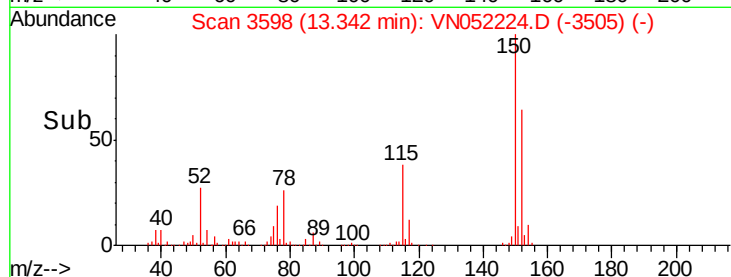
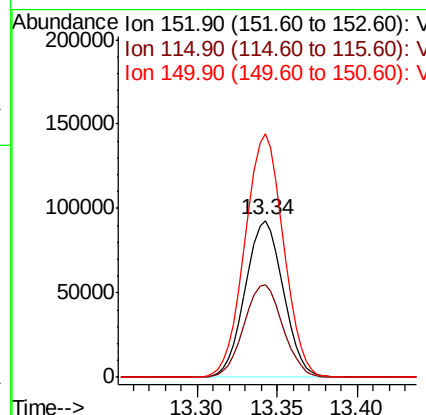
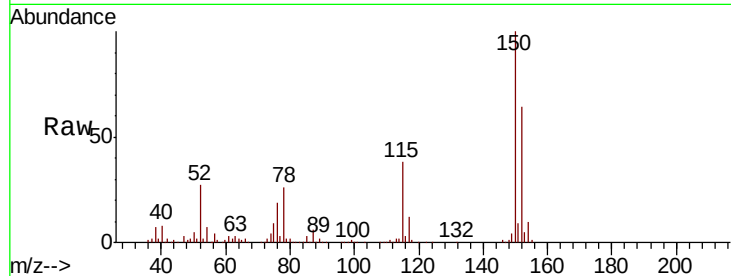
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
152	100	150502		
115	60.3	29.8	89.5	
150	157.3	0.0	350.2	

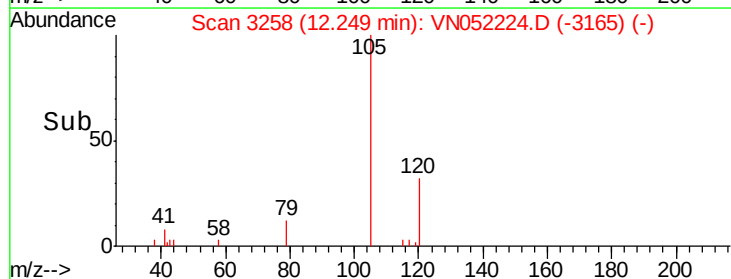
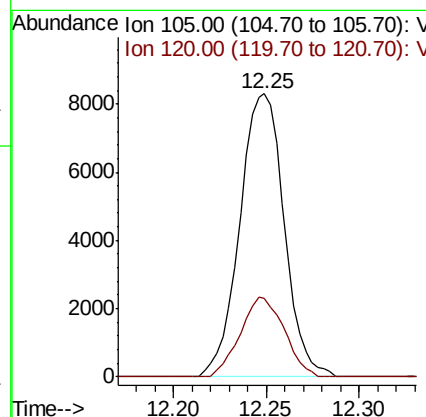
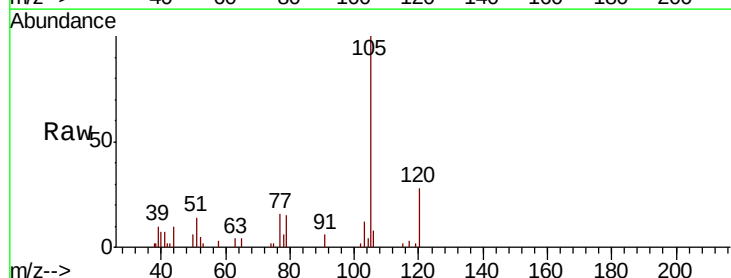
Manual Integrations
 APPROVED

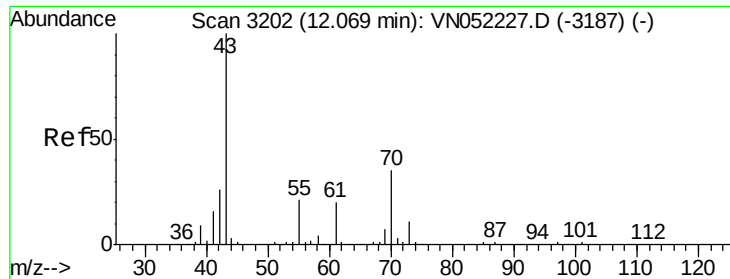
MMDadoda
 11/12/2018 9:18:28 AM



#73
 Isopropylbenzene
 Concen: 1.122 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	13809		
120	27.9	13.1	39.1	





#74

N-amvl acetate

Concen: 1.076 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

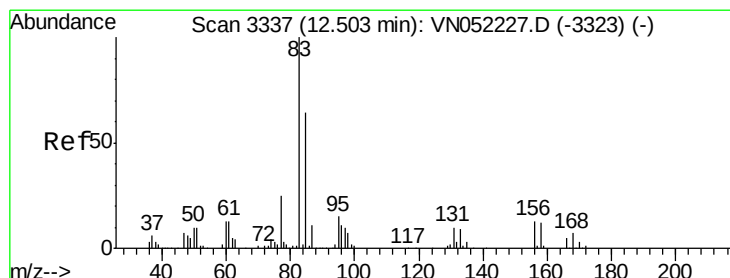
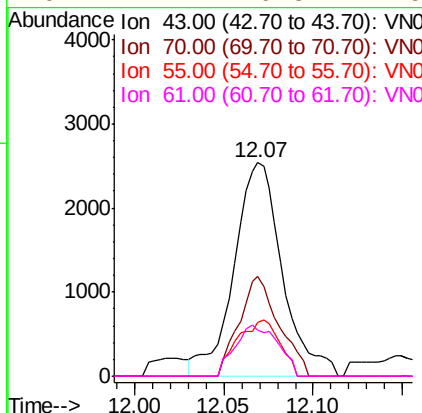
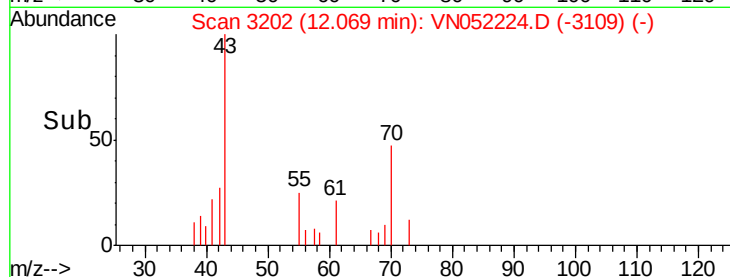
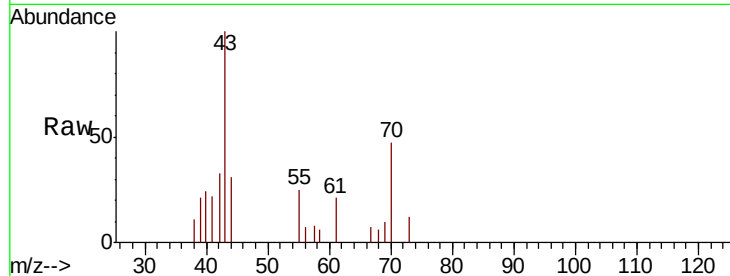
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	4806
Ion	Ratio	Lower	Upper
43	100		
70	38.3	28.2	42.2
55	23.3	17.4	26.2
61	21.1	16.3	24.5

