

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051492.D
 Acq On : 25 Sep 2018 19:08
 Operator : MD\SY
 Sample : VN0926WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:53:42 AM

Quant Time: Sep 26 04:37:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	480922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	325918	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	7.59	113	290091	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.09	98	1051773	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	335528	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	79742	17.773	ug/l	98
3) Chloromethane	2.06	50	148088	20.734	ug/l	98
4) Vinyl Chloride	2.18	62	155392	19.712	ug/l	96
5) Bromomethane	2.57	94	95383	20.226	ug/l	100
6) Chloroethane	2.70	64	99674	20.292	ug/l	99
7) Trichlorofluoromethane	3.01	101	212706	20.600	ug/l	99
8) Diethyl Ether	3.42	74	61227	17.087	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	106364	18.252	ug/l	96
10) Methyl Iodide	3.96	142	132533	17.302	ug/l	97
11) Tert butyl alcohol	4.80	59	33714	99.158	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	95470	17.842	ug/l	97
13) Acrolein	3.61	56	29029	85.980	ug/l	97
14) Allyl chloride	4.33	41	167716	18.682	ug/l	99
15) Acrylonitrile	4.99	53	181379	98.066	ug/l	97
16) Acetone	3.82	43	128487	79.573	ug/l	97
17) Carbon Disulfide	4.05	76	265941	16.917	ug/l	99
18) Methyl Acetate	4.33	43	98227	21.409	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	271989	19.712	ug/l	98
20) Methylene Chloride	4.55	84	114922	19.278	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	103511	18.910	ug/l	98
22) Diisopropyl ether	5.96	45	361912	20.856	ug/l	97
23) Vinyl Acetate	5.90	43	1125011	98.748	ug/l	97
24) 1,1-Dichloroethane	5.85	63	214052	20.673	ug/l	99
25) 2-Butanone	6.84	43	201723	97.829	ug/l	96
26) 2,2-Dichloropropane	6.83	77	164720	20.380	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	120552	20.072	ug/l	99
28) Bromochloromethane	7.20	49	101678	21.265	ug/l	98
29) Tetrahydrofuran	7.22	42	138287	105.828	ug/l	96
30) Chloroform	7.37	83	215122	20.968	ug/l	97
31) Cyclohexane	7.65	56	179662	18.939	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	183167	20.884	ug/l	100
36) 1,1-Dichloropropene	7.80	75	156780	19.467	ug/l	97
37) Ethyl Acetate	6.93	43	91717	19.807	ug/l	98
38) Carbon Tetrachloride	7.78	117	163176	19.371	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051492.D
 Acq On : 25 Sep 2018 19:08
 Operator : MD\SY
 Sample : VN0926WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:53:42 AM

Quant Time: Sep 26 04:37:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	164378	17.460	ug/l	94
40) Benzene	8.04	78	472409	19.977	ug/l	100
41) Methacrylonitrile	7.18	41	49926	19.489	ug/l	96
42) 1,2-Dichloroethane	8.13	62	154079	20.349	ug/l	100
43) Isopropyl Acetate	8.17	43	167279	19.978	ug/l	97
44) Trichloroethene	8.84	130	120764	19.227	ug/l	96
45) 1,2-Dichloropropane	9.12	63	130195	20.254	ug/l	98
46) Dibromomethane	9.21	93	73133	20.136	ug/l	99
47) Bromodichloromethane	9.40	83	161482	20.091	ug/l	99
48) Methyl methacrylate	9.20	41	82934	19.866	ug/l	97
49) 1,4-Dioxane	9.20	88	20453	399.768	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	459230	99.725	ug/l	100
52) Toluene	10.16	92	283618	19.299	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	152937	18.847	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	180757	19.209	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	107921	20.779	ug/l	97
56) Ethyl methacrylate	10.43	69	120263	18.939	ug/l	99
57) 1,3-Dichloropropane	10.71	76	178288	20.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	290733	98.078	ug/l	99
59) 2-Hexanone	10.75	43	281388	94.260	ug/l	98
60) Dibromochloromethane	10.90	129	117616	19.193	ug/l	99
61) 1,2-Dibromoethane	11.01	107	98174	19.472	ug/l	99
64) Tetrachloroethene	10.63	164	111505	19.595	ug/l	96
65) Chlorobenzene	11.43	112	305038	18.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	121202	19.775	ug/l	97
67) Ethyl Benzene	11.51	91	502468	18.533	ug/l	99
68) m/p-Xylenes	11.62	106	390279	37.216	ug/l	98
69) o-Xylene	11.95	106	190935	18.939	ug/l	99
70) Styrene	11.96	104	294978	18.465	ug/l	99
71) Bromoform	12.13	173	78063	18.770	ug/l #	100
73) Isopropylbenzene	12.25	105	507462	19.853	ug/l	99
74) N-amyl acetate	12.07	43	122158	19.047	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	127773	21.436	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	110670m	22.005	ug/l	
77) Bromobenzene	12.53	156	129177	19.963	ug/l	97
78) n-propylbenzene	12.59	91	566426	19.662	ug/l	98
79) 2-Chlorotoluene	12.67	91	348330	20.200	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421036	20.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30083	18.393	ug/l	98
82) 4-Chlorotoluene	12.77	91	337750	19.624	ug/l	98
83) tert-Butylbenzene	12.99	119	359808	19.395	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	422690	20.125	ug/l	100
85) sec-Butylbenzene	13.17	105	501310	19.974	ug/l	98
86) p-Isopropyltoluene	13.29	119	423339	19.494	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	215259	19.223	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	205094	19.035	ug/l	99
89) n-Butylbenzene	13.62	91	322754	18.073	ug/l	98
90) Hexachloroethane	13.87	117	83183	19.224	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	214464	19.739	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17792	20.916	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051492.D
Acq On : 25 Sep 2018 19:08
Operator : MD\SY
Sample : VN0926WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

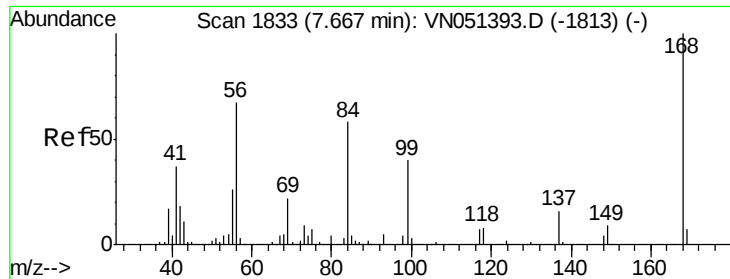
Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM

Quant Time: Sep 26 04:37:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81571	18.241	ug/l	98
94) Hexachlorobutadiene	15.01	225	79671	19.381	ug/l	99
95) Naphthalene	15.13	128	139389	18.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	85913	16.477	ug/l	97

(#) = 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: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion:168 Resp: 480922

Ion Ratio Lower Upper

168 100

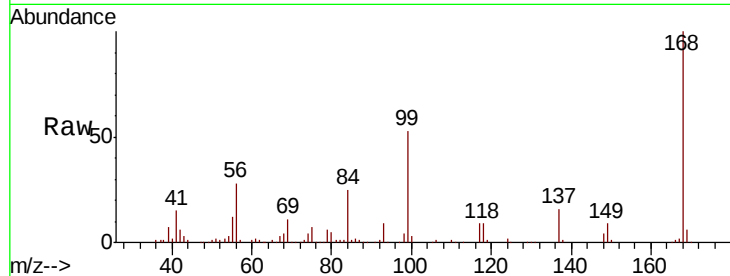
99 52.8 40.2 60.2

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:53:42 AM



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

200000

150000

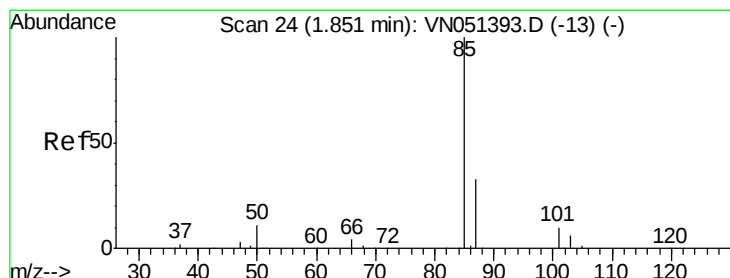
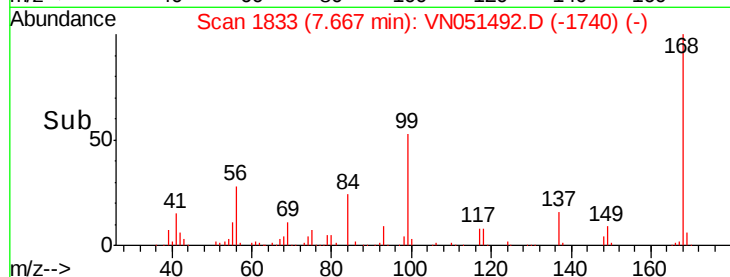
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.773 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051492.D

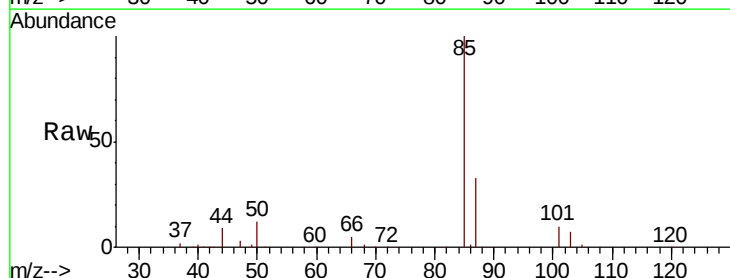
Acq: 25 Sep 2018 19:08

Tgt Ion: 85 Resp: 79742

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN051393.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051393.D (-13) (-)

1.85

60000

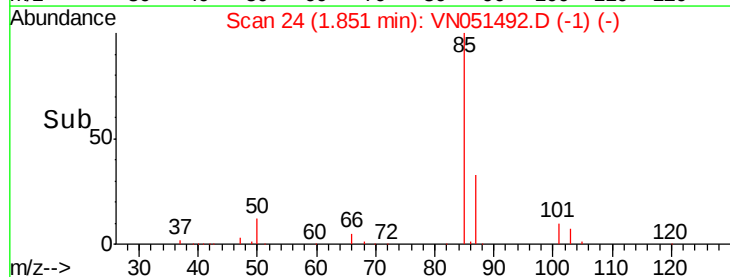
40000

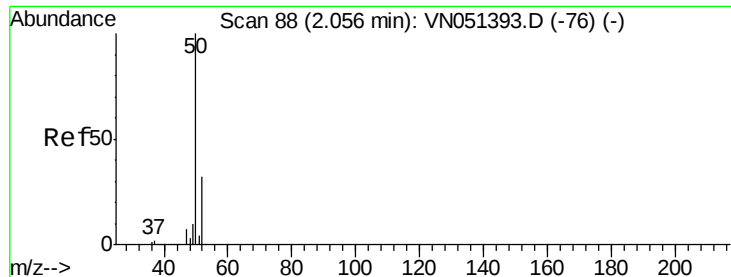
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.734 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 50 Resp: 148088

Ion Ratio Lower Upper

50 100

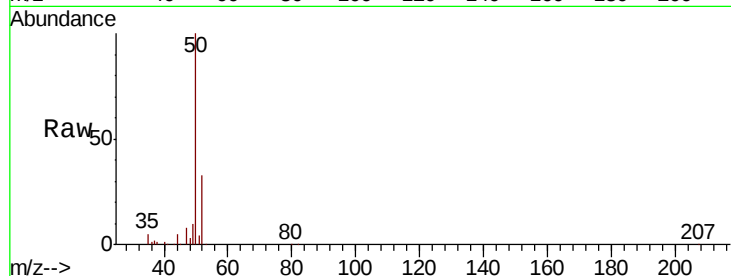
52 33.0 25.7 38.5

Manual Integrations

APPROVED

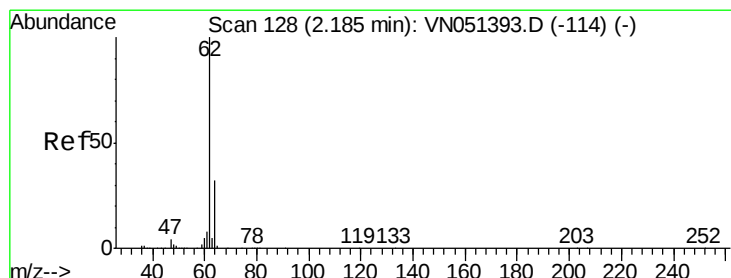
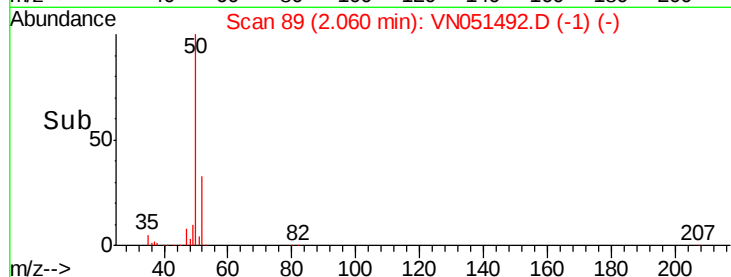
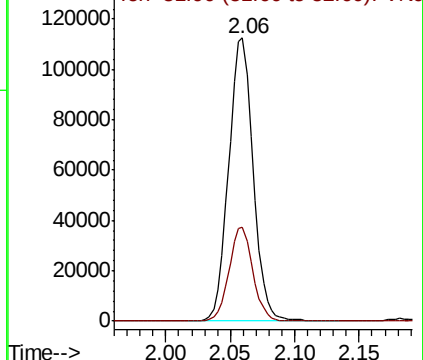
mmdadoda

9/30/2018 9:53:42 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.712 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051492.D

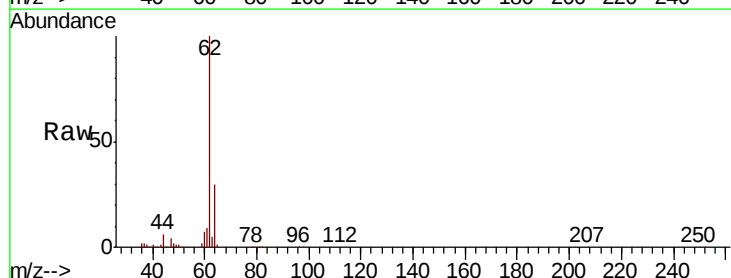
Acq: 25 Sep 2018 19:08

Tgt Ion: 62 Resp: 155392

Ion Ratio Lower Upper

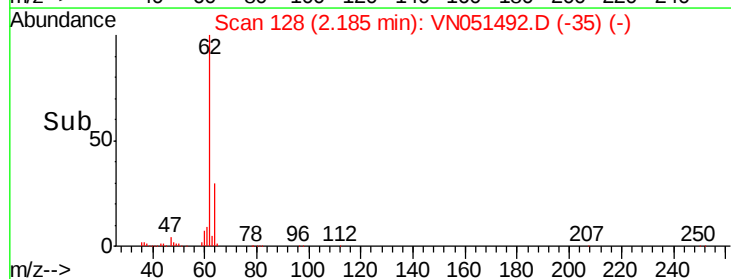
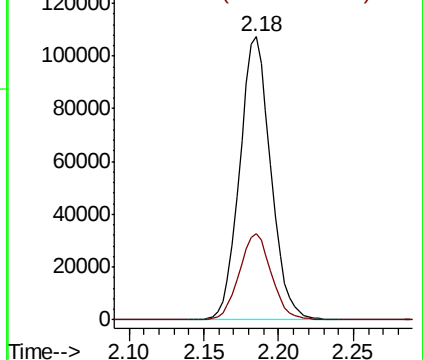
62 100

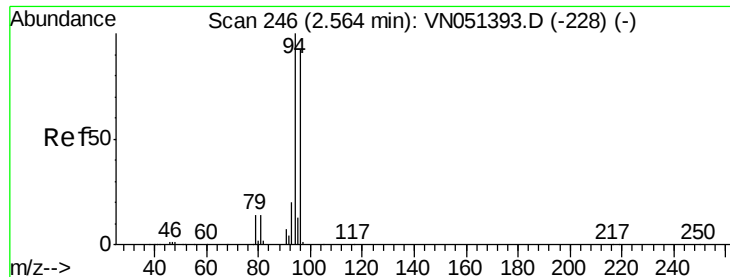
64 30.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.226 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 94 Resp: 95383

Ion Ratio Lower Upper

94 100

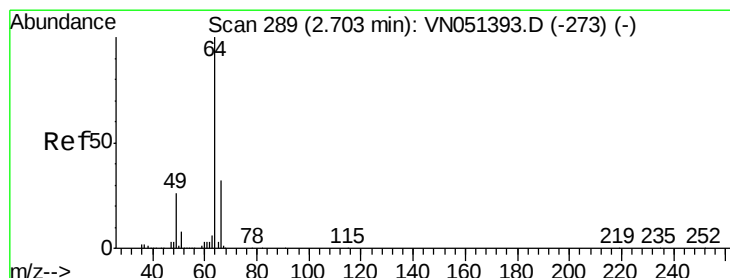
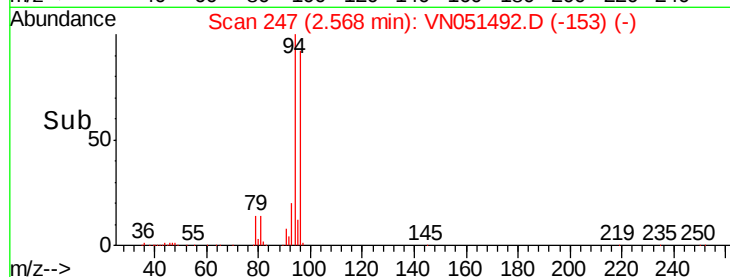
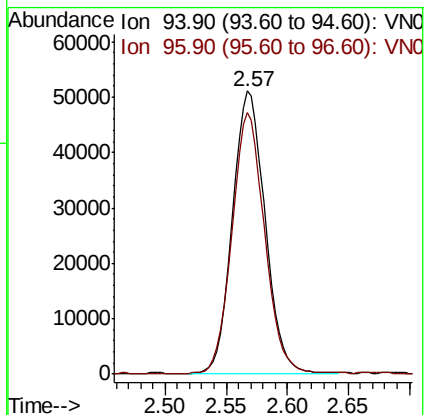
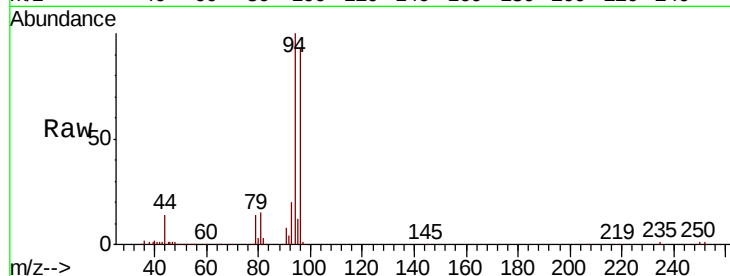
96 92.2 73.6 110.4

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:53:42 AM



#6

Chloroethane

Concen: 20.292 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051492.D

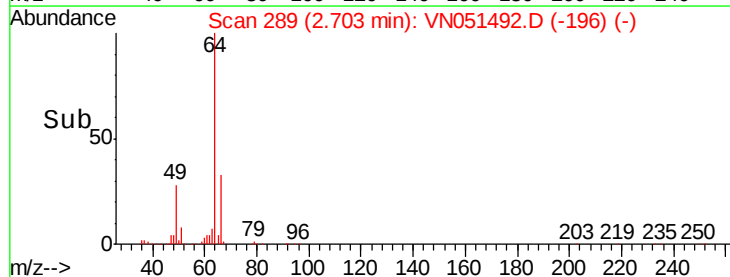
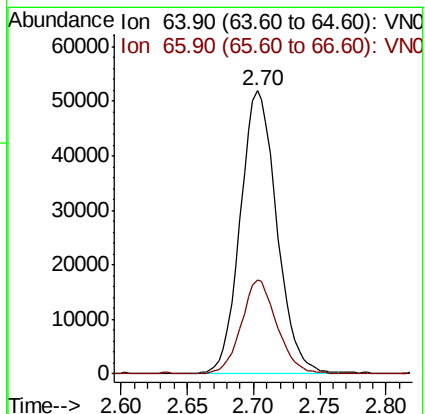
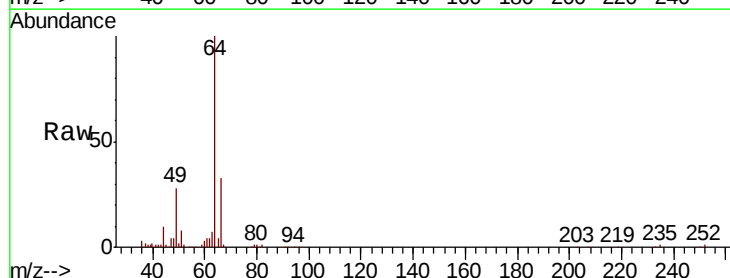
Acq: 25 Sep 2018 19:08

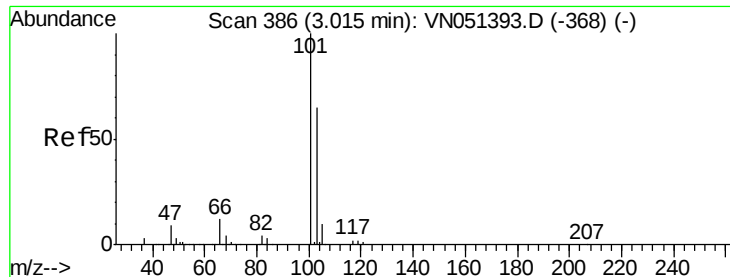
Tgt Ion: 64 Resp: 99674

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9





#7

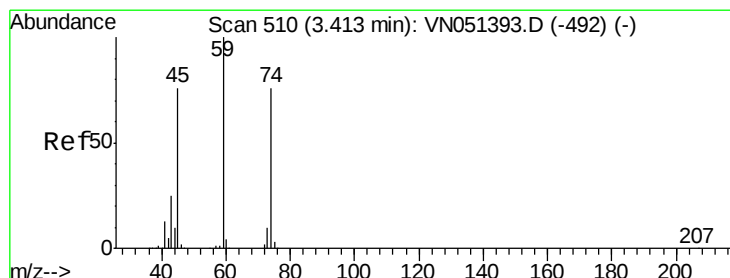
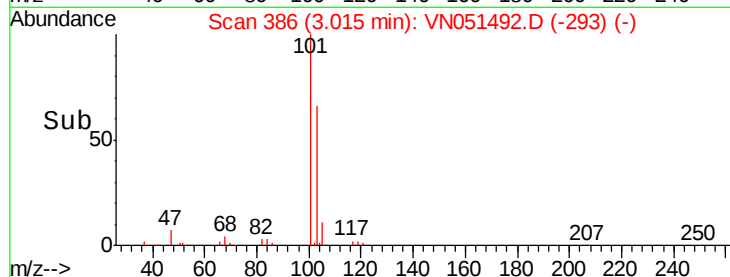
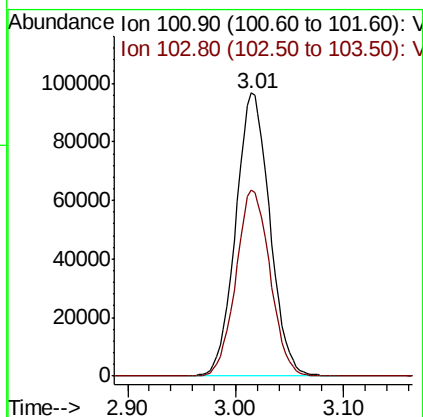
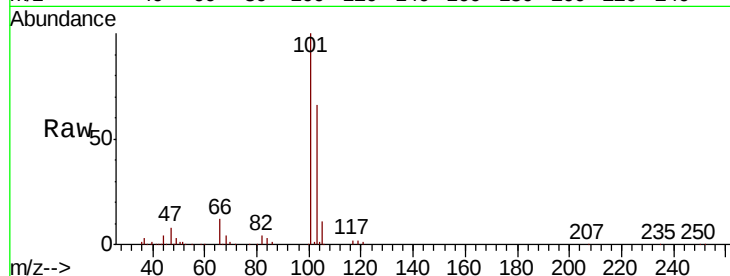
Trichlorofluoromethane
 Concen: 20.600 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.8	77.8

Manual Integrations
 APPROVED

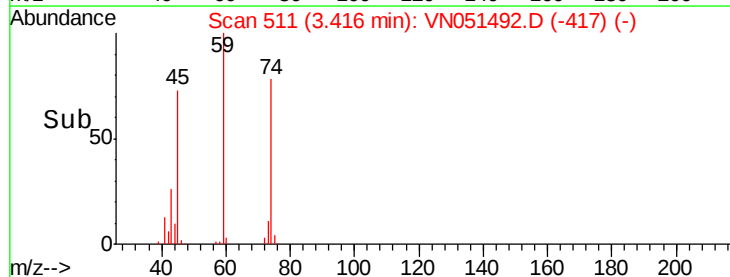
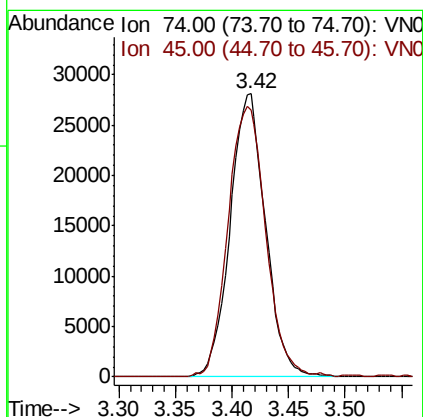
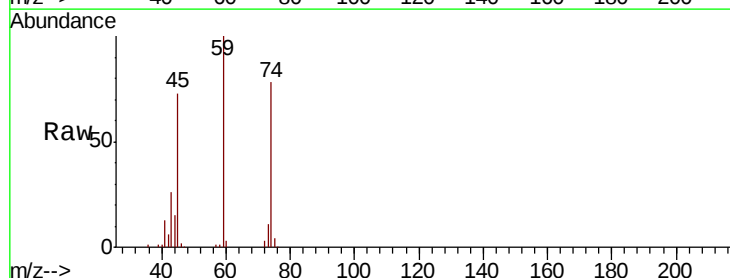
mmdadoda
 9/30/2018 9:53:42 AM

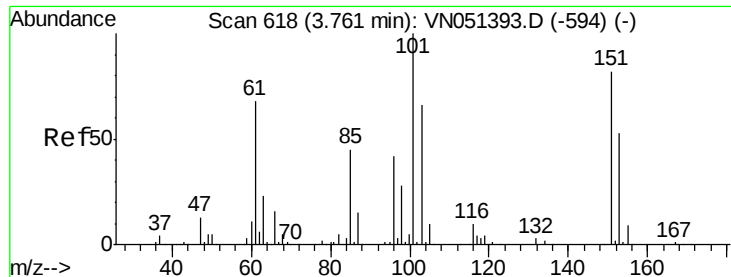


#8

Diethyl Ether
 Concen: 17.087 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	50.2	150.7





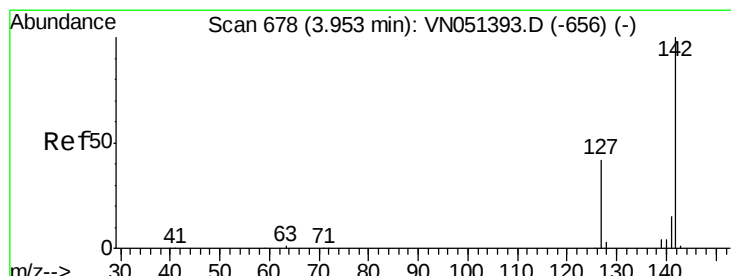
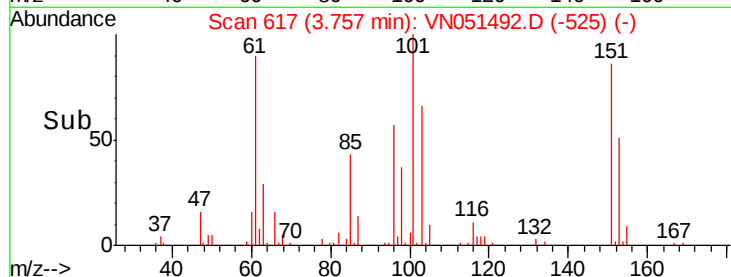
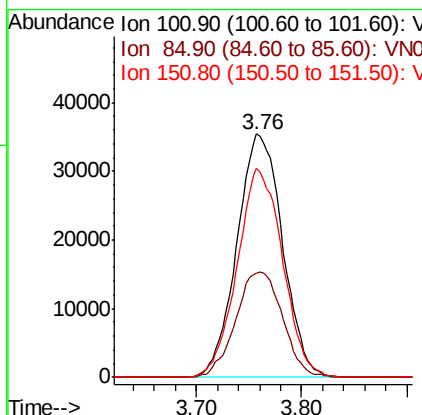
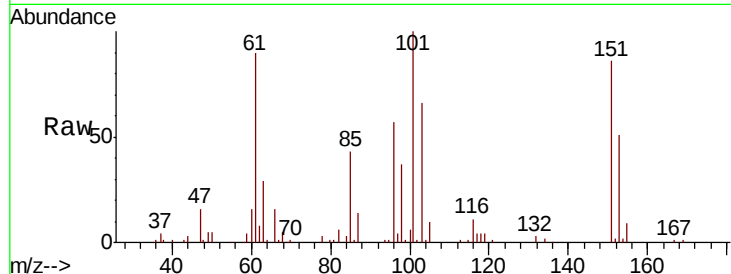
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.252 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	106364		
85	44.4	33.9	50.9	
151	85.4	65.2	97.8	

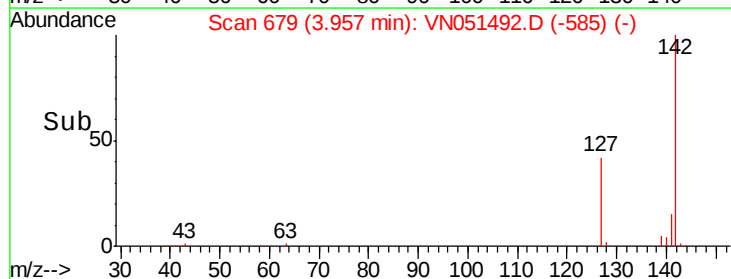
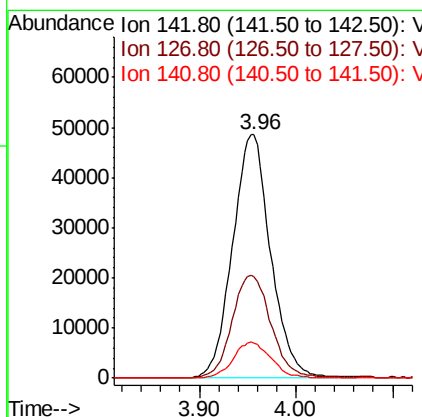
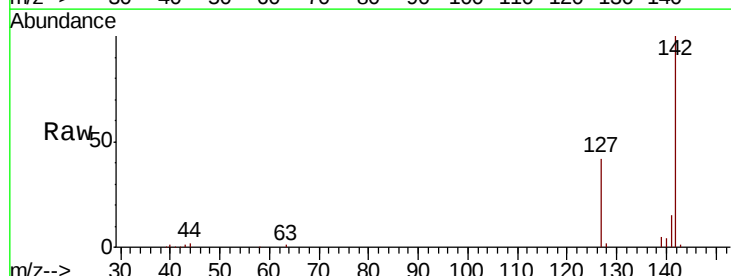
Manual Integrations
 APPROVED

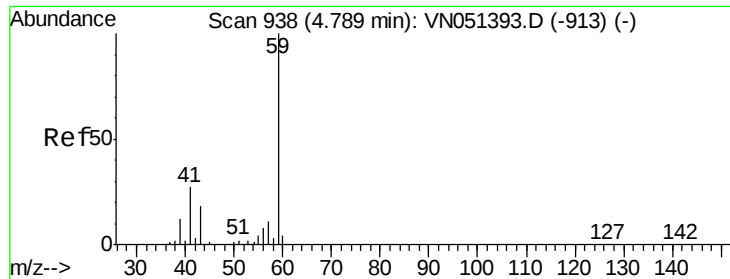
mmdadoda
 9/30/2018 9:53:42 AM



#10
 Methyl Iodide
 Concen: 17.302 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	132533		
127	43.5	33.2	49.8	
141	14.7	11.5	17.3	





