

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052463.D
 Acq On : 26 Nov 2018 17:11
 Operator : MD\SY
 Sample : VN1126WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:14 PM

Quant Time: Nov 27 01:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172381	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1008154	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	878598	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	358010	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	398484	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	1232649	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192785	19.64	ug/l	100
3) Chloromethane	2.06	50	257140	19.75	ug/l	100
4) Vinyl Chloride	2.19	62	263467	20.05	ug/l	98
5) Bromomethane	2.58	94	158935	21.21	ug/l	97
6) Chloroethane	2.71	64	156243	19.99	ug/l	99
7) Trichlorofluoromethane	3.03	101	320387	19.75	ug/l	99
8) Diethyl Ether	3.42	74	117702	19.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	201230	19.57	ug/l	98
10) 1,1-Dichloroethene	3.74	96	189999	19.65	ug/l	100
11) Methyl Iodide	3.96	142	243633	18.15	ug/l	98
12) Methyl Acetate	4.33	43	159753	19.45	ug/l	97
13) Acrolein	3.61	56	90457	93.76	ug/l	99
14) Acrylonitrile	4.99	53	338587	96.75	ug/l	97
15) Acetone	3.82	58	85117	93.91	ug/l	100
16) Carbon Disulfide	4.06	76	577704	18.88	ug/l	100
17) Allyl chloride	4.33	41	319279	18.94	ug/l	98
18) Methylene Chloride	4.56	84	221748	19.81	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	205101	19.72	ug/l	96
20) Diisopropyl ether	5.95	45	709576	20.03	ug/l	98
21) 1,1-Dichloroethane	5.85	63	403979	20.01	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	238011	19.96	ug/l	99
23) tert-Butyl Alcohol	4.78	59	48889m	93.91	ug/l	
24) Methyl tert-Butyl Ether	5.05	73	511465	20.17	ug/l	98
25) Chloroform	7.37	83	392468	20.15	ug/l	100
26) Cyclohexane	7.65	56	366763	19.26	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	300518	19.52	ug/l	100
30) 2-Butanone	6.84	43	384633	93.37	ug/l	100
31) 2,2-Dichloropropane	6.82	77	268878	18.97	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	315746	19.71	ug/l	98
33) Carbon Tetrachloride	7.78	117	273244	19.49	ug/l	99
34) Benzene	8.04	78	909512	19.65	ug/l	99
35) Methacrylonitrile	7.18	41	97437	19.06	ug/l	94
36) 1,2-Dichloroethane	8.13	62	277210	19.76	ug/l	100
37) Trichloroethene	8.84	130	231794	19.75	ug/l	95
38) Methylcyclohexane	9.08	83	360209	18.90	ug/l	99
39) 1,2-Dichloropropane	9.12	63	242754	19.56	ug/l	98
40) Dibromomethane	9.21	93	133629	19.93	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052463.D
 Acq On : 26 Nov 2018 17:11
 Operator : MD\SY
 Sample : VN1126WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1126WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:14 PM

Quant Time: Nov 27 01:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	285411	19.27	ug/l	99
42) Vinyl Acetate	5.90	43	2163230	97.05	ug/l	99
43) Ethyl Acetate	6.93	43	173854	19.85	ug/l #	70
44) Isopropyl Acetate	8.17	43	303551	19.76	ug/l	98
45) 1,4-Dioxane	9.20	88	32932	391.83	ug/l	99
46) Methyl methacrylate	9.20	41	156173	19.58	ug/l	98
47) n-amyl Acetate	12.07	43	236963	18.60	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	272386	18.96	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	335082	19.15	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	184749	19.44	ug/l	99
51) Ethyl methacrylate	10.43	69	227761	19.08	ug/l	99
52) 1,3-Dichloropropane	10.71	76	332897	19.68	ug/l	100
53) Dibromochloromethane	10.90	129	201786	19.28	ug/l	97
54) 1,2-Dibromoethane	11.01	107	183501	19.76	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	664130	95.05	ug/l	100
56) Bromoform	12.13	173	130611	19.10	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	851464	99.96	ug/l	99
59) 2-Hexanone	10.75	43	556354	95.62	ug/l	99
61) Tetrachloroethene	10.63	164	214088	19.78	ug/l	97
62) Toluene	10.16	91	961142	19.84	ug/l	100
64) Chlorobenzene	11.44	112	578916	19.58	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	204296	19.91	ug/l	98
66) Ethyl Benzene	11.51	91	1030536	19.74	ug/l	99
67) m/p-Xylenes	11.62	106	766420	39.41	ug/l	100
68) o-Xylene	11.95	106	375804	19.91	ug/l	98
69) Styrene	11.97	104	595860	19.56	ug/l	100
70) Isopropylbenzene	12.25	105	997907	19.87	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219983	20.14	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	177462m	18.92	ug/l	
73) Bromobenzene	12.53	156	240458	19.80	ug/l	97
74) n-propylbenzene	12.59	91	1141314	19.50	ug/l	100
75) 2-Chlorotoluene	12.68	91	675912	19.90	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	803749	19.81	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	52710	17.79	ug/l	95
78) 4-Chlorotoluene	12.78	91	659539	19.44	ug/l	100
79) tert-butylbenzene	12.99	119	705398	19.97	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	812166	20.01	ug/l	99
81) sec-Butylbenzene	13.17	105	963526	19.58	ug/l	99
82) p-Isopropyltoluene	13.29	119	817118	19.50	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	411132	19.24	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	399102	19.34	ug/l	99
85) n-Butylbenzene	13.62	91	664075	18.45	ug/l	99
86) Hexachloroethane	13.88	117	134078	18.89	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	395267	19.44	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29330	19.17	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	180628	18.03	ug/l	99
90) Hexachlorobutadiene	15.01	225	126886	19.31	ug/l	98
91) Naphthalene	15.14	128	358715	17.74	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	166924	18.08	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Data File : VN052463.D
Acq On : 26 Nov 2018 17:11
Operator : MD\SY
Sample : VN1126WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM

Quant Time: Nov 27 01:08:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

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

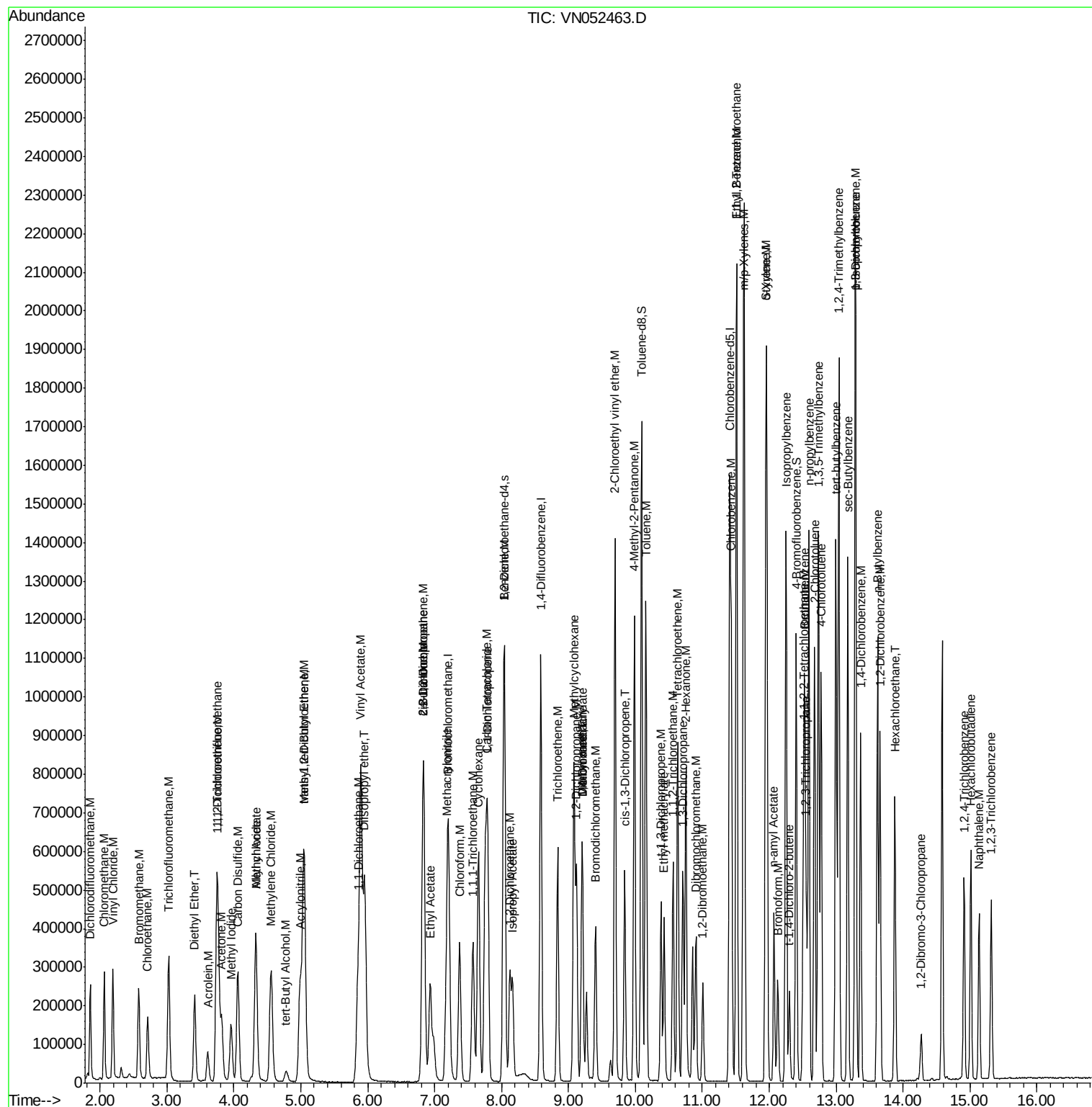
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Data File : VN052463.D
Acq On : 26 Nov 2018 17:11
Operator : MD\SY
Sample : VN1126WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 28

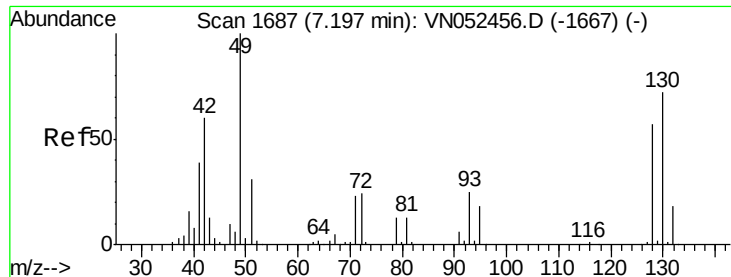
Instrument :
MSVOA_N
Client Sampled :
VN1126WBS01

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM

Quant Time: Nov 27 01:08:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





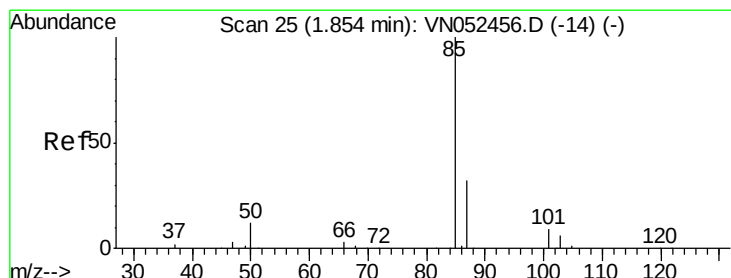
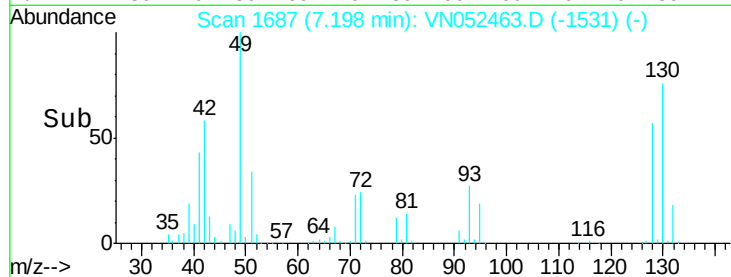
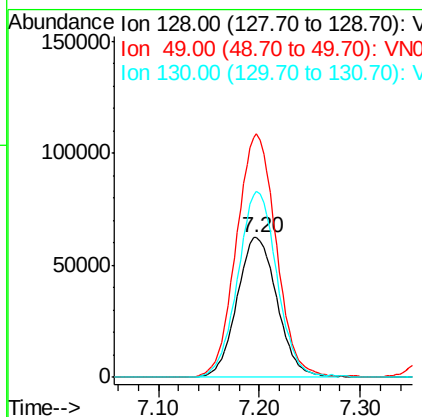
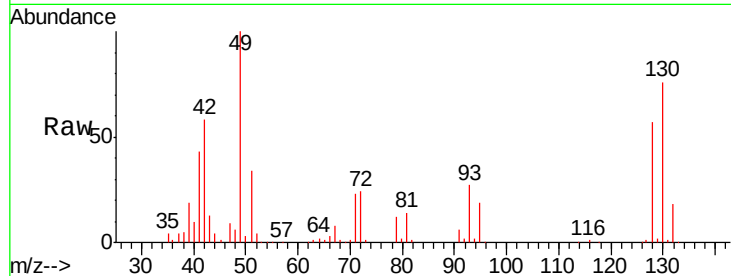
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	172381		
49	172.2	0.0	431.8	
130	129.5	0.0	317.0	

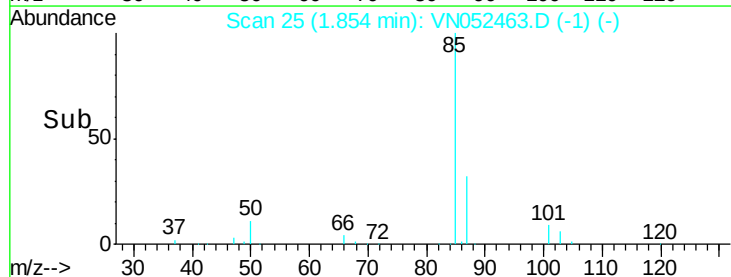
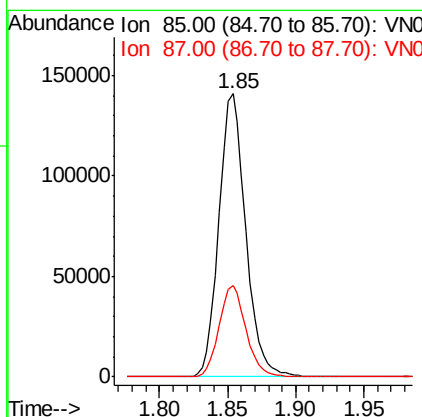
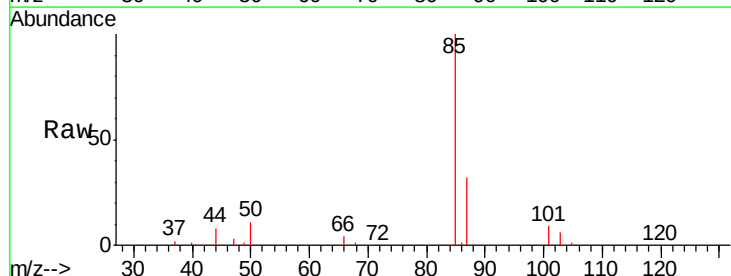
Manual Integrations
APPROVED