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.206 ug/l

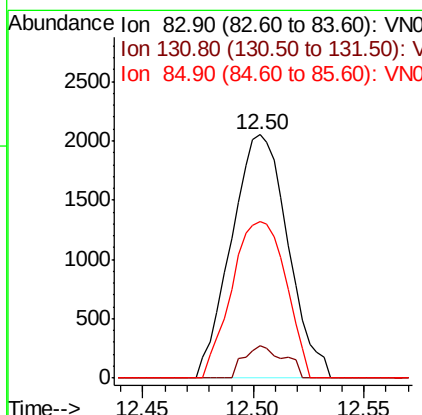
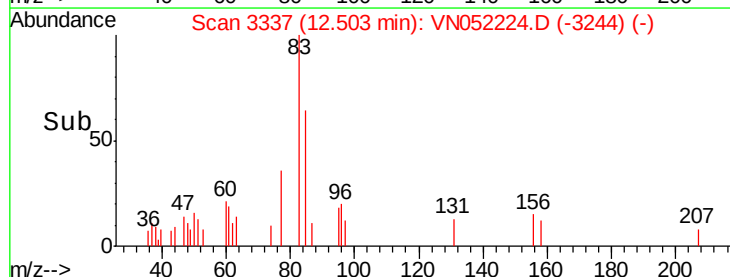
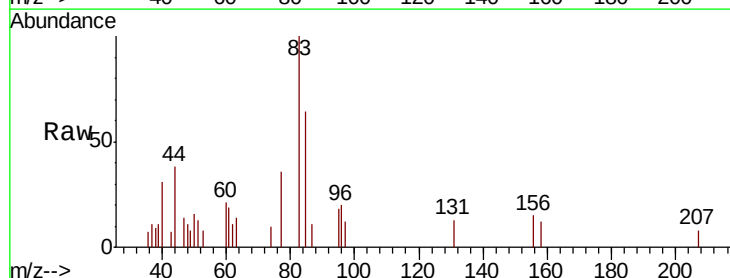
RT: 12.50 min Scan# 3337

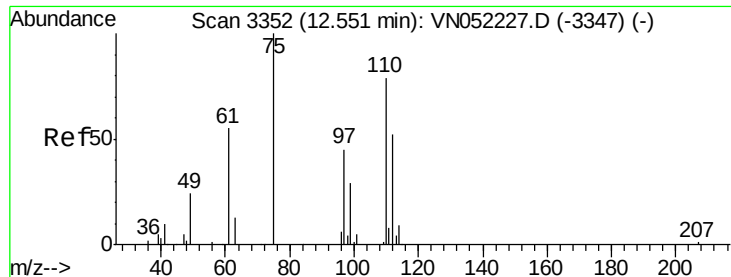
Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	83	Resp:	3637
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.2
85	61.6	32.4	97.2





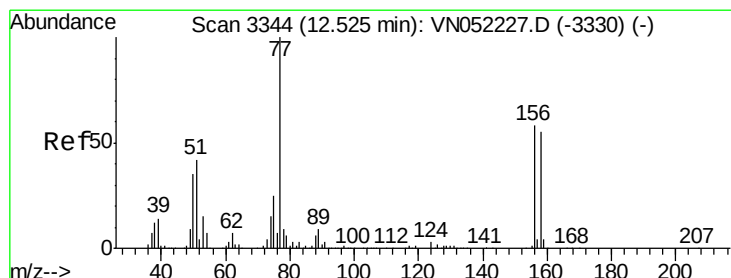
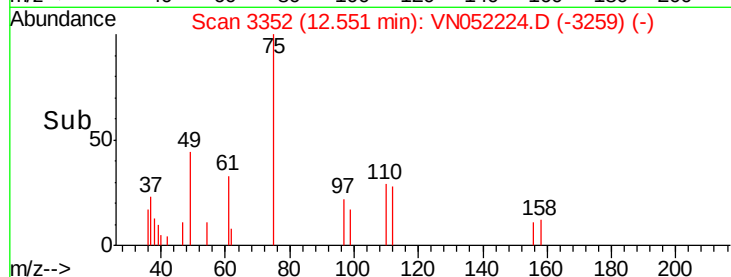
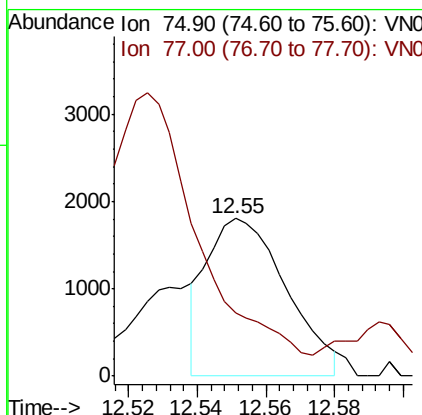
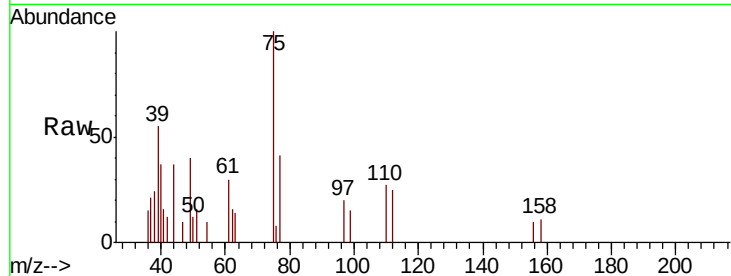
#76
 1,2,3-Trichloropropane
 Concen: 1.089 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 2889
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

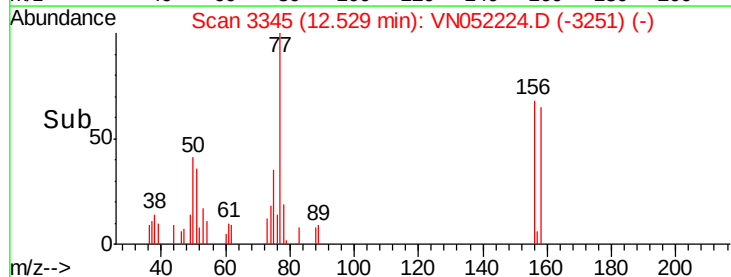
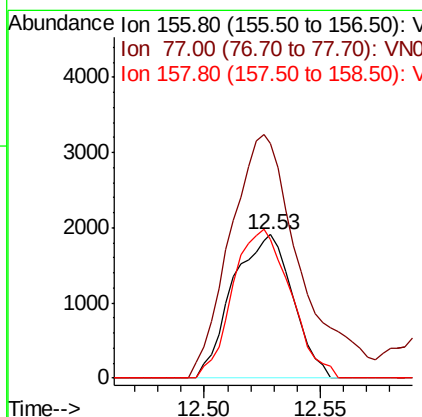
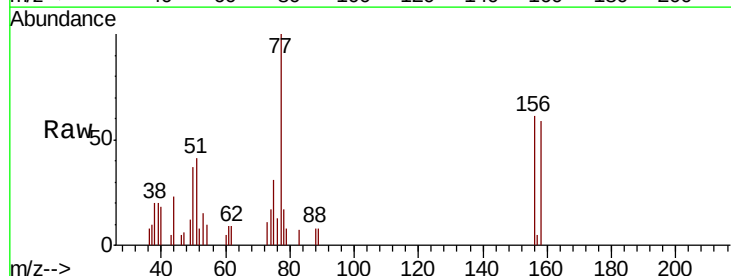
Manual Integrations
 APPROVED

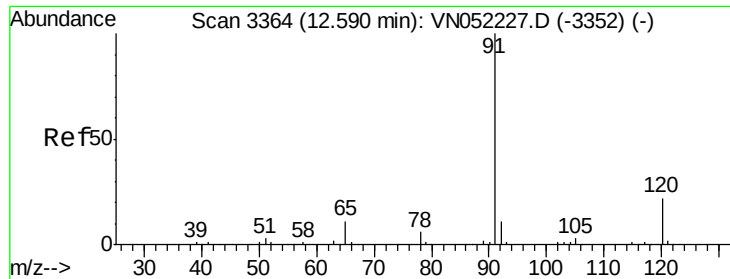
MMDadoda
 11/12/2018 9:18:28 AM



#77
 Bromobenzene
 Concen: 1.192 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion: 156 Resp: 3432
 Ion Ratio Lower Upper
 156 100
 77 198.3 101.1 303.3
 158 99.7 47.8 143.3