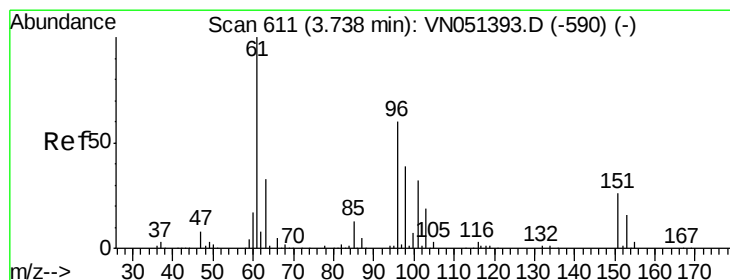
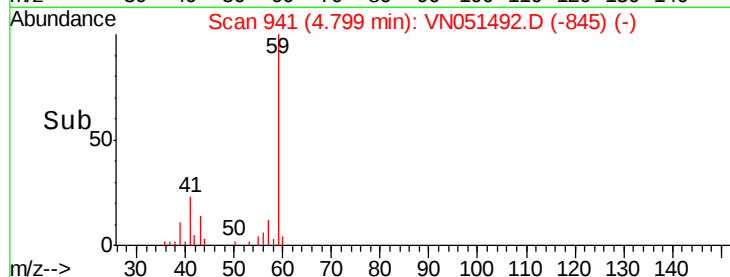
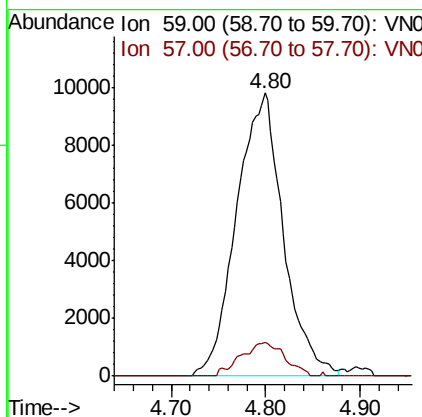
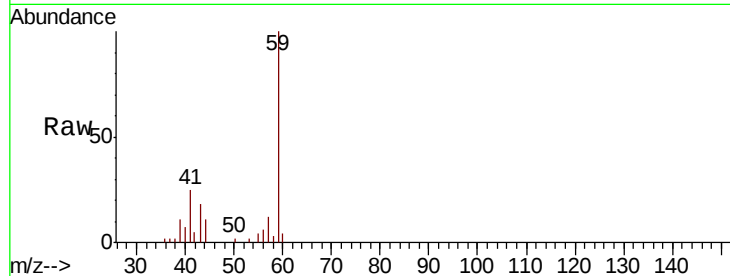
#11
Tert butyl alcohol
Concen: 99.158 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 59 Resp: 33714
Ion Ratio Lower Upper
59 100
57 11.3 6.2 9.2#

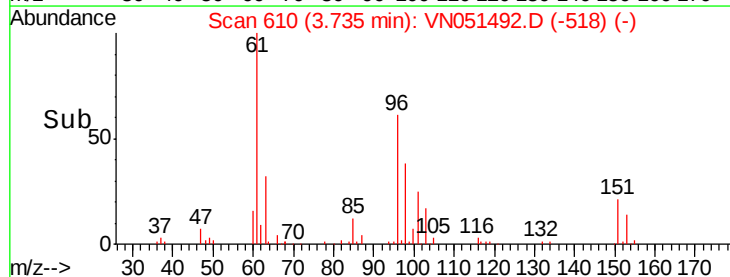
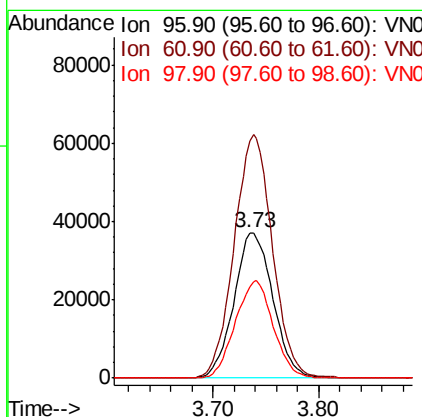
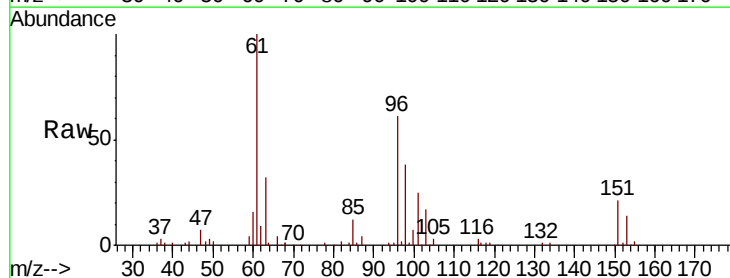
Manual Integrations
APPROVED

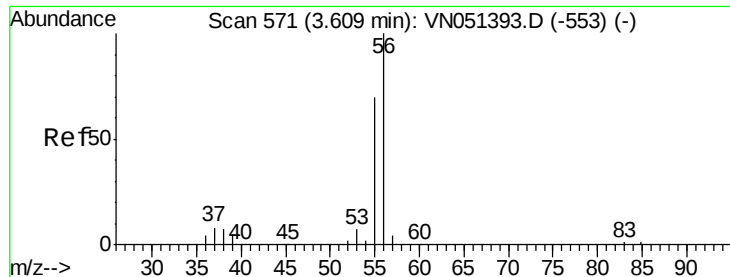
mmdadoda
9/30/2018 9:53:42 AM



#12
1,1-Dichloroethene
Concen: 17.842 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 96 Resp: 95470
Ion Ratio Lower Upper
96 100
61 162.6 133.6 200.4
98 62.4 52.2 78.2





#13

Acrolein

Concen: 85.980 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 56 Resp: 29029

Ion Ratio Lower Upper

56 100

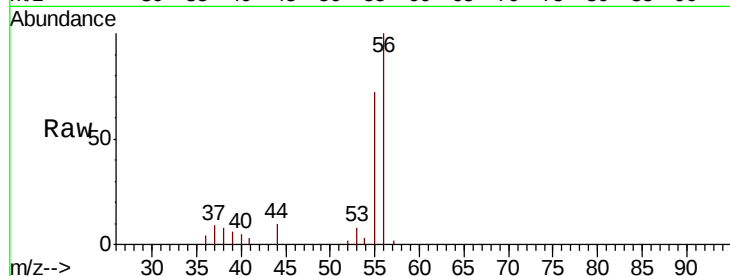
55 75.1 57.8 86.8

Manual Integrations

APPROVED

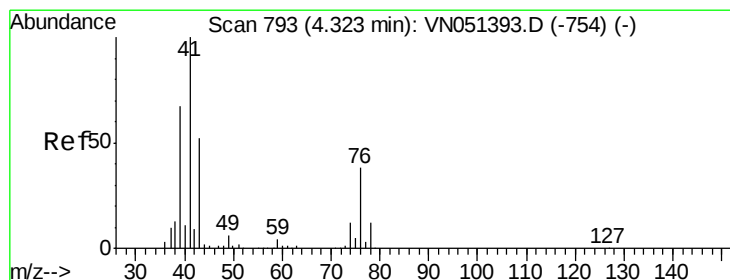
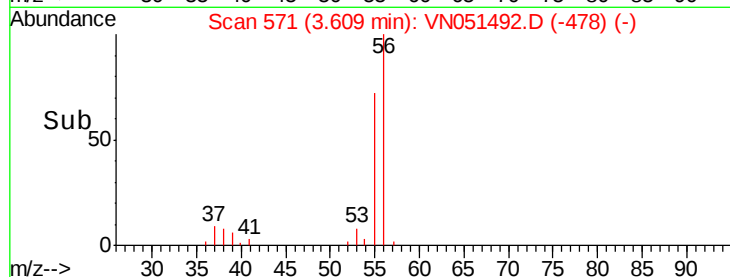
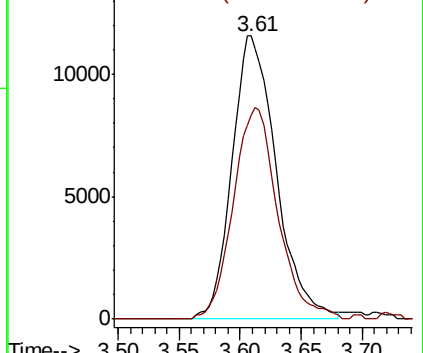
mmdadoda

9/30/2018 9:53:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.682 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

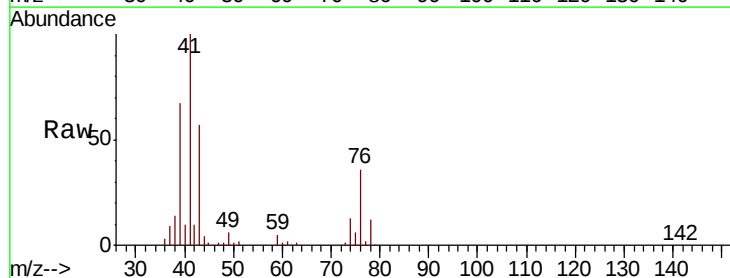
Tgt Ion: 41 Resp: 167716

Ion Ratio Lower Upper

41 100

39 63.0 51.4 77.2

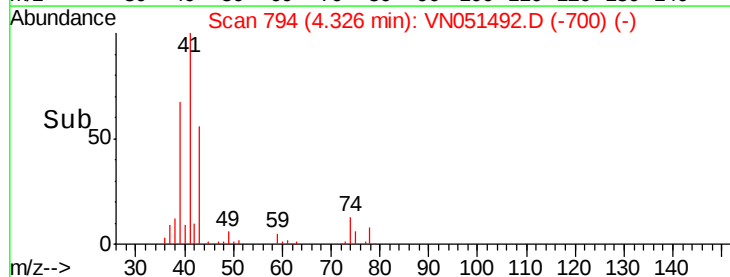
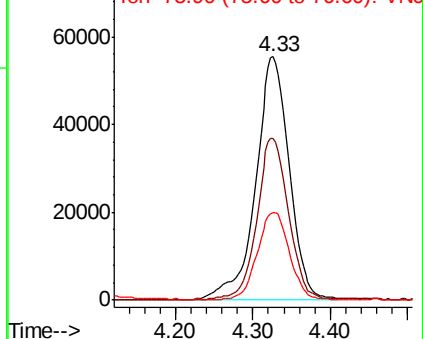
76 34.7 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.066 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

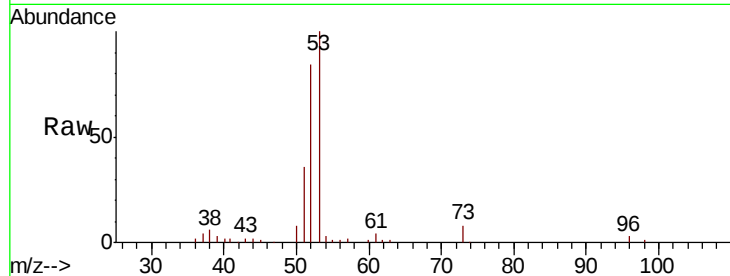
ClientSampleId :

VN0926WBSD01

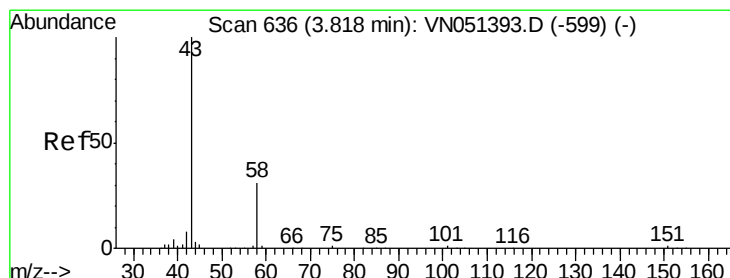
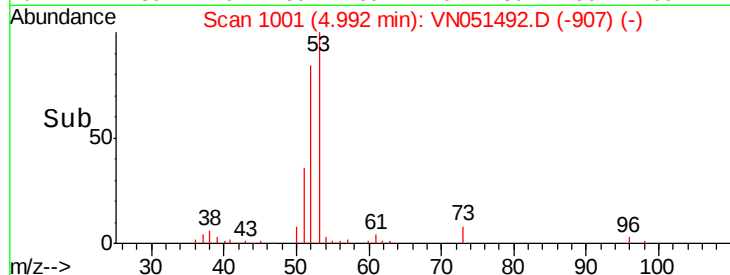
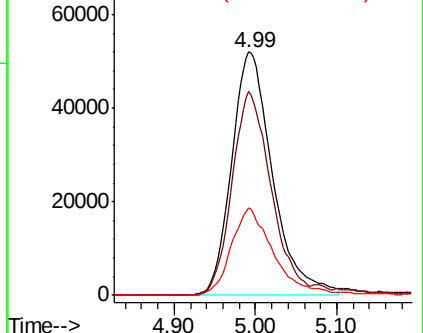
Tgt Ion:	53	Resp:	181379
Ion	Ratio	Lower	Upper
53	100		
52	79.6	66.2	99.2
51	36.7	28.6	42.8

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 79.573 ug/l

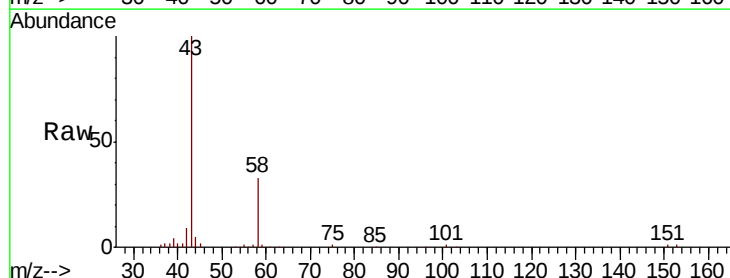
RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

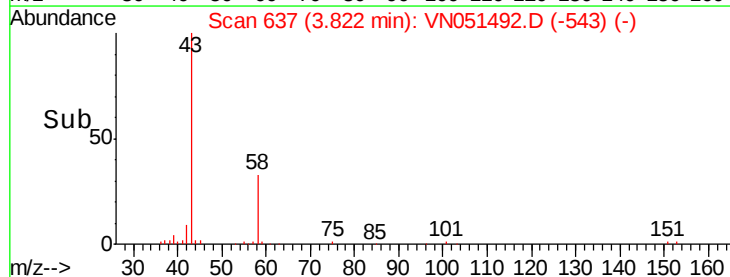
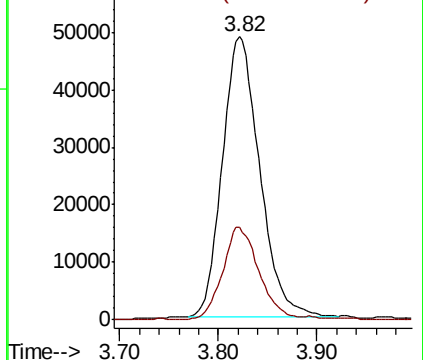
Lab File: VN051492.D

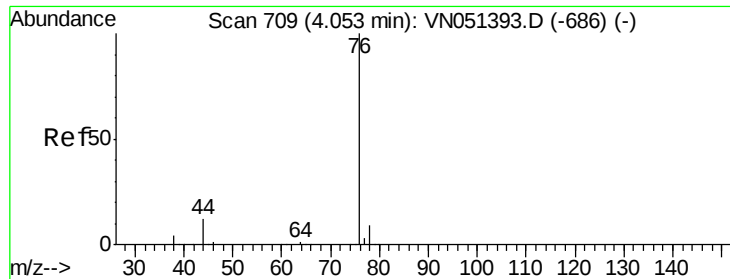
Acq: 25 Sep 2018 19:08

Tgt Ion:	43	Resp:	128487
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.0	37.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





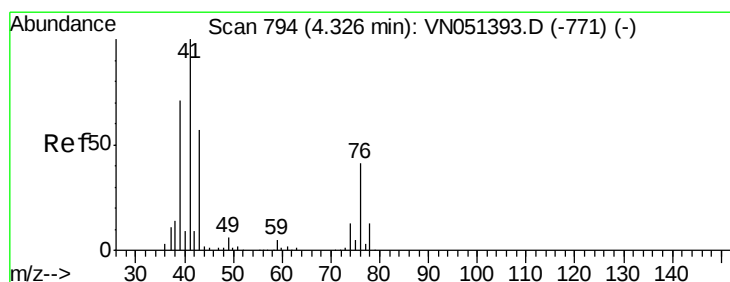
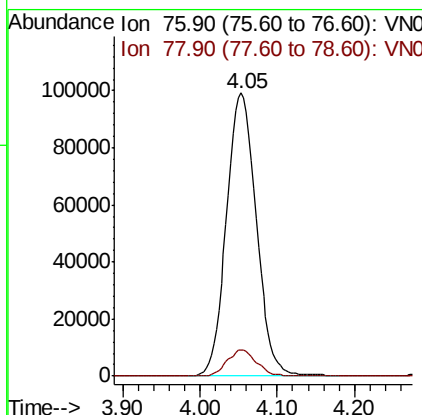
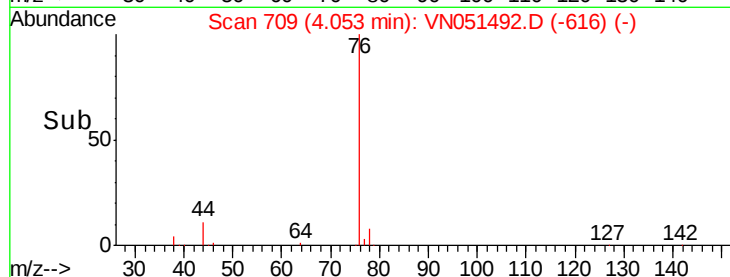
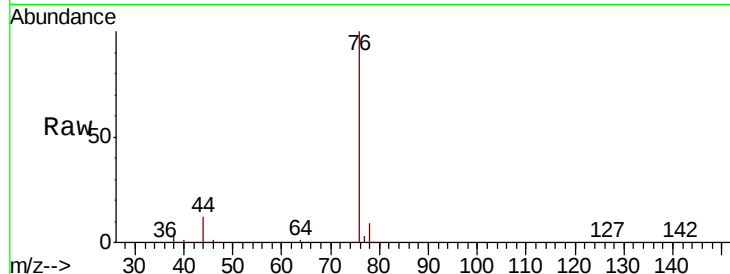
#17
Carbon Disulfide
Concen: 16.917 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 76 Resp: 265941
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

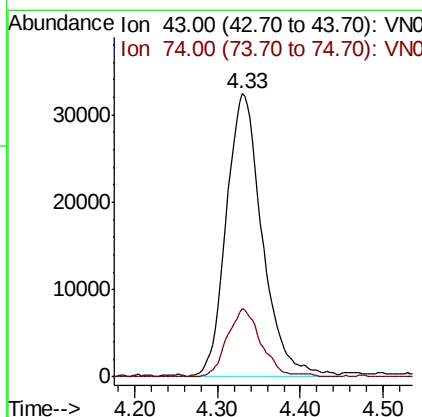
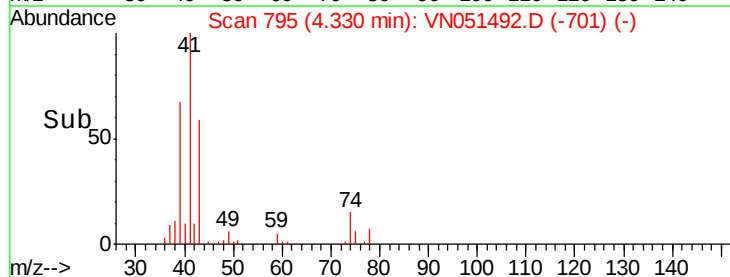
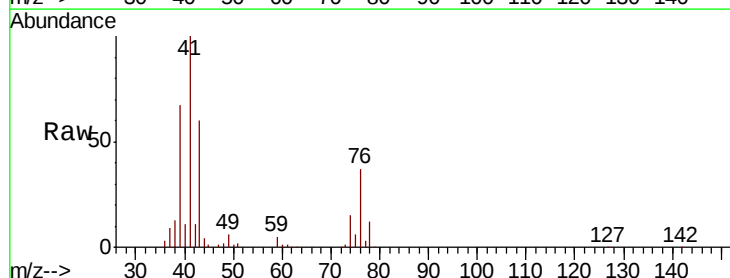
Manual Integrations
APPROVED

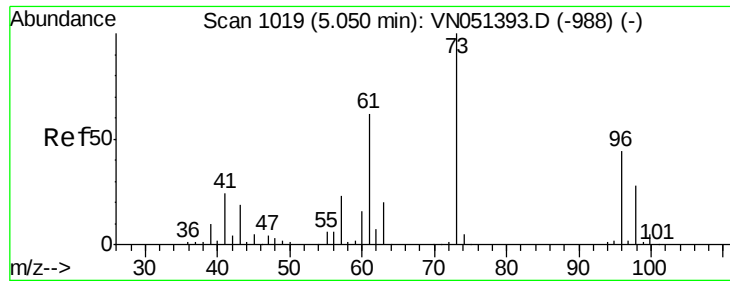
mmdadoda
9/30/2018 9:53:42 AM



#18
Methyl Acetate
Concen: 21.409 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 43 Resp: 98227
Ion Ratio Lower Upper
43 100
74 22.5 18.8 28.2





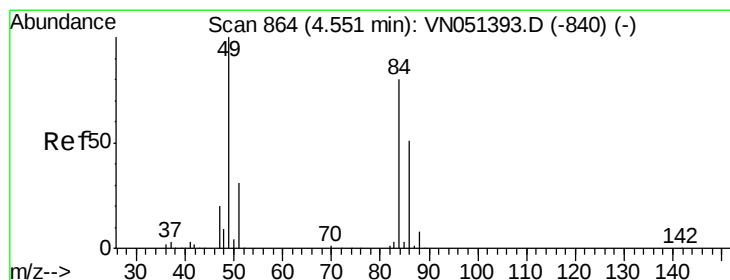
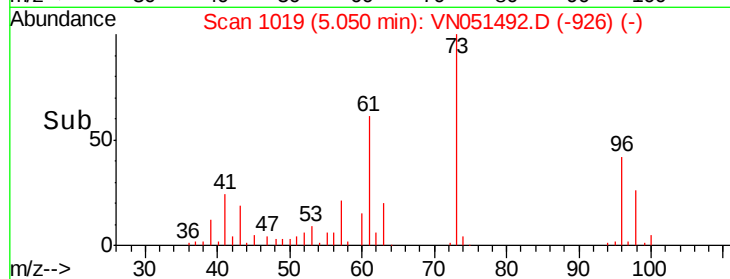
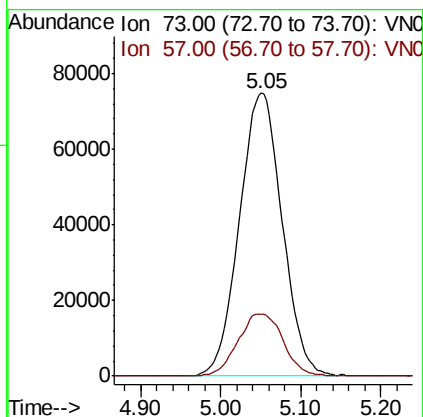
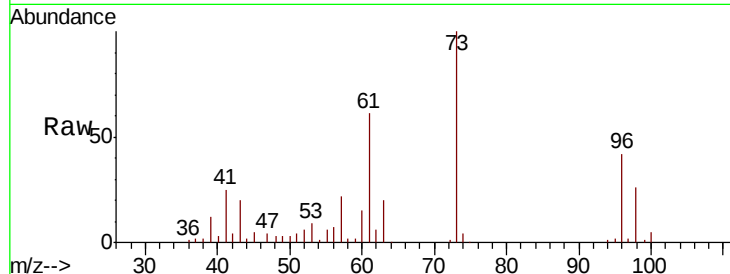
#19
Methyl tert-butyl Ether
Concen: 19.712 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 73 Resp: 271989
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5

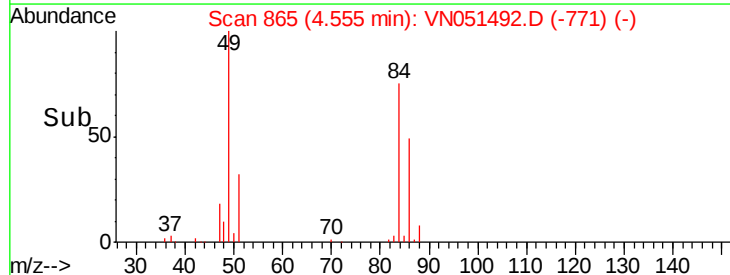
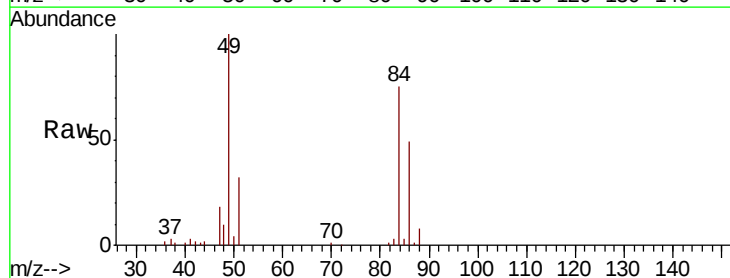
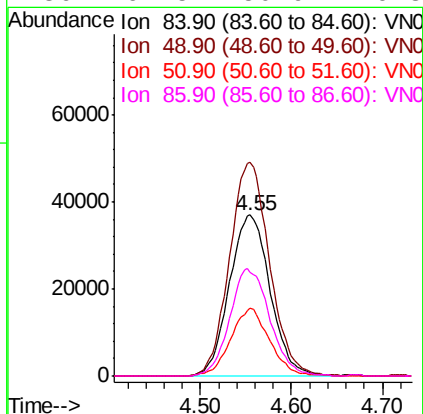
Manual Integrations
APPROVED

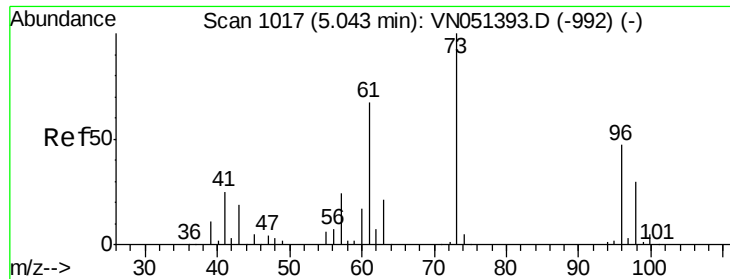
mmdadoda
9/30/2018 9:53:42 AM



#20
Methylene Chloride
Concen: 19.278 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 84 Resp: 114922
Ion Ratio Lower Upper
84 100
49 132.8 99.9 149.9
51 41.9 31.4 47.2
86 64.5 50.9 76.3





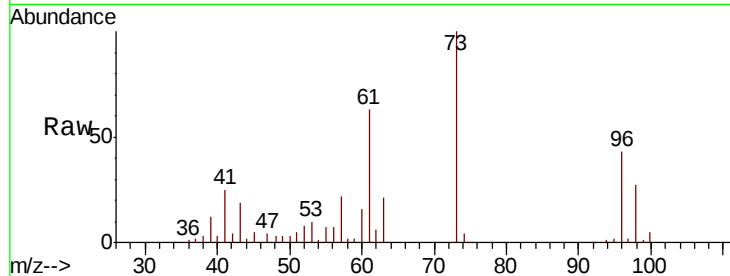
#21
trans-1,2-Dichloroethene
Concen: 18.910 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	113.4	170.2
98	63.2	51.1	76.7

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM

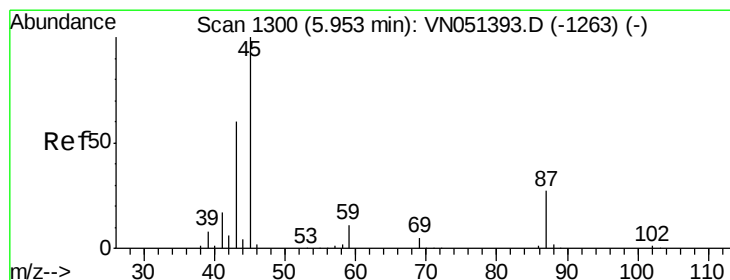
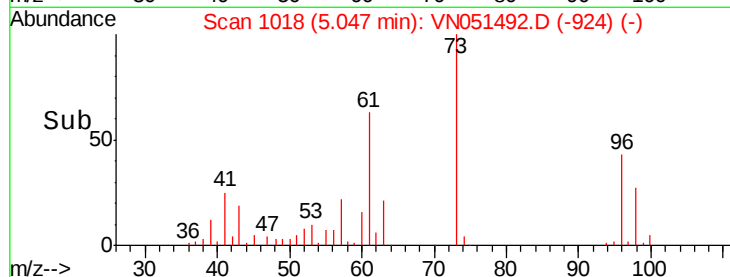
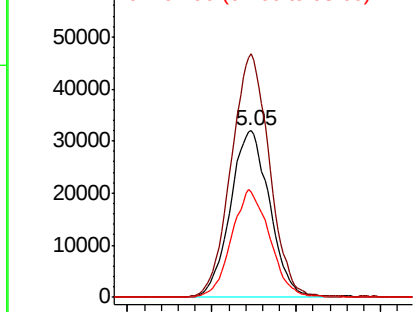


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.856 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	47.7	71.5
87	27.8	22.0	33.0
59	12.3	9.3	13.9

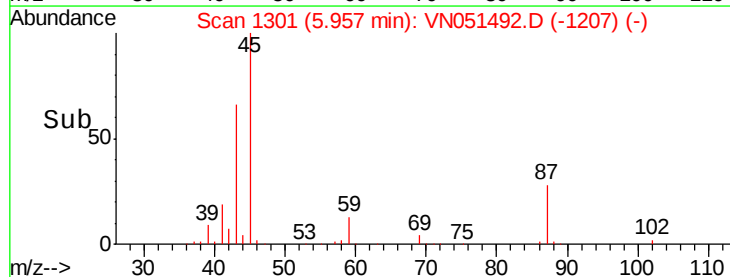
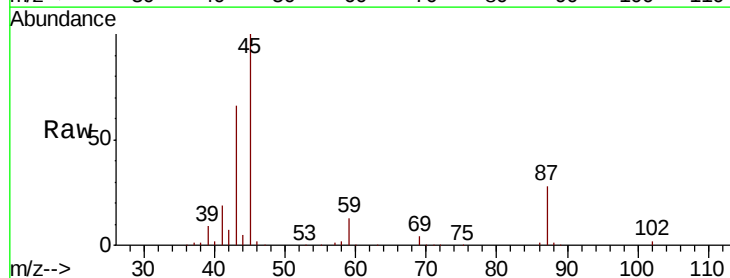
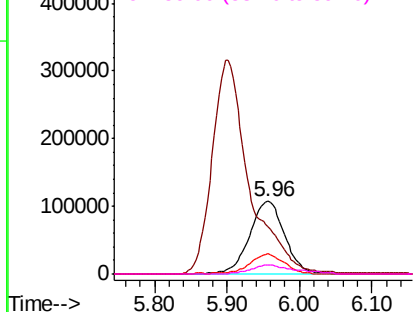
Abundance

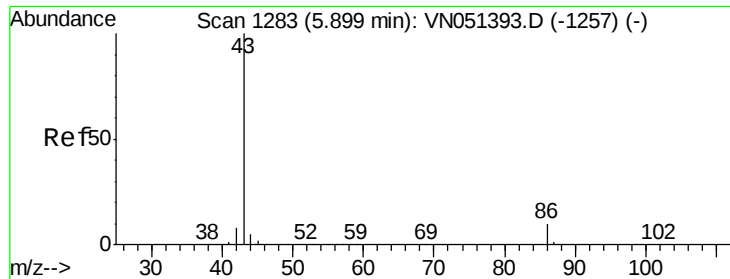
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