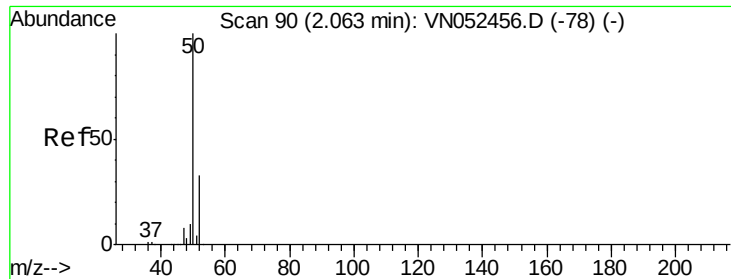
MMDadoda
11/27/2018 3:52:14 PM



#2
Dichlorodifluoromethane
Concen: 19.64 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	192785		
87	32.4	16.1	48.3	





#3

Chloromethane

Concen: 19.75 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 50 Resp: 257140

Ion Ratio Lower Upper

50 100

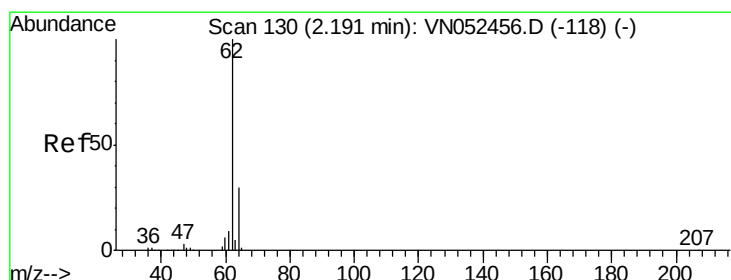
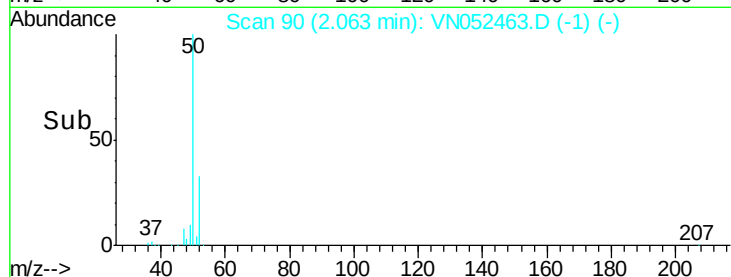
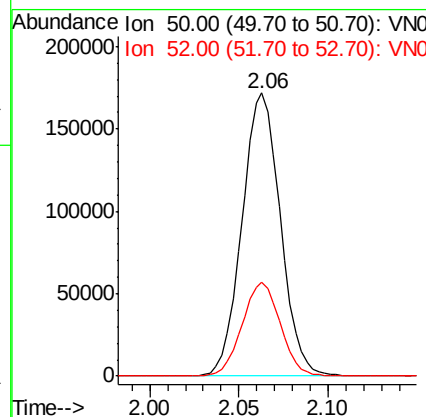
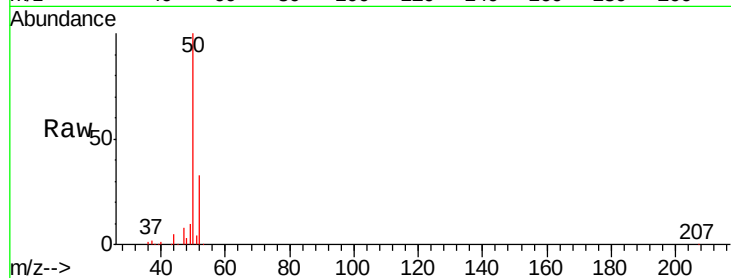
52 33.0 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#4

Vinyl Chloride

Concen: 20.05 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052463.D

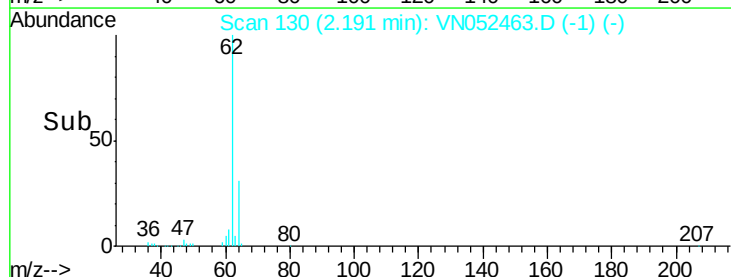
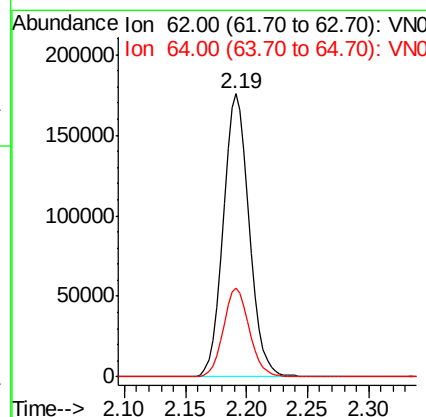
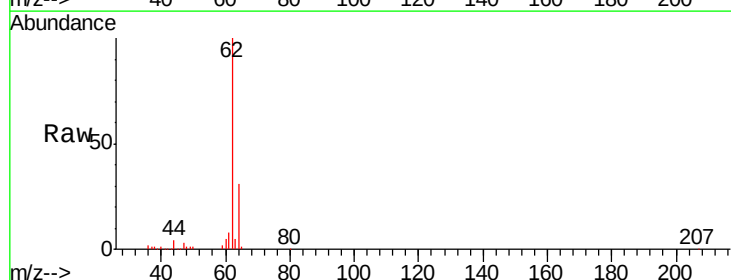
Acq: 26 Nov 2018 17:11

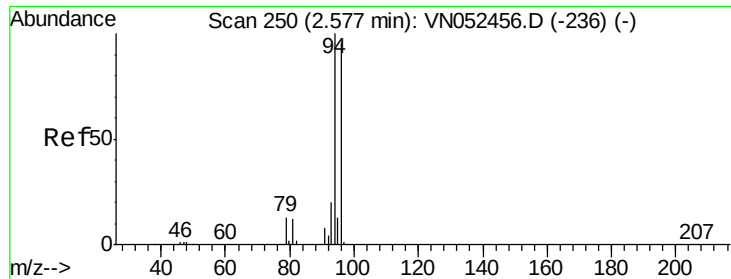
Tgt Ion: 62 Resp: 263467

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 21.21 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 94 Resp: 158935

Ion Ratio Lower Upper

94 100

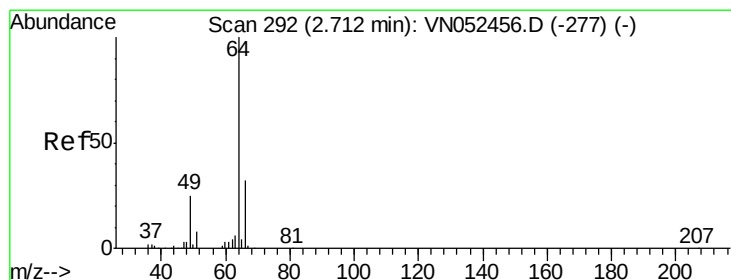
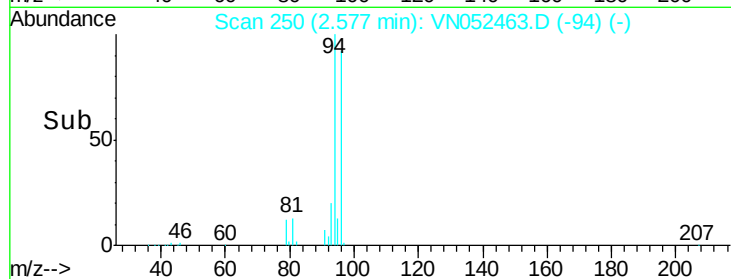
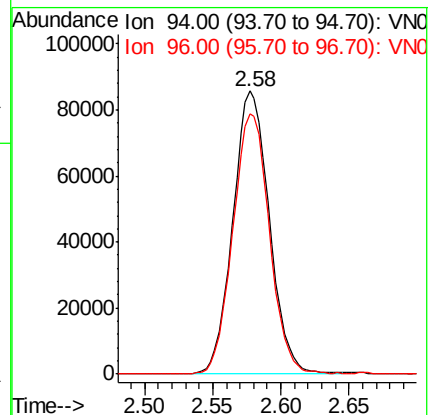
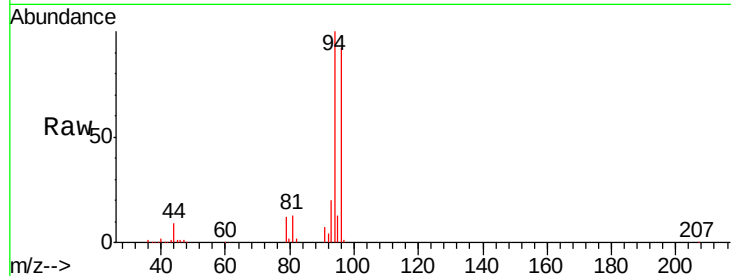
96 91.8 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#6

Chloroethane

Concen: 19.99 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052463.D

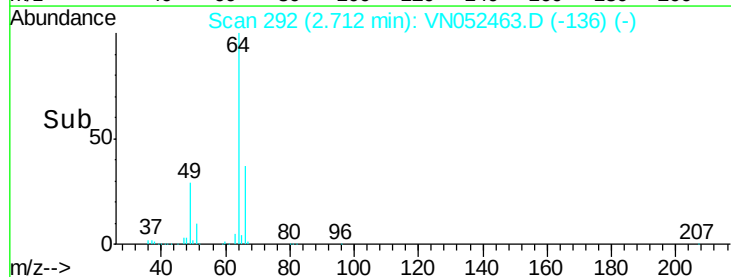
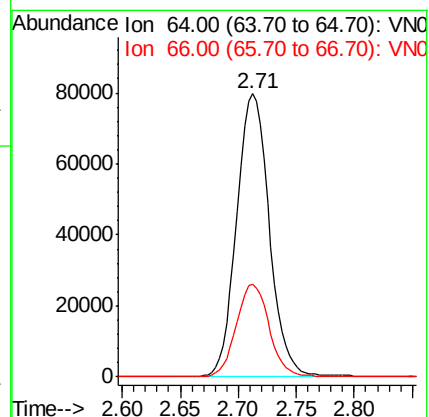
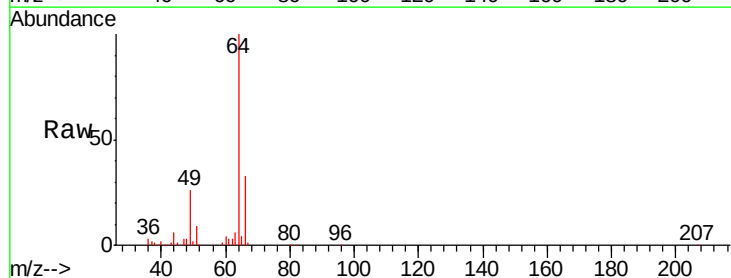
Acq: 26 Nov 2018 17:11

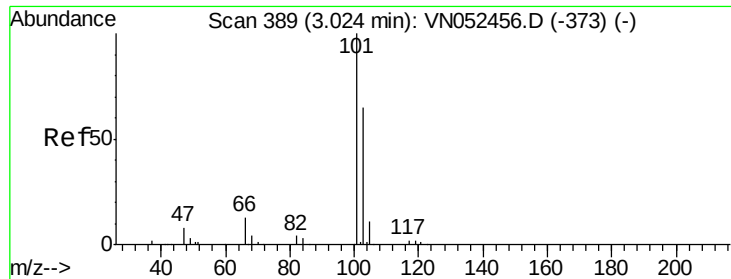
Tgt Ion: 64 Resp: 156243

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4





#7

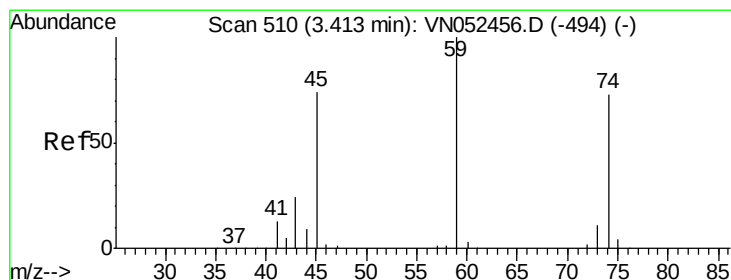
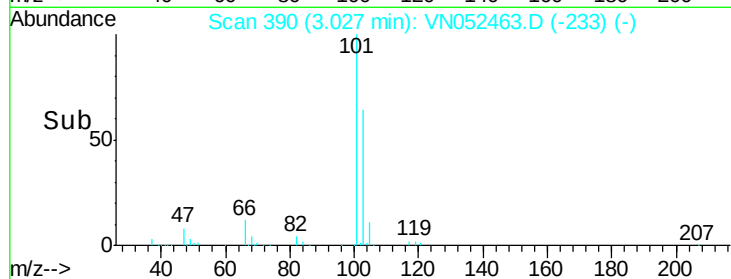
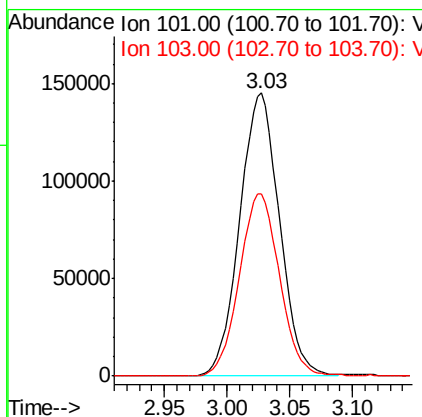
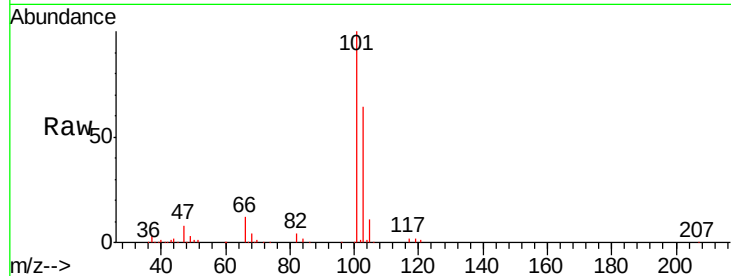
Trichlorofluoromethane
 Concen: 19.75 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Manual Integrations
 APPROVED