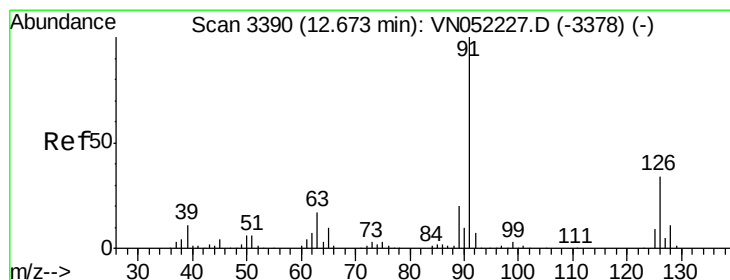
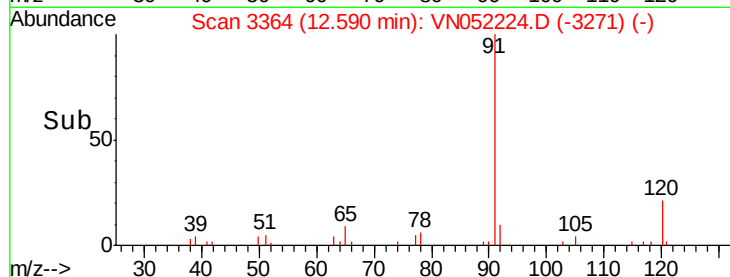
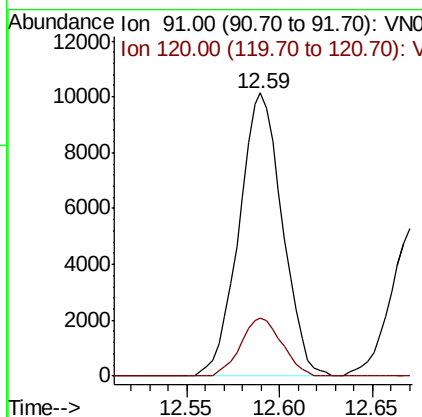
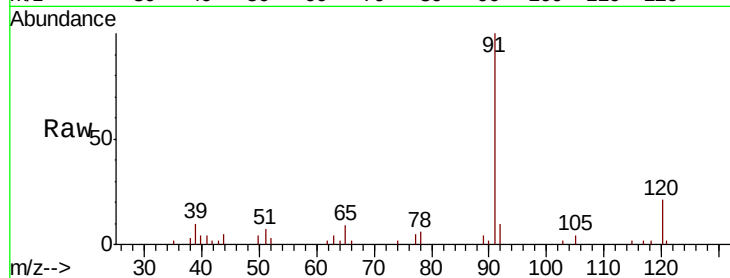
#78
n-propylbenzene
Concen: 1.138 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 16405
Ion Ratio Lower Upper
91 100
120 19.5 11.3 33.8

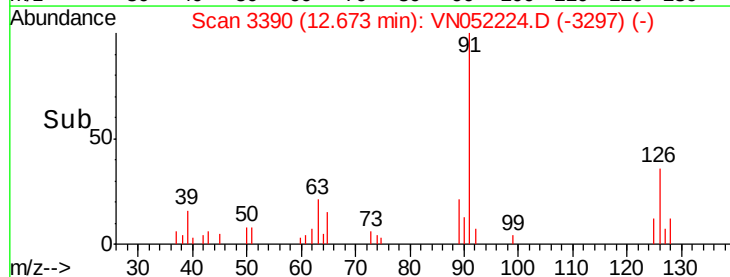
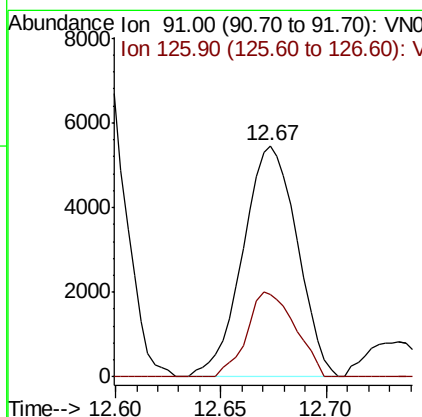
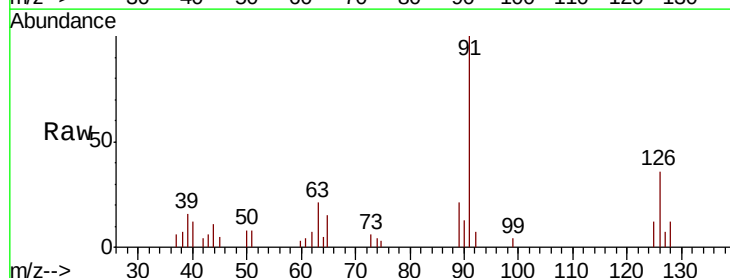
Manual Integrations
APPROVED

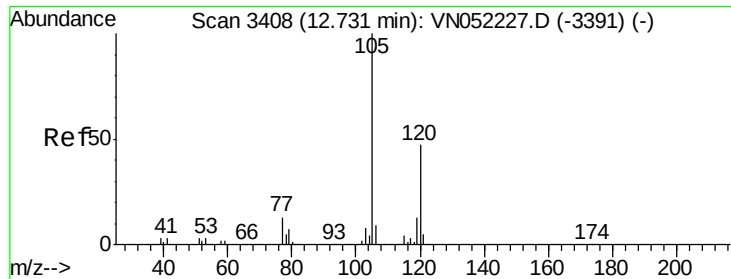
MMDadoda
11/12/2018 9:18:28 AM



#79
2-Chlorotoluene
Concen: 1.168 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion: 91 Resp: 9751
Ion Ratio Lower Upper
91 100
126 32.8 17.0 51.0





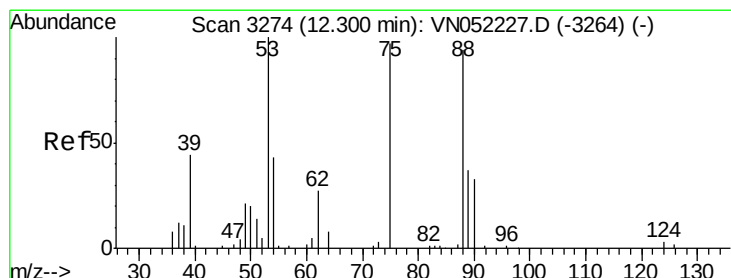
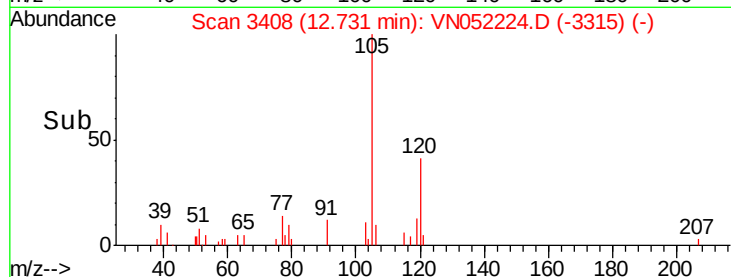
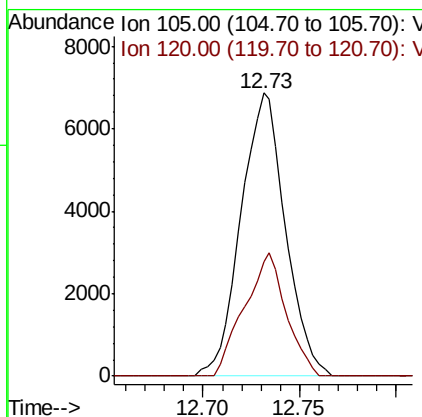
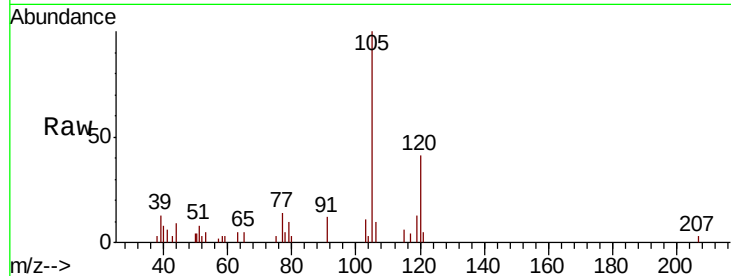
#80
 1,3,5-Trimethylbenzene
 Concen: 1.119 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.1	23.9	71.8