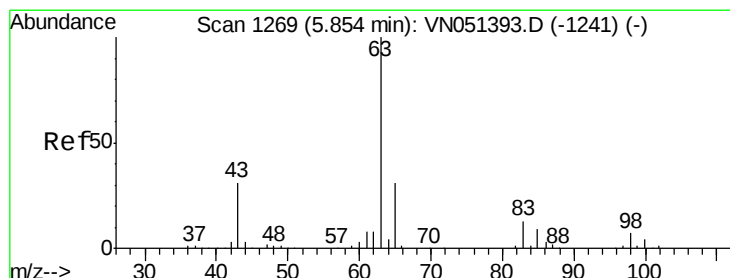
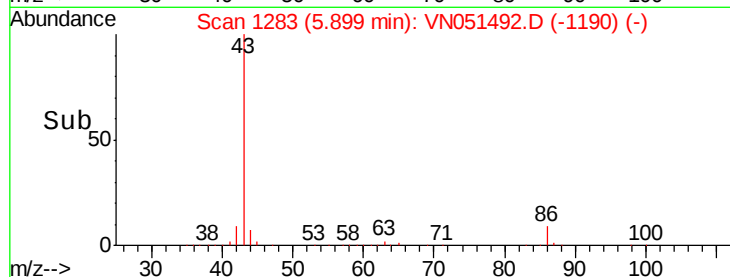
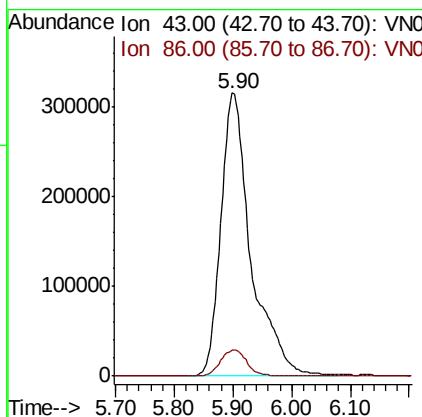
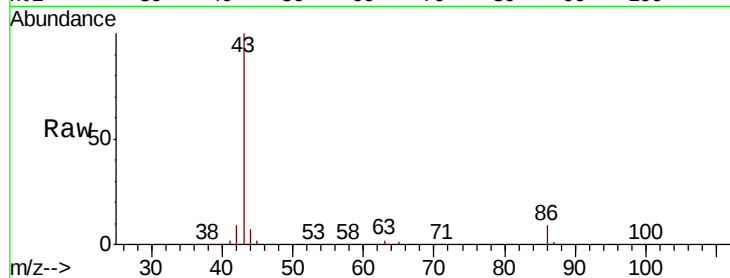
#23
 Vinyl Acetate
 Concen: 98.748 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBSD01

Tgt Ion: 43 Resp: 1125011
 Ion Ratio Lower Upper
 43 100
 86 9.2 8.2 12.2

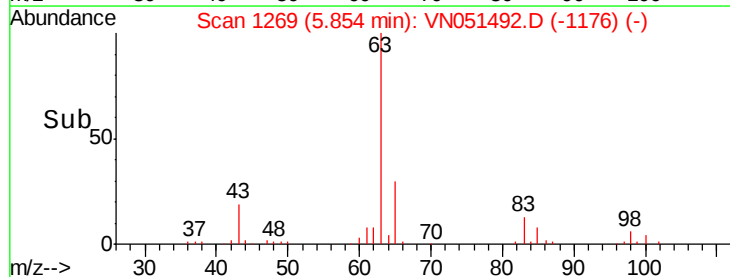
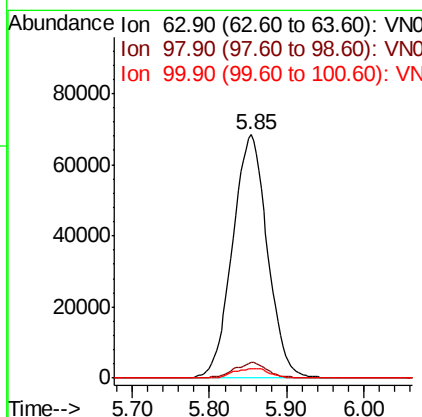
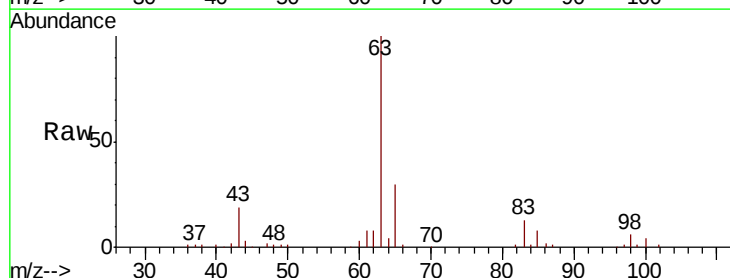
Manual Integrations
 APPROVED

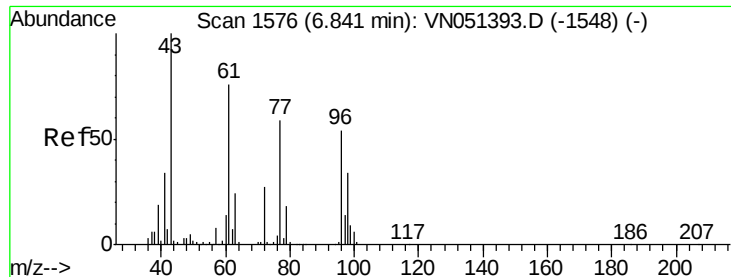
mmdadoda
 9/30/2018 9:53:42 AM



#24
 1,1-Dichloroethane
 Concen: 20.673 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 63 Resp: 214052
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.1
 100 4.0 2.2 6.6





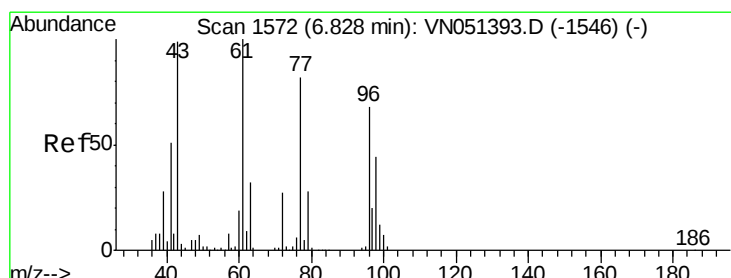
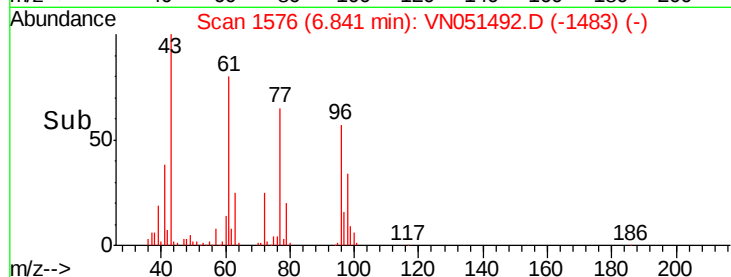
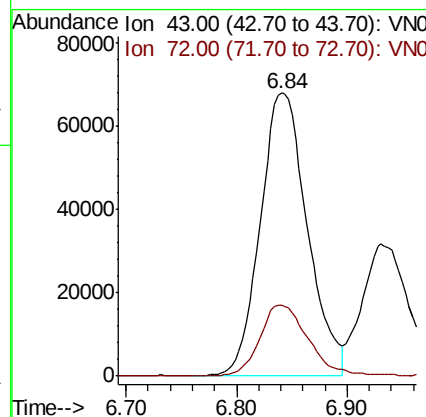
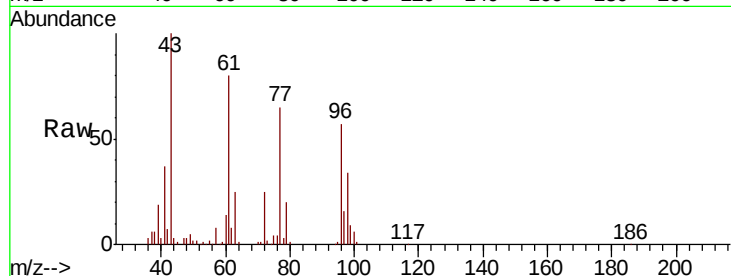
#25
2-Butanone
Concen: 97.829 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 43 Resp: 201723
Ion Ratio Lower Upper
43 100
72 25.1 21.8 32.6

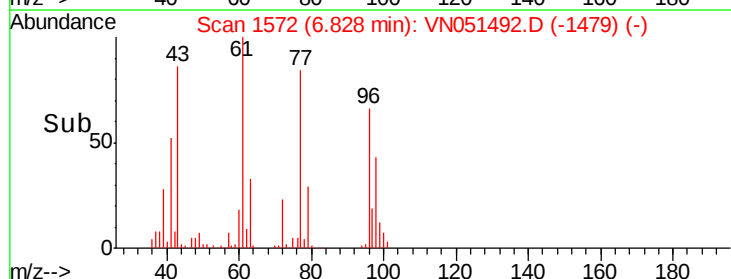
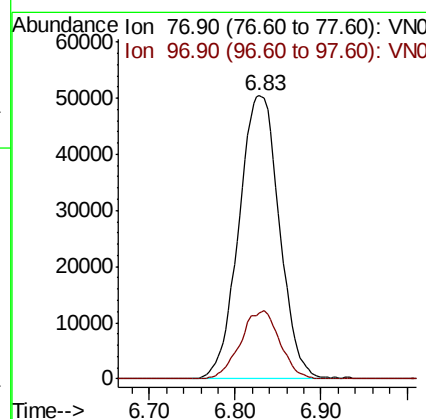
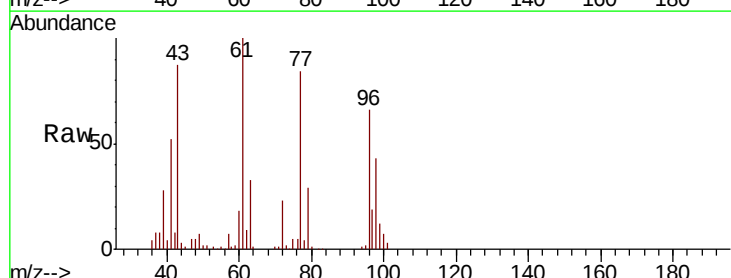
Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#26
2,2-Dichloropropane
Concen: 20.380 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 77 Resp: 164720
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.072 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

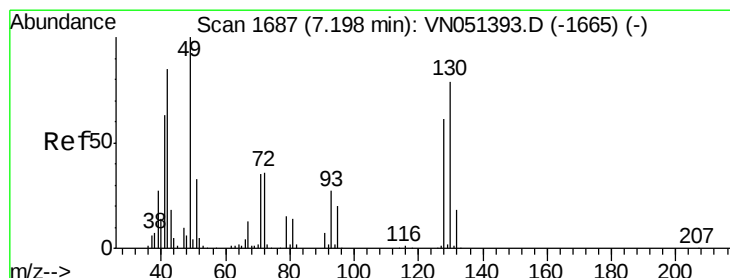
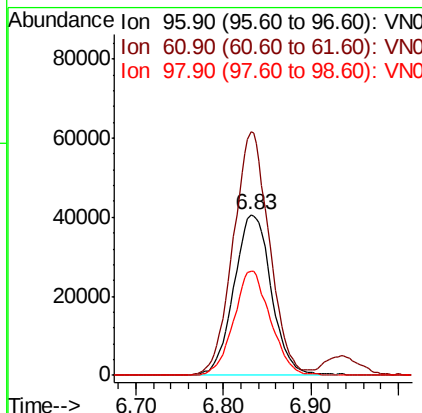
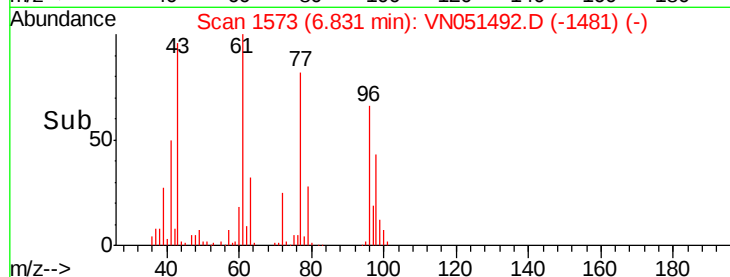
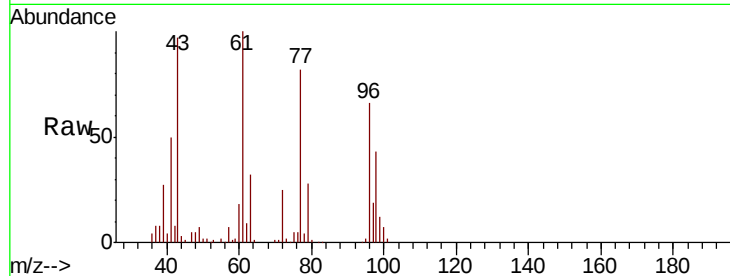
ClientSampleId :

VN0926WBSD01

Tgt Ion:	96	Resp:	120552
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	291.4
98	63.8	0.0	128.4

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#28

Bromochloromethane

Concen: 21.265 ug/l

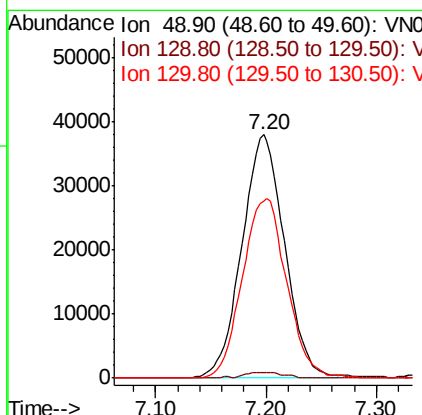
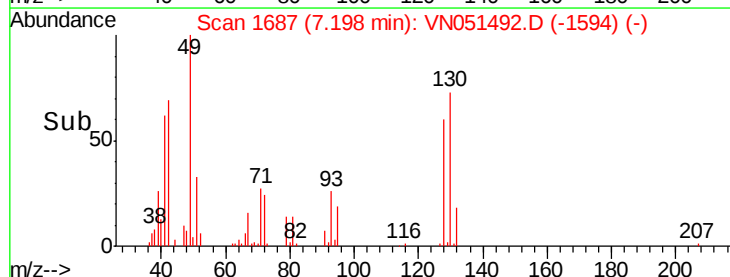
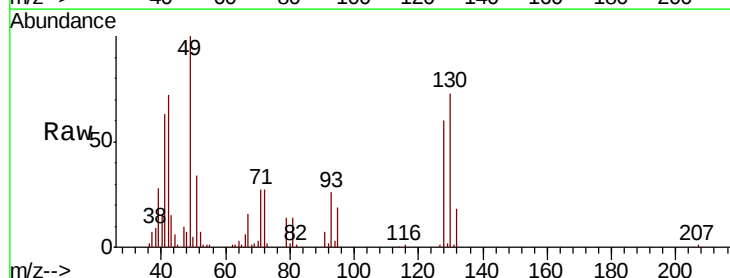
RT: 7.20 min Scan# 1687

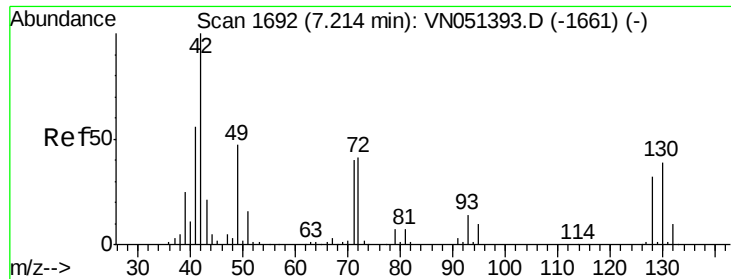
Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Tgt Ion:	49	Resp:	101678
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	76.7	63.0	94.4





#29

Tetrahydrofuran

Concen: 105.828 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 42 Resp: 138287
Ion Ratio Lower Upper

42 100

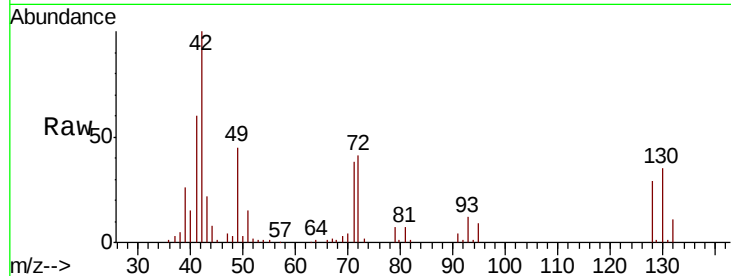
72 39.5 34.3 51.5

71 38.7 32.2 48.4

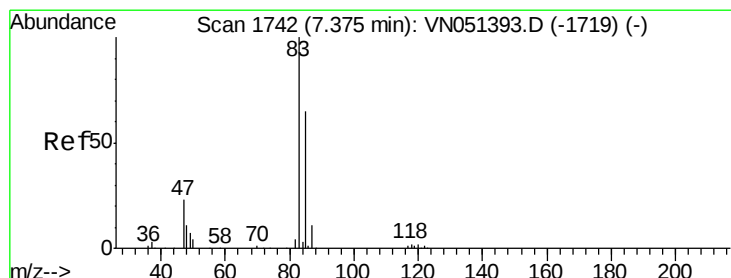
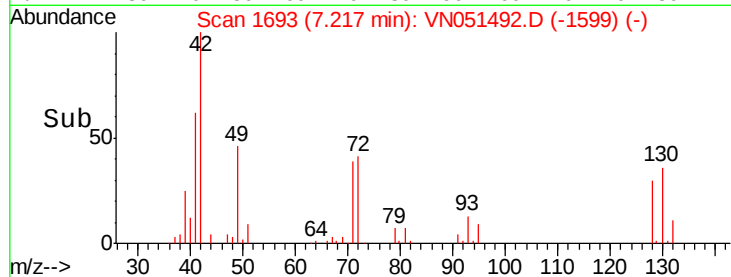
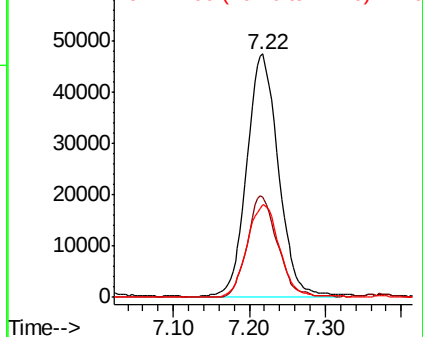
Manual Integrations
APPROVED

mmdadoda

9/30/2018 9:53:42 AM



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.968 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

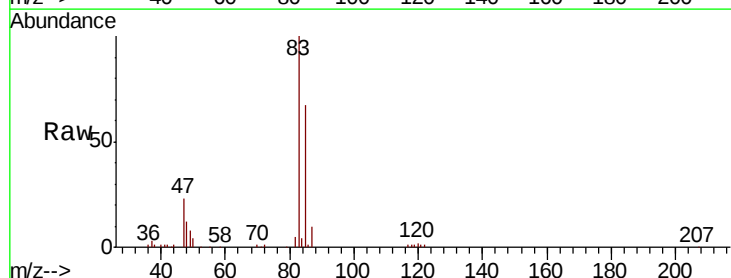
Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

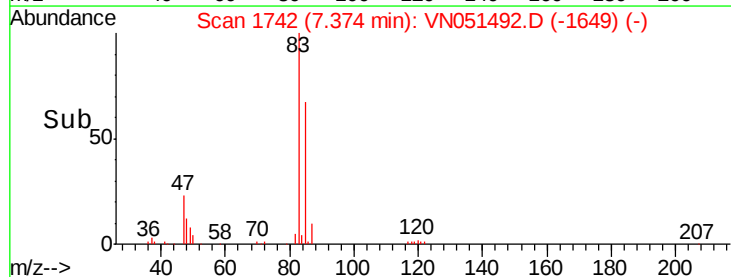
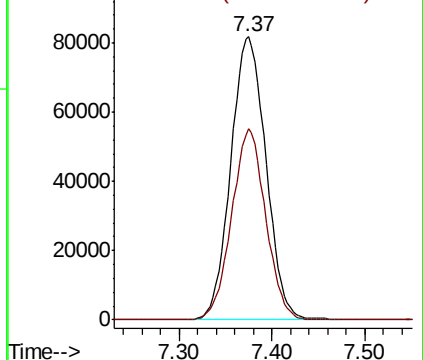
Tgt Ion: 83 Resp: 215122
Ion Ratio Lower Upper

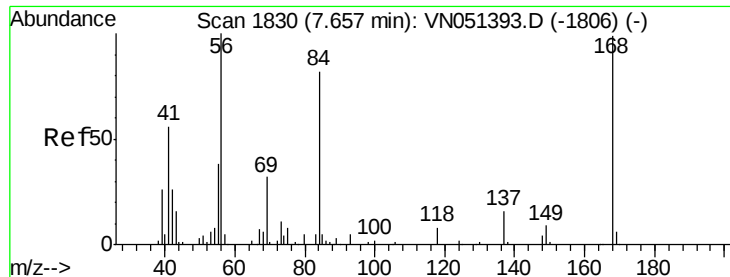
83 100

85 67.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





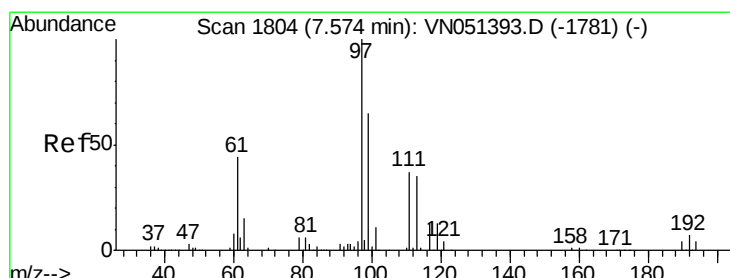
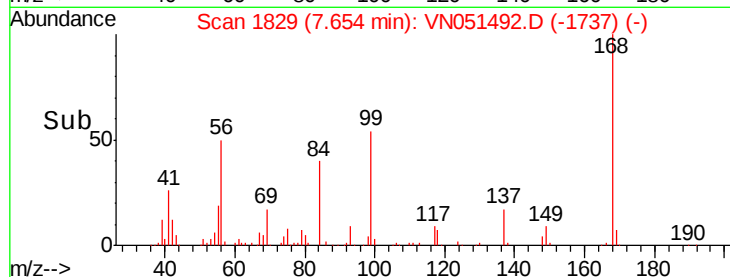
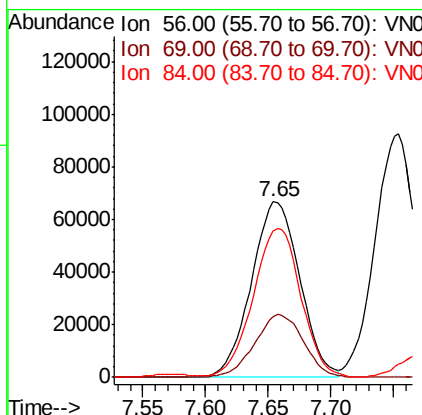
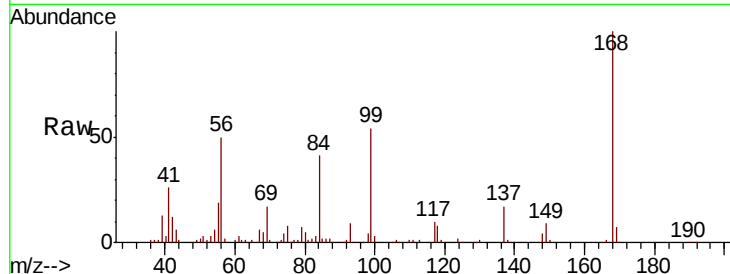
#31
Cyclohexane
Concen: 18.939 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.8	38.6
84	82.4	66.0	99.0

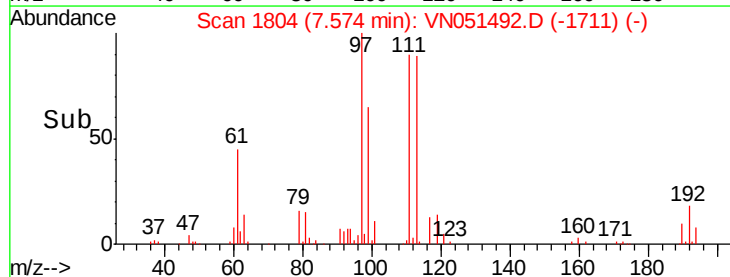
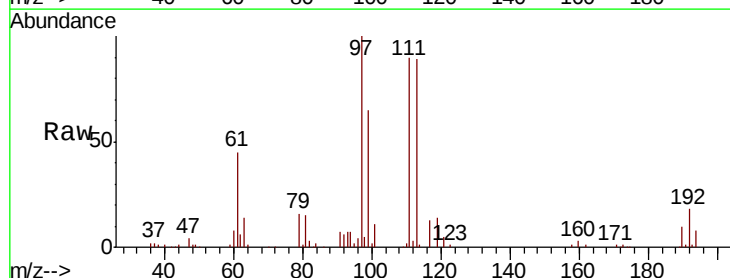
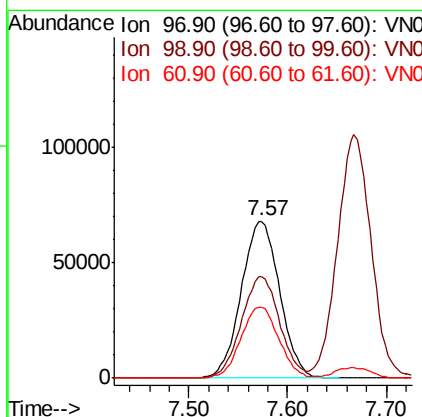
Manual Integrations
APPROVED

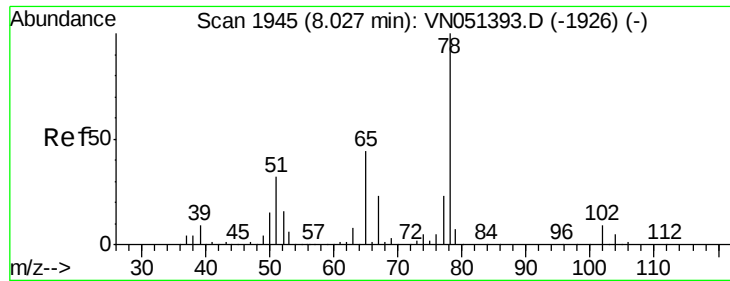
mmdadoda
9/30/2018 9:53:42 AM



#32
1,1,1-Trichloroethane
Concen: 20.884 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	44.7	35.8	53.8





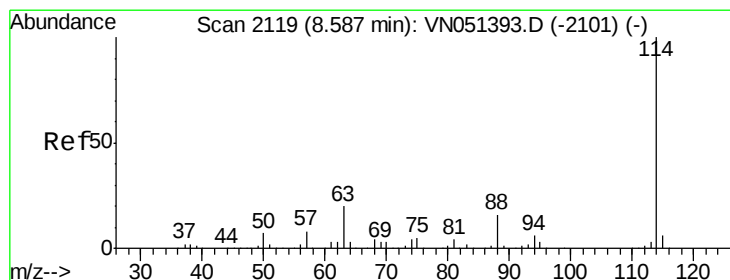
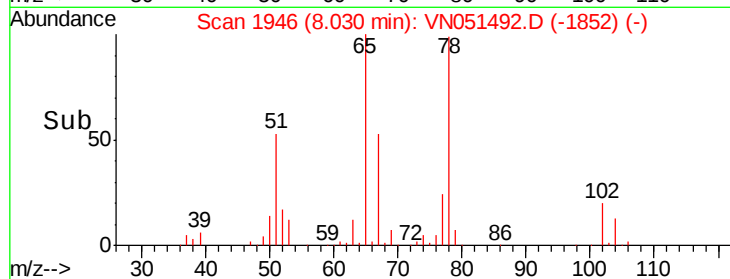
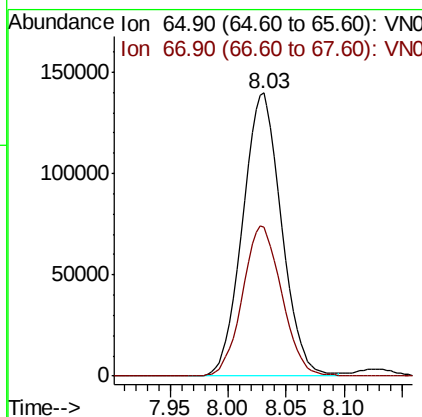
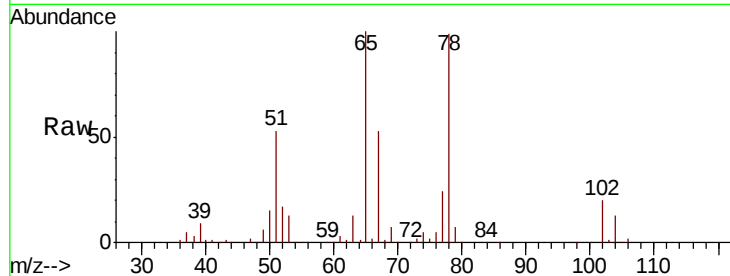
#33
 1,2-Dichloroethane-d4
 Concen: 54.099 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	325918		
67	53.5	0.0	107.8	

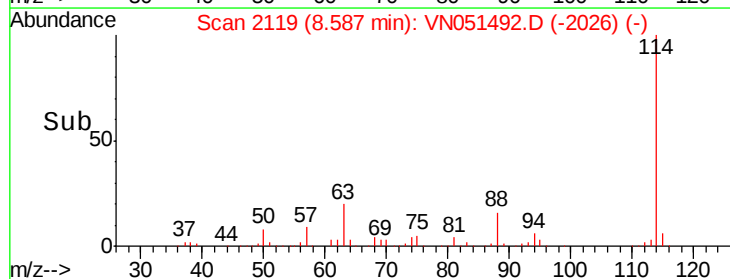
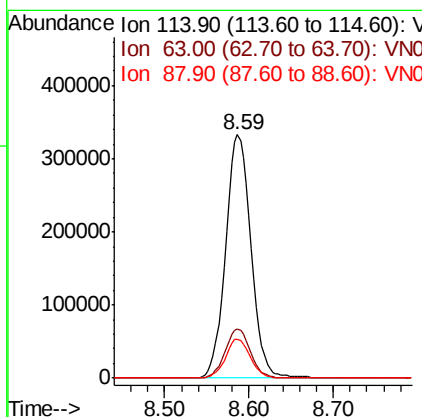
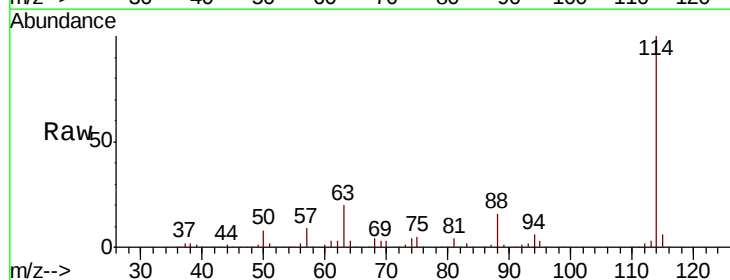
Manual Integrations
 APPROVED

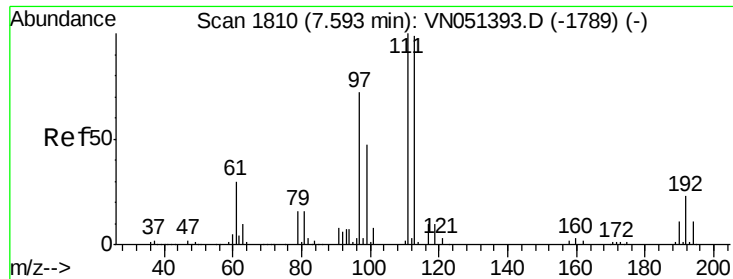
mmdadoda
 9/30/2018 9:53:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	695464		
63	20.1	0.0	40.2	
88	16.0	0.0	31.4	