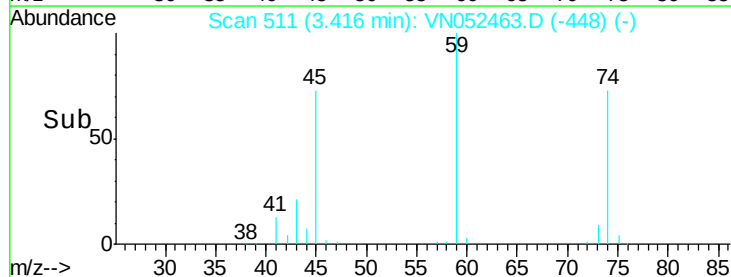
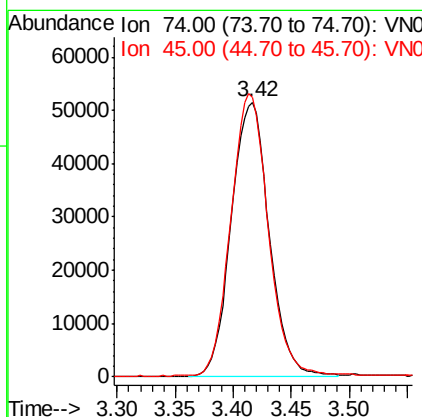
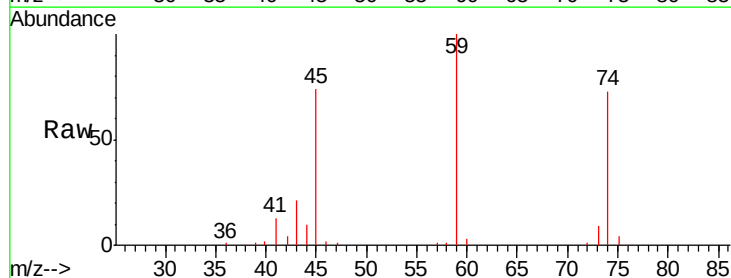
MMDadoda
 11/27/2018 3:52:14 PM

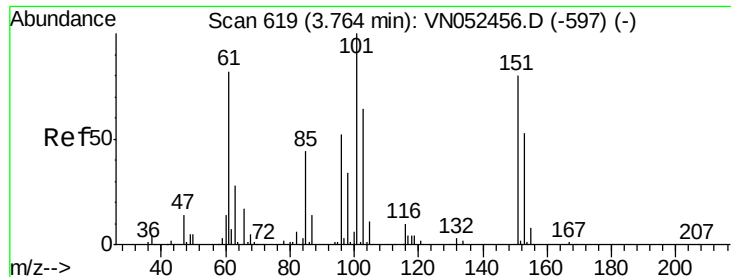


#8

Diethyl Ether
 Concen: 19.65 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

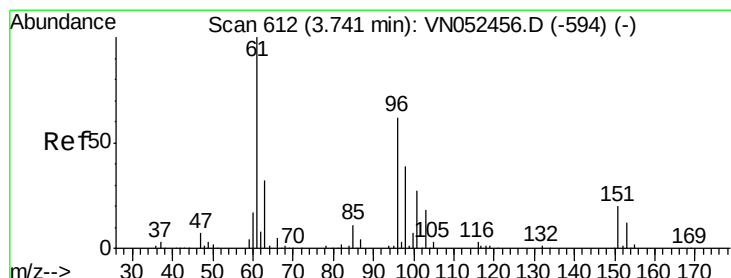
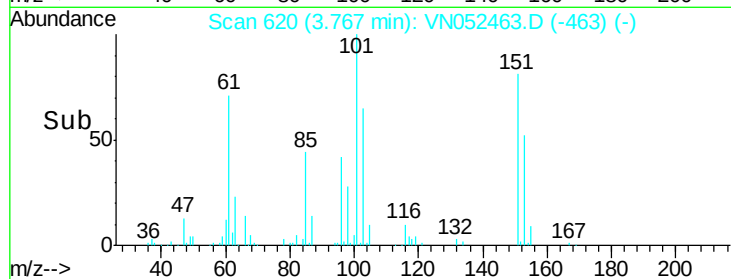
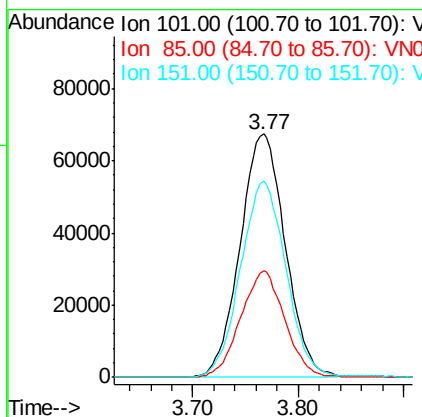
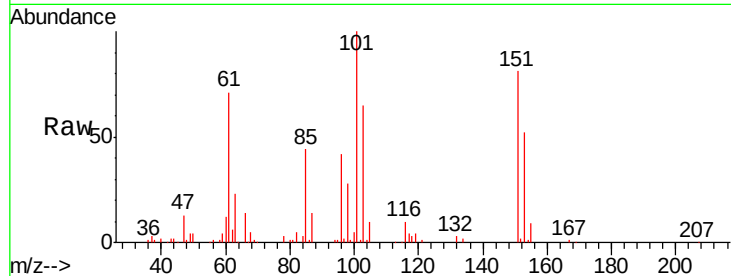
ClientSampleId :

VN1126WBS01

Tgt Ion:	101	Resp:	201230
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	82.6
151	80.8	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#10

1,1-Dichloroethene

Concen: 19.65 ug/l

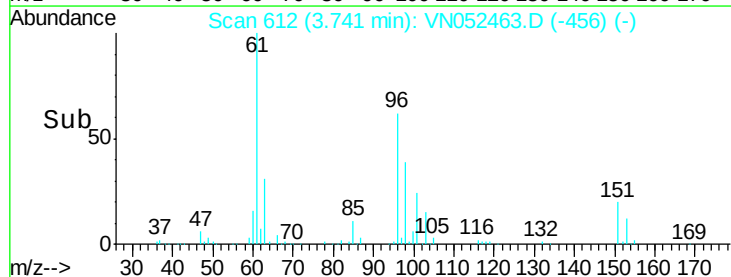
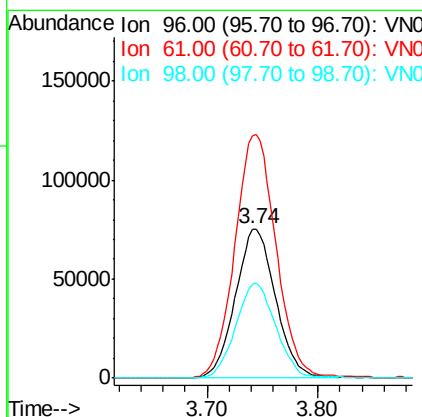
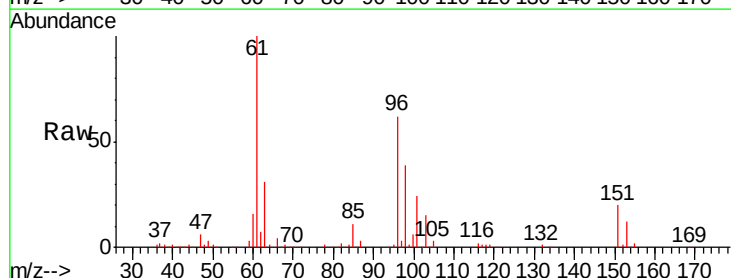
RT: 3.74 min Scan# 612

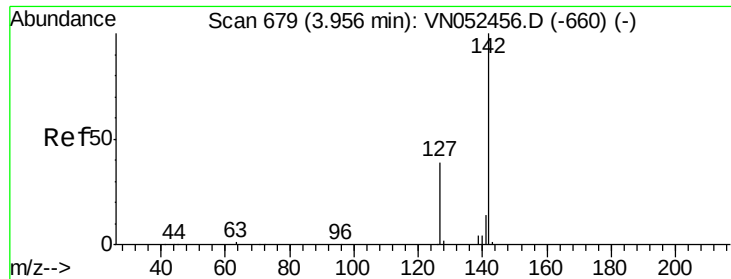
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	96	Resp:	189999
Ion Ratio	Lower	Upper	
96	100		
61	162.4	129.4	194.2
98	63.0	50.4	75.6





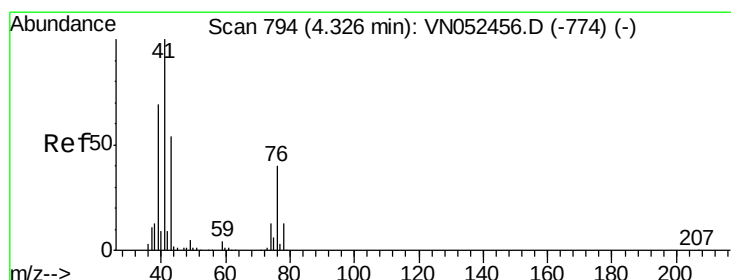
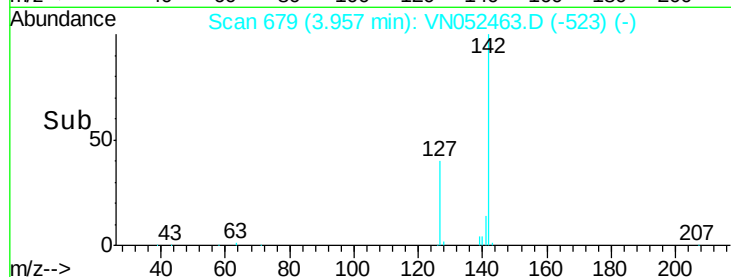
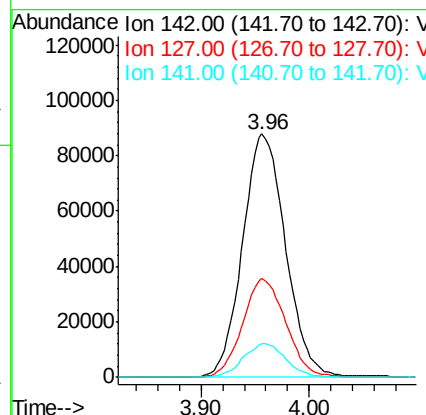
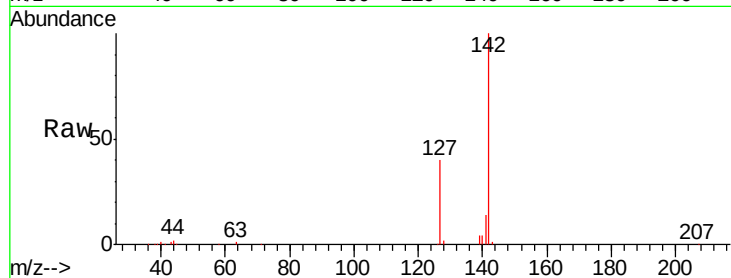
#11
Methyl Iodide
Concen: 18.15 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.4	19.4	58.1
141	13.9	7.2	21.6

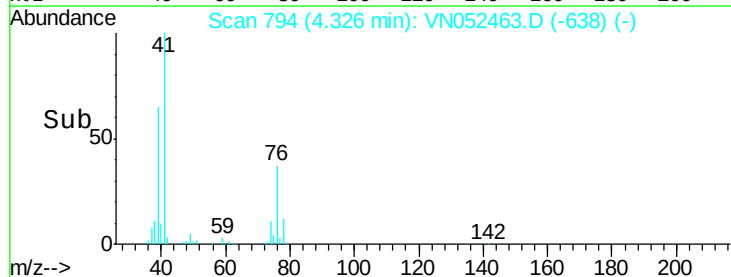
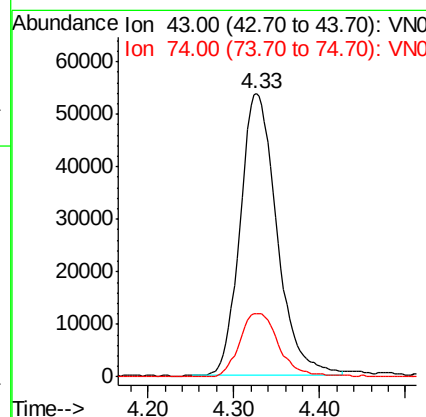
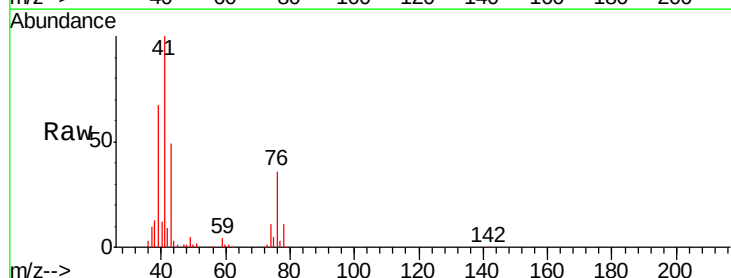
Manual Integrations
APPROVED

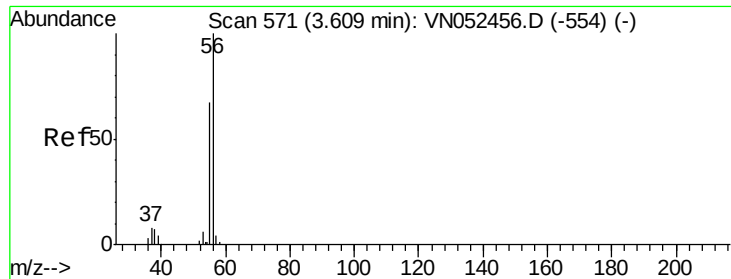
MMDadoda
11/27/2018 3:52:14 PM



#12
Methyl Acetate
Concen: 19.45 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.9	28.3





#13

Acrolein

Concen: 93.76 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 56 Resp: 90457