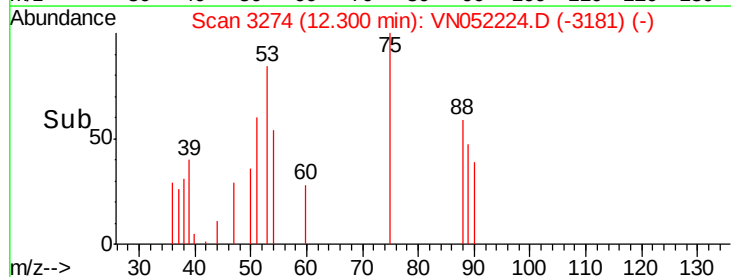
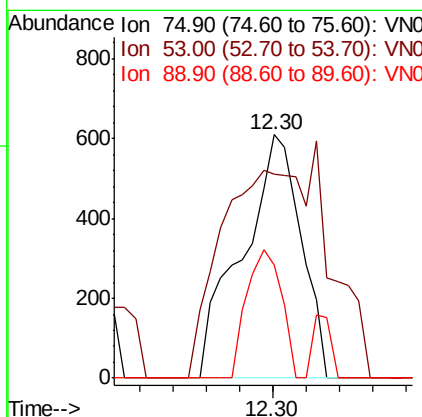
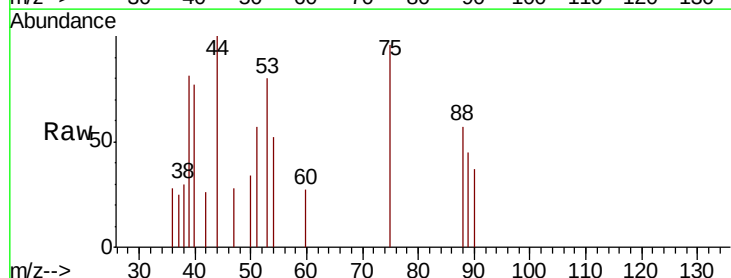
Manual Integrations
 APPROVED

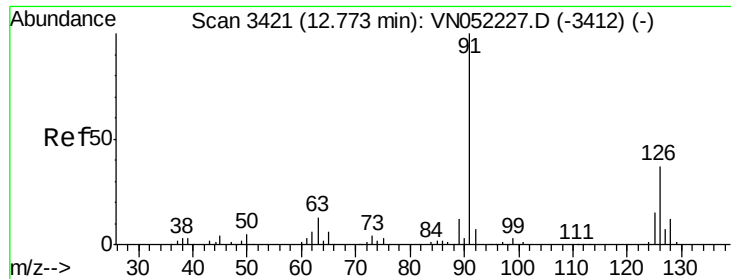
MMDadoda
 11/12/2018 9:18:28 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.969 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	84.0	126.0#
89	31.2	33.7	50.5#





#82

4-Chlorotoluene

Concen: 1.099 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 9205

Ion Ratio Lower Upper

91 100

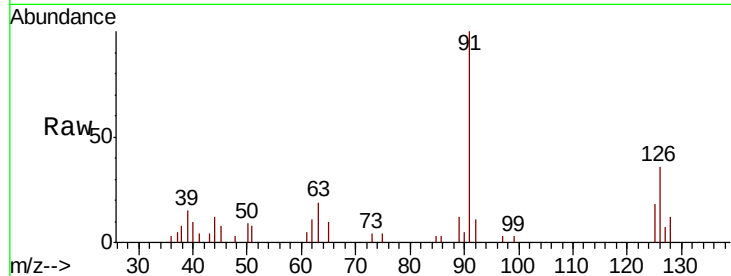
126 33.6 16.9 50.7

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:28 AM



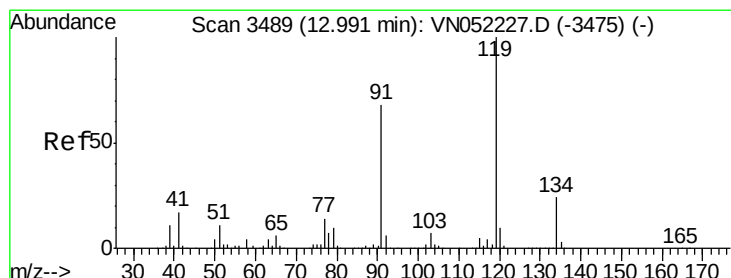
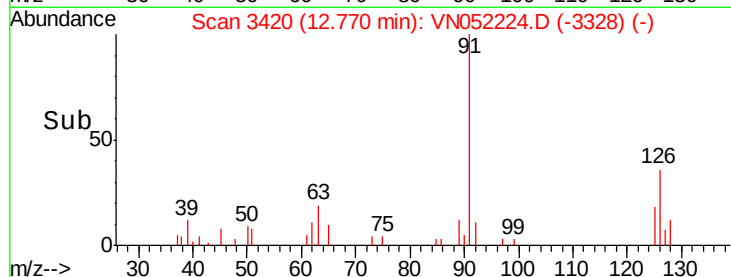
Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3412) (-)

12.77

12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 1.152 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

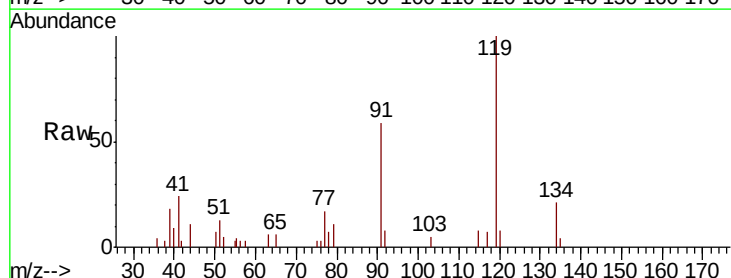
Tgt Ion: 119 Resp: 9839

Ion Ratio Lower Upper

119 100

91 65.3 33.5 100.4

134 24.0 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): VN052227.D (-3475) (-)

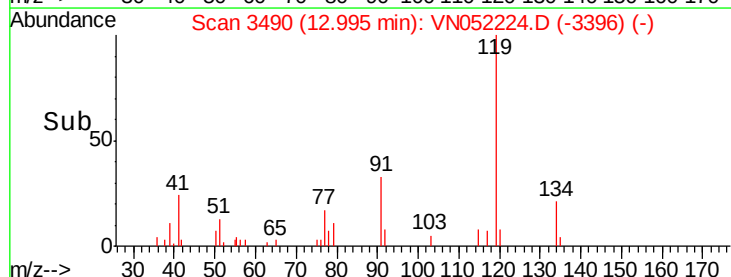
Ion 91.00 (90.70 to 91.70): VN052227.D (-3475) (-)

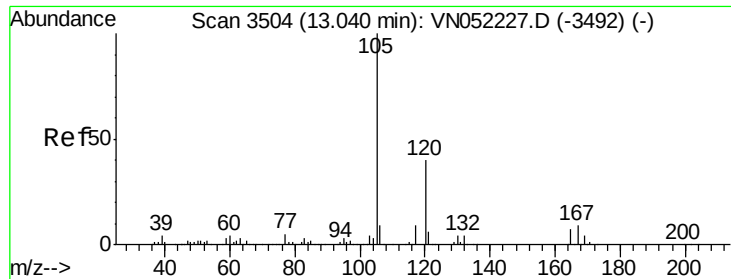
Ion 134.00 (133.70 to 134.70): VN052227.D (-3475) (-)