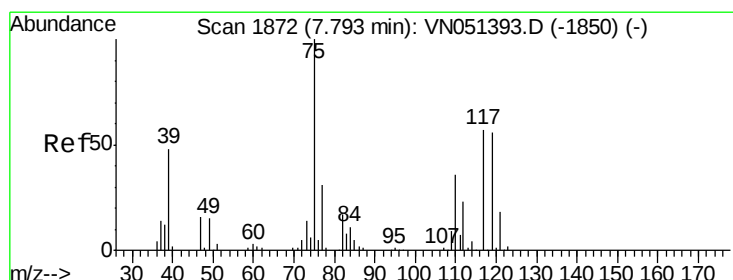
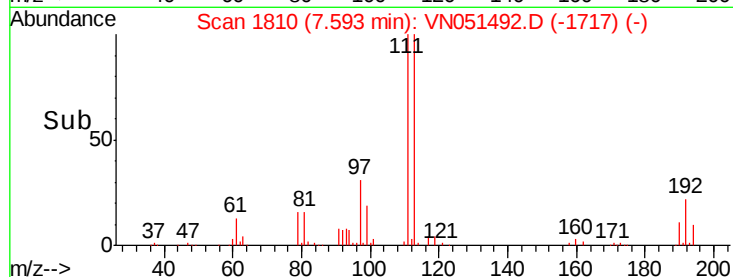
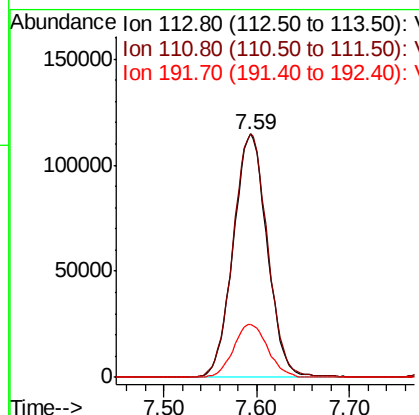
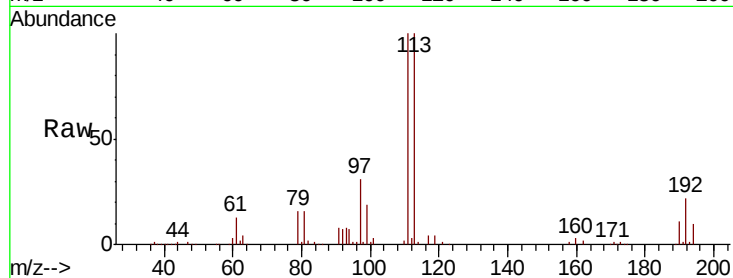
#35
 Dibromofluoromethane
 Concen: 52.162 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	290091		
111	102.2	82.6	123.8	
192	22.1	18.0	27.0	

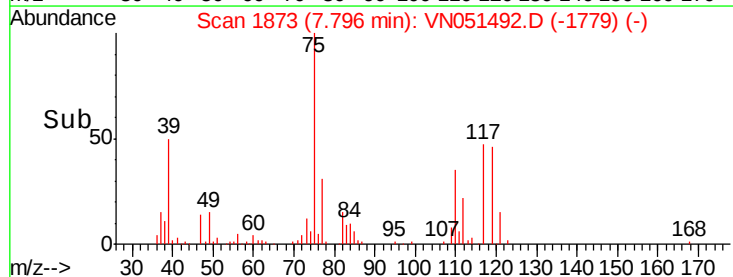
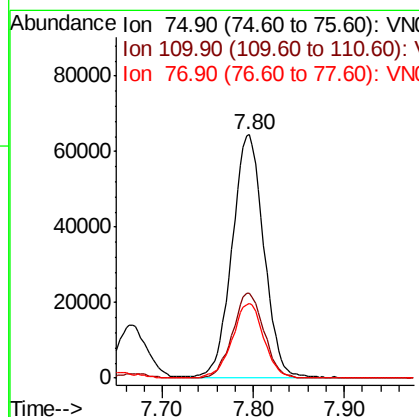
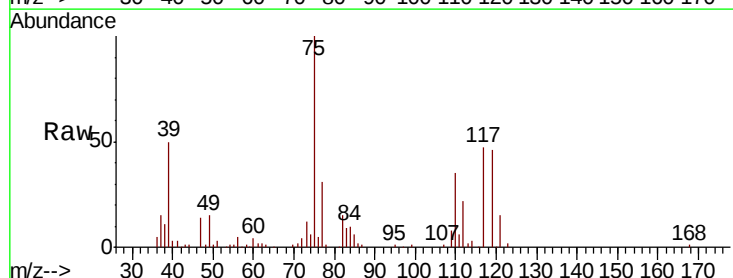
Manual Integrations
 APPROVED

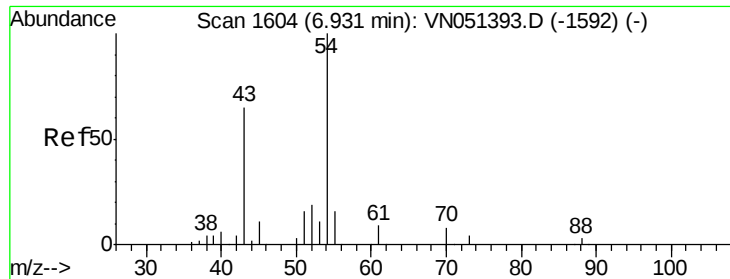
mmdadoda
 9/30/2018 9:53:42 AM



#36
 1,1-Dichloropropene
 Concen: 19.467 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156780		
110	34.2	18.1	54.3	
77	30.6	25.6	38.4	





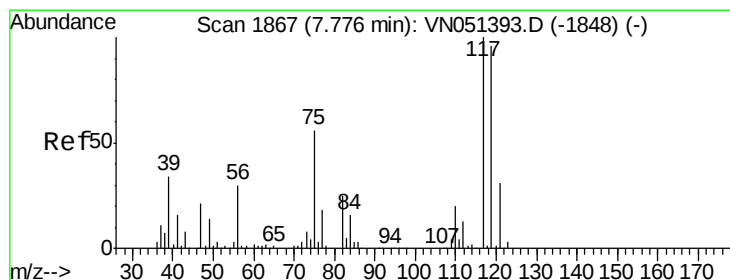
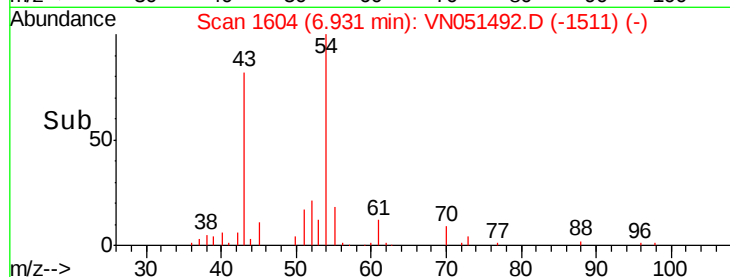
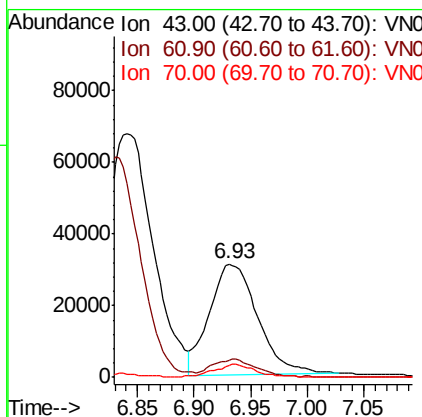
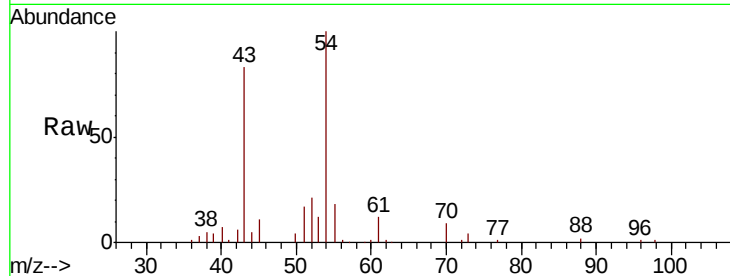
#37
Ethyl Acetate
Concen: 19.807 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	8.8	7.9	11.9

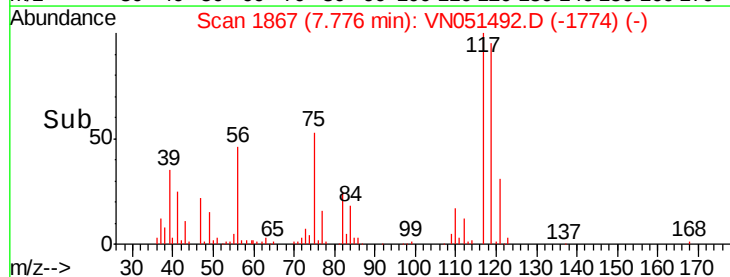
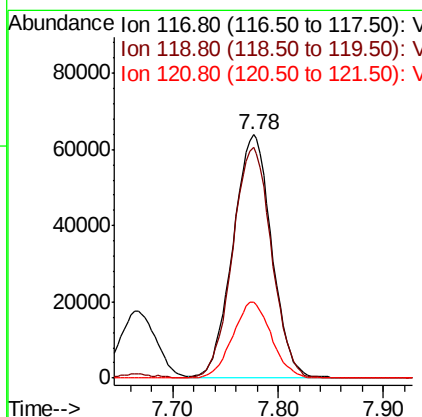
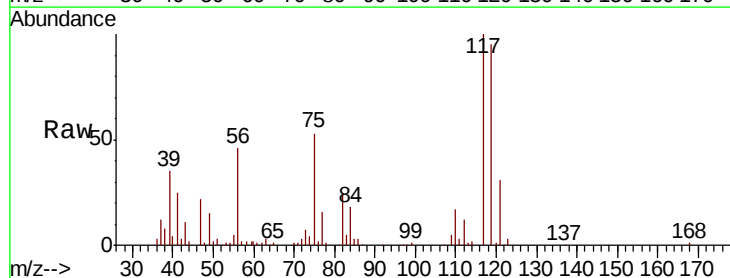
Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#38
Carbon Tetrachloride
Concen: 19.371 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.9	115.3
121	31.2	24.6	37.0





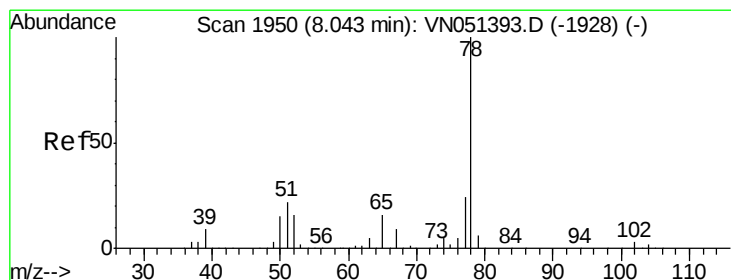
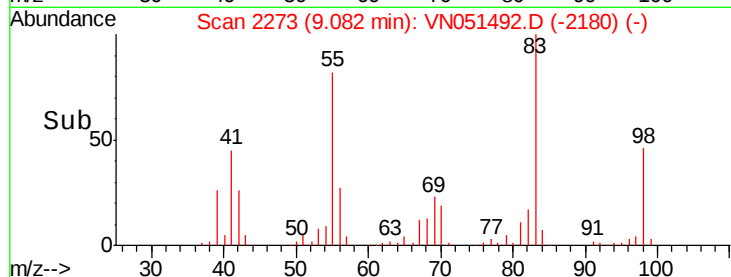
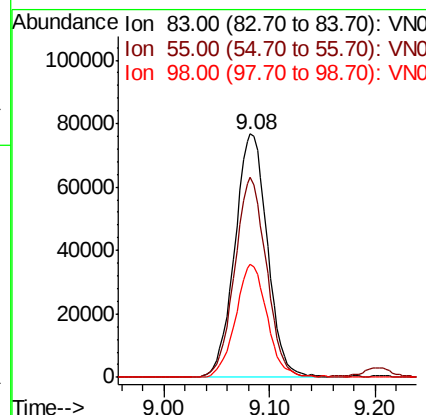
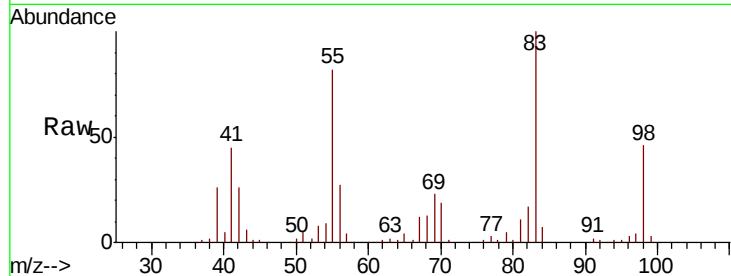
#39
Methylcyclohexane
Concen: 17.460 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.4	61.0	91.4
98	46.3	35.6	53.4

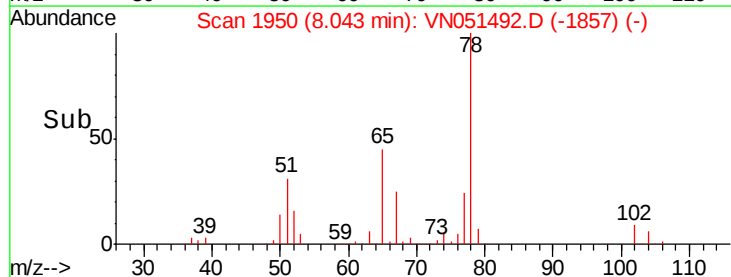
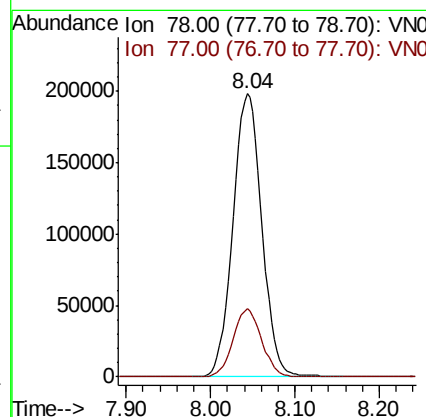
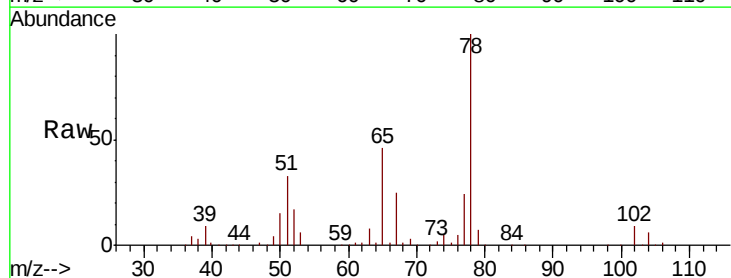
Manual Integrations
APPROVED

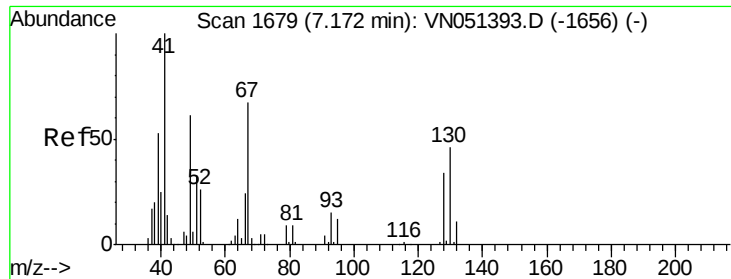
mmdadoda
9/30/2018 9:53:42 AM



#40
Benzene
Concen: 19.977 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





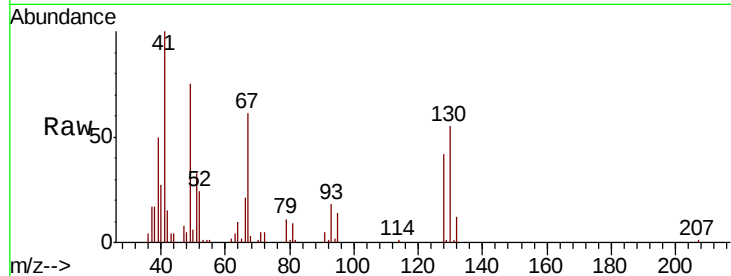
#41
Methacrylonitrile
Concen: 19.489 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.2	51.4	77.2
67	81.6	66.8	100.2
52	35.4	27.7	41.5

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM

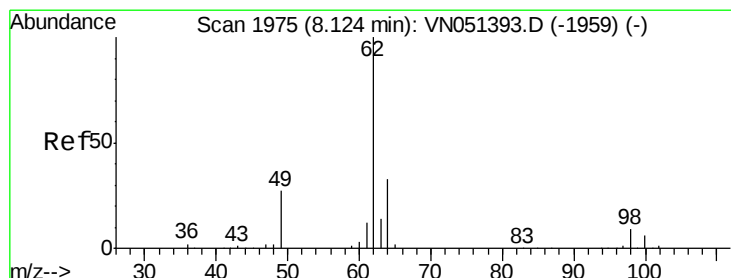
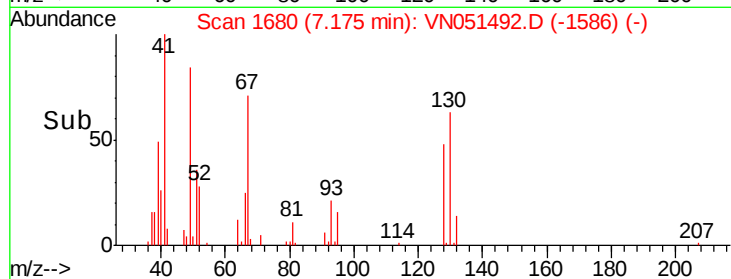
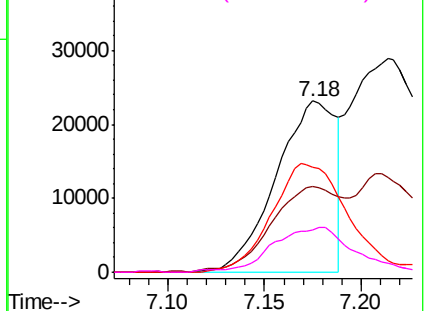


Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-1656) (-)

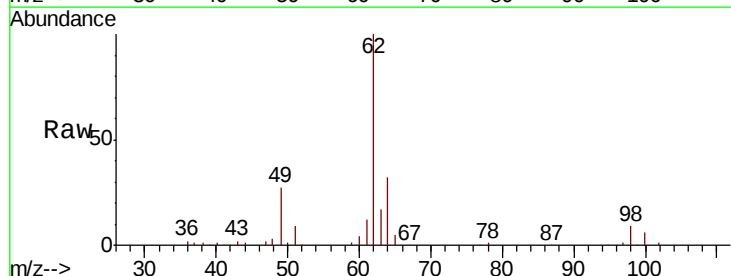
Ion 67.00 (66.70 to 67.70): VN051393.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN051393.D (-1656) (-)



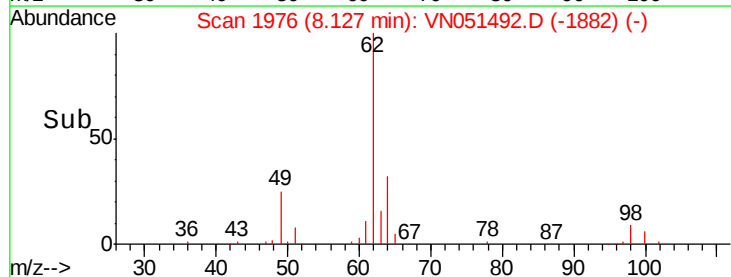
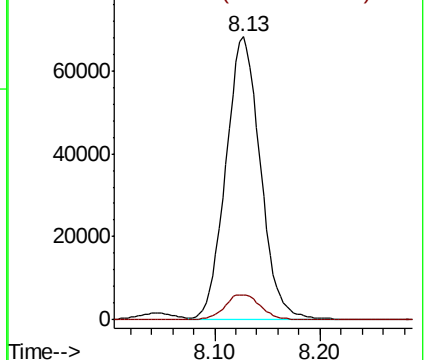
#42
1,2-Dichloroethane
Concen: 20.349 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

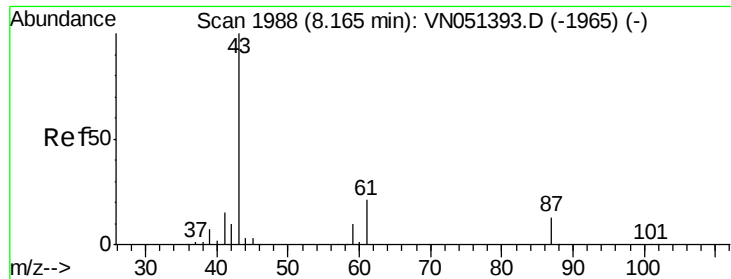
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN051393.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 19.978 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

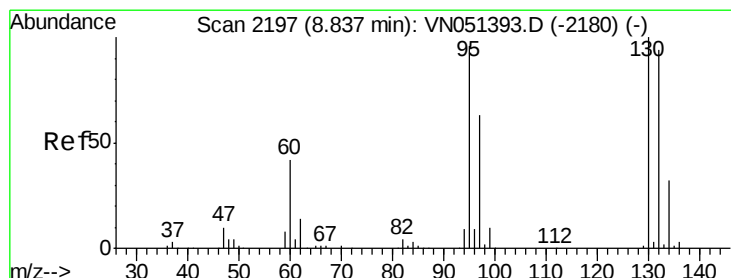
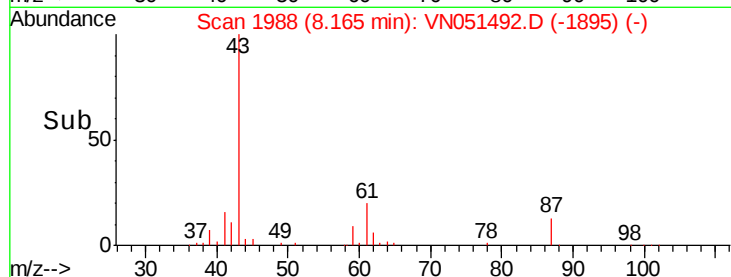
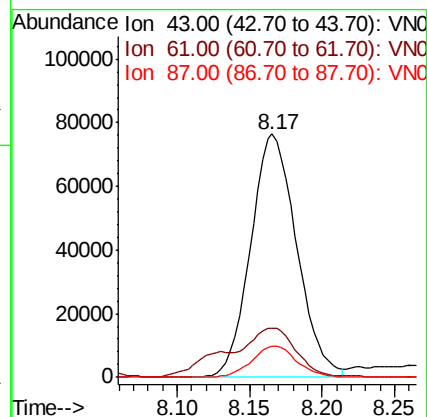
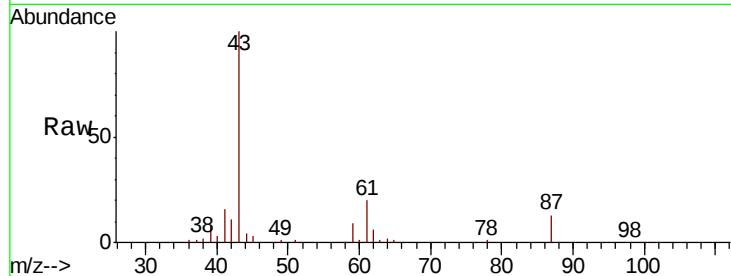
ClientSampleId :

VN0926WBSD01

Tgt Ion:	43	Resp:	167279
Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.8	25.2
87	12.8	10.7	16.1

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#44

Trichloroethene

Concen: 19.227 ug/l

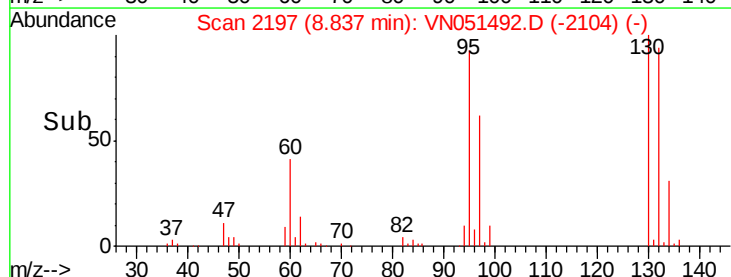
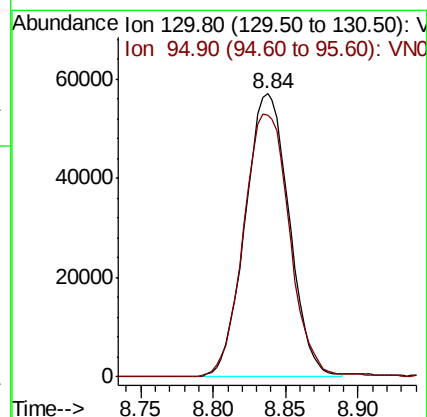
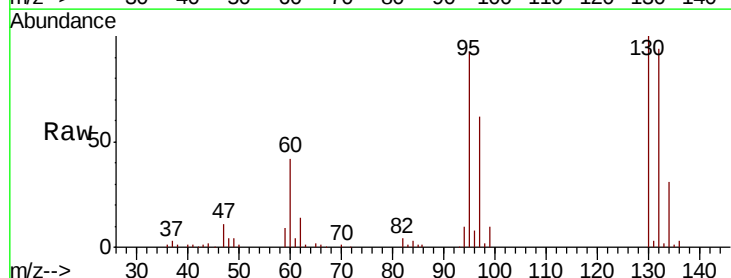
RT: 8.84 min Scan# 2197

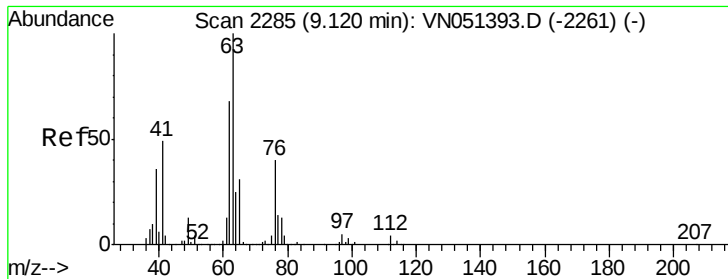
Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Tgt Ion:	130	Resp:	120764
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	192.2





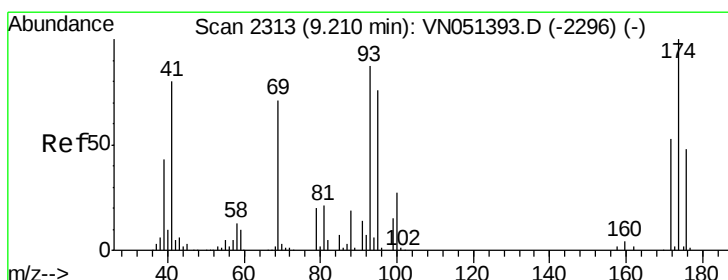
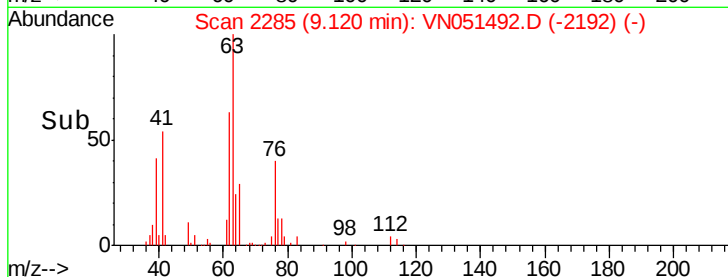
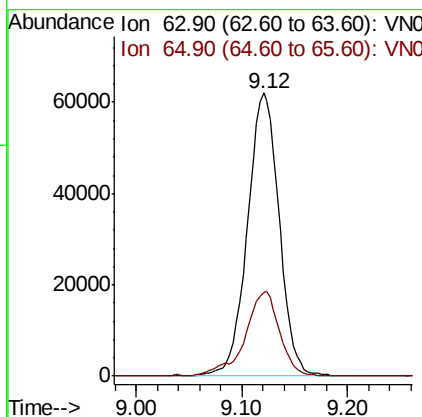
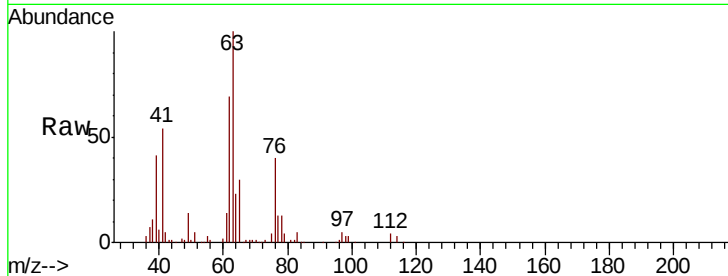
#45
 1,2-Dichloropropane
 Concen: 20.254 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion: 63 Resp: 130195
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.9 37.3

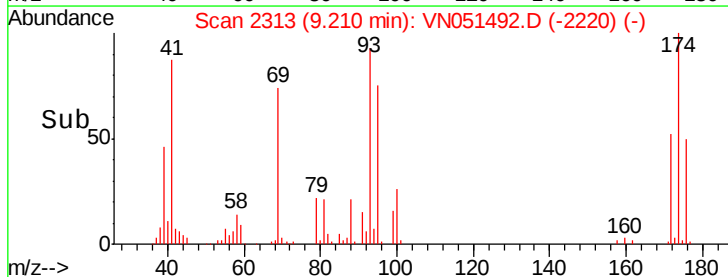
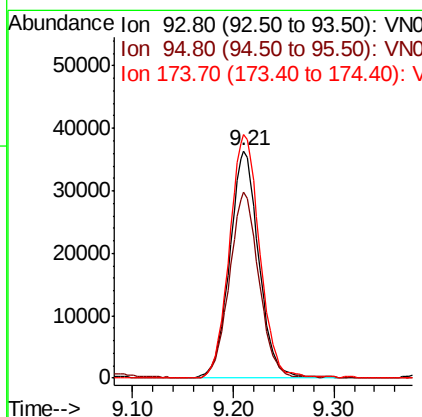
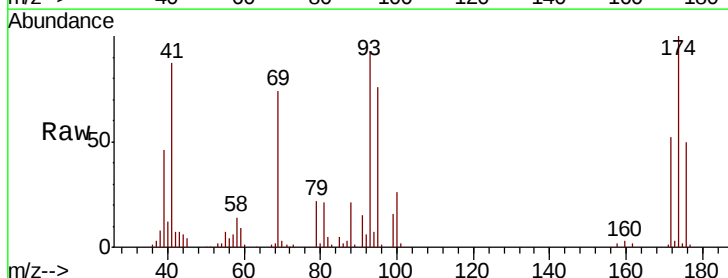
Manual Integrations
 APPROVED

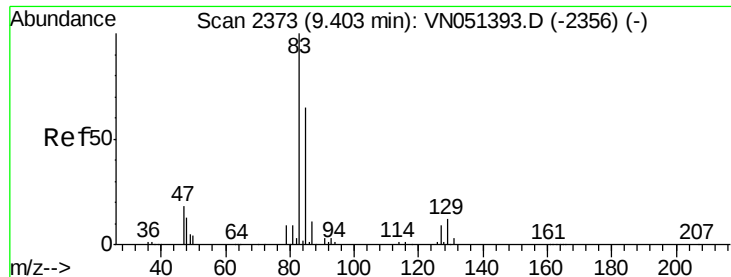
mmdadoda
 9/30/2018 9:53:42 AM



#46
 Dibromomethane
 Concen: 20.136 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 93 Resp: 73133
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.6 101.4
 174 110.9 89.6 134.4





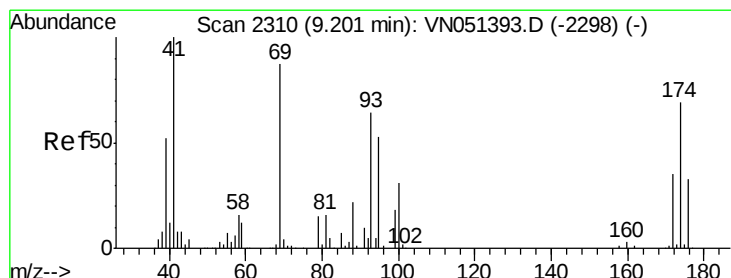
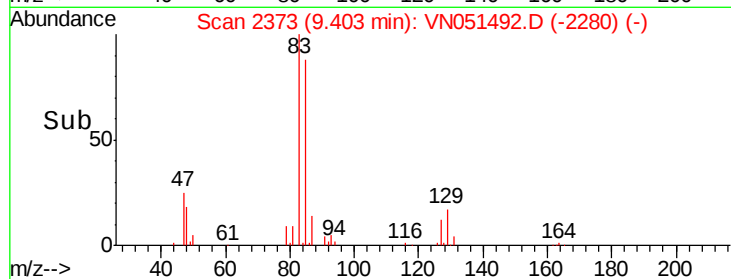
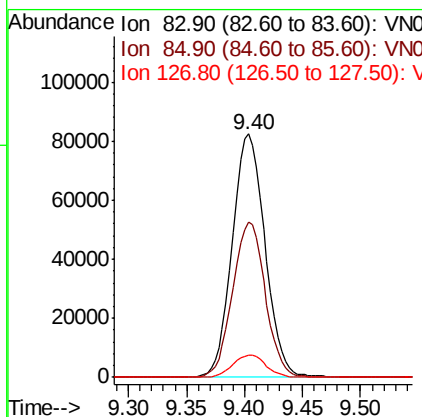
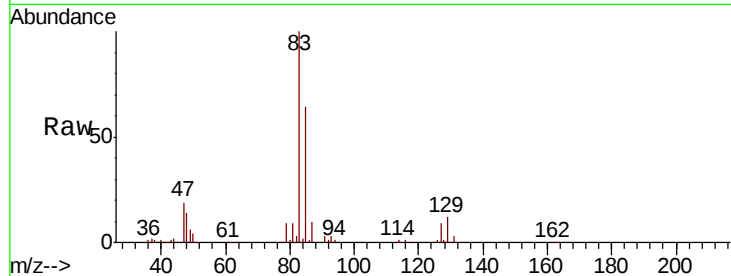
#47
Bromodichloromethane
Concen: 20.091 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6
127	9.1	7.4	11.2