Ion Ratio Lower Upper

56 100

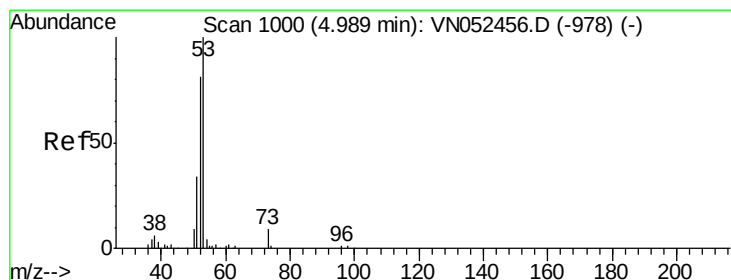
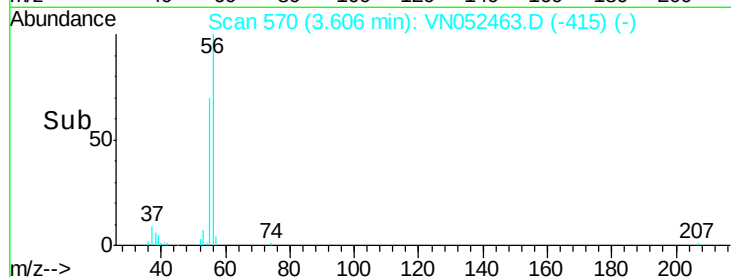
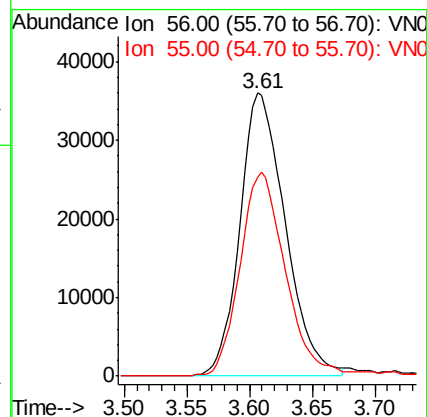
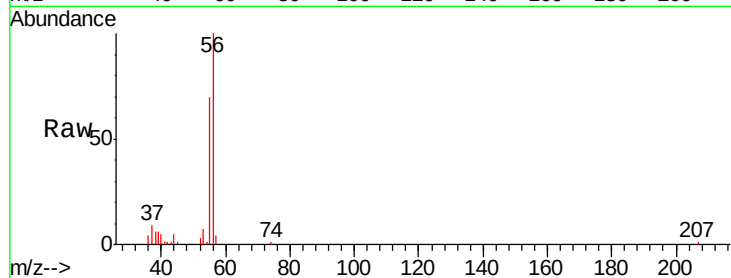
55 71.6 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#14

Acrylonitrile

Concen: 96.75 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

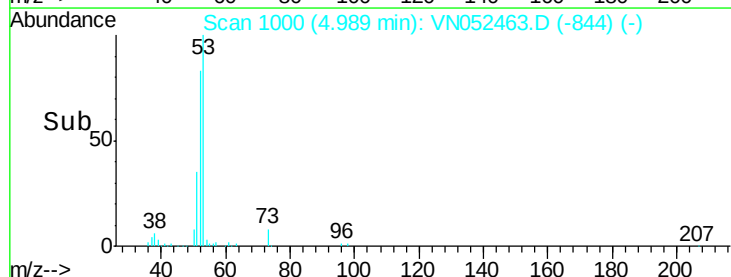
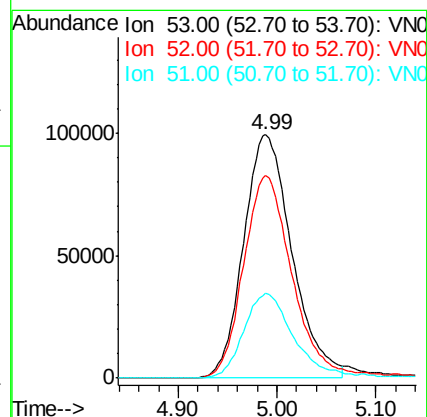
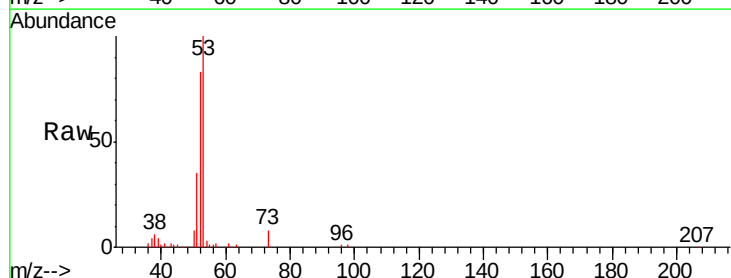
Tgt Ion: 53 Resp: 338587

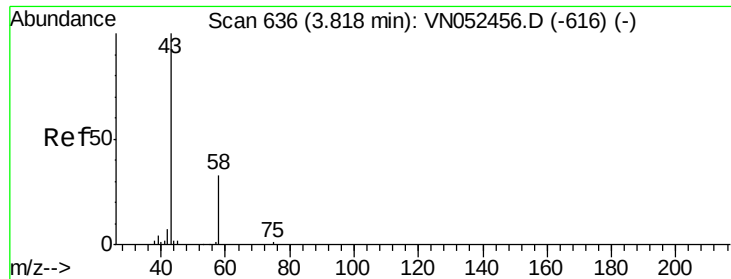
Ion Ratio Lower Upper

53 100

52 83.1 39.9 119.7

51 35.7 17.6 52.9





#15

Acetone

Concen: 93.91 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 58 Resp: 85117

Ion Ratio Lower Upper

58 100

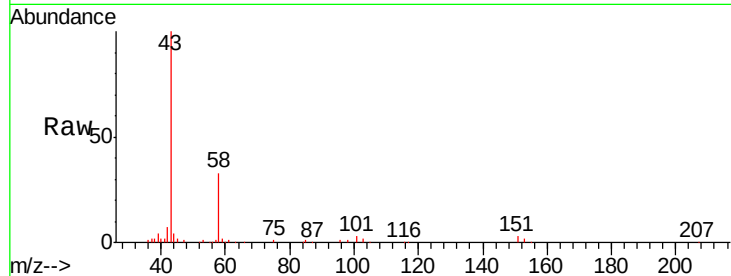
43 304.6 243.6 365.4

Manual Integrations

APPROVED

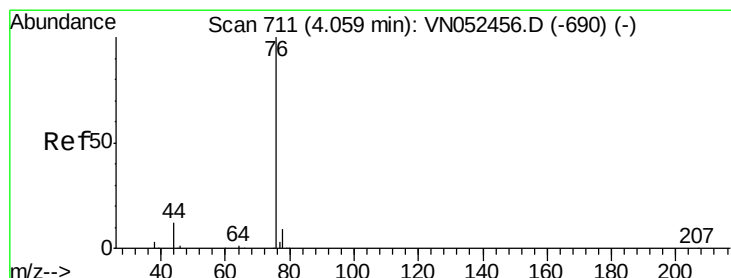
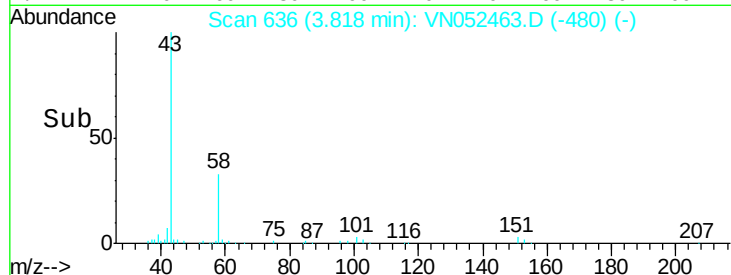
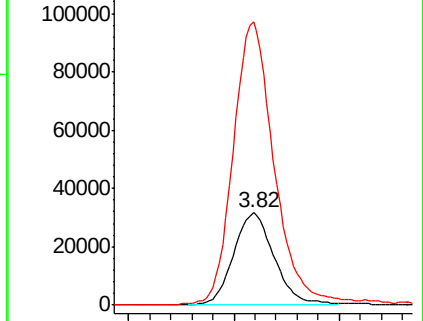
MMDadoda

11/27/2018 3:52:14 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.88 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052463.D

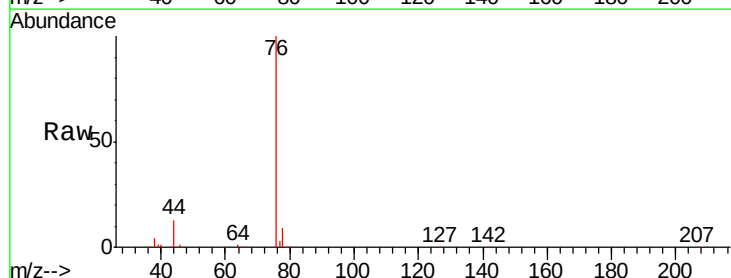
Acq: 26 Nov 2018 17:11

Tgt Ion: 76 Resp: 577704

Ion Ratio Lower Upper

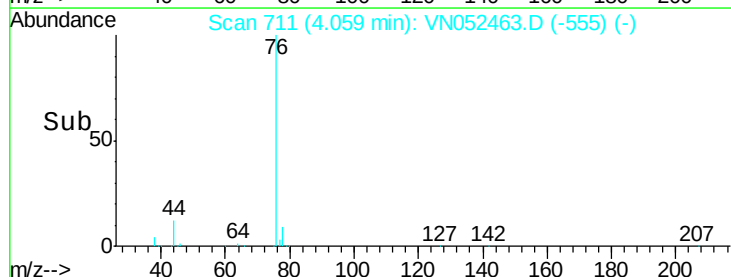
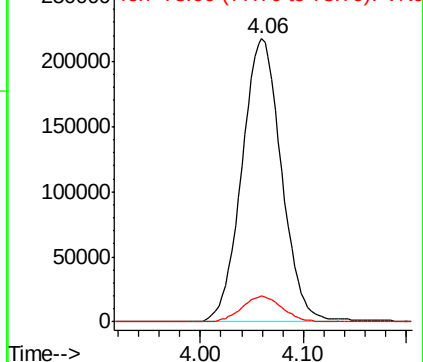
76 100

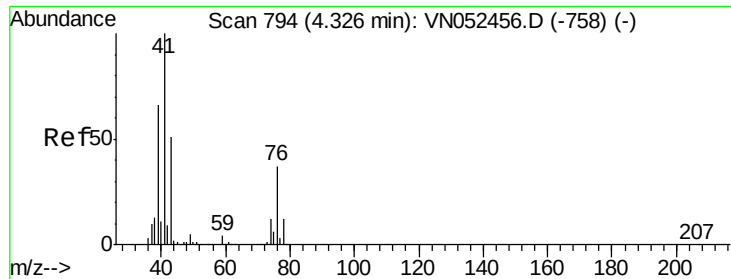
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 18.94 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

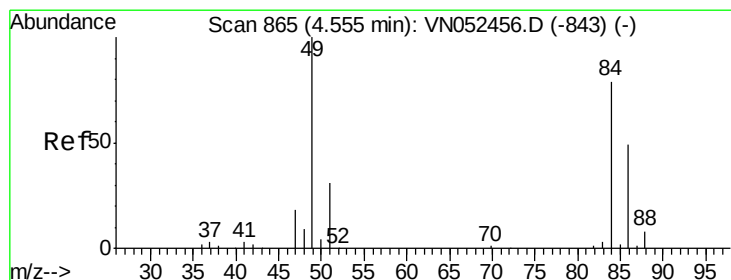
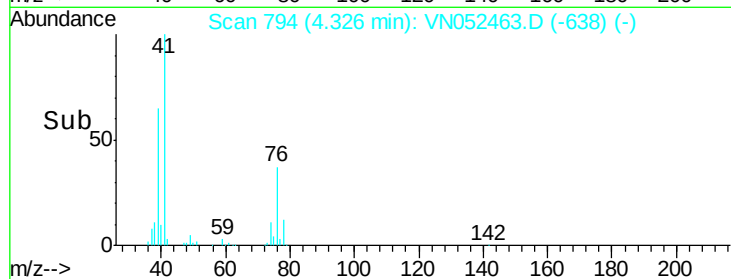
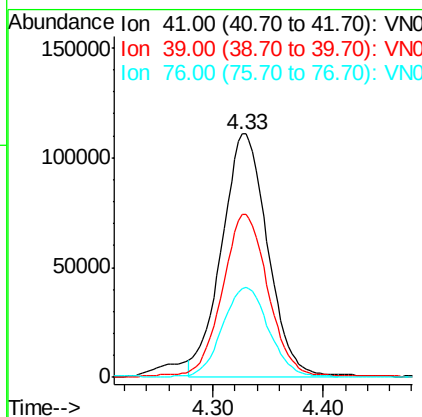
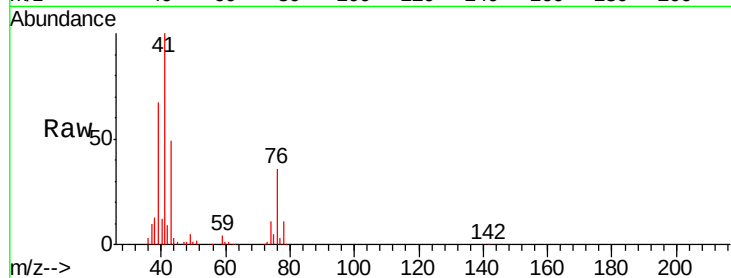
ClientSampled :

VN1126WBS01

Tgt Ion:	41	Resp:	319279
Ion	Ratio	Lower	Upper
41	100		
39	66.7	32.8	98.3
76	36.2	18.6	55.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#18

Methylene Chloride

Concen: 19.81 ug/l

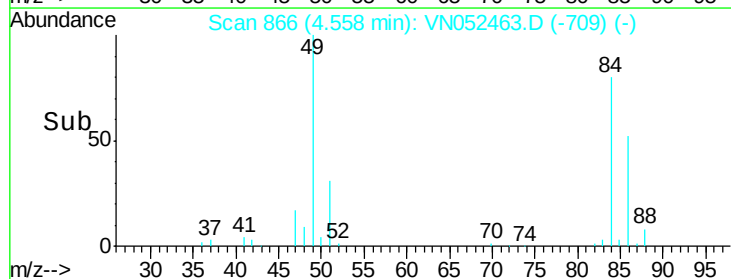
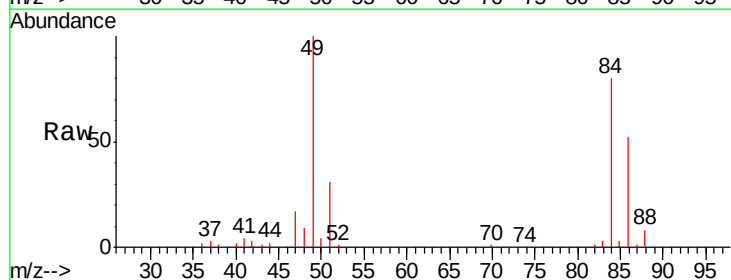
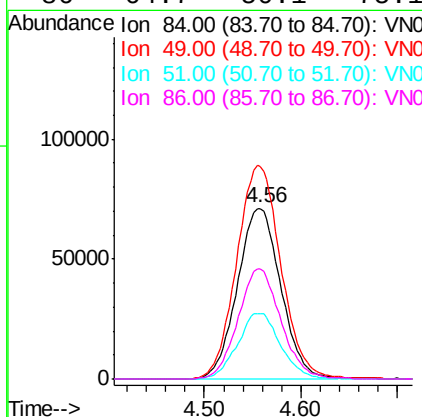
RT: 4.56 min Scan# 866