12.99

12.95 13.00

Time-->





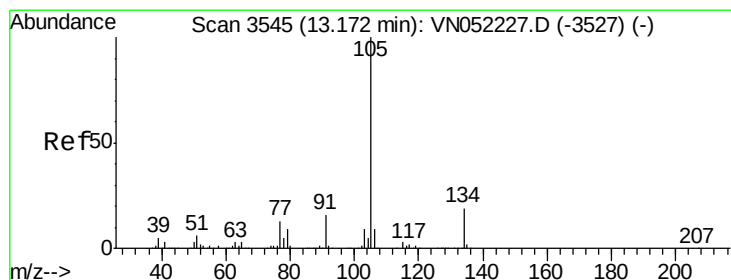
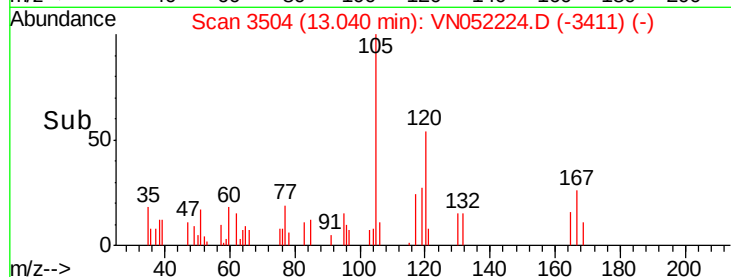
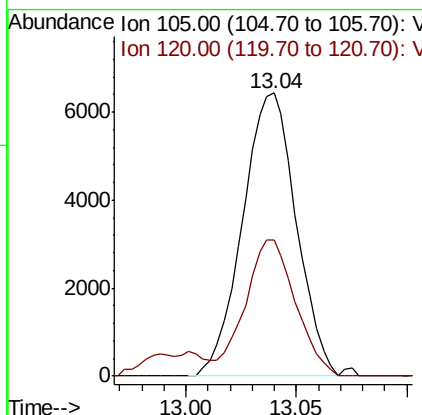
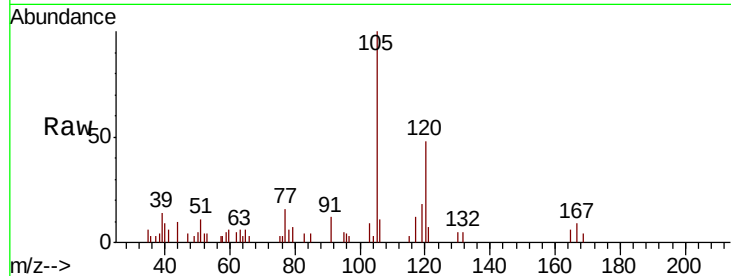
#84
 1,2,4-Trimethylbenzene
 Concen: 1.102 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 10871
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.1

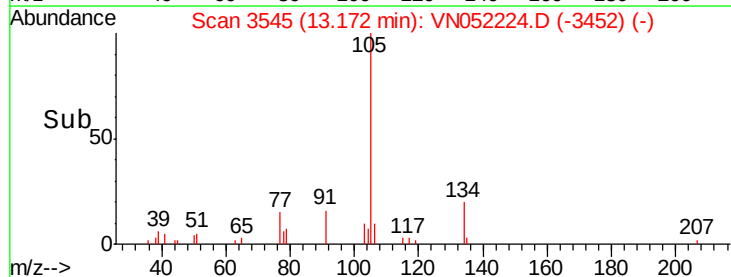
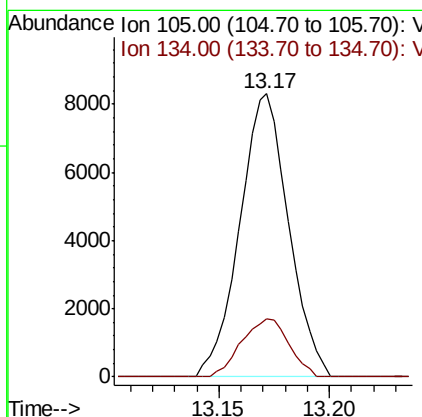
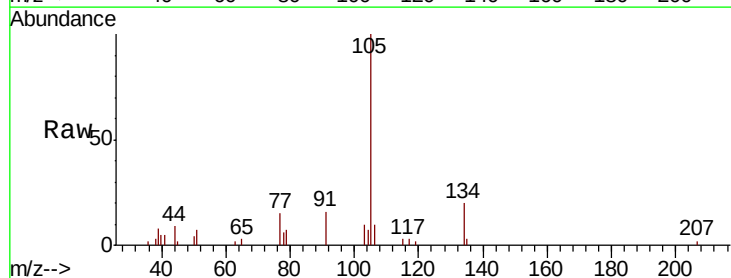
Manual Integrations
 APPROVED

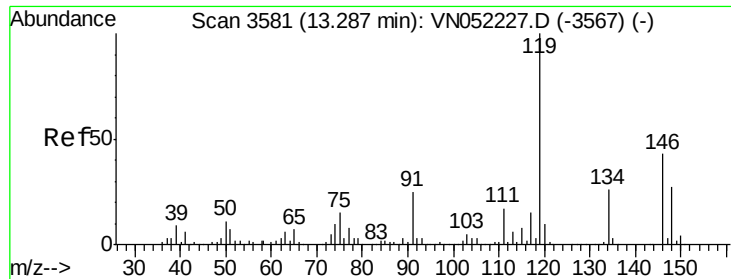
MMDadoda
 11/12/2018 9:18:28 AM



#85
 sec-Butylbenzene
 Concen: 1.088 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion:105 Resp: 12748
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.7 28.9





#86

p-Isopropyltoluene

Concen: 1.050 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

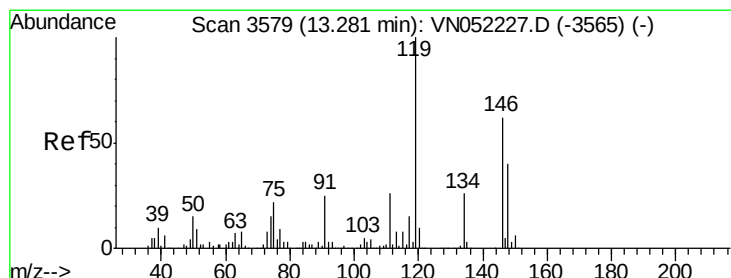
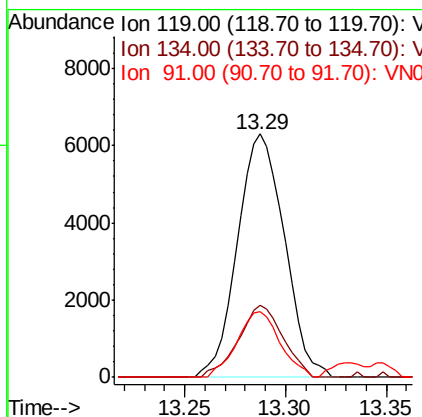
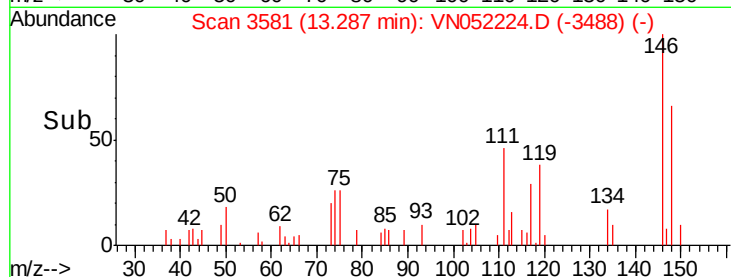
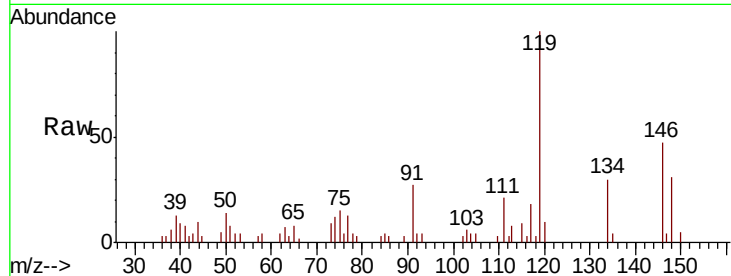
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	10286
Ion Ratio	Lower	Upper	
119	100		
134	28.0	13.2	39.6
91	24.8	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