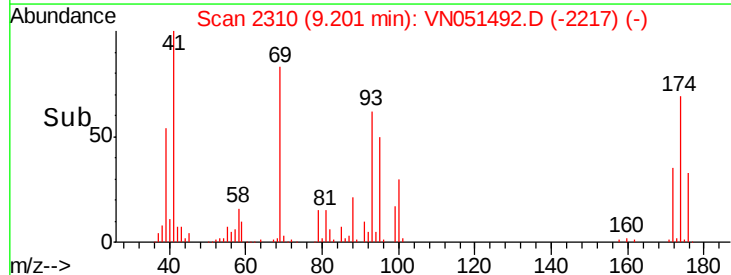
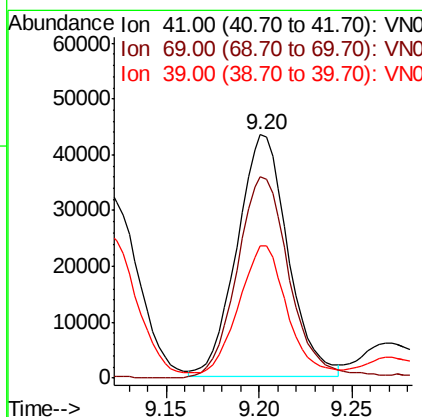
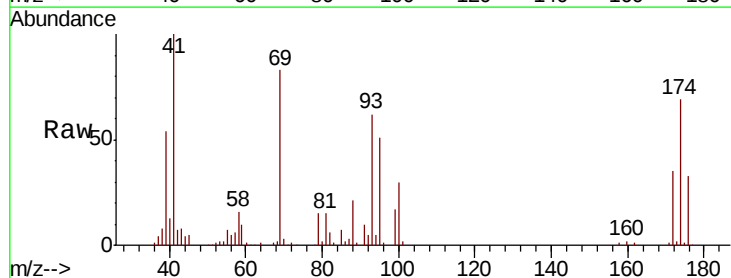
Manual Integrations
APPROVED

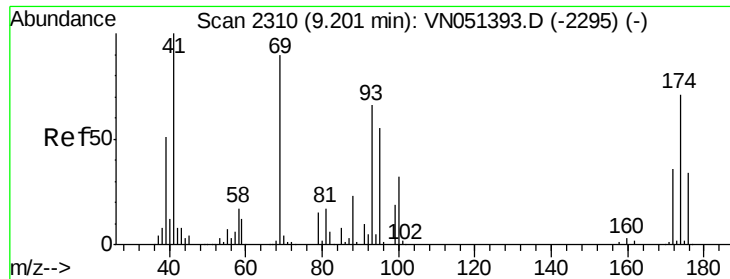
mmdadoda
9/30/2018 9:53:42 AM



#48
Methyl methacrylate
Concen: 19.866 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	70.4	105.6
39	52.3	43.8	65.8





#49

1,4-Dioxane

Concen: 399.768 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

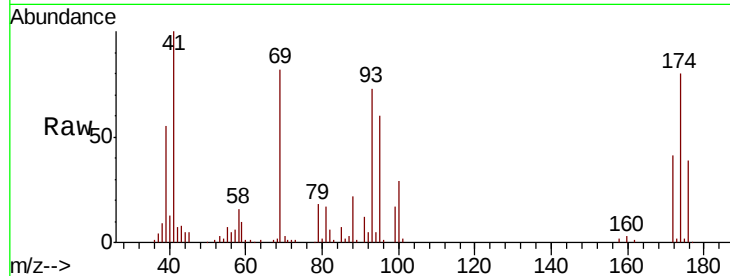
ClientSampleId :

VN0926WBSD01

Tgt Ion:	88	Resp:	20453
Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.9	38.9
58	70.1	57.0	85.4

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM

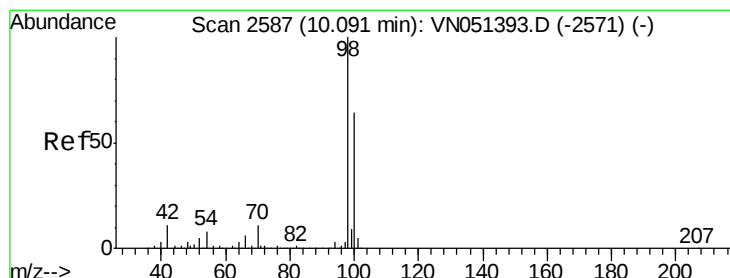
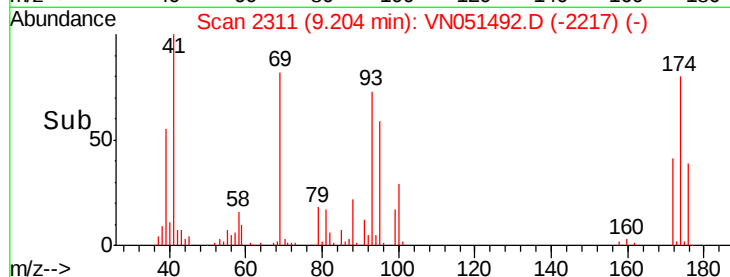
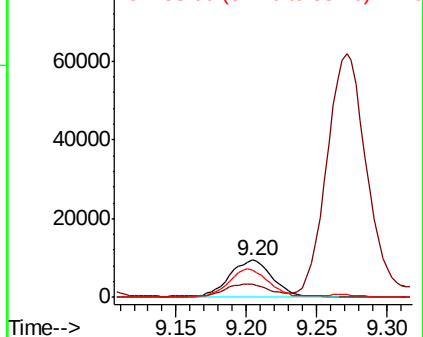


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.223 ug/l

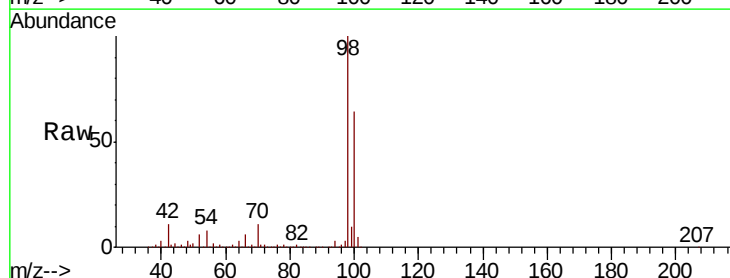
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

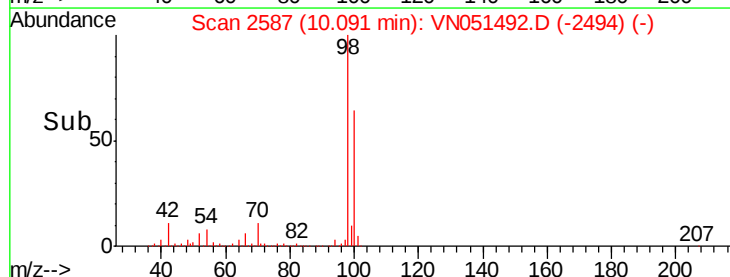
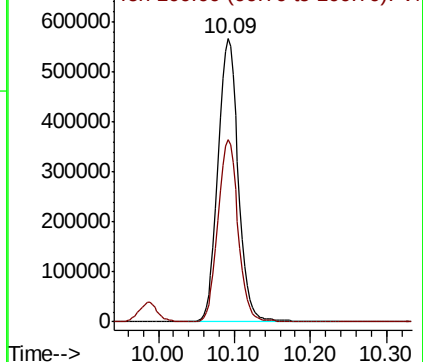
Tgt Ion:	98	Resp:	1051773
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.6	75.8

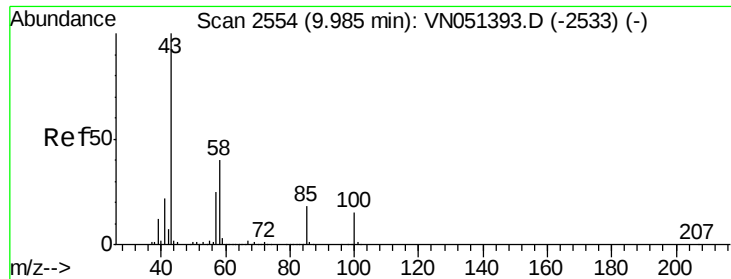


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





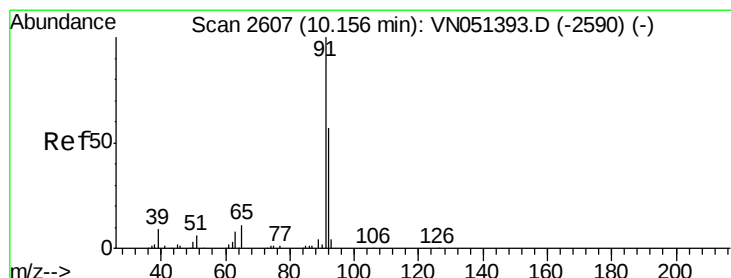
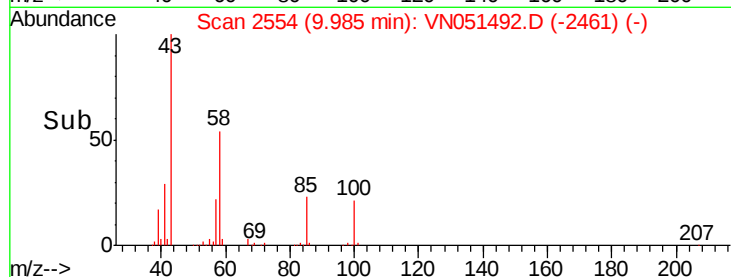
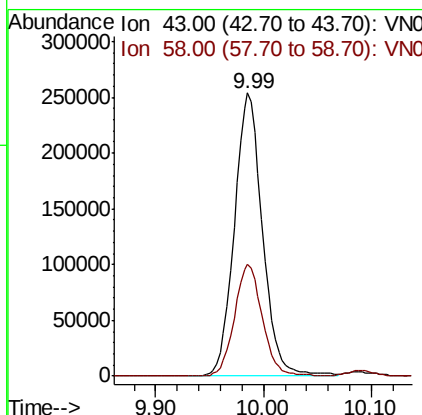
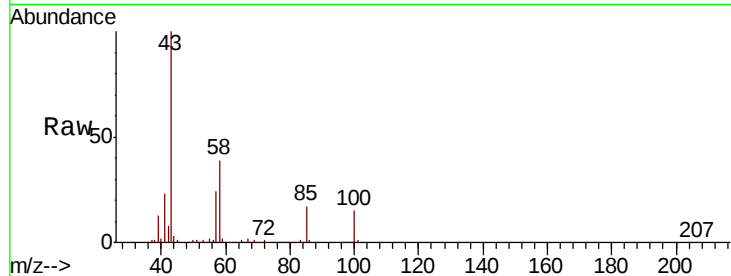
#51
4-Methyl-2-Pentanone
Concen: 99.725 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3

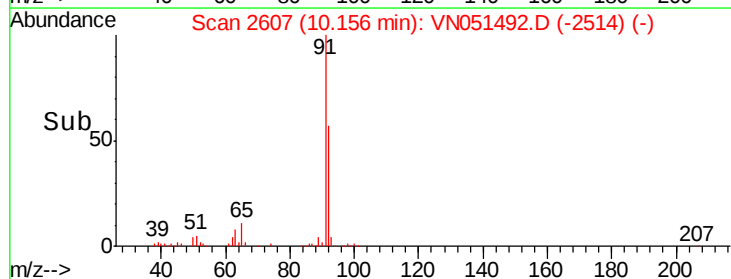
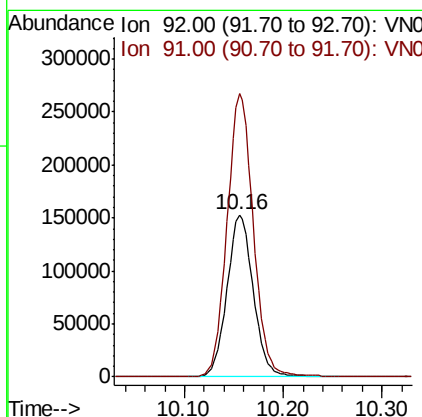
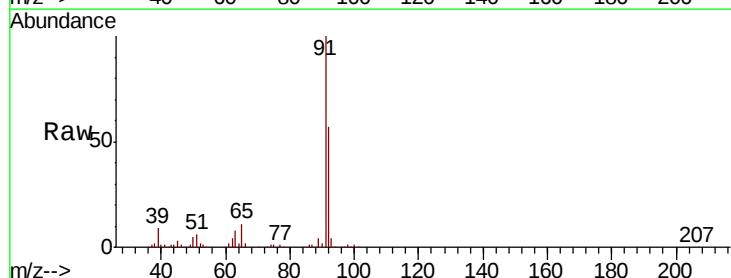
Manual Integrations
APPROVED

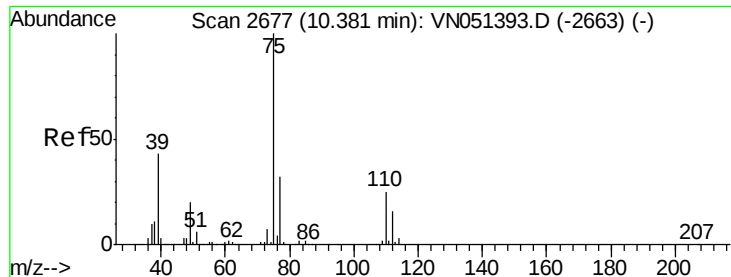
mmdadoda
9/30/2018 9:53:42 AM



#52
Toluene
Concen: 19.299 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.7	142.2	213.4





#53

t-1,3-Dichloropropene

Concen: 18.847 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 75 Resp: 152937

Ion Ratio Lower Upper

75 100

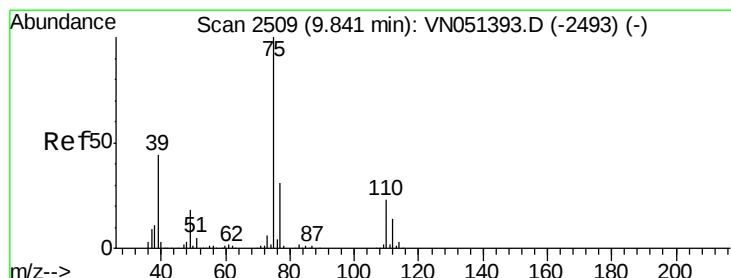
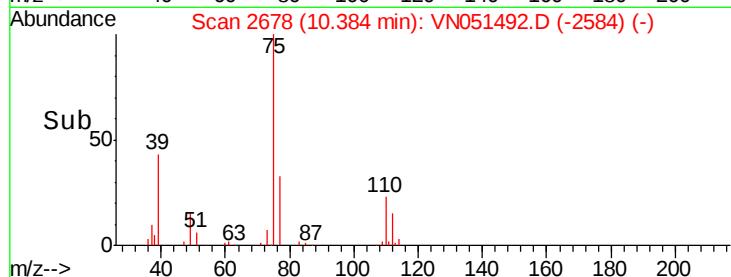
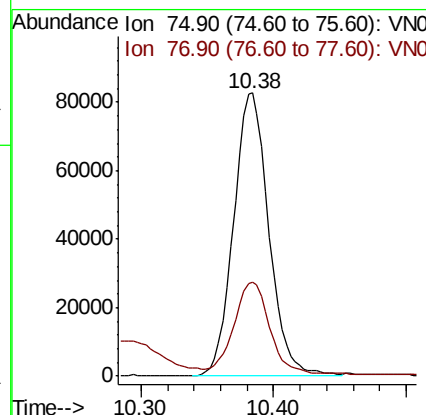
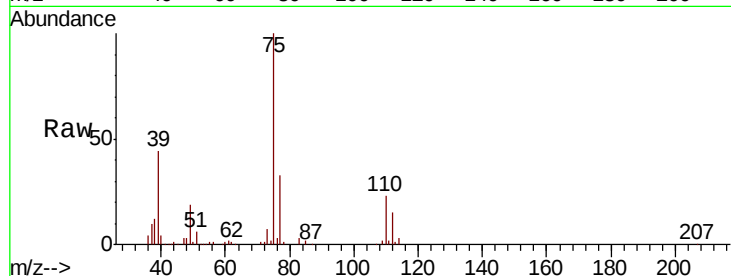
77 32.3 25.8 38.8

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:53:42 AM



#54

cis-1,3-Dichloropropene

Concen: 19.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

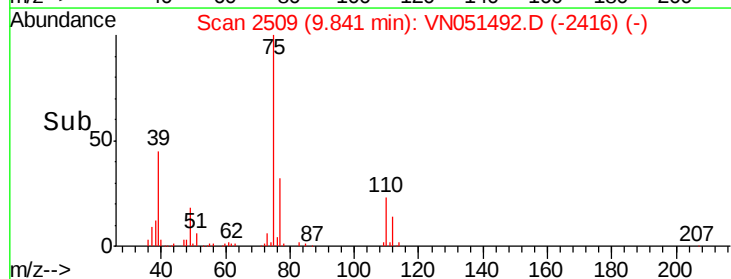
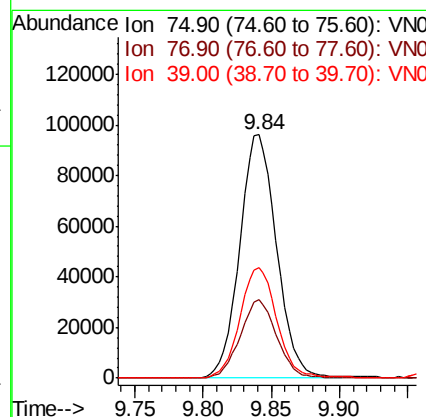
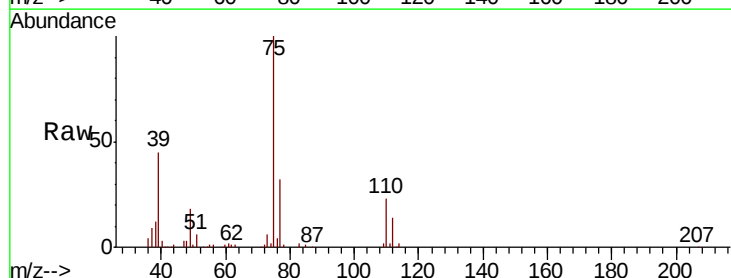
Tgt Ion: 75 Resp: 180757

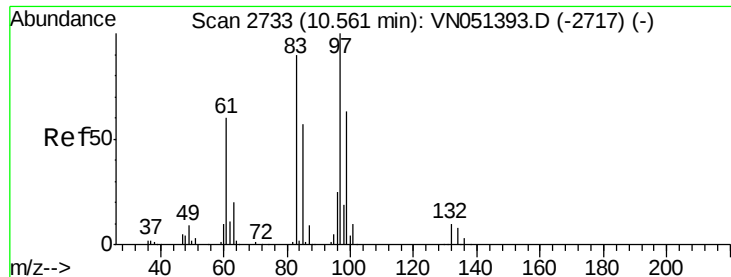
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 45.2 35.4 53.2





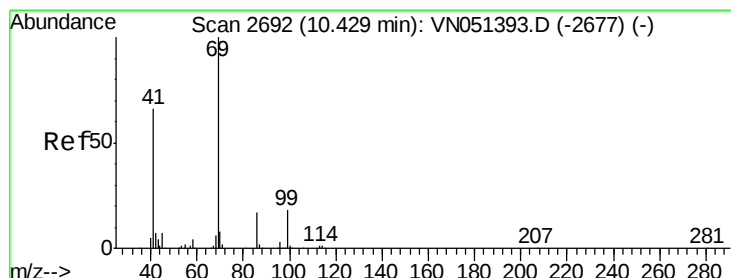
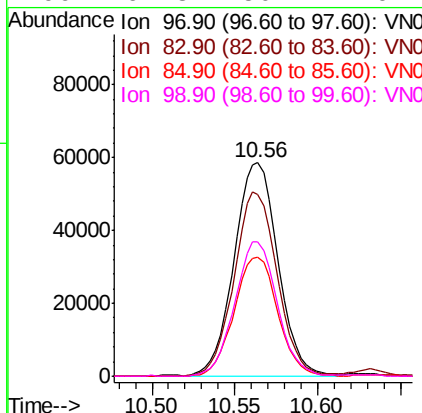
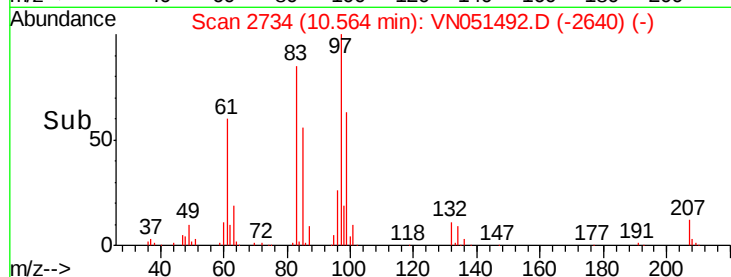
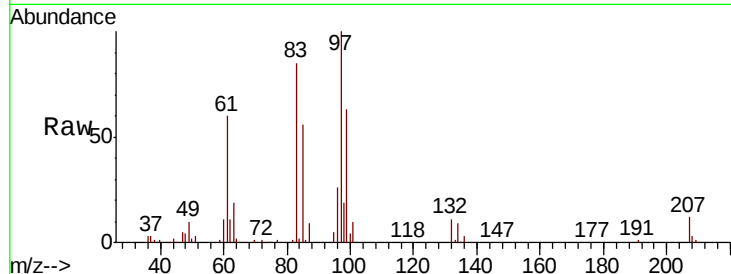
#55
 1,1,2-Trichloroethane
 Concen: 20.779 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion:	97	Resp:	107921
Ion	Ratio	Lower	Upper
97	100		
83	84.8	72.0	108.0
85	55.9	45.2	67.8
99	62.8	50.7	76.1

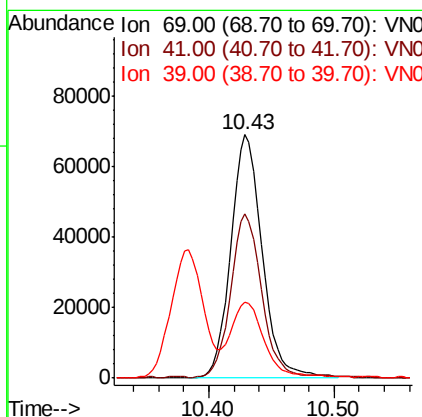
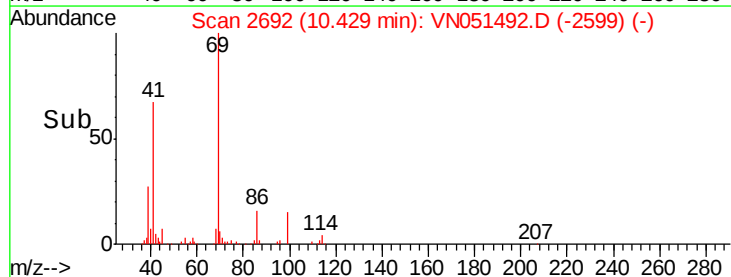
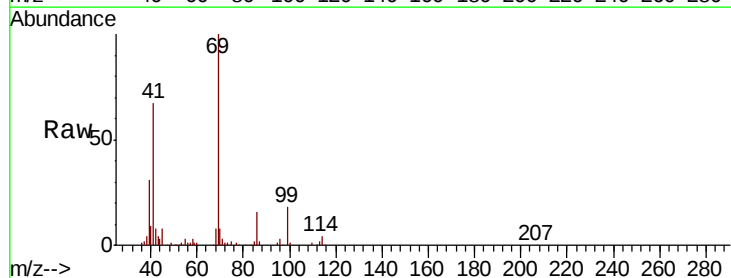
Manual Integrations
 APPROVED

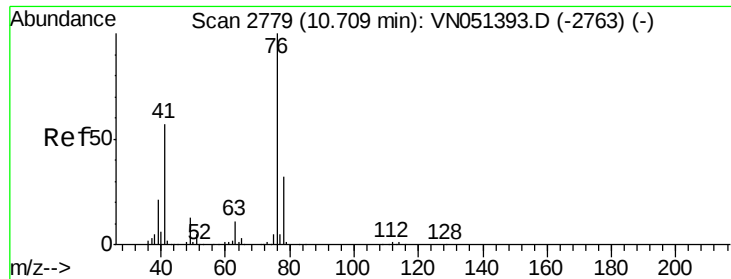
mmdadoda
 9/30/2018 9:53:42 AM



#56
 Ethyl methacrylate
 Concen: 18.939 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion:	69	Resp:	120263
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.4	78.6
39	31.6	26.3	39.5





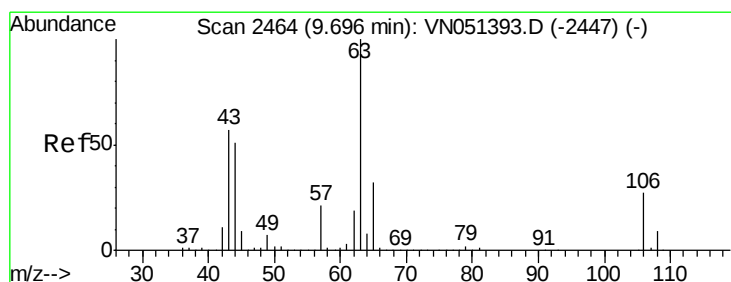
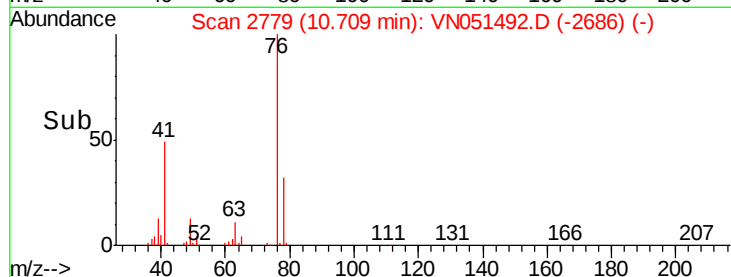
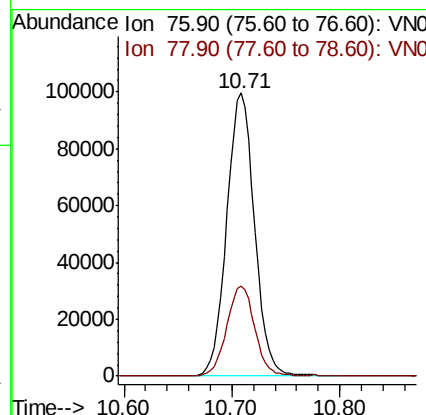
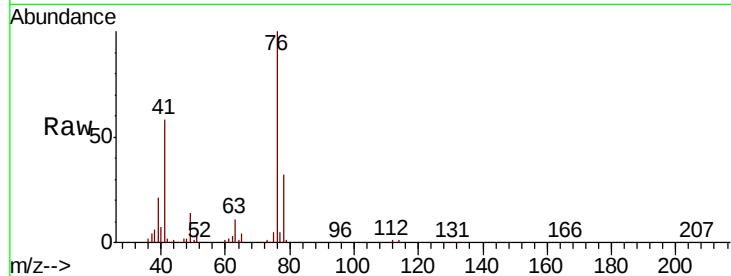
#57
 1,3-Dichloropropane
 Concen: 20.028 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion: 76 Resp: 178288
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

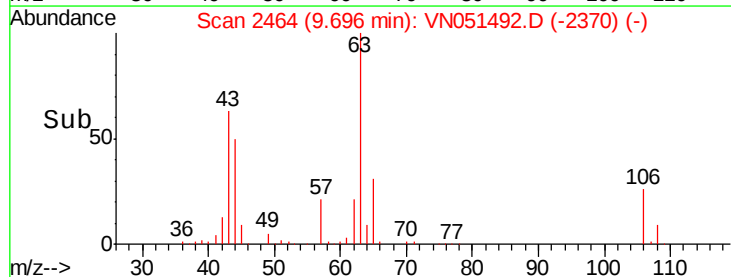
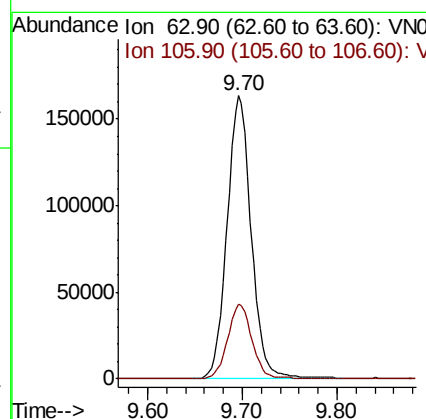
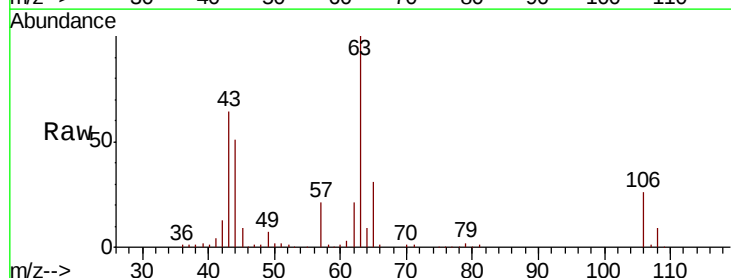
Manual Integrations
 APPROVED

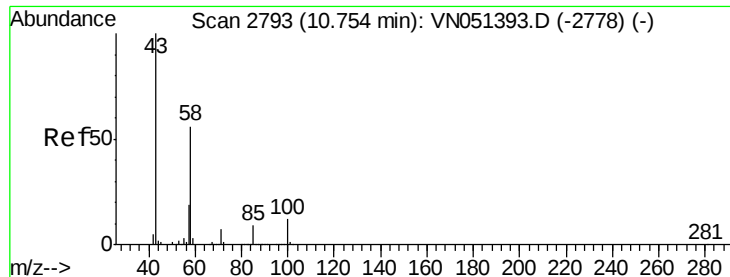
mmdadoda
 9/30/2018 9:53:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.078 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 63 Resp: 290733
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.4 32.2





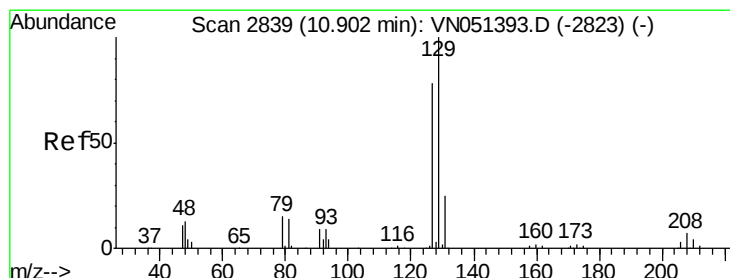
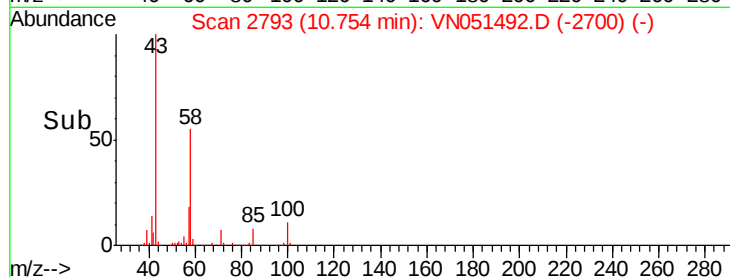
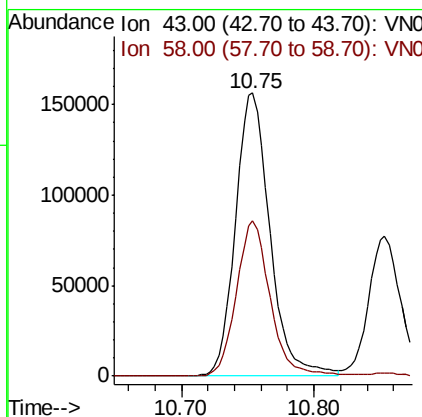
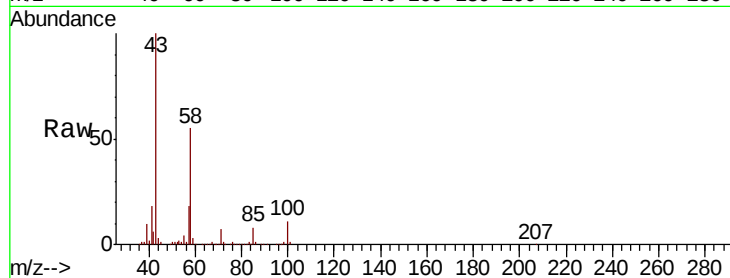
#59
2-Hexanone
Concen: 94.260 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 43 Resp: 281388
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0