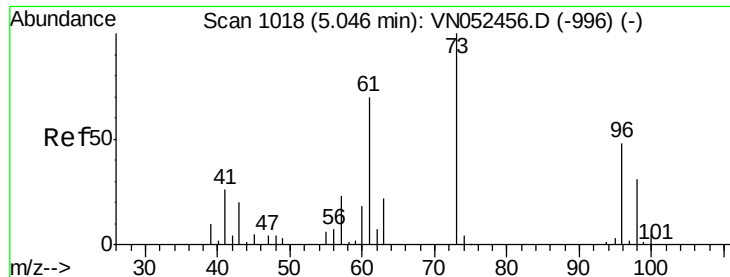
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	84	Resp:	221748
Ion	Ratio	Lower	Upper
84	100		
49	124.7	101.4	152.0
51	38.2	31.7	47.5
86	64.7	50.1	75.1





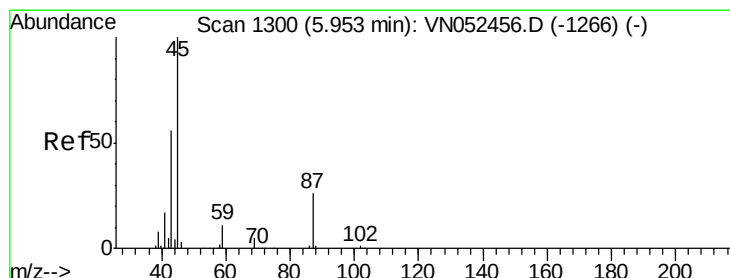
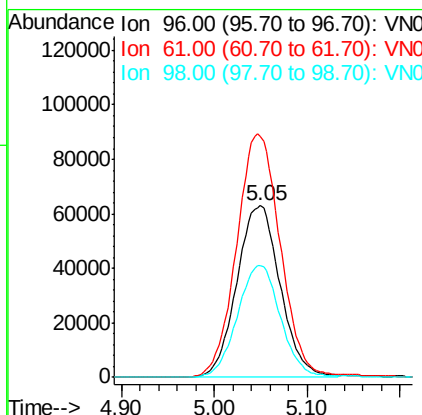
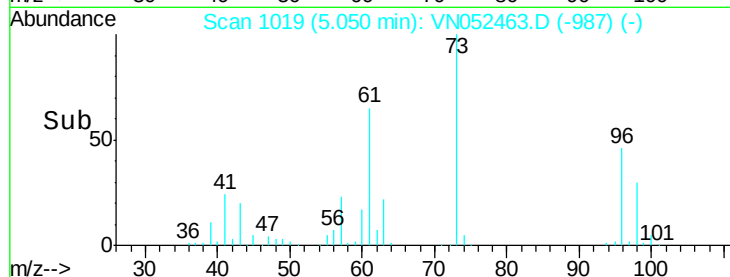
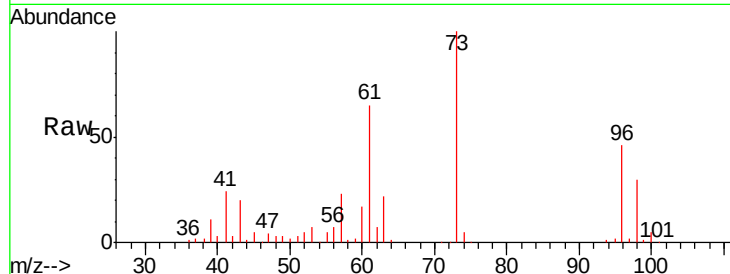
#19
trans-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	118.2	177.4
98	65.3	51.4	77.2

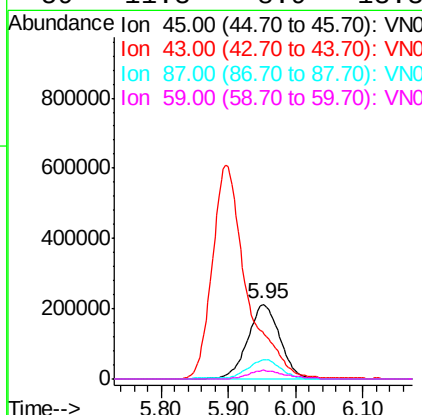
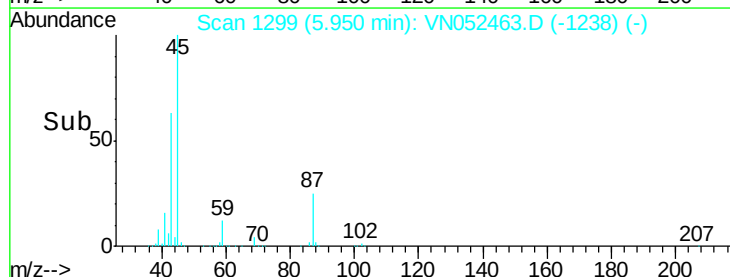
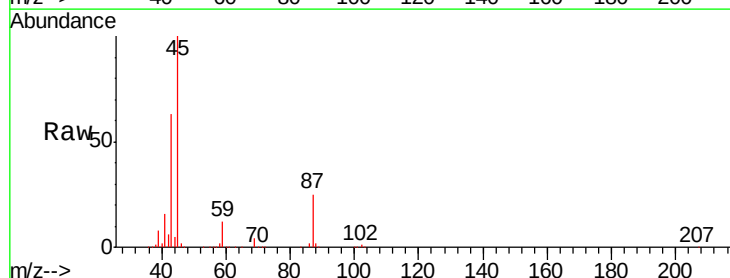
Manual Integrations
APPROVED

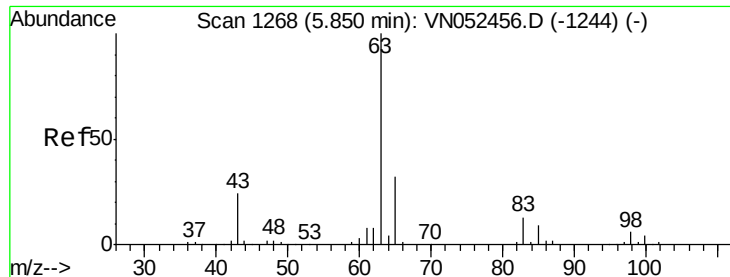
MMDadoda
11/27/2018 3:52:14 PM



#20
Diisopropyl ether
Concen: 20.03 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.8	71.8
87	25.3	21.3	31.9
59	11.3	8.9	13.3





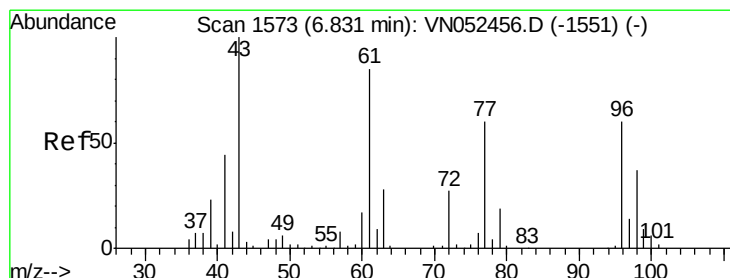
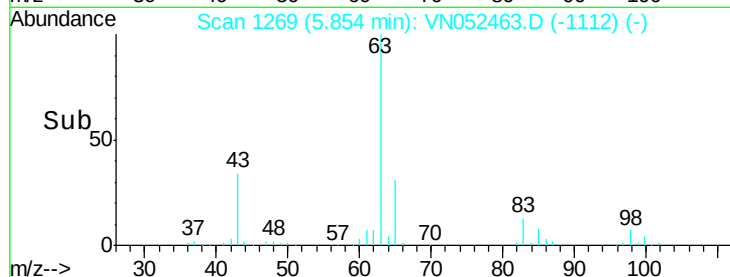
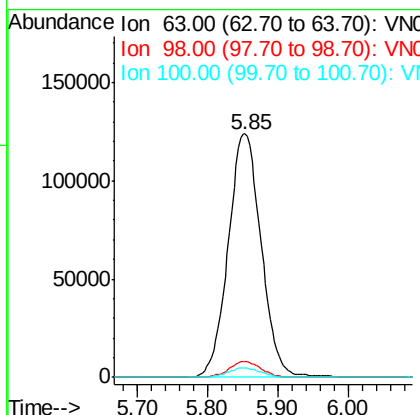
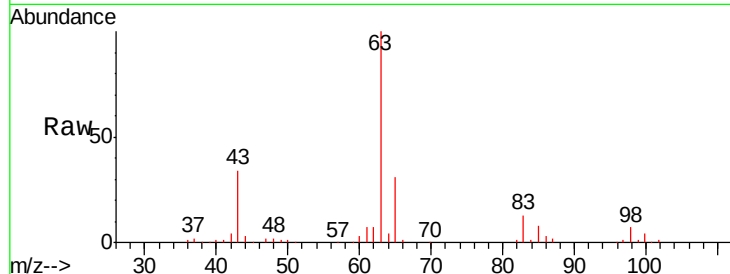
#21
 1,1-Dichloroethane
 Concen: 20.01 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.5	3.0	9.2
100	3.9	1.8	5.5

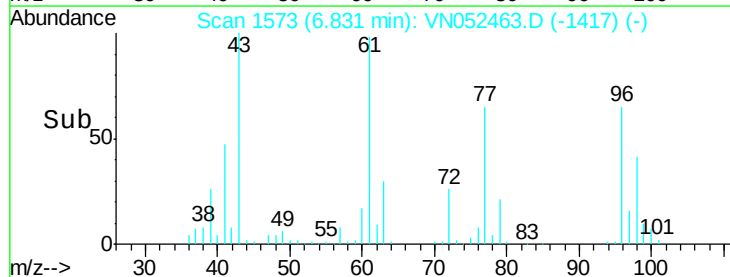
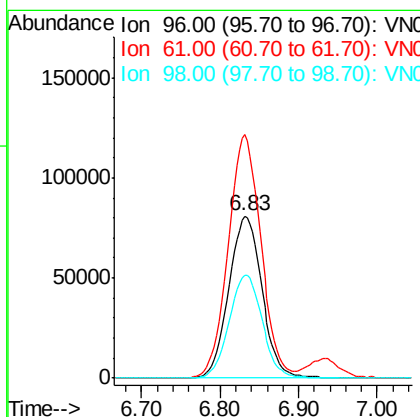
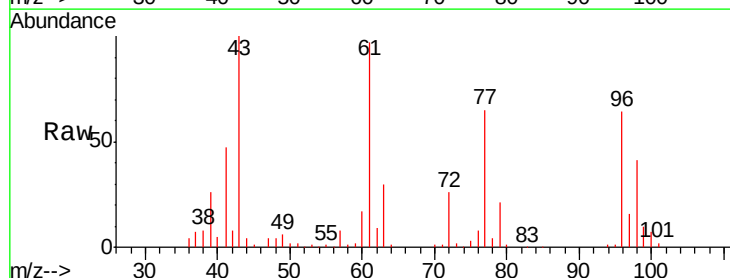
Manual Integrations
 APPROVED

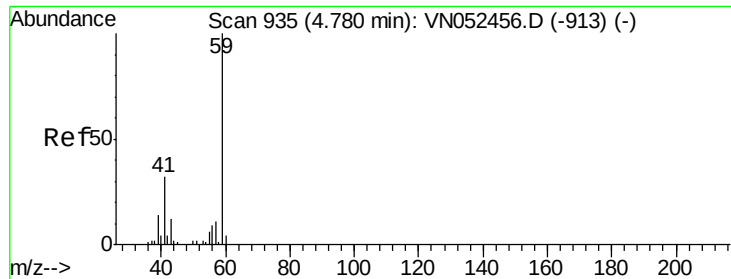
MMDadoda
 11/27/2018 3:52:14 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.96 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	147.5	116.7	175.1
98	63.1	50.8	76.2





#23

tert-Butyl Alcohol

Concen: 93.91 ug/l m

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 59 Resp: 48889

Ion Ratio Lower Upper

59 100

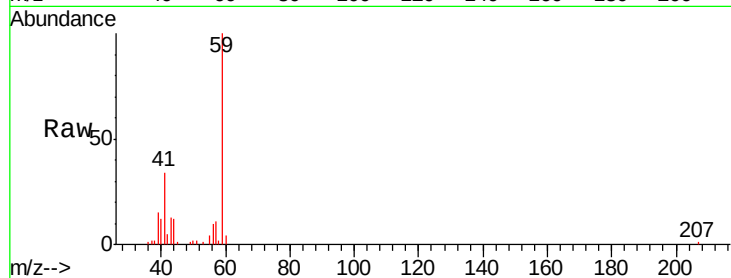
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



Abundance Ion 59.00 (58.70 to 59.70): VN052456.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-913) (-)

15000

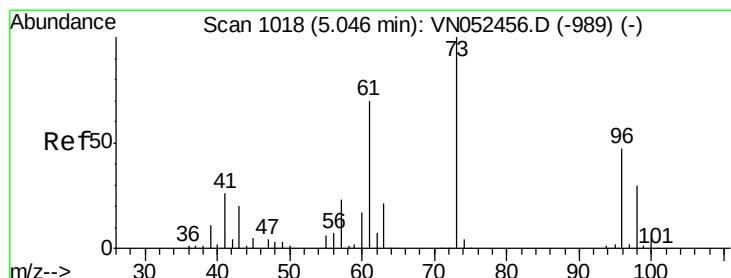
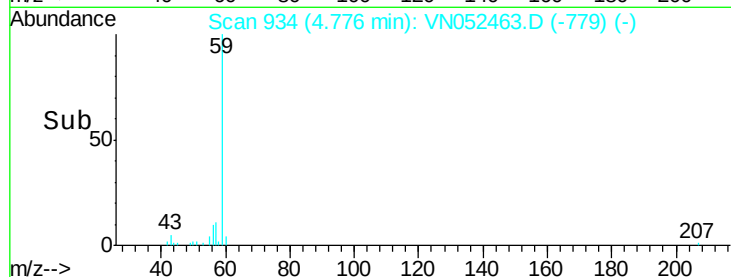
4.78

10000

5000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 20.17 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052463.D