#87

1,3-Dichlorobenzene

Concen: 1.158 ug/l

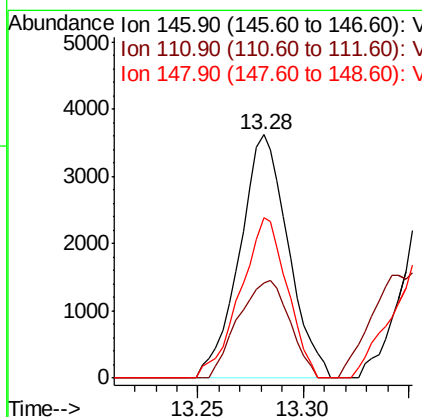
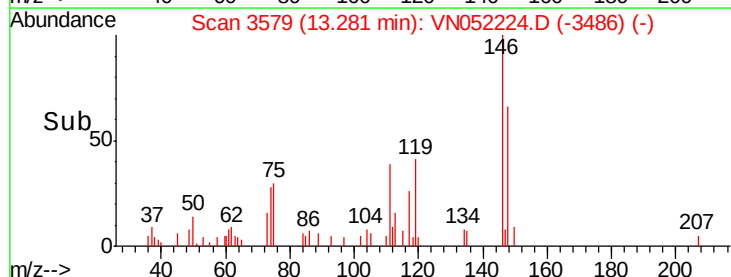
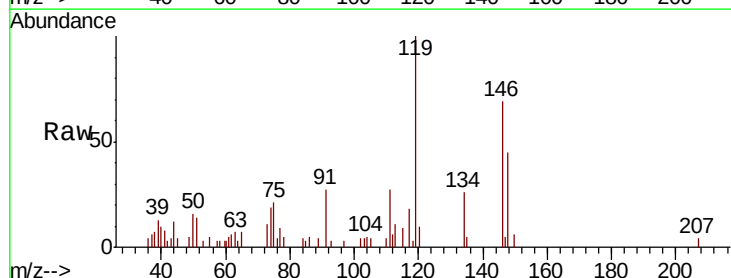
RT: 13.28 min Scan# 3579

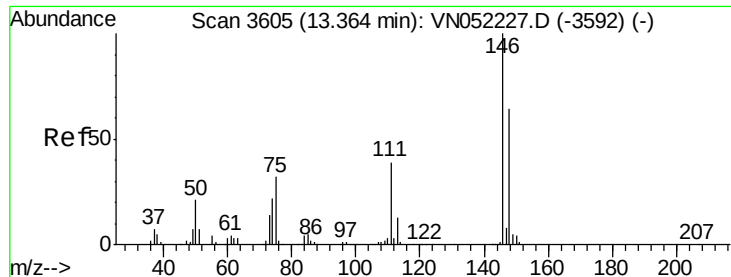
Delta R.T. 0.00 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Tgt Ion:	146	Resp:	5807
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.1	60.3
148	63.4	31.6	94.7





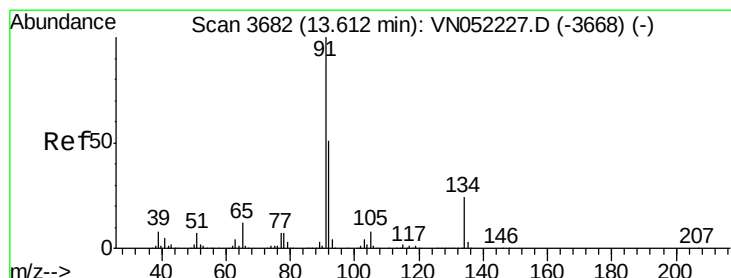
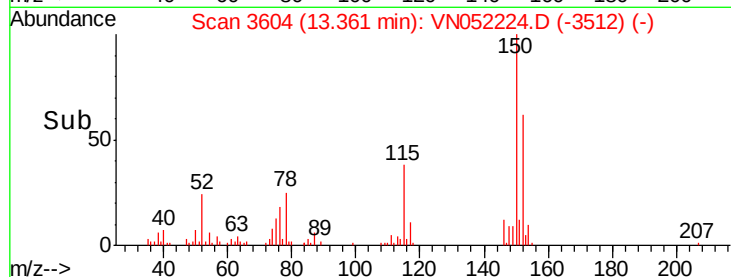
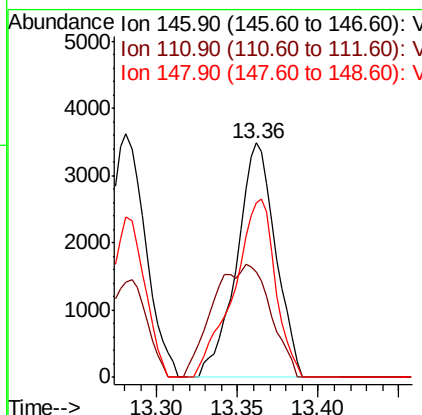
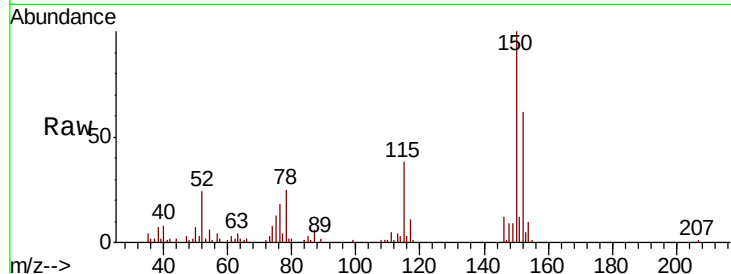
#88
 1,4-Dichlorobenzene
 Concen: 1.164 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.2	60.6
148	63.0	32.1	96.3

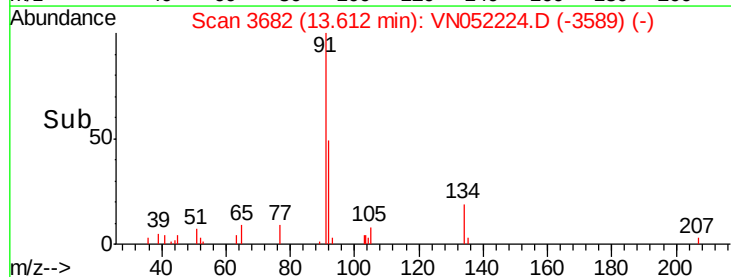
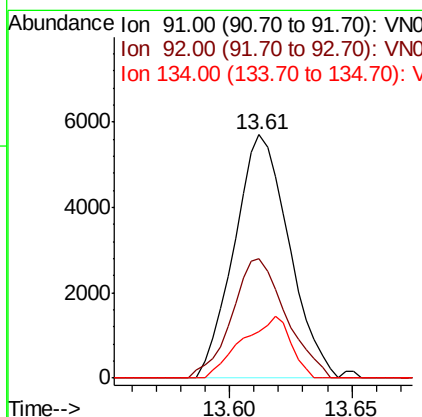
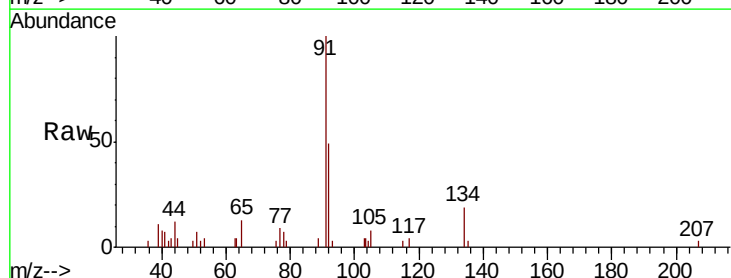
Manual Integrations
 APPROVED

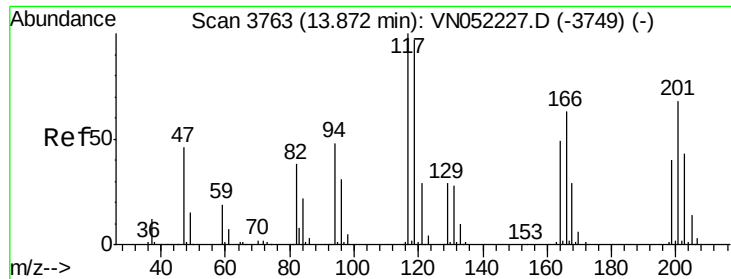
MMDadoda
 11/12/2018 9:18:28 AM



#89
 n-Butylbenzene
 Concen: 1.016 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.2	25.1	75.3
134	22.6	12.0	36.1