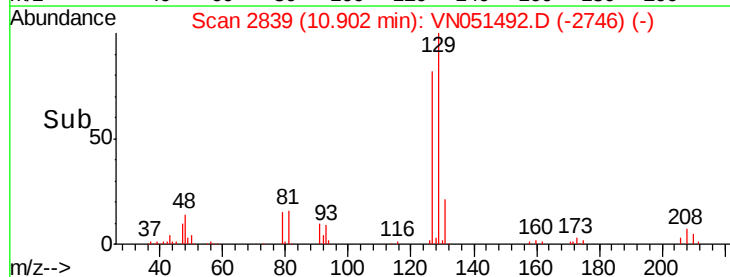
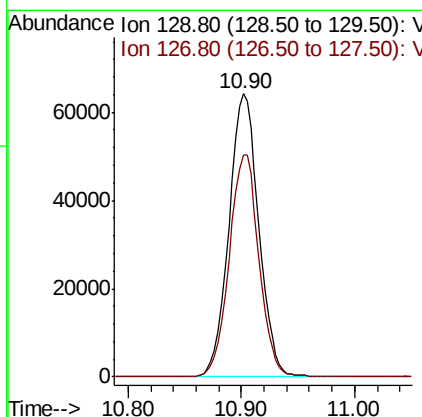
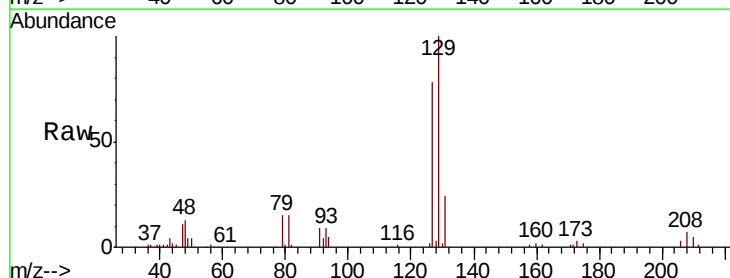
Manual Integrations
APPROVED

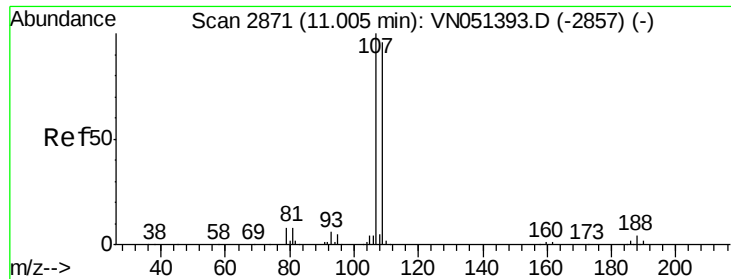
mmdadoda
9/30/2018 9:53:42 AM



#60
Dibromochloromethane
Concen: 19.193 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 129 Resp: 117616
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





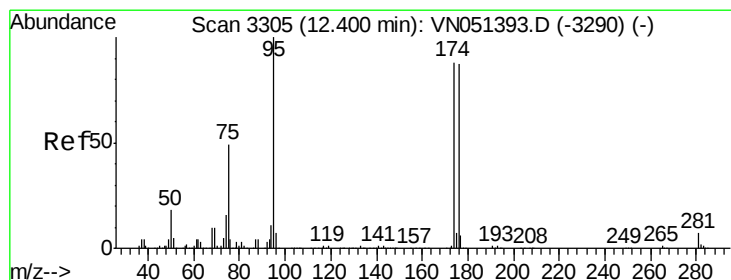
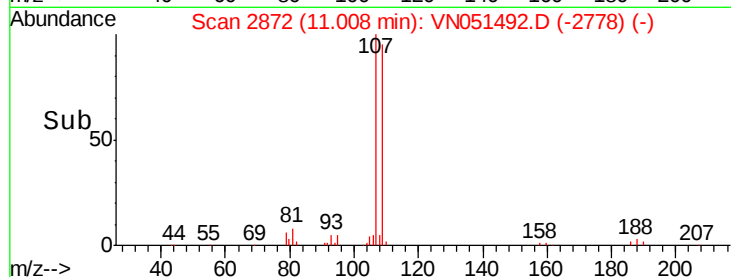
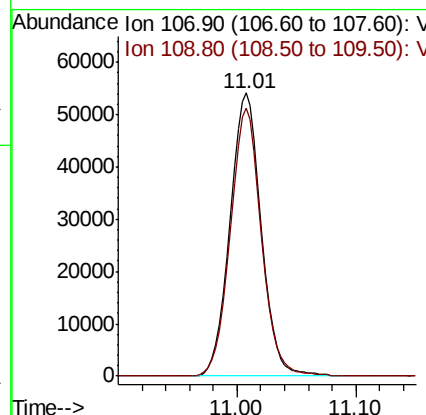
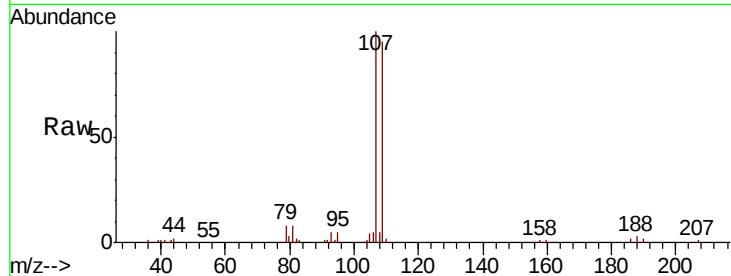
#61
 1,2-Dibromoethane
 Concen: 19.472 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion: 107 Resp: 98174
 Ion Ratio Lower Upper
 107 100
 109 94.1 76.3 114.5

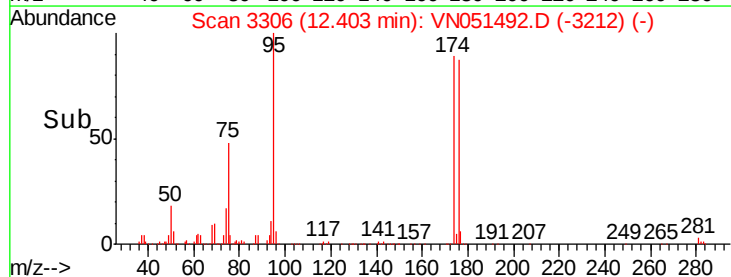
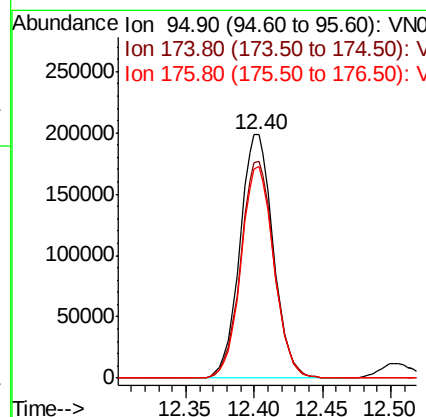
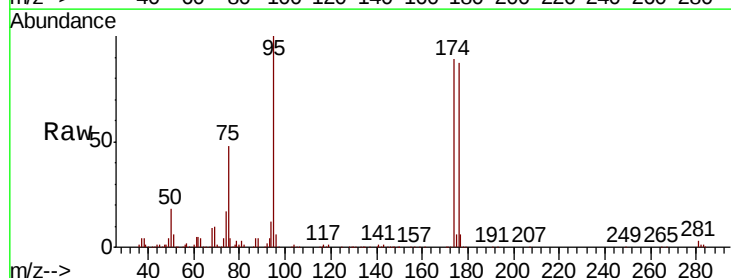
Manual Integrations
 APPROVED

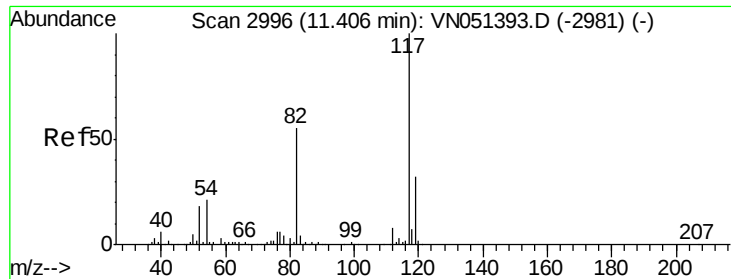
mmdadoda
 9/30/2018 9:53:42 AM



#62
 4-Bromofluorobenzene
 Concen: 49.527 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion: 95 Resp: 335528
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 181.6
 176 86.0 0.0 176.4





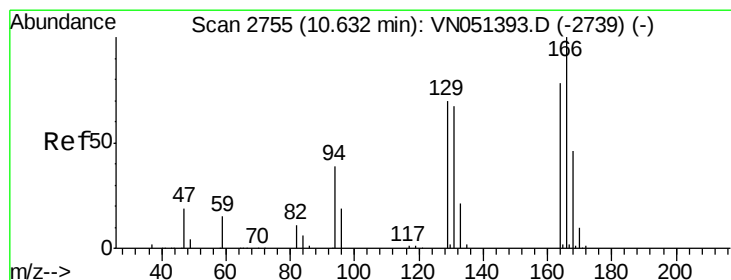
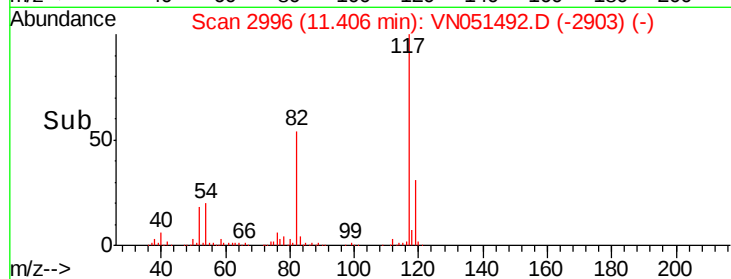
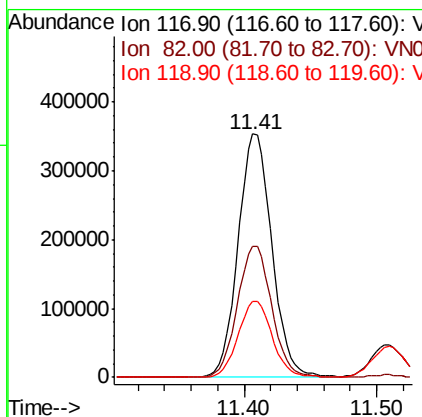
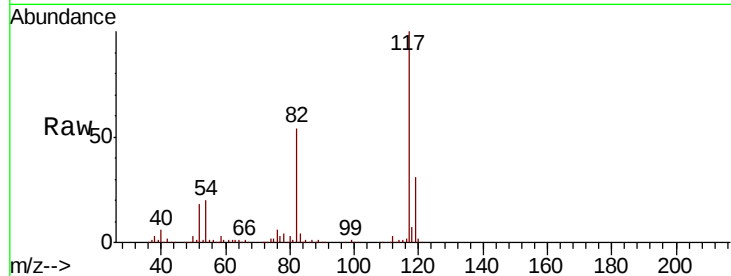
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	627022		
82	54.0	44.2	66.2	
119	31.4	25.9	38.9	

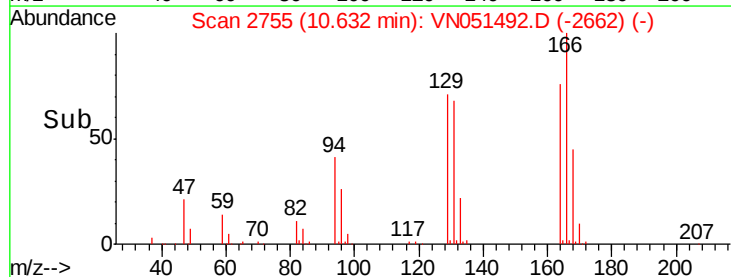
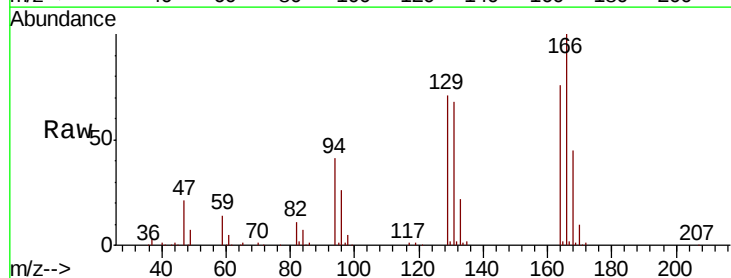
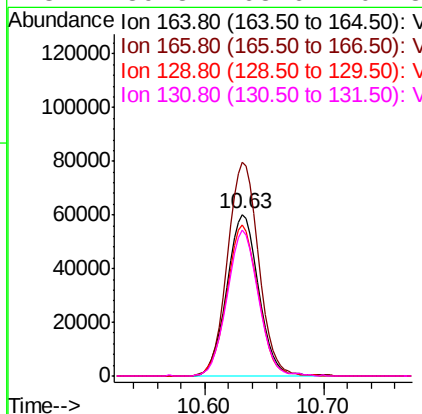
Manual Integrations
APPROVED

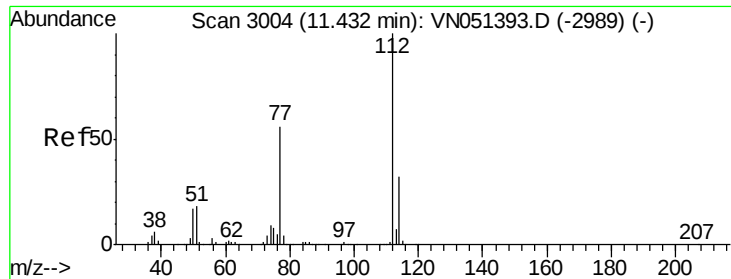
mmdadoda
9/30/2018 9:53:42 AM



#64
Tetrachloroethene
Concen: 19.595 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111505		
166	132.0	102.3	153.5	
129	93.6	71.8	107.8	
131	89.8	68.6	102.8	





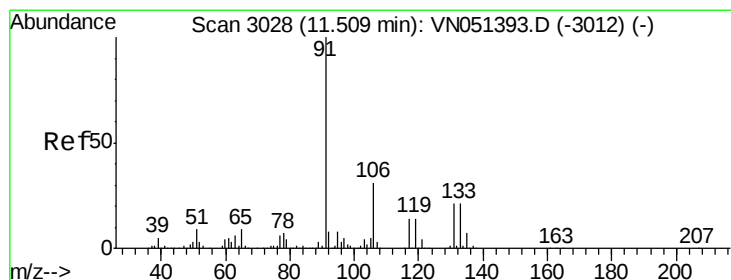
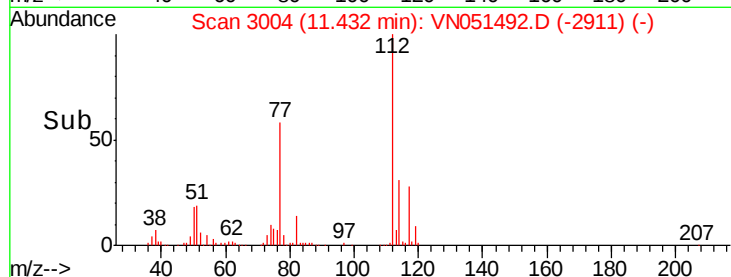
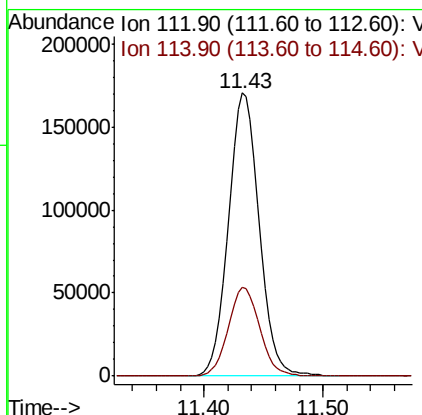
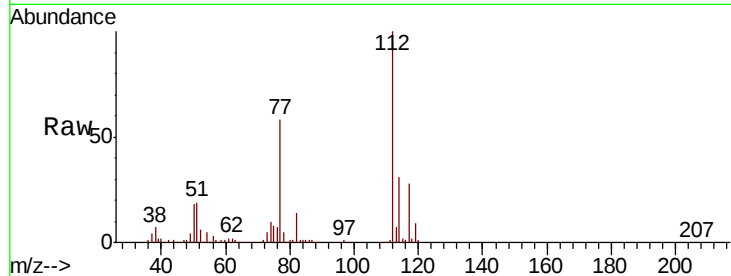
#65
Chlorobenzene
Concen: 18.961 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	305038		
114	31.4	25.4	38.2	

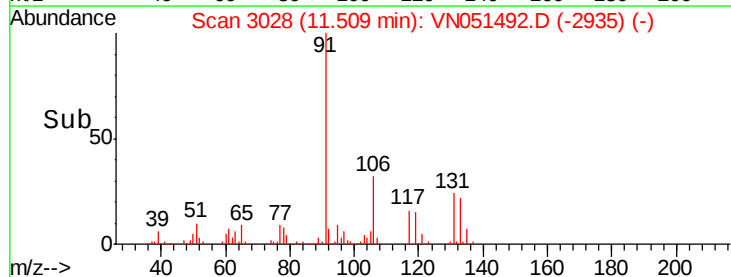
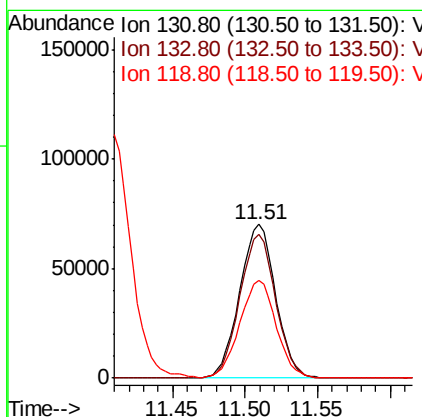
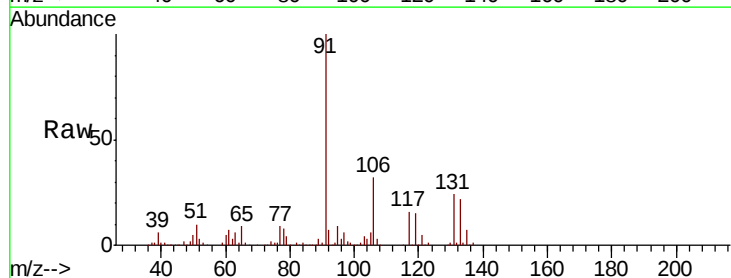
Manual Integrations
APPROVED

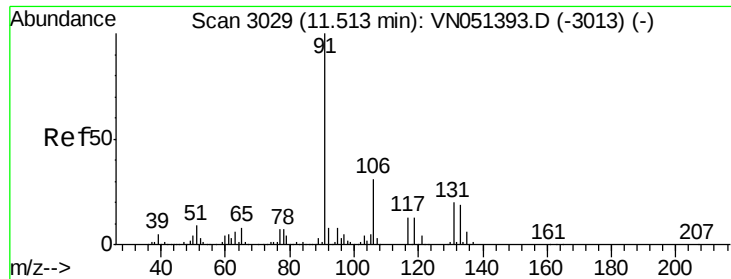
mmdadoda
9/30/2018 9:53:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.775 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	121202		
133	93.1	48.3	144.8	
119	64.7	32.8	98.4	





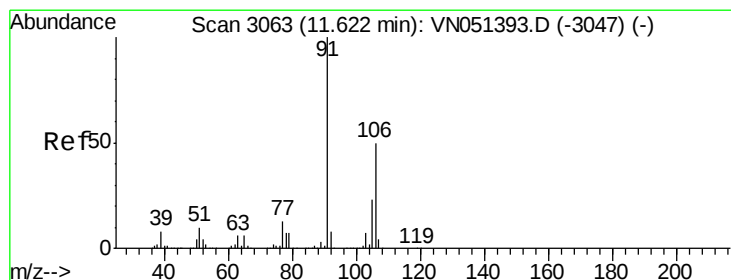
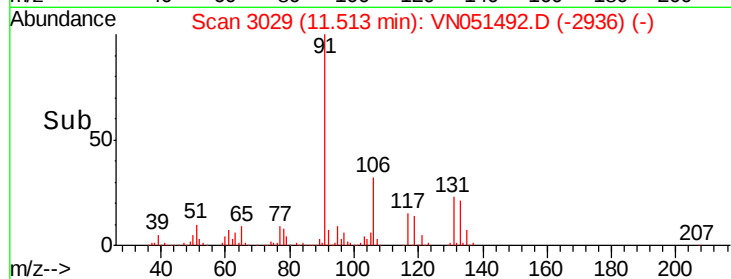
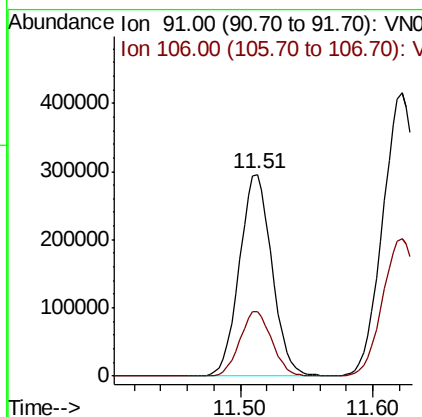
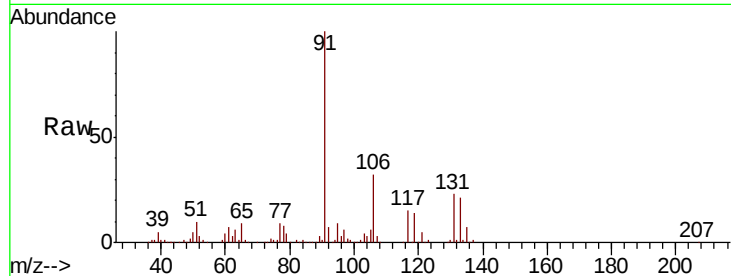
#67
Ethyl Benzene
Concen: 18.533 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion: 91 Resp: 502468
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

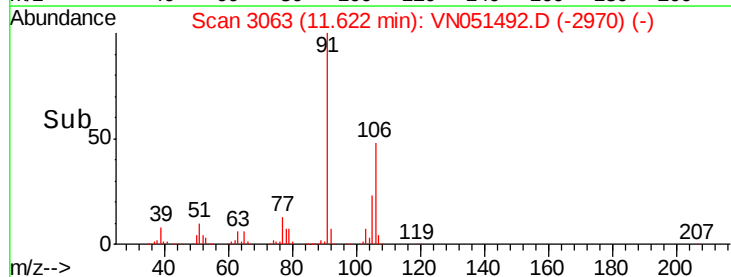
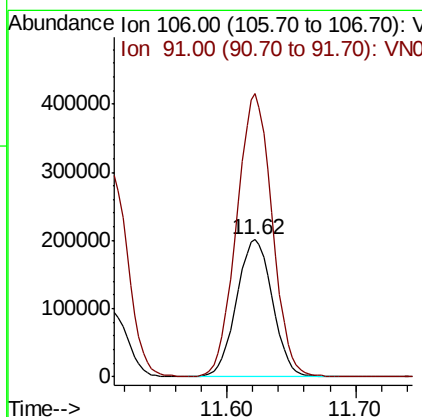
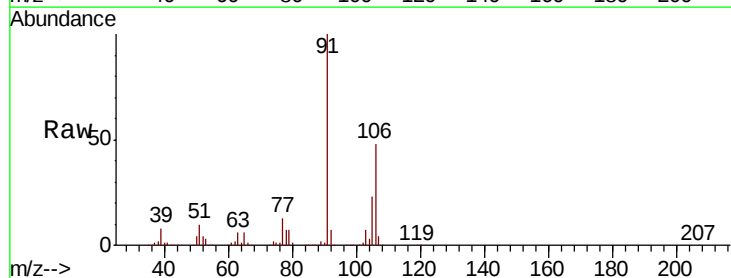
Manual Integrations
APPROVED

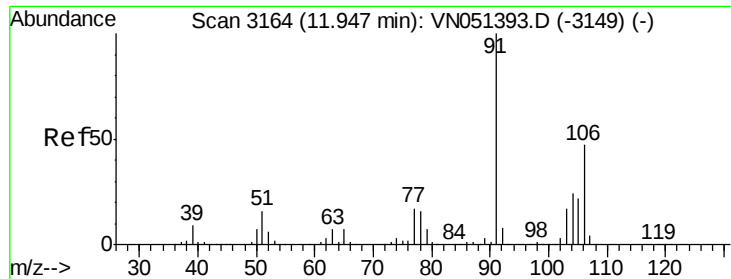
mmdadoda
9/30/2018 9:53:42 AM



#68
m/p-Xylenes
Concen: 37.216 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion: 106 Resp: 390279
Ion Ratio Lower Upper
106 100
91 204.0 161.3 241.9





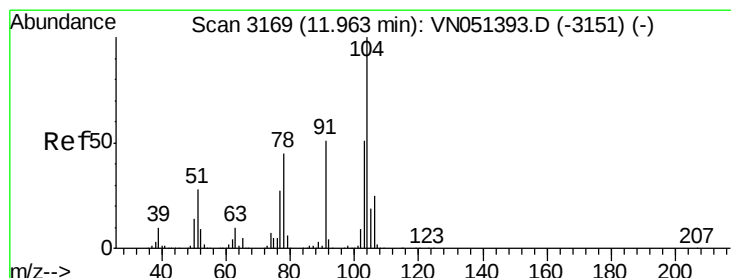
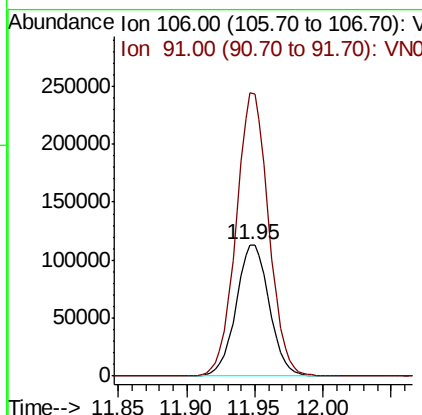
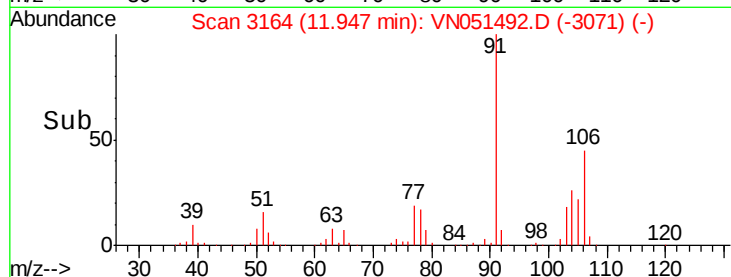
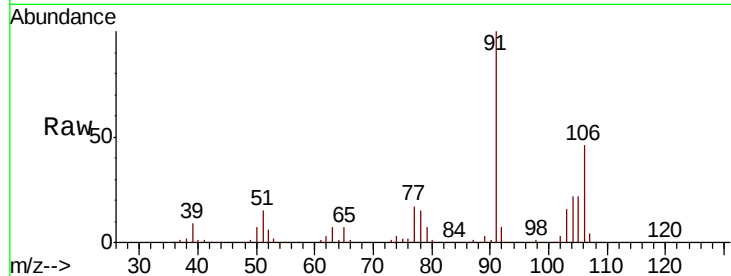
#69
o-Xylene
Concen: 18.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion:106 Resp: 190935
Ion Ratio Lower Upper
106 100
91 211.8 105.3 315.9

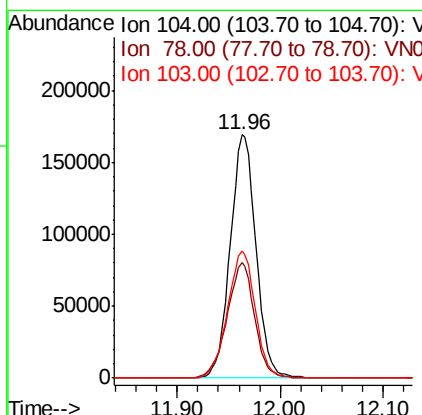
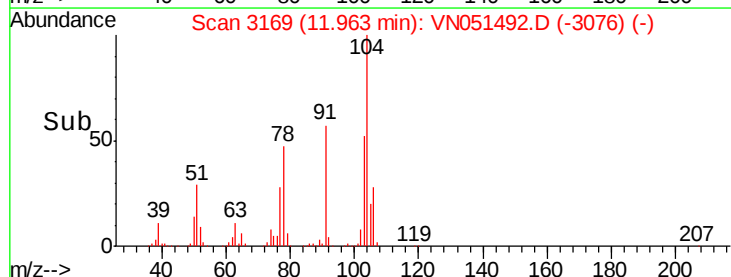
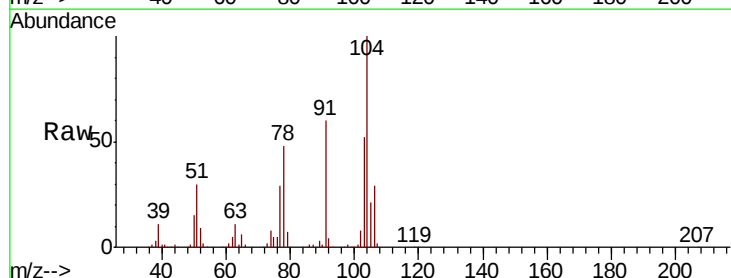
Manual Integrations
APPROVED

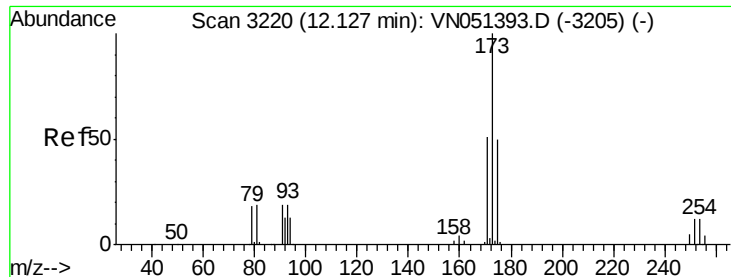
mmdadoda
9/30/2018 9:53:42 AM



#70
Styrene
Concen: 18.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion:104 Resp: 294978
Ion Ratio Lower Upper
104 100
78 50.7 39.9 59.9
103 56.0 44.6 66.8





#71

Bromoform

Concen: 18.770 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

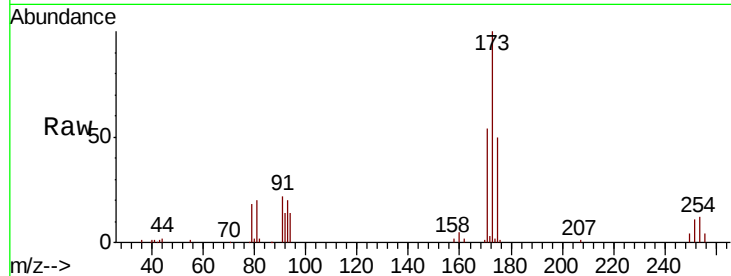
ClientSampleId :