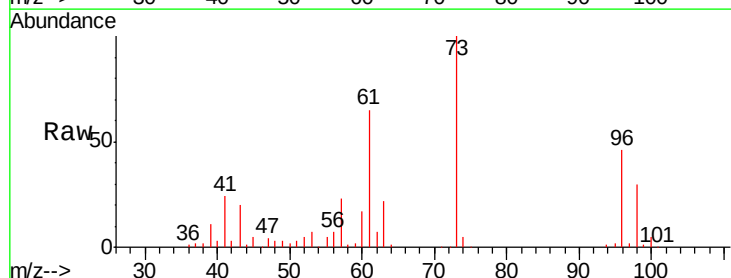
Acq: 26 Nov 2018 17:11

Tgt Ion: 73 Resp: 511465

Ion Ratio Lower Upper

73 100

43 19.0 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN052456.D (-989) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-989) (-)

150000

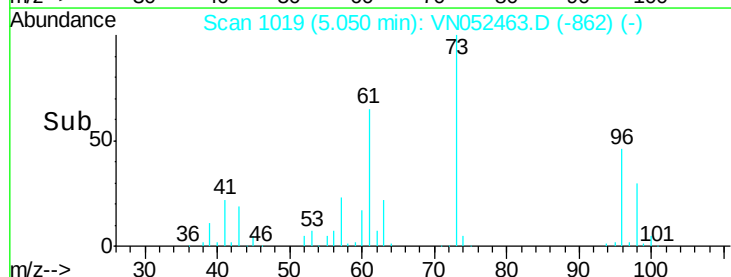
5.05

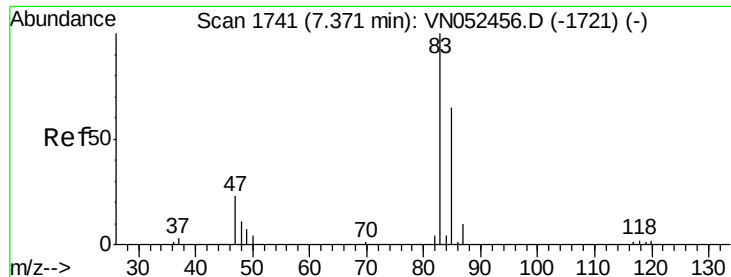
100000

50000

0

Time-->





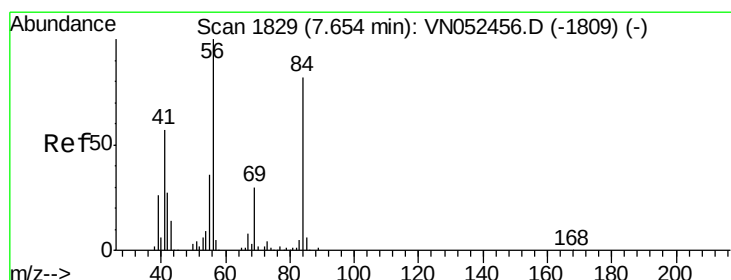
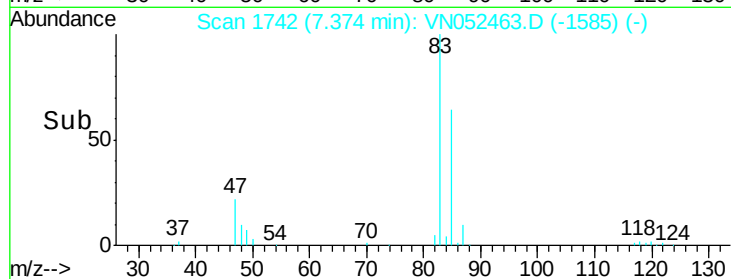
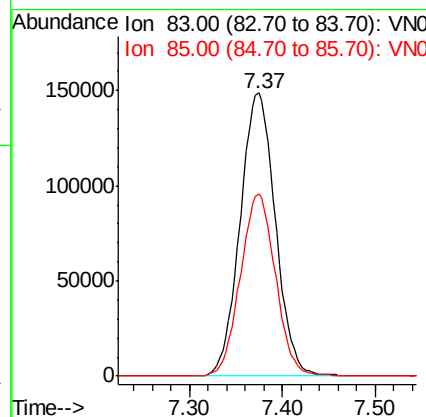
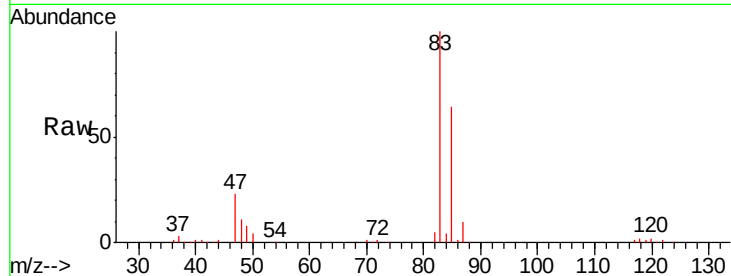
#25
Chloroform
Concen: 20.15 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion: 83 Resp: 392468
Ion Ratio Lower Upper
83 100
85 64.3 51.7 77.5

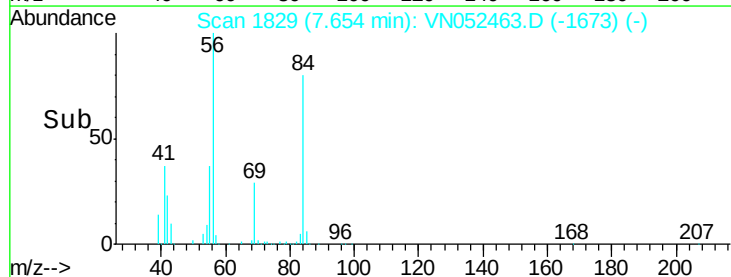
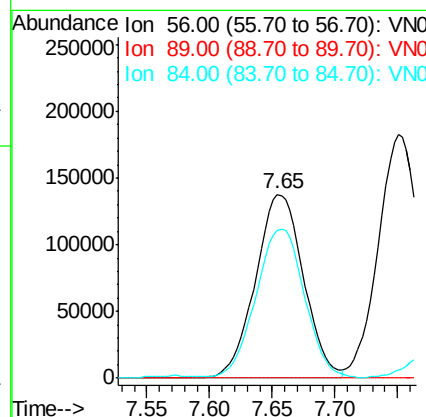
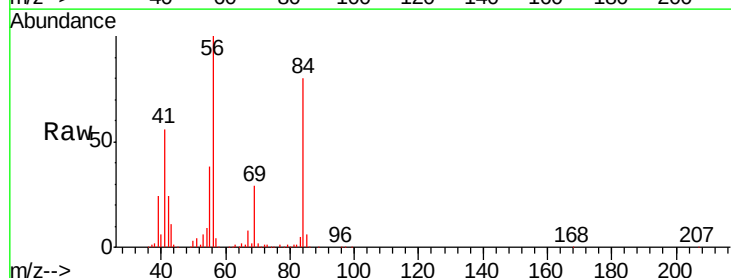
Manual Integrations
APPROVED

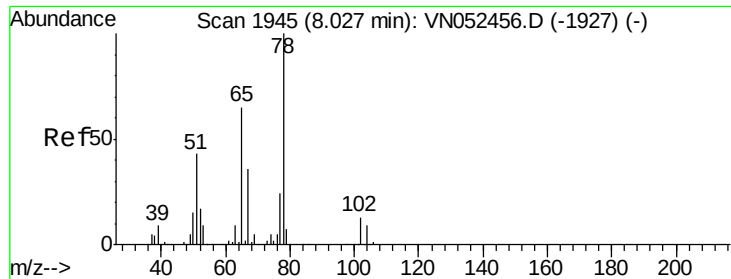
MMDadoda
11/27/2018 3:52:14 PM



#26
Cyclohexane
Concen: 19.26 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion: 56 Resp: 366763
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 82.7 66.2 99.2





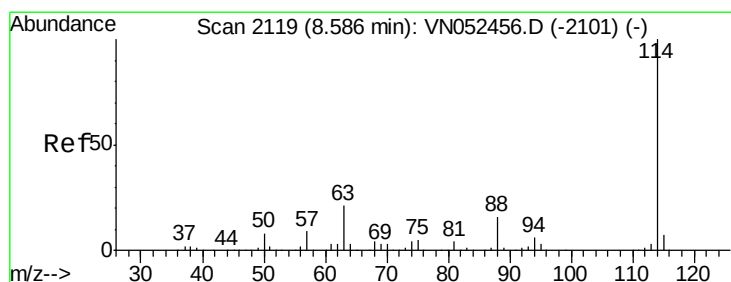
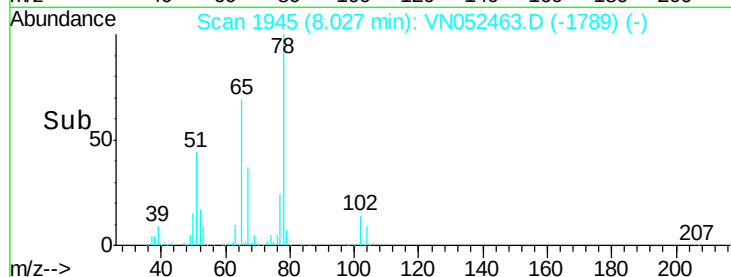
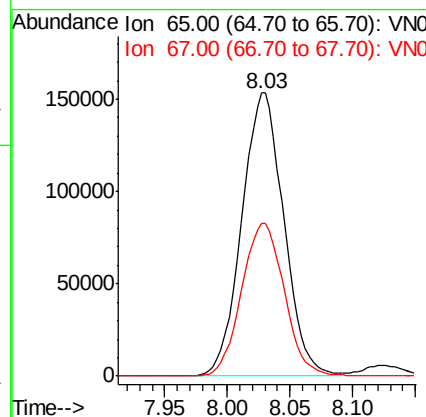
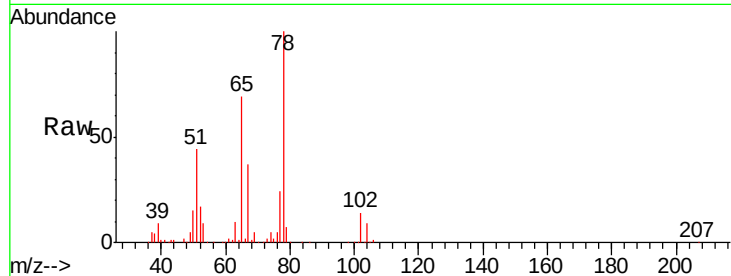
#27
 1,2-Dichloroethane-d4
 Concen: 19.26 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion: 65 Resp: 358010
 Ion Ratio Lower Upper
 65 100
 67 54.8 44.6 66.8

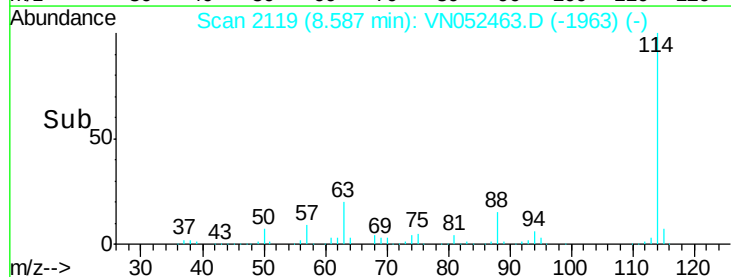
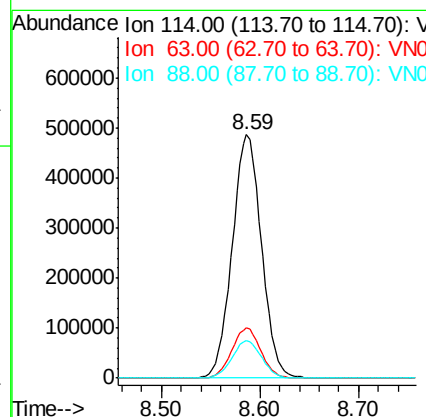
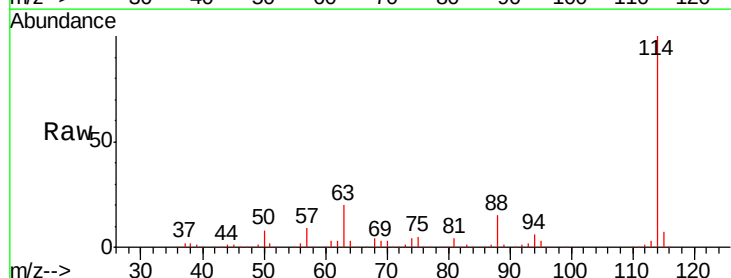
Manual Integrations
 APPROVED

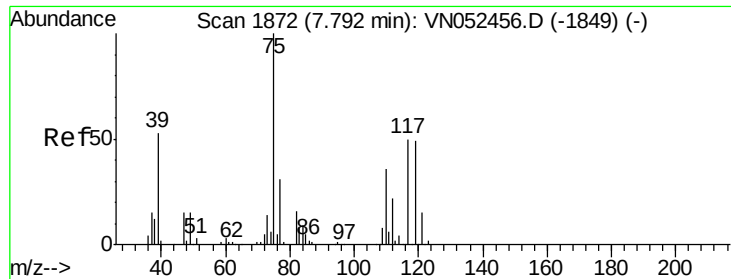
MMDadoda
 11/27/2018 3:52:14 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion: 114 Resp: 1008154
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.9 25.3
 88 15.6 12.8 19.2





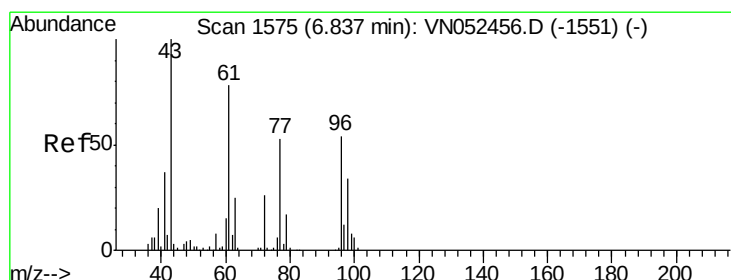
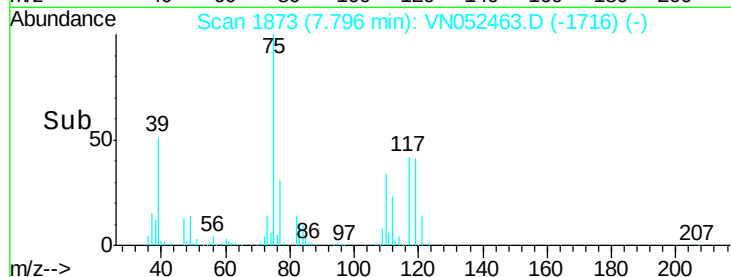
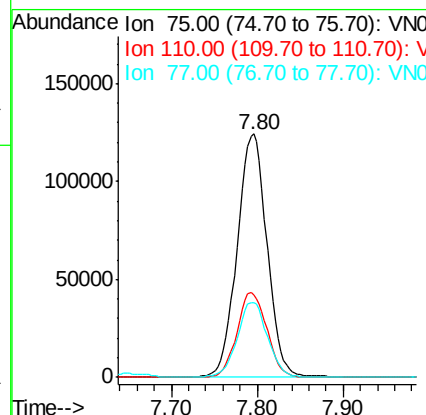
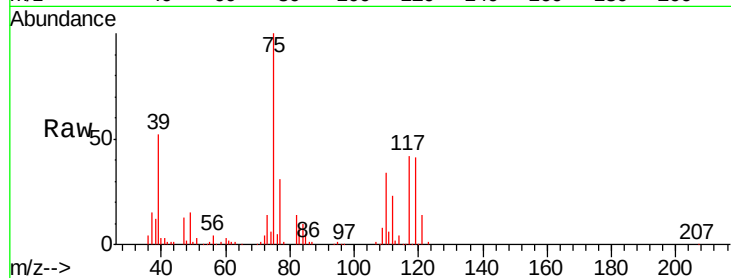
#29
 1,1-Dichloropropene
 Concen: 19.52 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	34.7	0.0	70.2
77	31.3	0.0	62.6