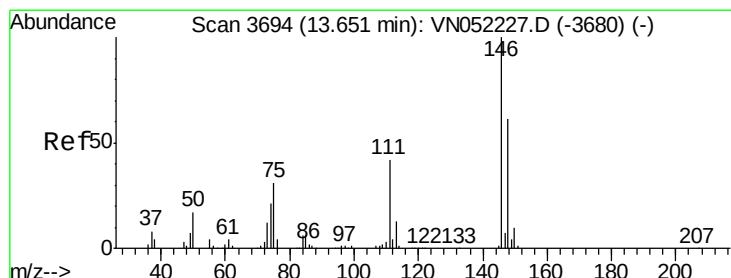
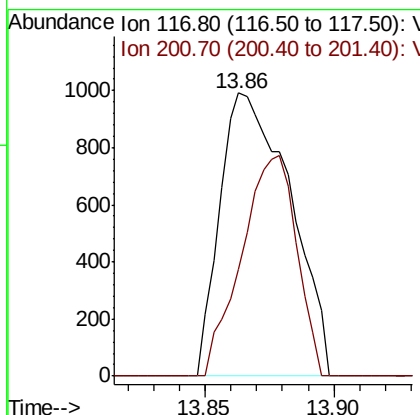
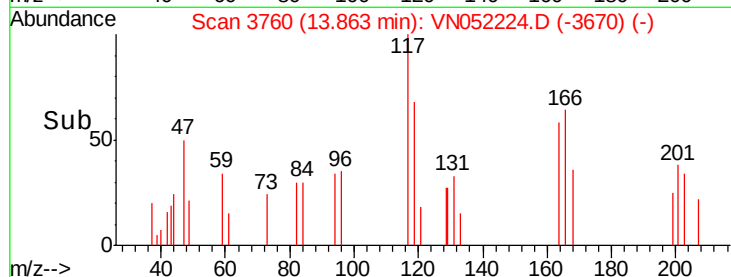
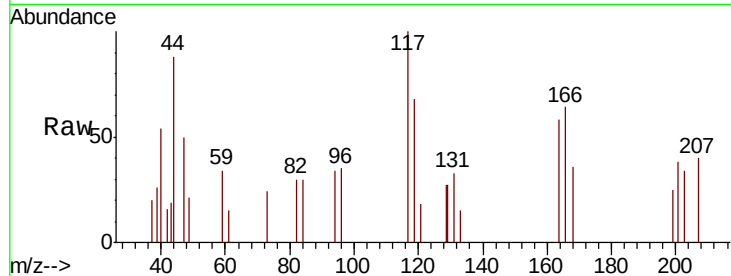
#90
Hexachloroethane
Concen: 1.092 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. -0.01 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1879
Ion Ratio Lower Upper
117 100
201 61.3 34.6 103.9

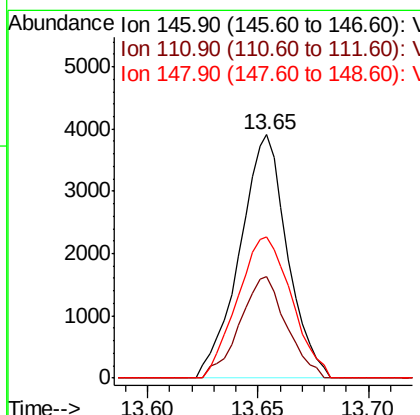
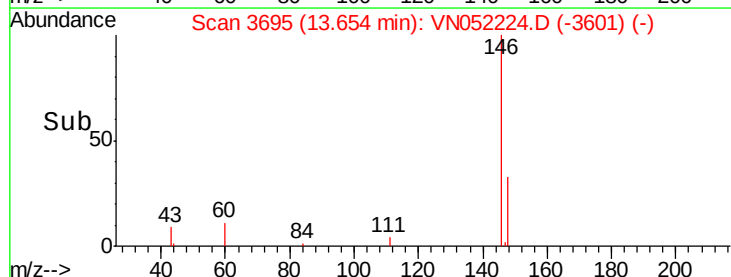
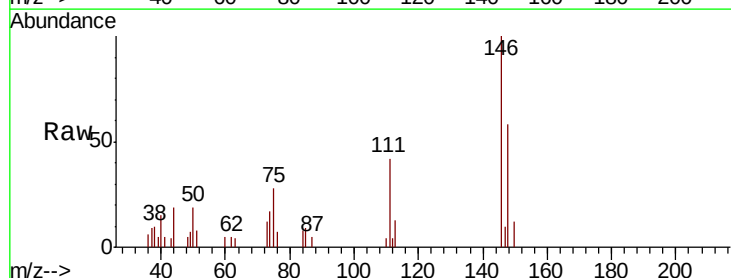
Manual Integrations
APPROVED

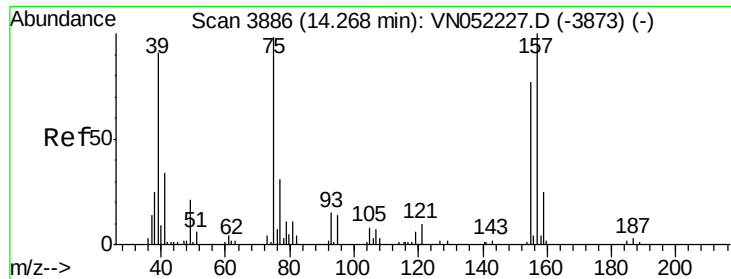
MMDadoda
11/12/2018 9:18:28 AM



#91
1,2-Dichlorobenzene
Concen: 1.196 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN052224.D
Acq: 9 Nov 2018 13:39

Tgt Ion:146 Resp: 5850
Ion Ratio Lower Upper
146 100
111 40.8 21.1 63.3
148 65.6 31.3 93.8





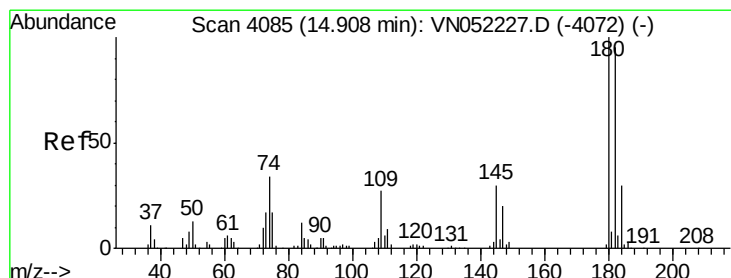
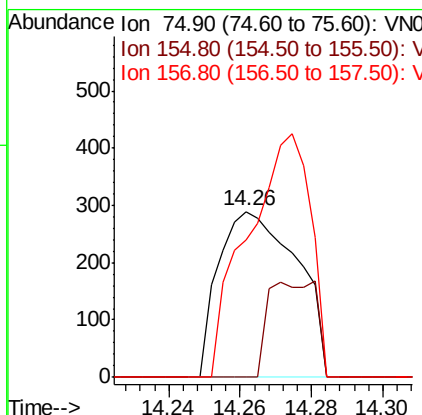
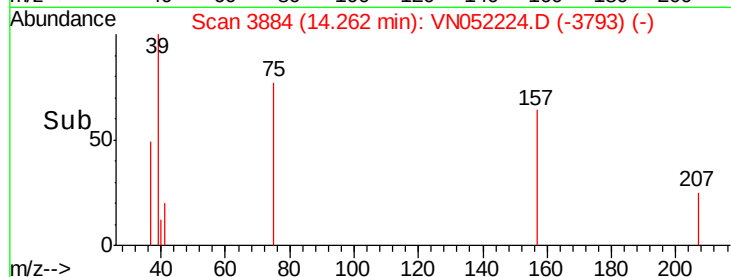
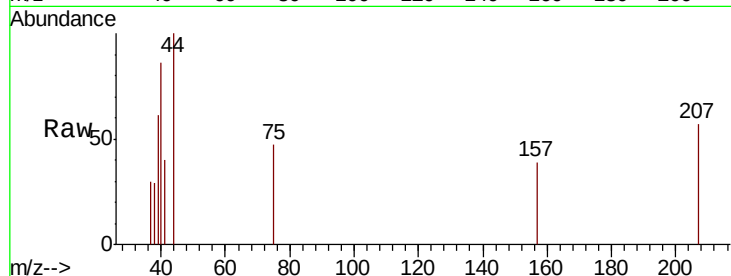
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.026 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 440
 Ion Ratio Lower Upper
 75 100
 155 35.2 40.2 120.5#
 157 117.0 51.7 155.2