VN0926WBSD01

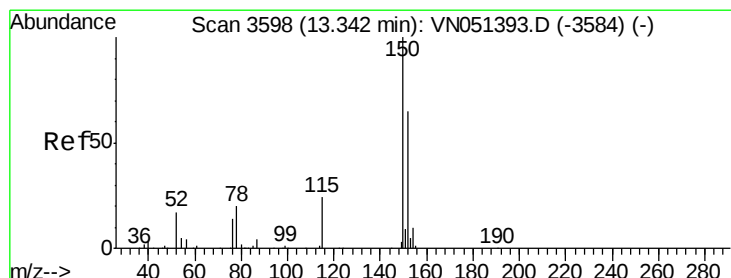
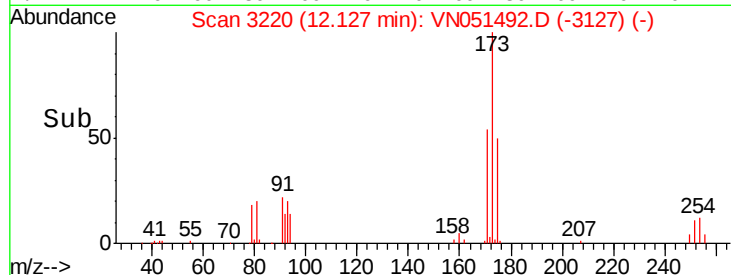
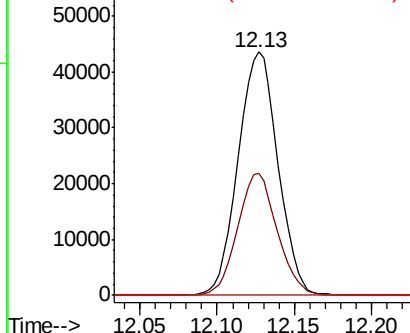
Tgt Ion:	173	Resp:	78063
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.8	74.3
254	0.0	0.2	0.2#

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

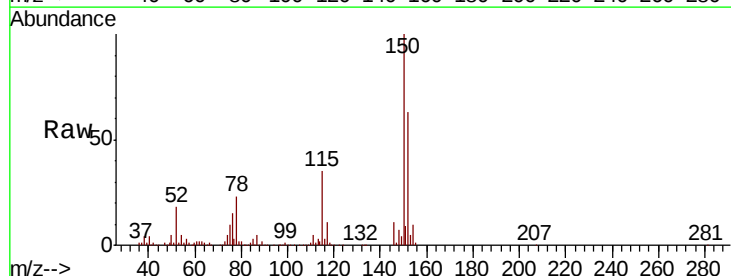
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

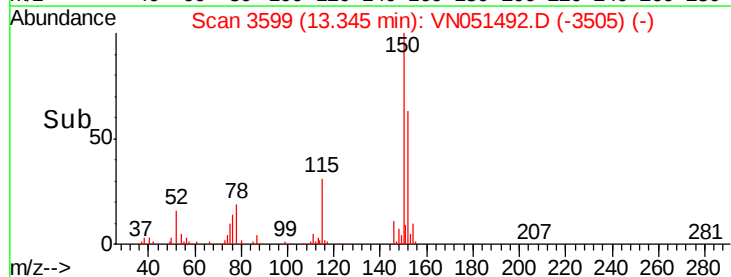
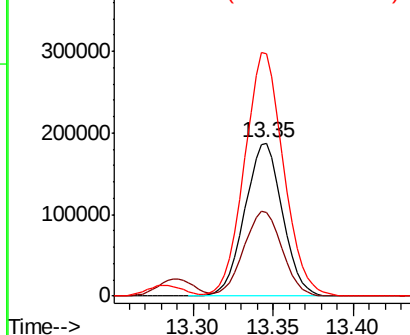
Lab File: VN051492.D

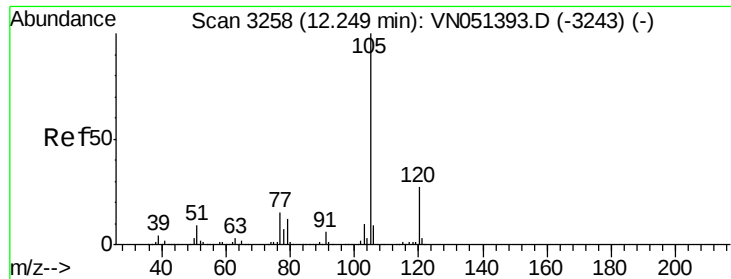
Acq: 25 Sep 2018 19:08

Tgt Ion:	152	Resp:	302955
Ion Ratio	Lower	Upper	
152	100		
115	56.1	28.3	84.9
150	164.9	0.0	353.6



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





#73

Isopropylbenzene

Concen: 19.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 105 Resp: 507462

Ion Ratio Lower Upper

105 100

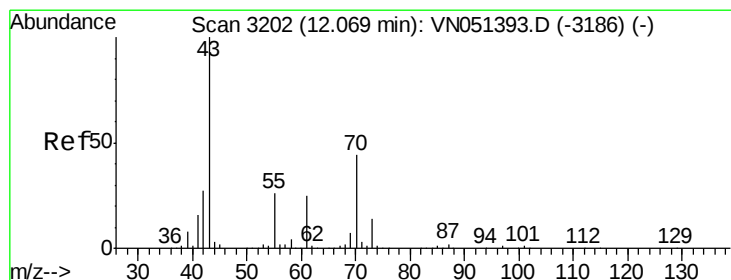
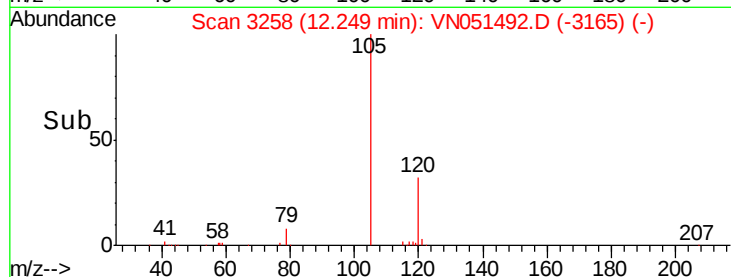
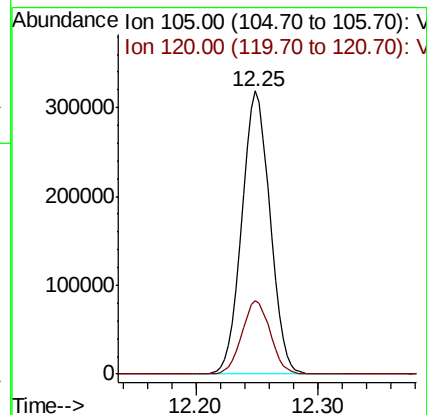
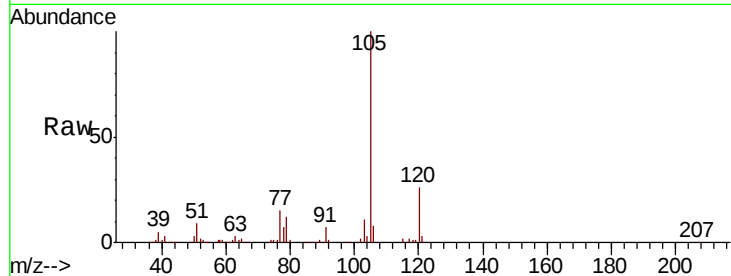
120 26.1 13.3 39.8

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:53:42 AM



#74

N-ethyl acetate

Concen: 19.047 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Tgt Ion: 43 Resp: 122158

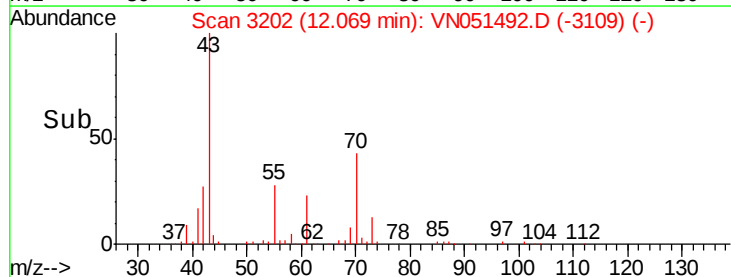
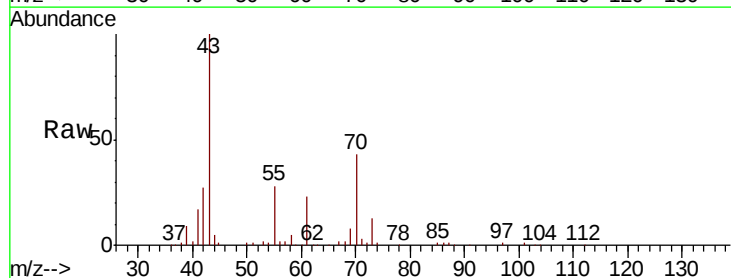
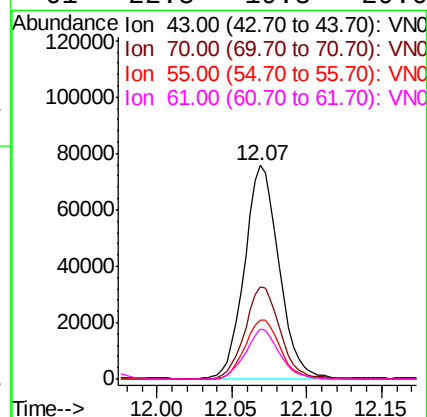
Ion Ratio Lower Upper

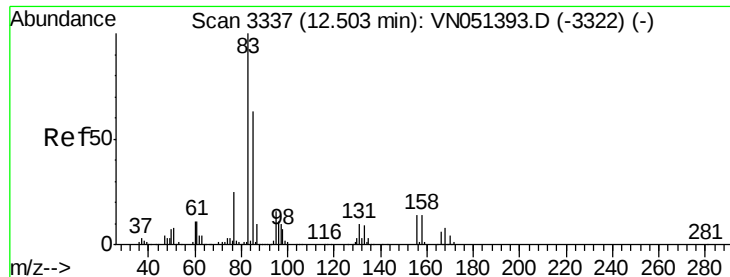
43 100

70 43.8 35.0 52.4

55 28.0 21.4 32.2

61 22.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.436 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 83 Resp: 127773
Ion Ratio Lower Upper

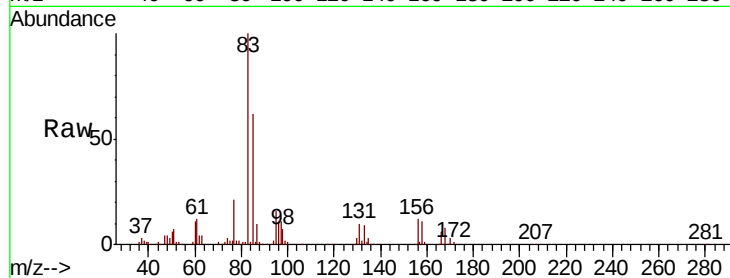
83 100

131 10.4 5.3 15.9

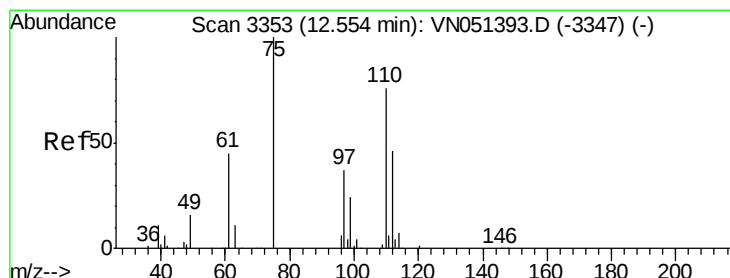
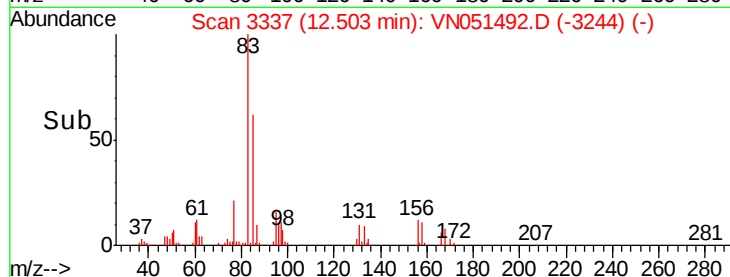
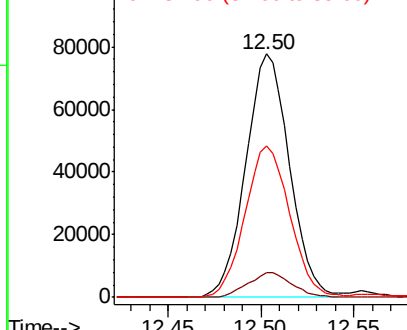
85 63.6 31.6 95.0

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 22.005 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

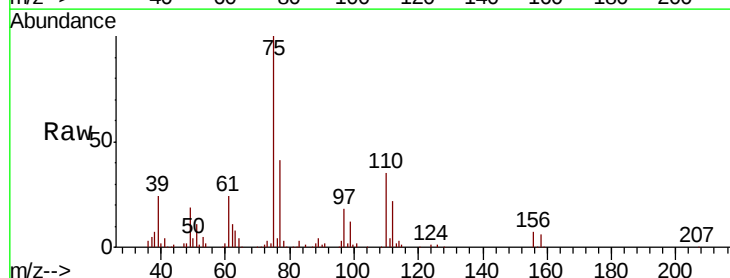
Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

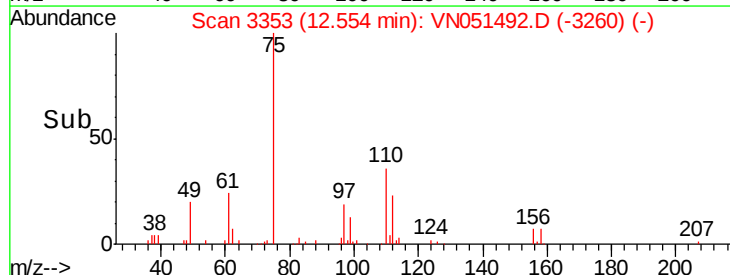
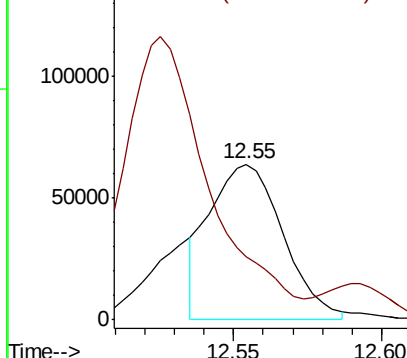
Tgt Ion: 75 Resp: 110670
Ion Ratio Lower Upper

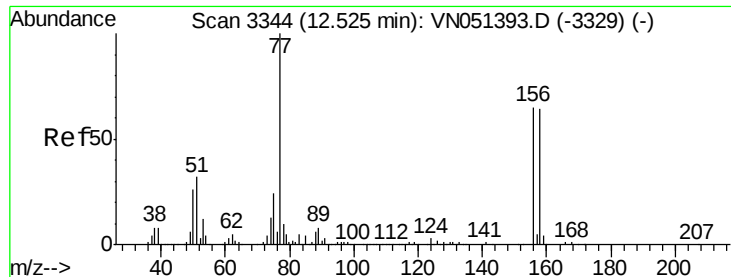
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.963 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

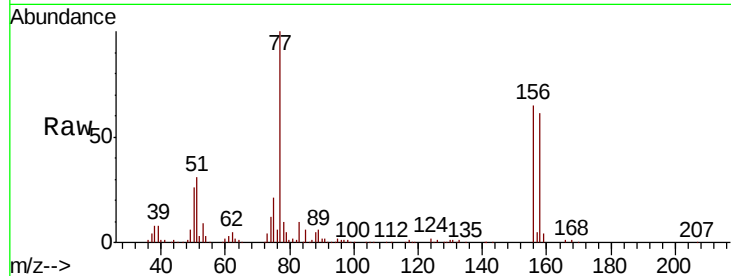
ClientSampleId :

VN0926WBSD01

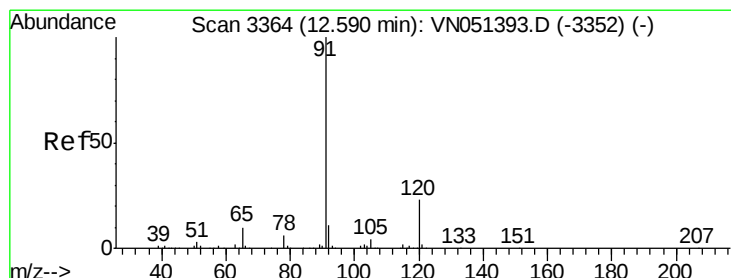
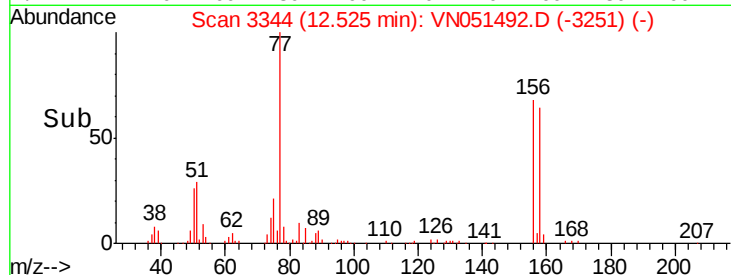
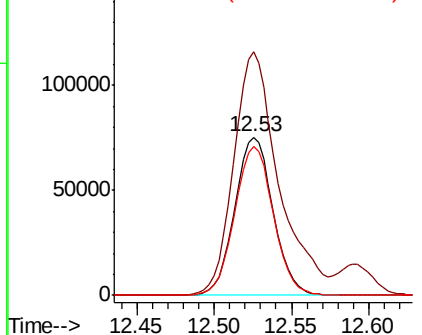
Tgt Ion:	156	Resp:	129177
Ion Ratio	Lower	Upper	
156	100		
77	182.5	89.5	268.4
158	95.3	49.4	148.2

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.662 ug/l

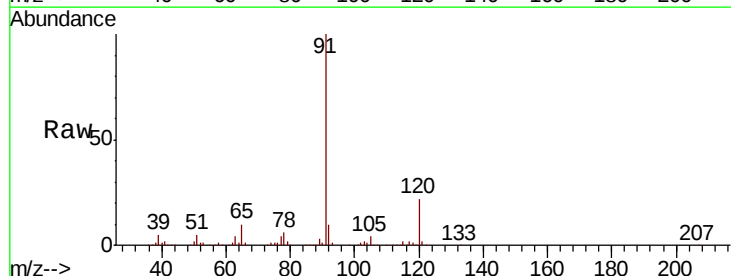
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

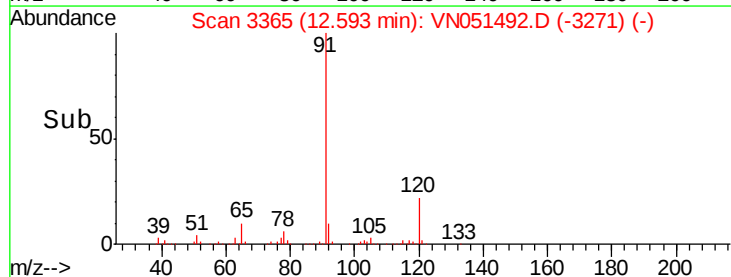
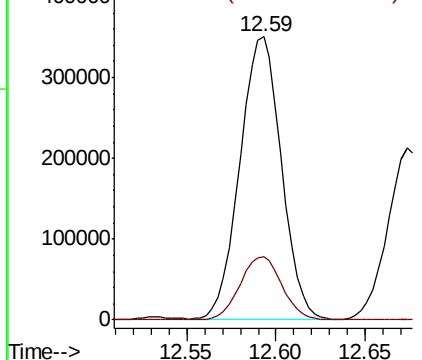
Lab File: VN051492.D

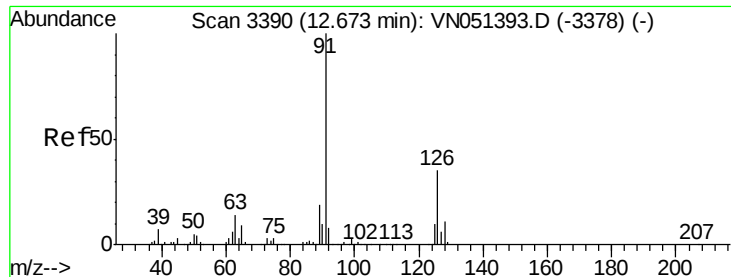
Acq: 25 Sep 2018 19:08

Tgt Ion:	91	Resp:	566426
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051492.D

Acq: 25 Sep 2018 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD01

Tgt Ion: 91 Resp: 348330

Ion Ratio Lower Upper

91 100

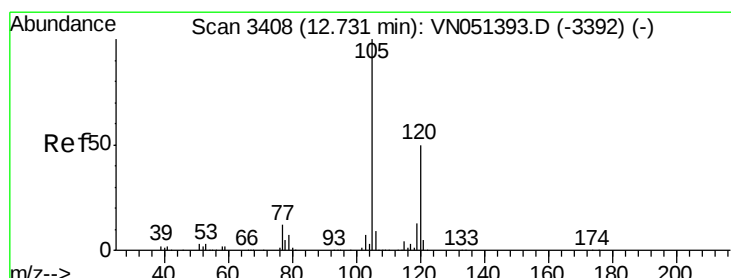
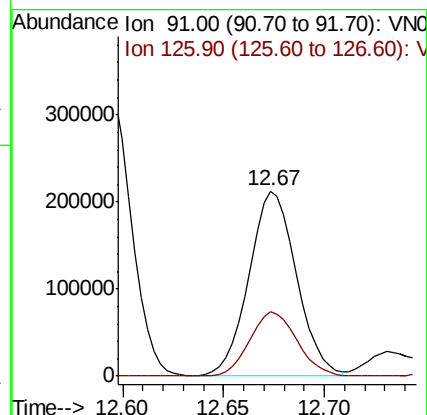
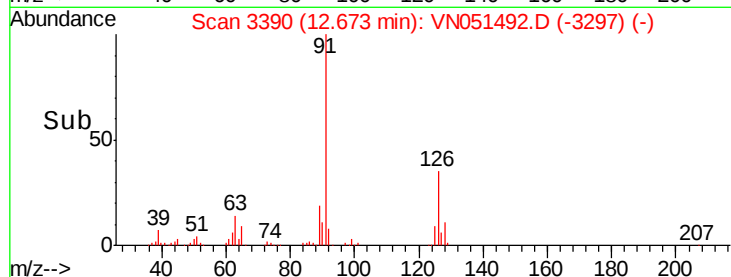
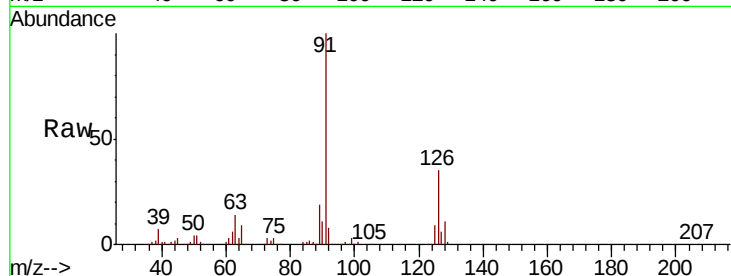
126 35.0 17.6 52.8

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:53:42 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.200 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051492.D

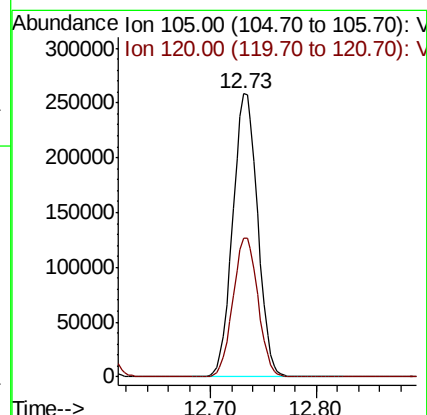
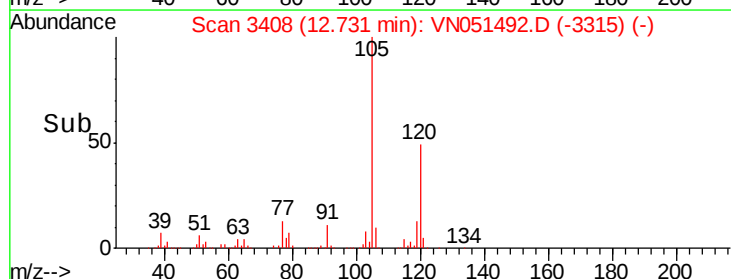
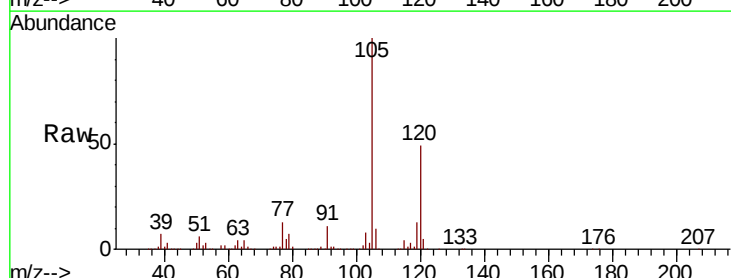
Acq: 25 Sep 2018 19:08

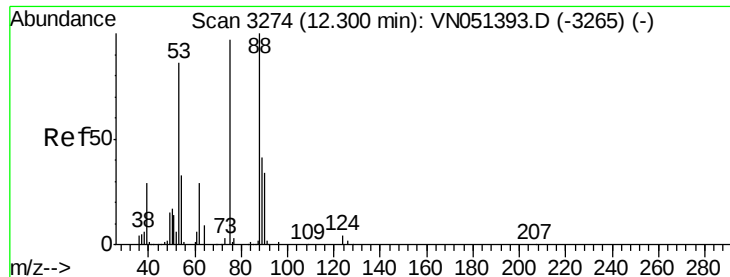
Tgt Ion: 105 Resp: 421036

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





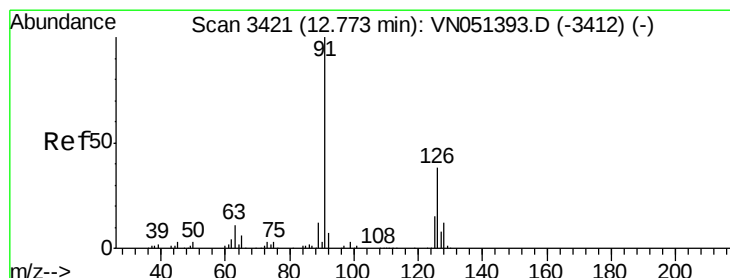
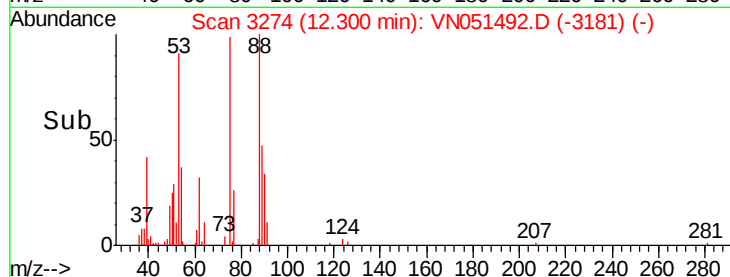
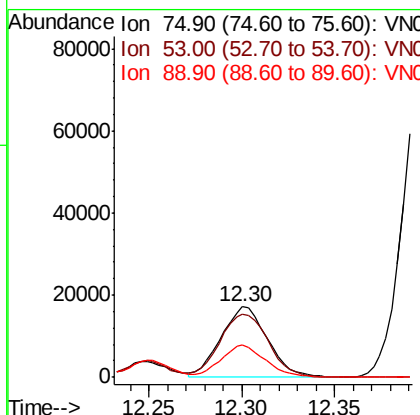
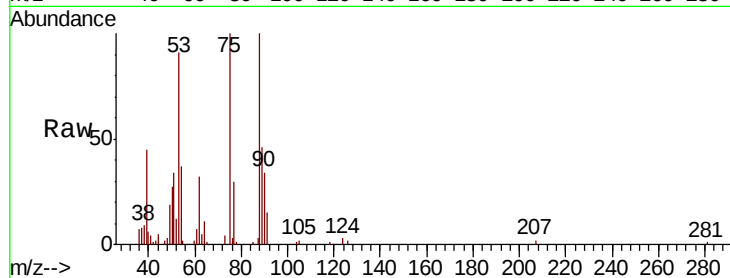
#81
trans-1,4-Dichloro-2-butene
Concen: 18.393 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.7	73.9	110.9
89	43.6	36.7	55.1

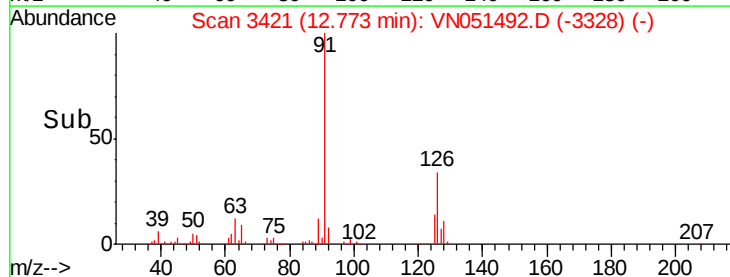
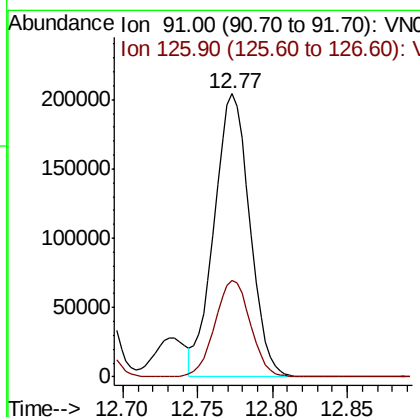
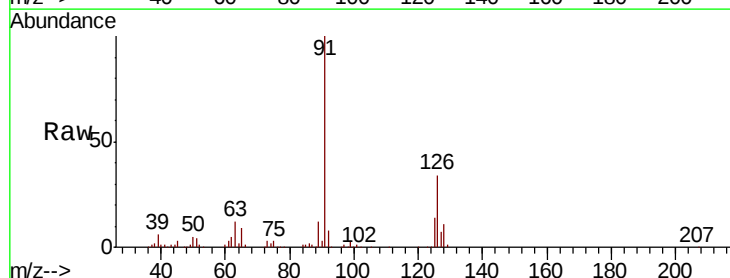
Manual Integrations
APPROVED

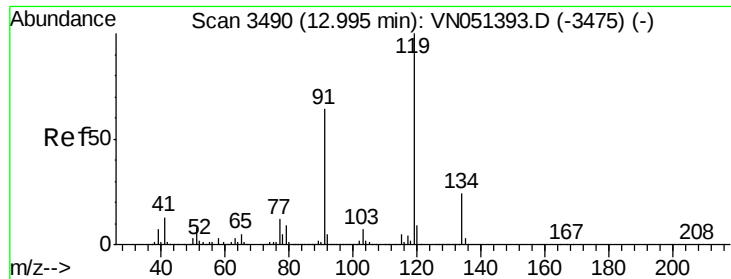
mmdadoda
9/30/2018 9:53:42 AM



#82
4-Chlorotoluene
Concen: 19.624 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.5	52.5





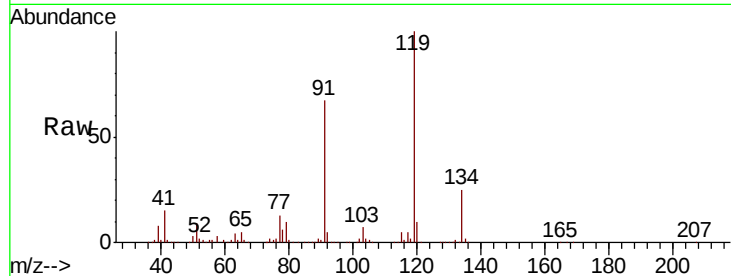
#83
tert-Butylbenzene
Concen: 19.395 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

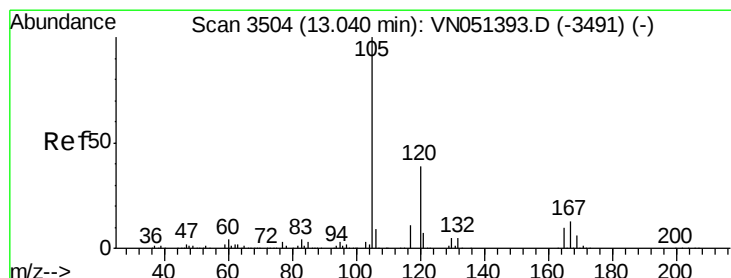
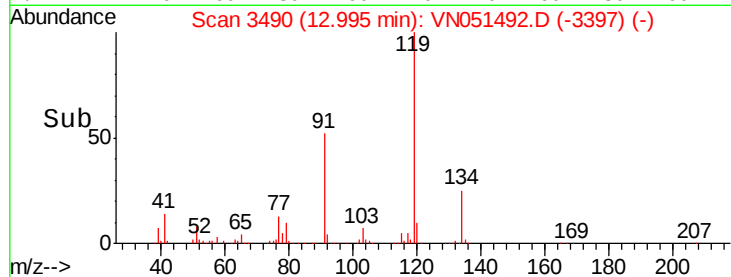
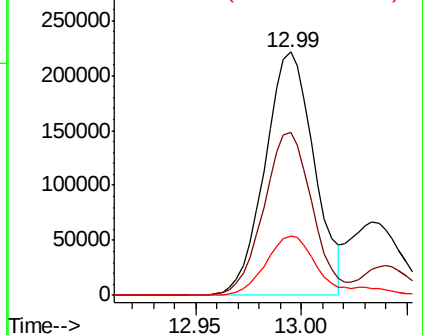
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	359808		
91	66.5	31.7	95.1	
134	24.8	12.3	36.9	