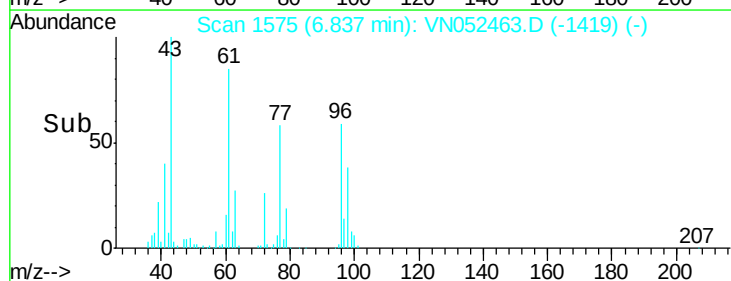
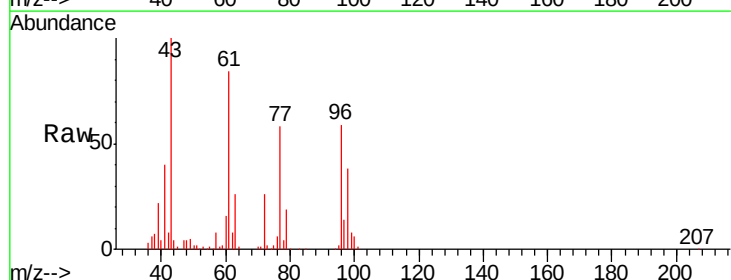
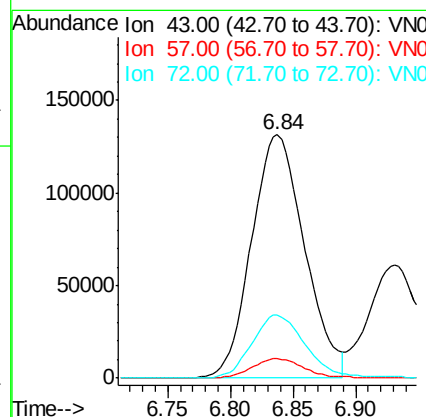
Manual Integrations
 APPROVED

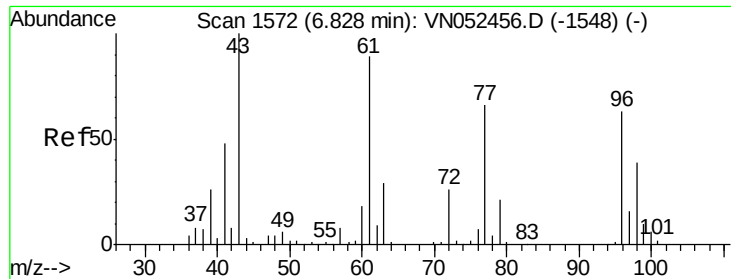
MMDadoda
 11/27/2018 3:52:14 PM



#30
 2-Butanone
 Concen: 93.37 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.0	6.2	9.4
72	26.1	21.0	31.6





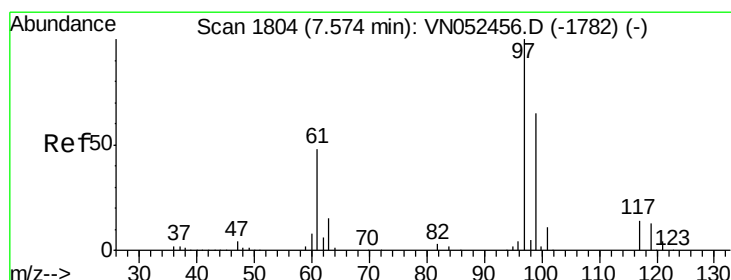
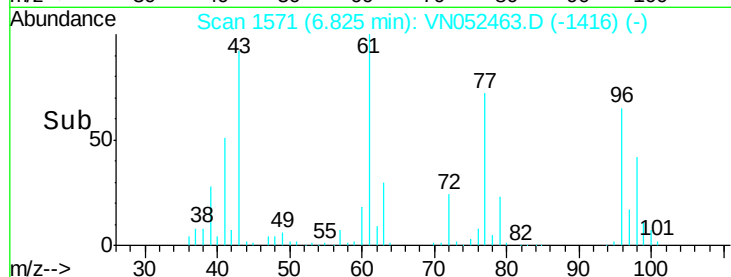
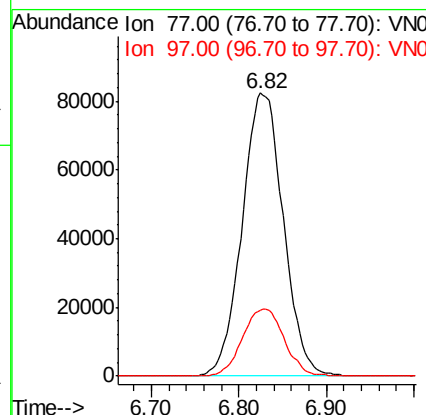
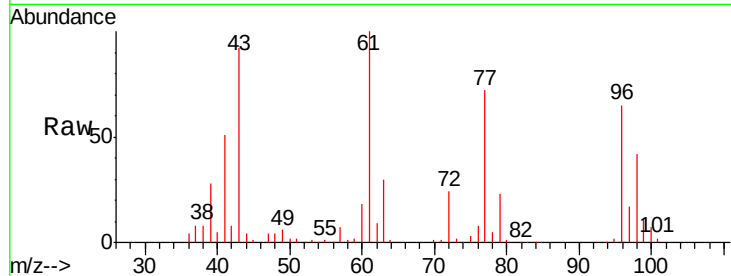
#31
 2,2-Dichloropropane
 Concen: 18.97 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion: 77 Resp: 268878
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.7 28.1

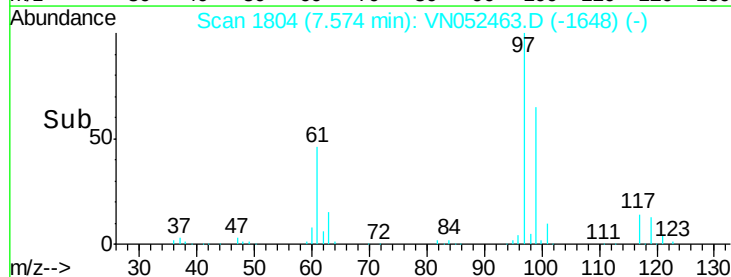
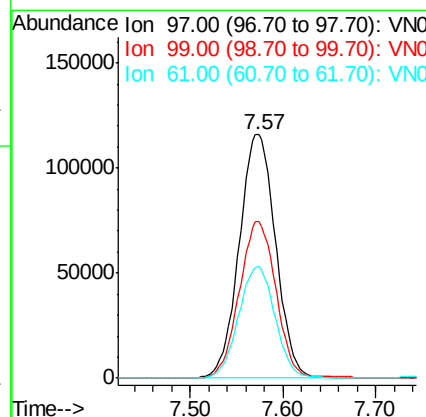
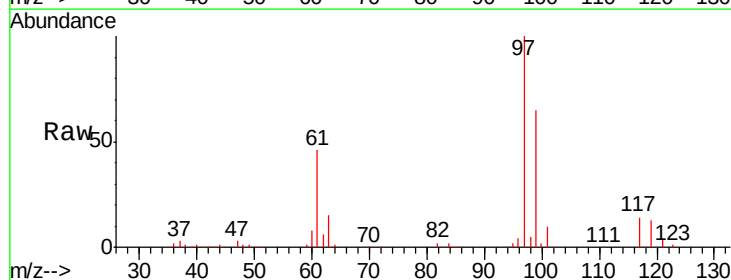
Manual Integrations
 APPROVED

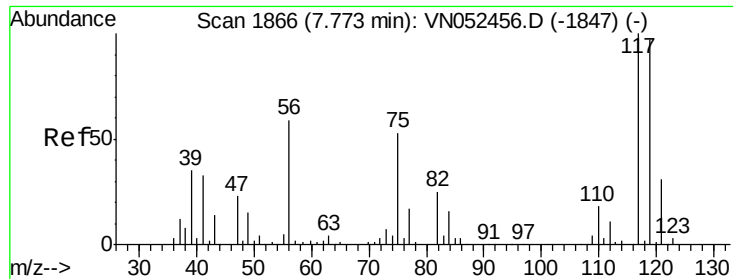
MMDadoda
 11/27/2018 3:52:14 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.71 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion: 97 Resp: 315746
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 45.8 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.49 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

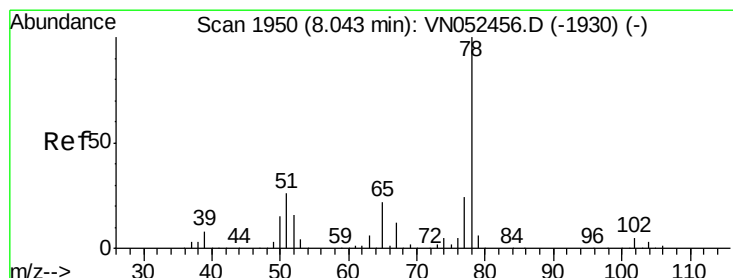
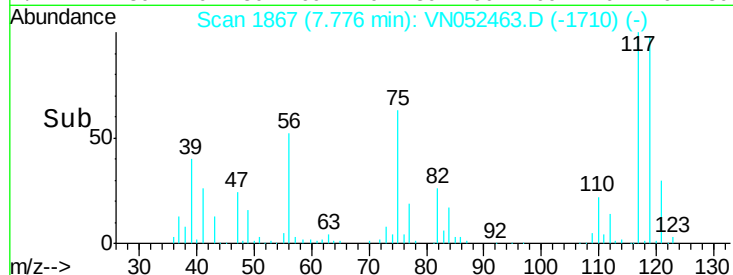
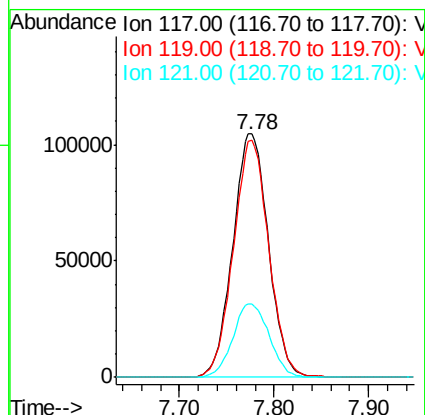
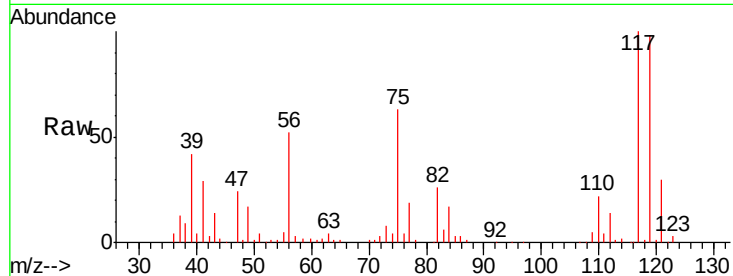
ClientSampleId :

VN1126WBS01

Tgt Ion:	117	Resp:	273244
Ion Ratio	Lower	Upper	
117	100		
119	97.4	77.3	115.9
121	29.9	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#34

Benzene

Concen: 19.65 ug/l

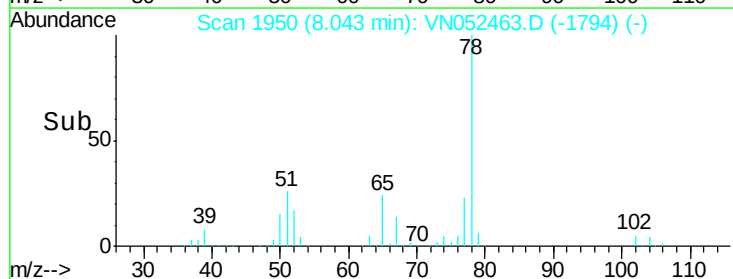
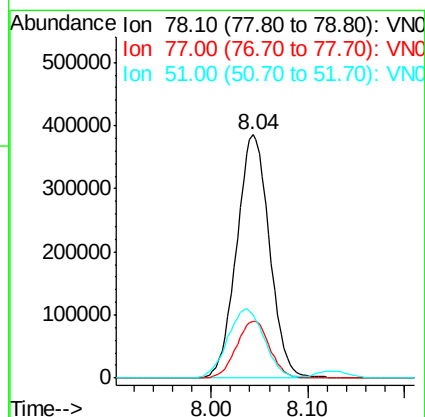
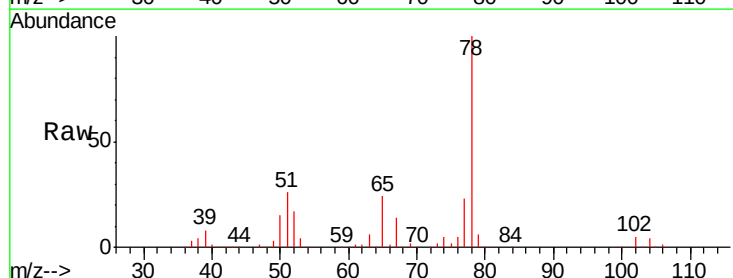
RT: 8.04 min Scan# 1950