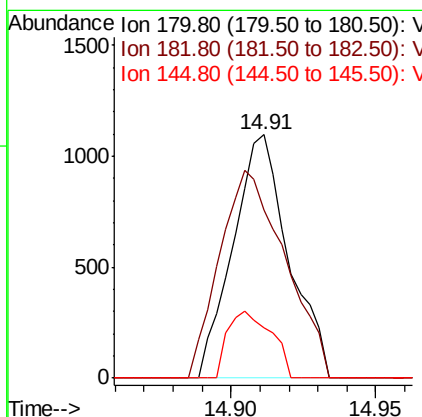
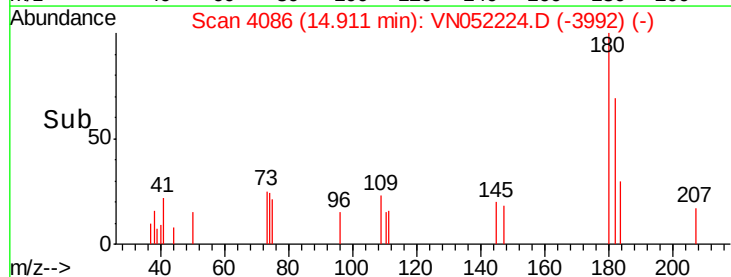
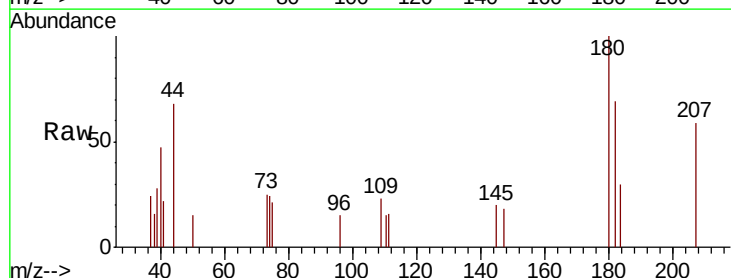
Manual Integrations
 APPROVED

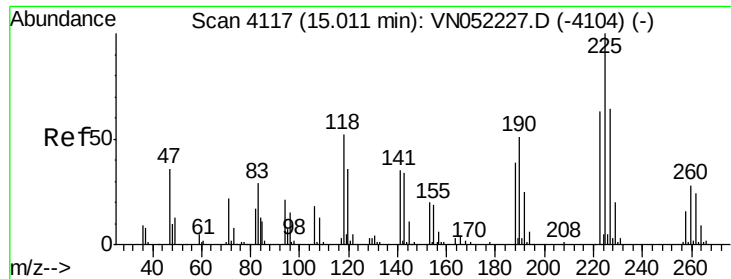
MMDadoda
 11/12/2018 9:18:28 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.757 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Tgt Ion: 180 Resp: 1464
 Ion Ratio Lower Upper
 180 100
 182 100.6 47.3 142.0
 145 21.4 15.6 46.8





#94

Hexachlorobutadiene

Concen: 1.075 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN052224.D

Acq: 9 Nov 2018 13:39

Instrument :

MSVOA_N

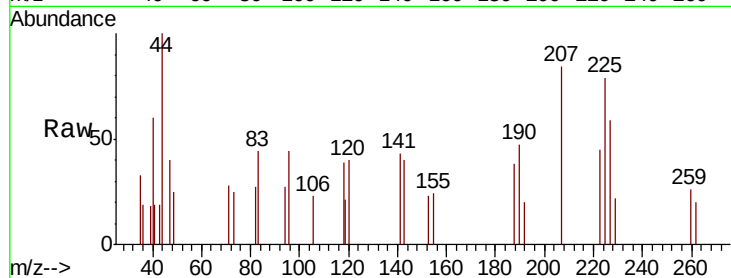
ClientSampleId :

VSTDIC001

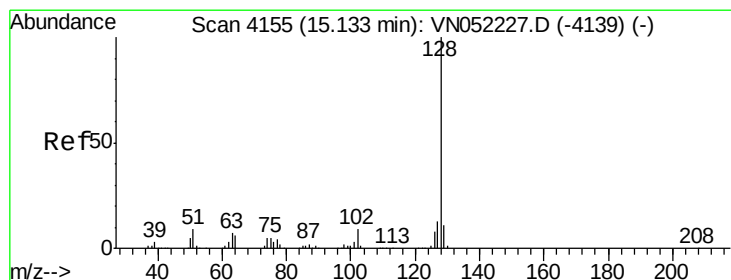
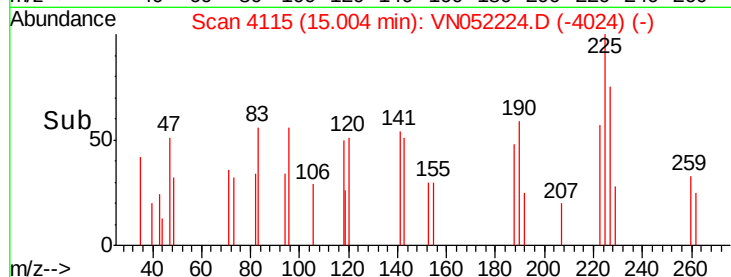
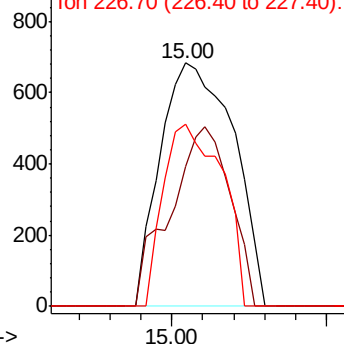
Tot Ion:	225	Resp:	1130
Ion Ratio	Lower	Upper	
225	100		
223	60.4	32.1	96.3
227	60.0	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:28 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.847 ug/l

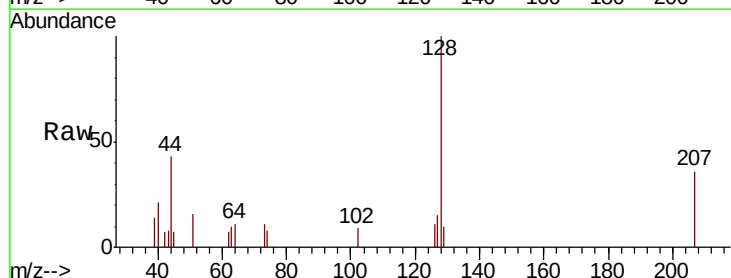
RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

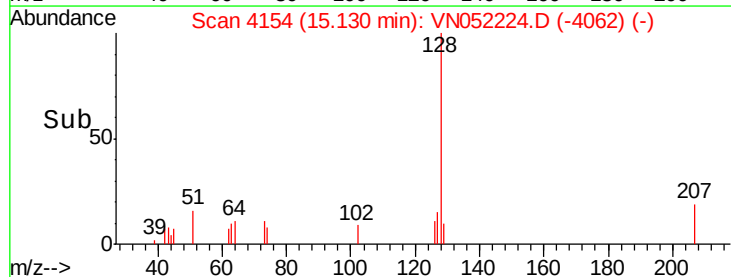
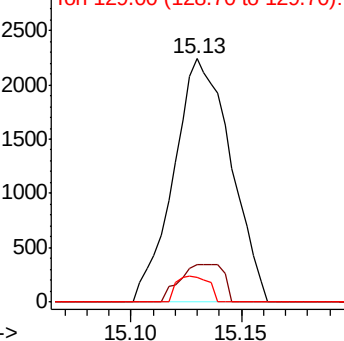
Lab File: VN052224.D

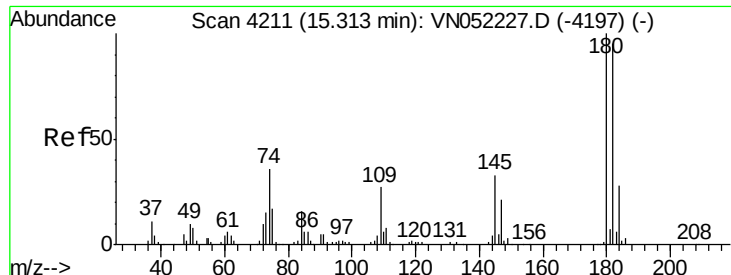
Acq: 9 Nov 2018 13:39

Tgt Ion:	128	Resp:	4037
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.6	16.0
129	6.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.950 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN052224.D
 Acq: 9 Nov 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	1738
Ion Ratio	Lower	Upper	
180	100		
182	87.4	47.7	143.1
145	26.7	16.8	50.3

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:28 AM