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM

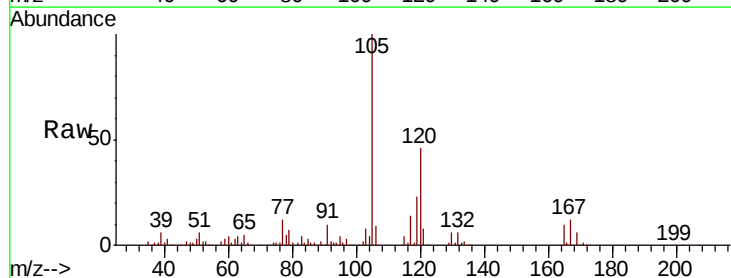


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

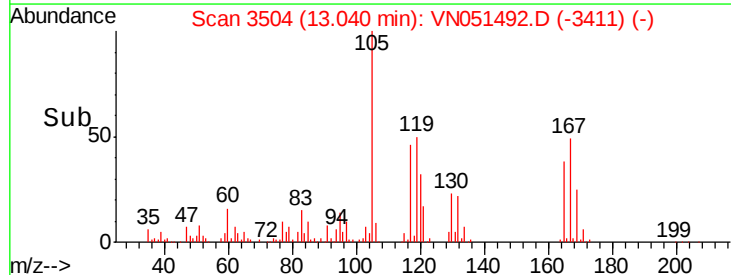
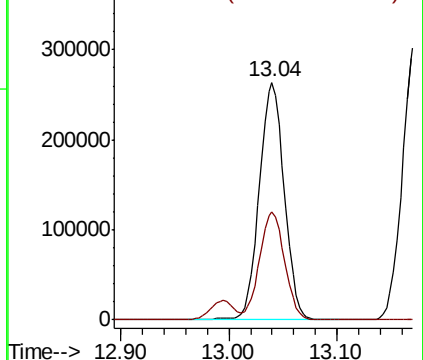


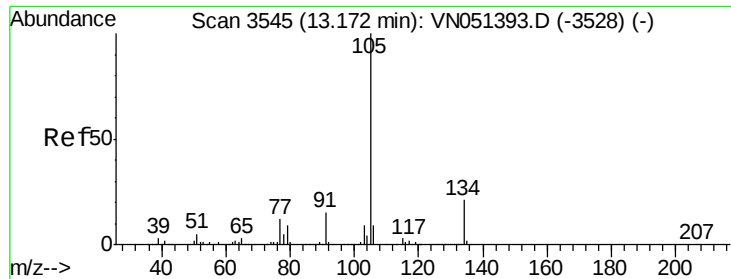
#84
1,2,4-Trimethylbenzene
Concen: 20.125 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	422690		
120	45.8	22.9	68.7	



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





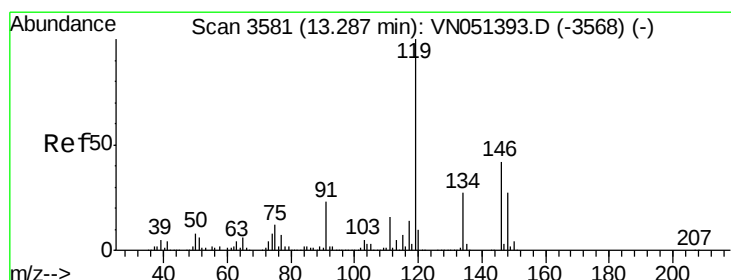
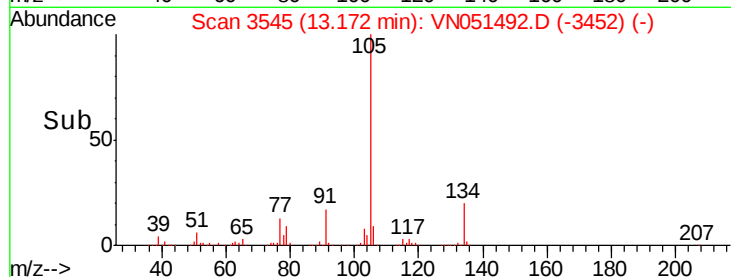
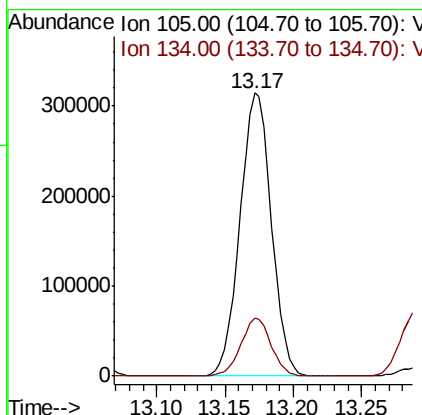
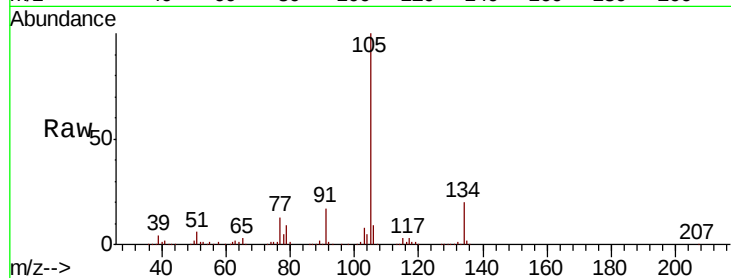
#85
 sec-Butylbenzene
 Concen: 19.974 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.4	31.1

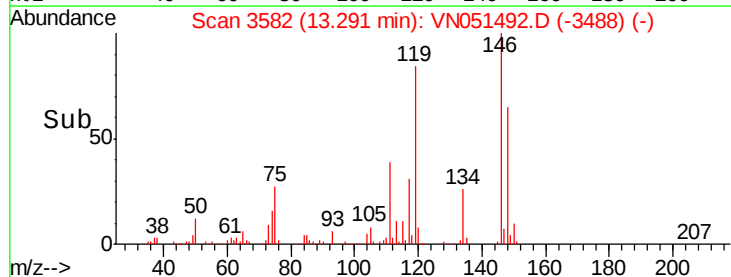
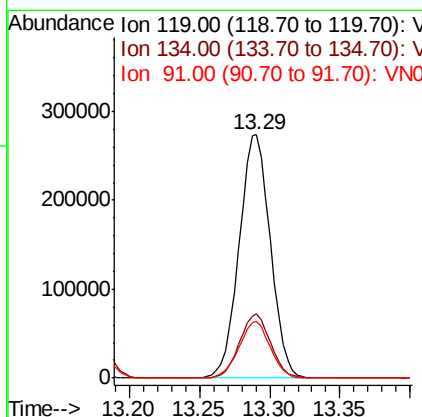
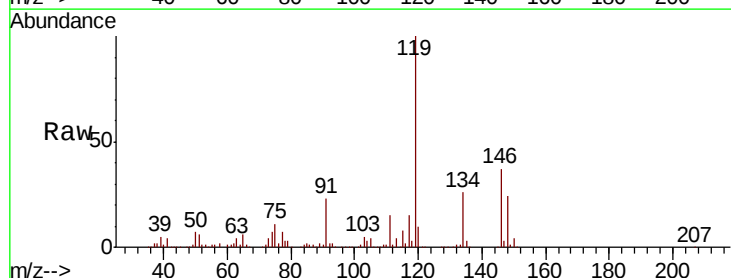
Manual Integrations
 APPROVED

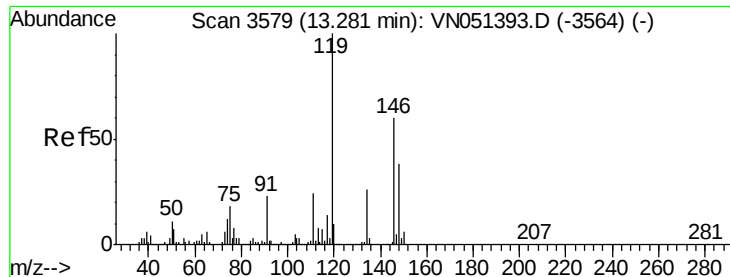
mmdadoda
 9/30/2018 9:53:42 AM



#86
 p-Isopropyltoluene
 Concen: 19.494 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.9
91	23.3	11.4	34.2





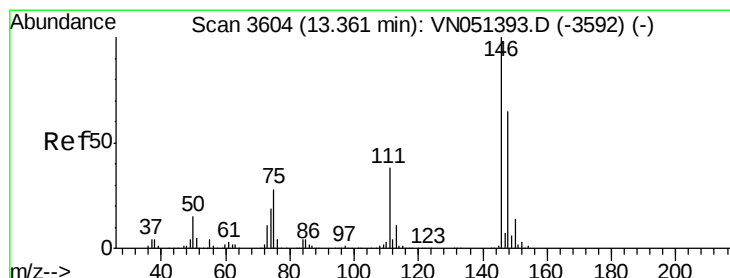
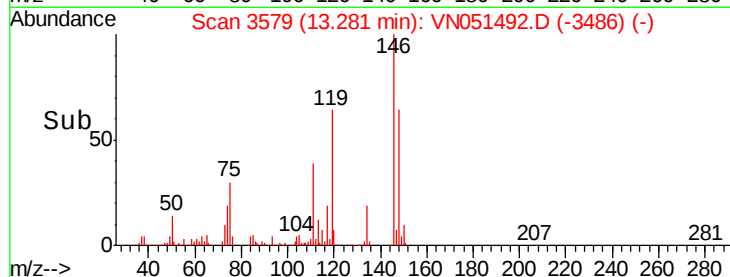
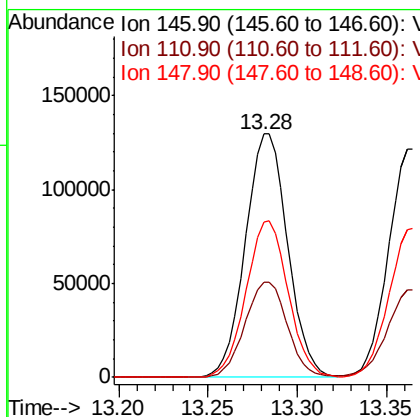
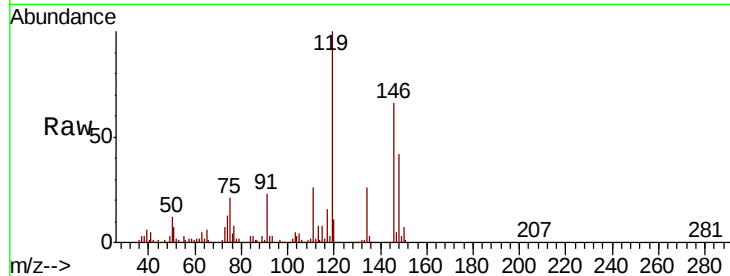
#87
 1,3-Dichlorobenzene
 Concen: 19.223 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	215259		
111	39.1	19.7	59.1	
148	63.9	31.9	95.7	

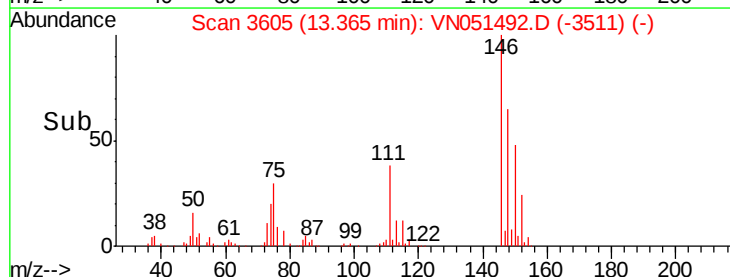
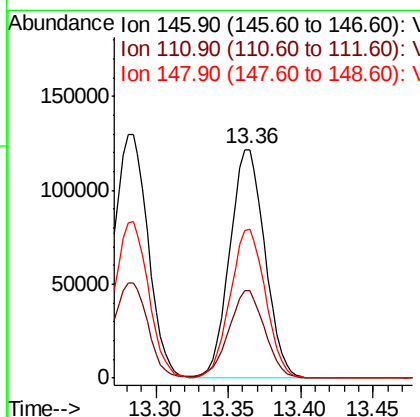
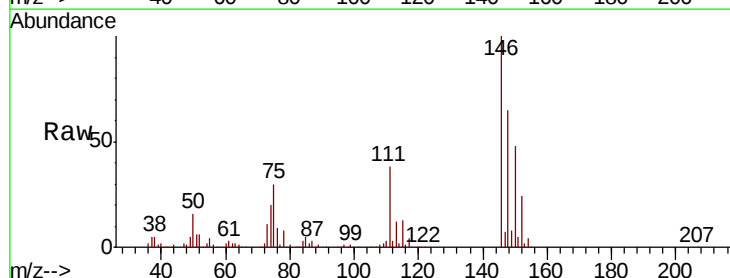
Manual Integrations
 APPROVED

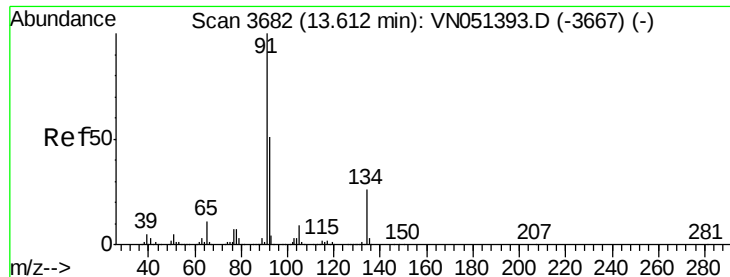
mmdadoda
 9/30/2018 9:53:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.035 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	205094		
111	39.2	19.1	57.1	
148	65.3	32.5	97.5	





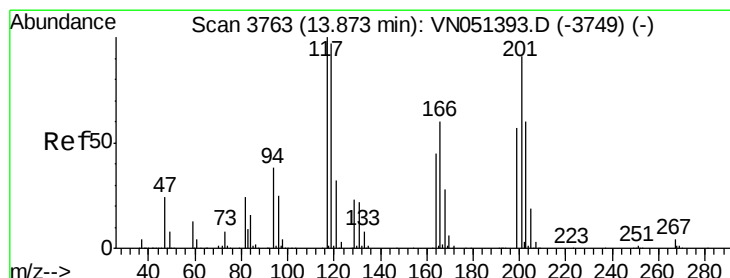
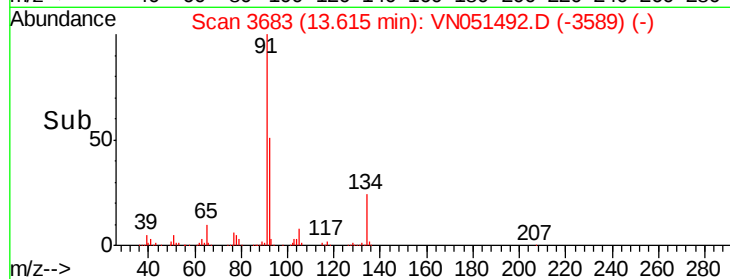
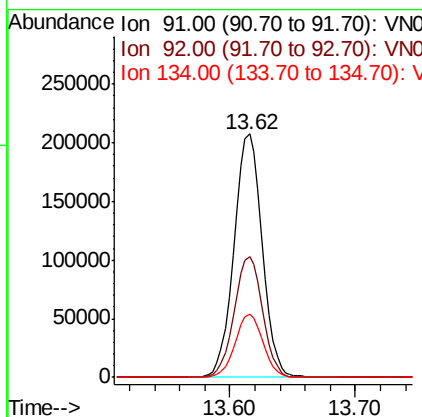
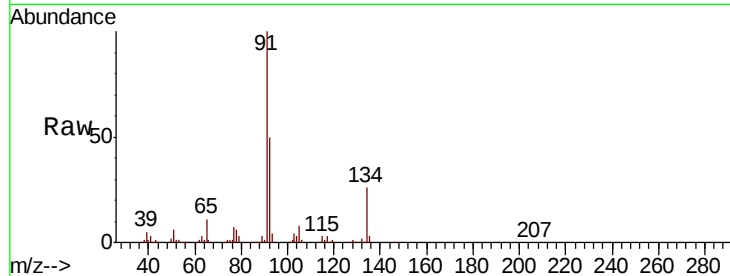
#89
n-Butylbenzene
Concen: 18.073 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.5	76.5
134	25.5	13.3	39.8

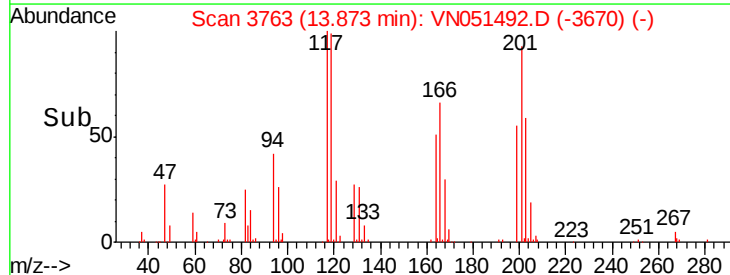
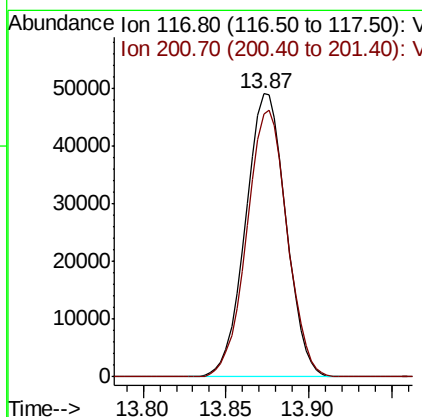
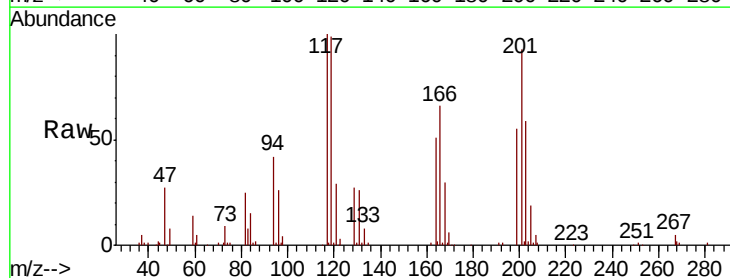
Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#90
Hexachloroethane
Concen: 19.224 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.0	45.5	136.4





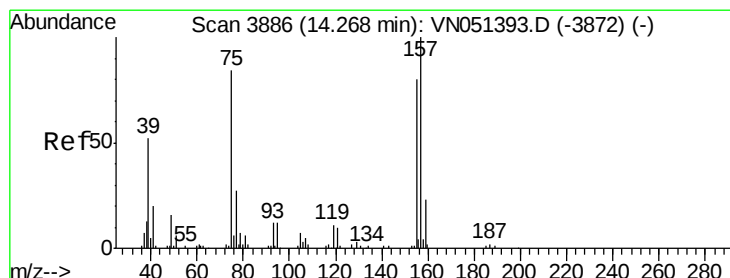
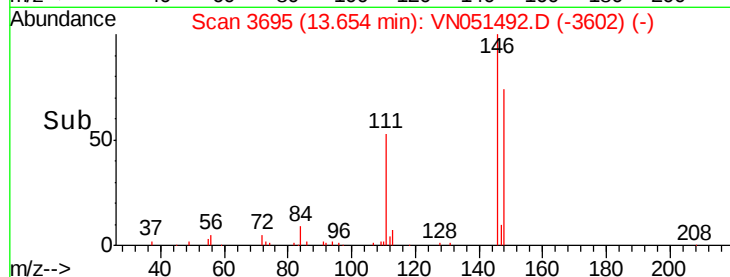
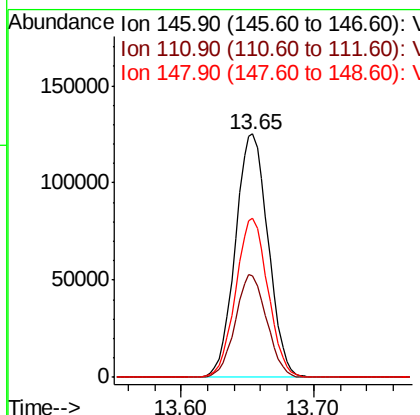
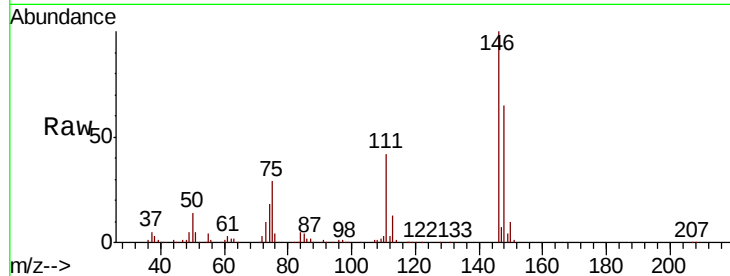
#91
 1,2-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	64.3	32.1	96.5

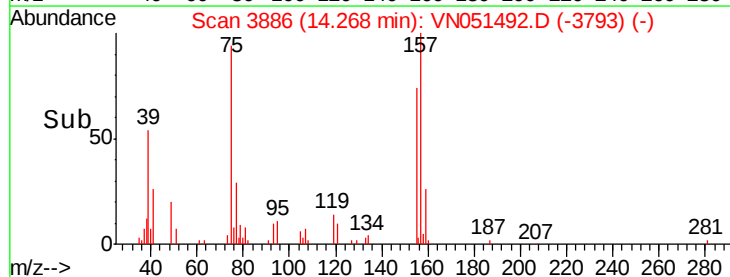
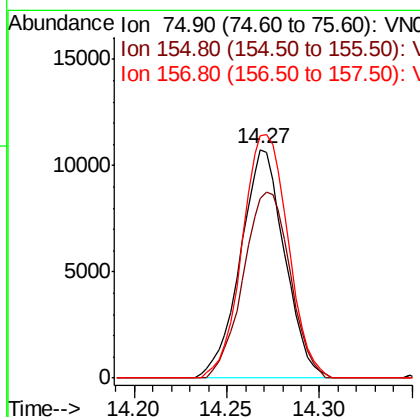
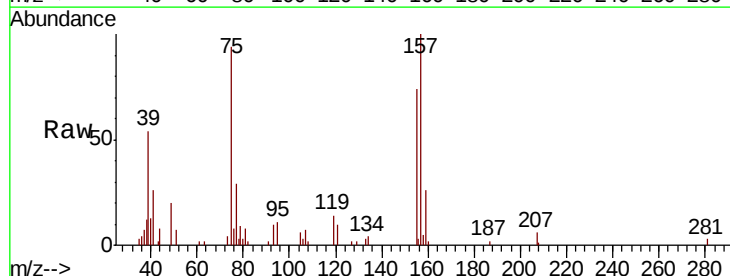
Manual Integrations
 APPROVED

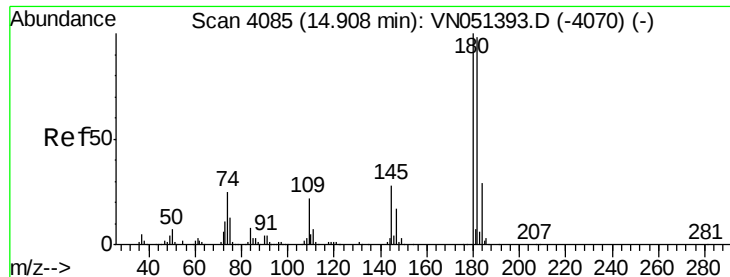
mmdadoda
 9/30/2018 9:53:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.916 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	46.9	140.6
157	110.4	58.4	175.1





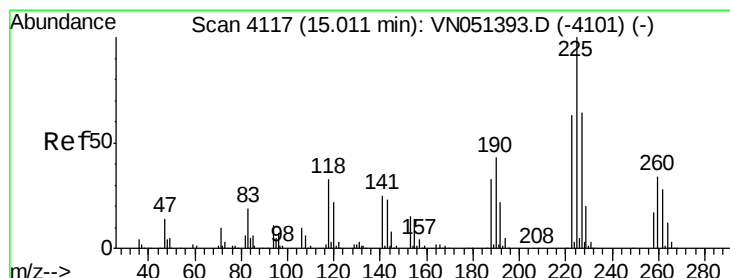
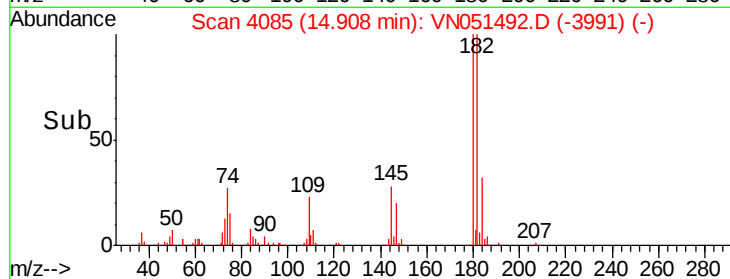
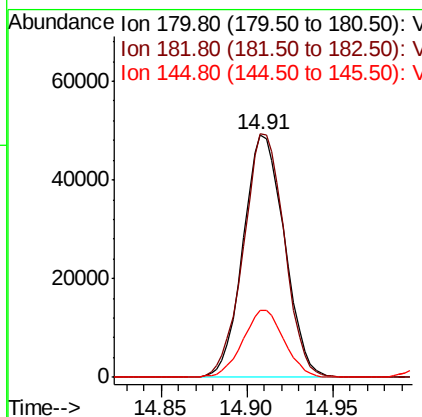
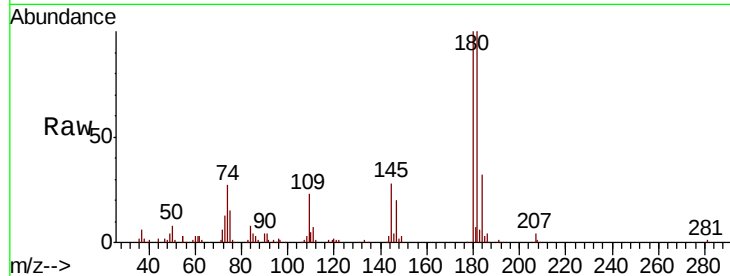
#93
 1,2,4-Trichlorobenzene
 Concen: 18.241 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81571		
182	99.6	48.5	145.6	
145	27.9	14.1	42.4	

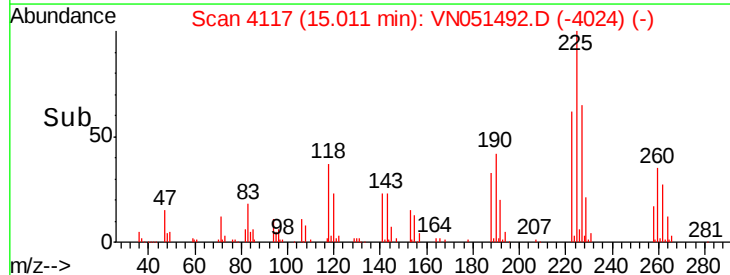
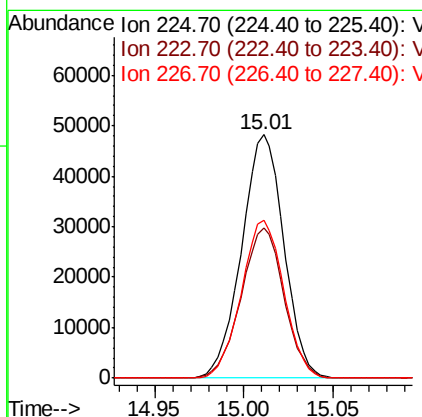
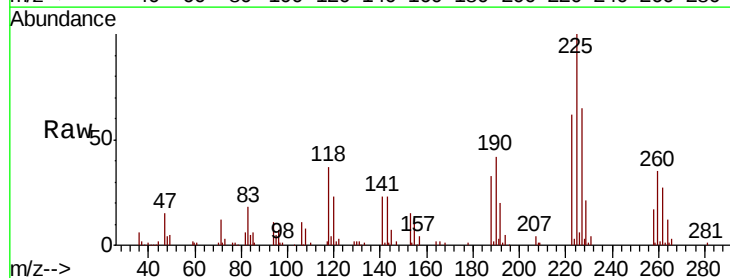
Manual Integrations
 APPROVED

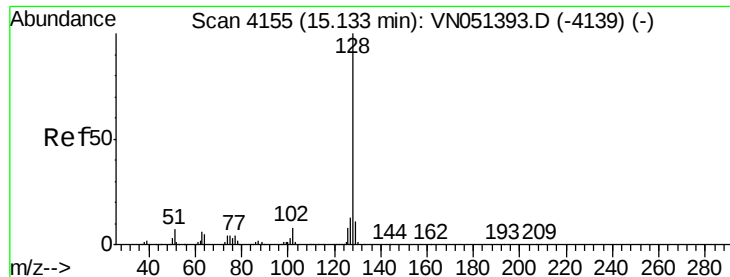
mmdadoda
 9/30/2018 9:53:42 AM



#94
 Hexachlorobutadiene
 Concen: 19.381 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051492.D
 Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79671		
223	62.7	31.9	95.9	
227	65.1	32.5	97.5	





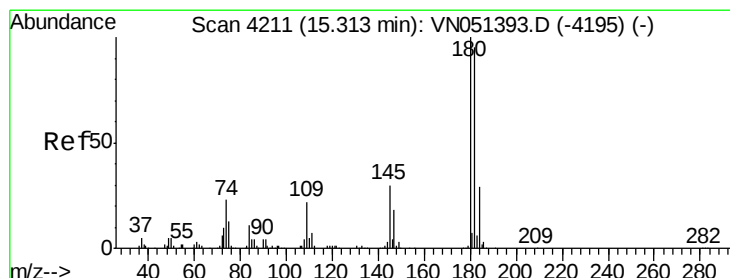
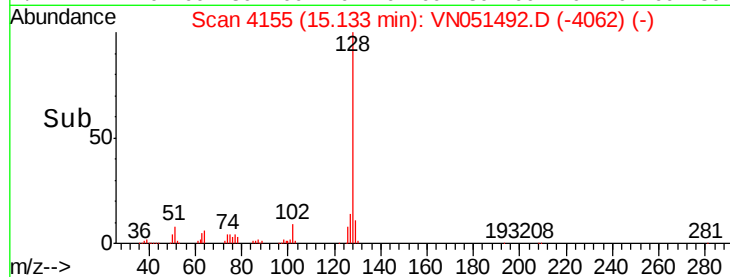
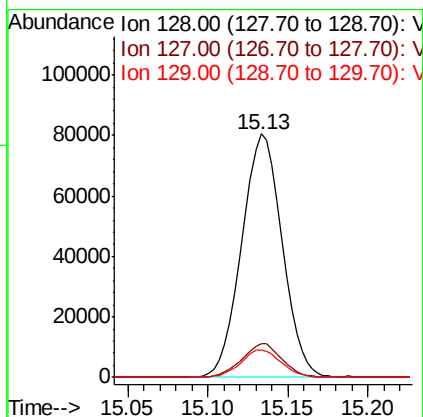
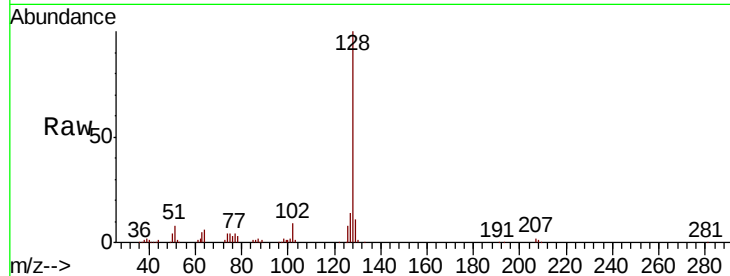
#95
Naphthalene
Concen: 18.428 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	139389		
127	13.6	10.5	15.7	
129	11.1	8.6	12.8	

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:53:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.477 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051492.D
Acq: 25 Sep 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85913		
182	97.7	47.2	141.6	
145	29.8	14.6	43.8	