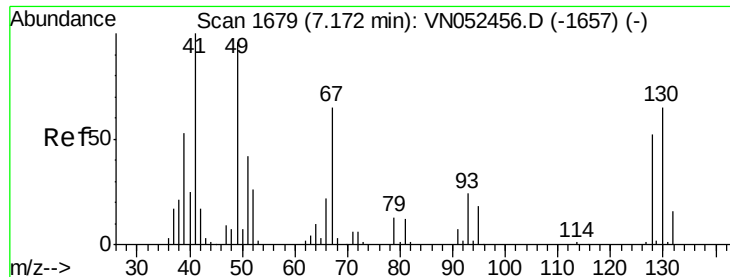
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	78	Resp:	909512
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.0	28.6
51	26.1	20.5	30.7





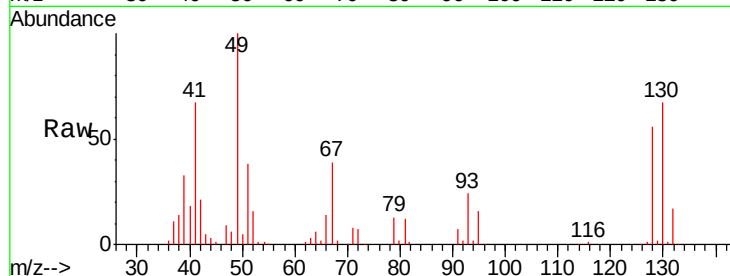
#35
Methacrylonitrile
Concen: 19.06 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

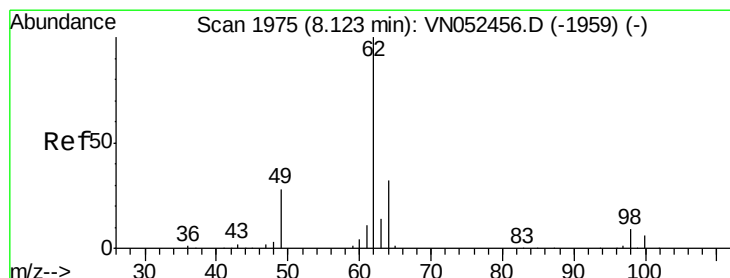
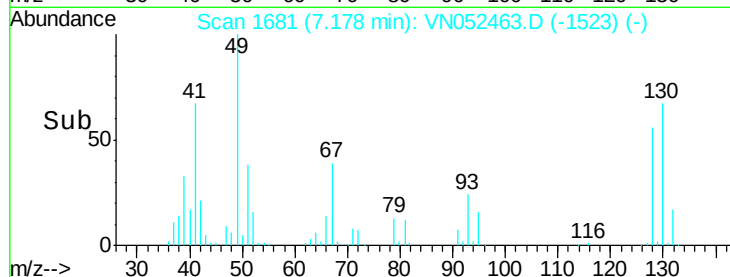
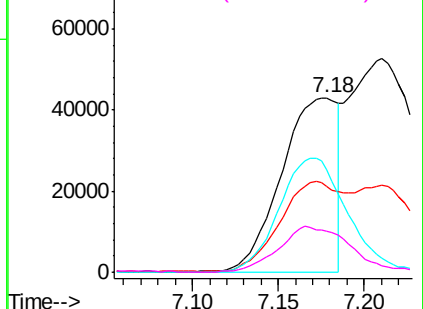
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.7	26.6	79.7	
67	58.9	32.3	96.9	
52	23.8	13.0	38.9	

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM

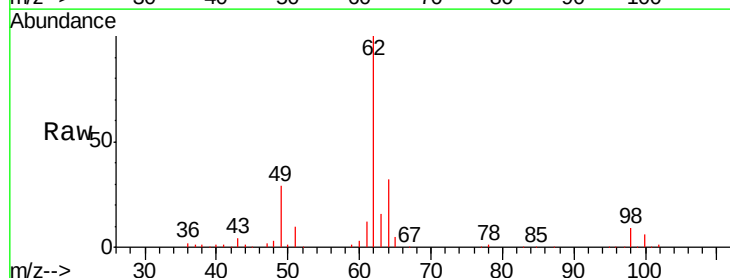


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

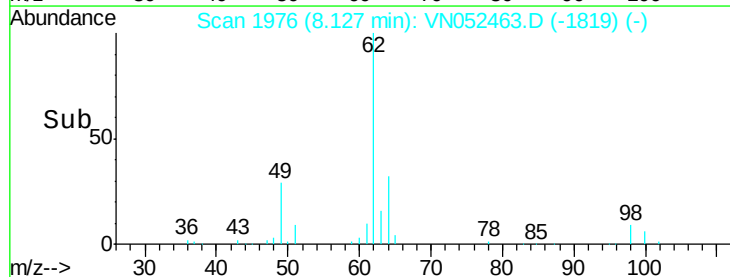
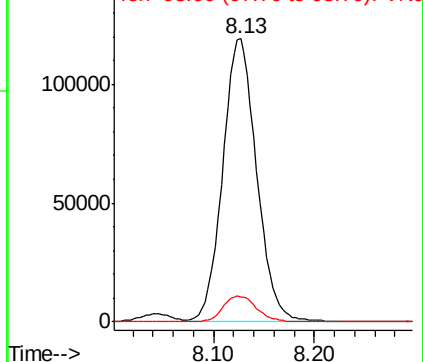


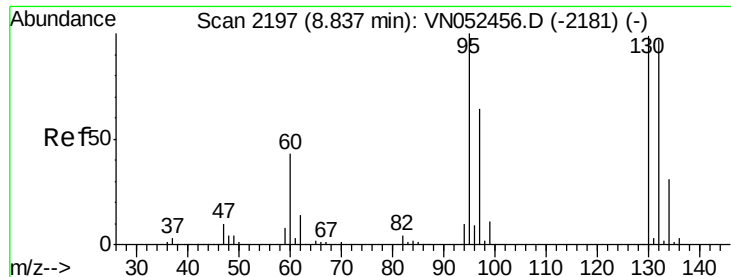
#36
1,2-Dichloroethane
Concen: 19.76 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.75 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion:130 Resp: 231794

Ion Ratio Lower Upper

130 100

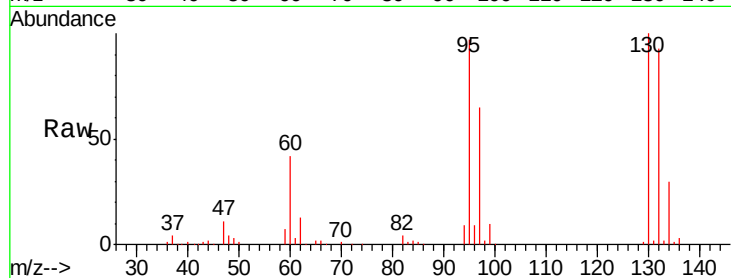
95 96.6 81.0 121.4

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

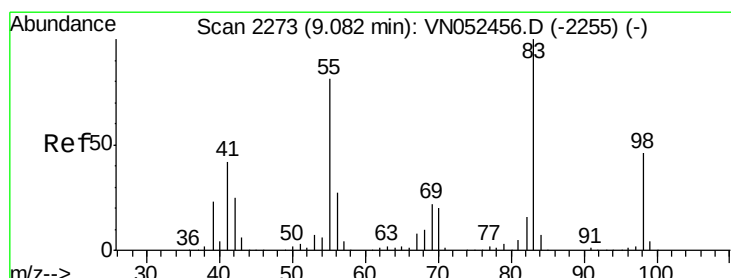
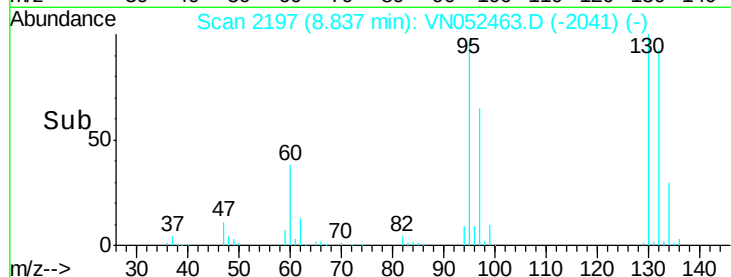
8.84

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.90 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

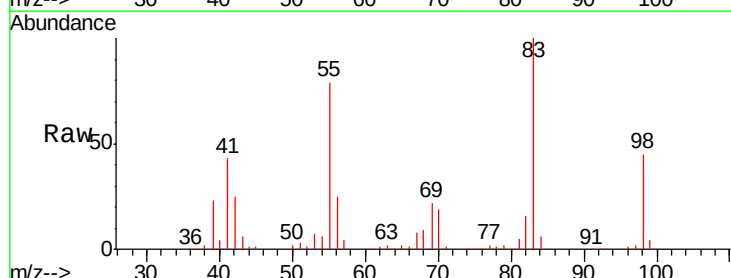
Tgt Ion: 83 Resp: 360209

Ion Ratio Lower Upper

83 100

55 78.6 39.8 119.4

98 45.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

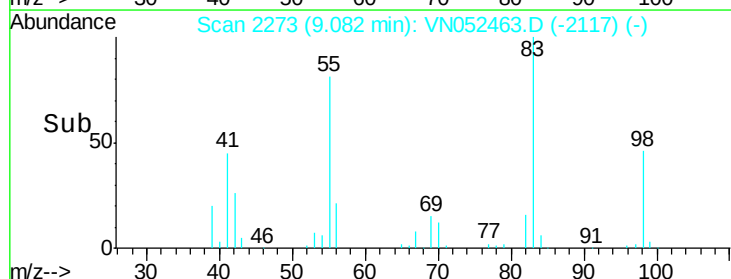
150000

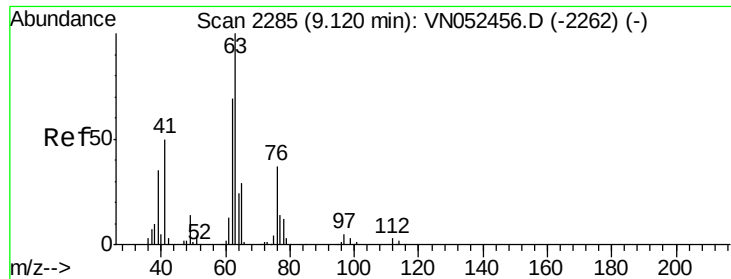
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.56 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 63 Resp: 242754

Ion Ratio Lower Upper

63 100

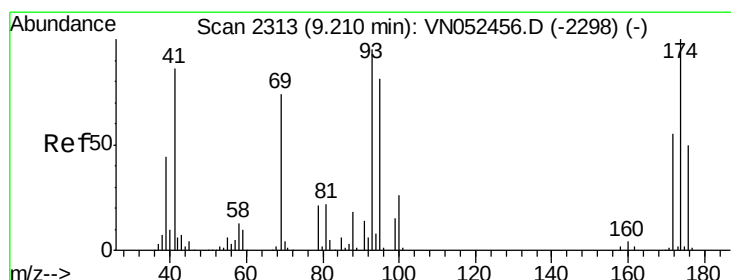
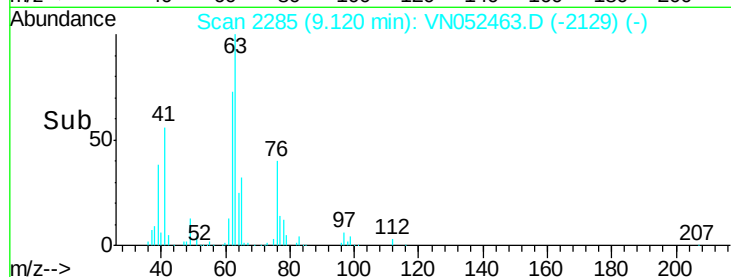
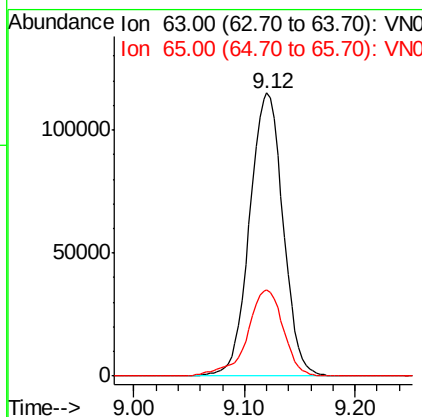
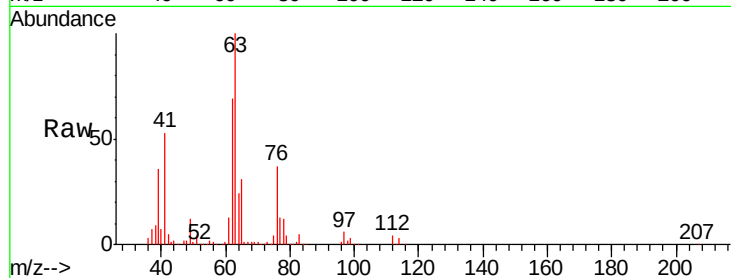
65 30.5 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#40

Dibromomethane

Concen: 19.93 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

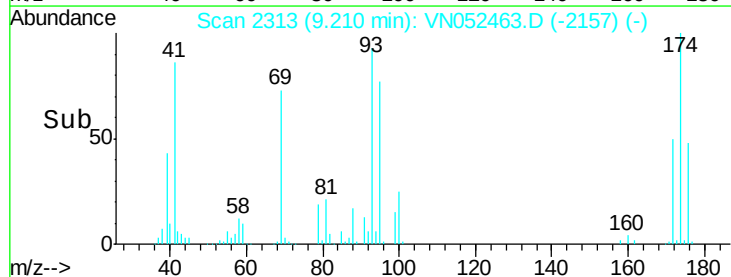
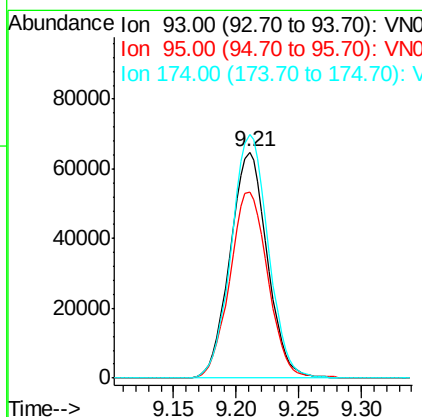
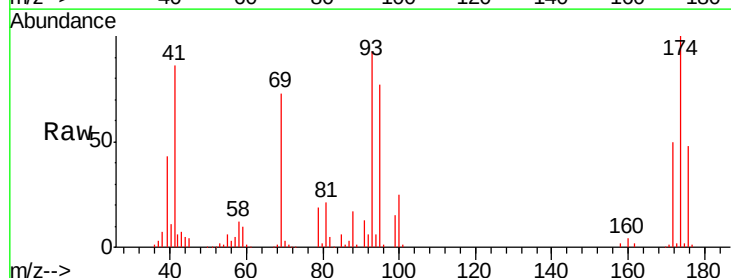
Tgt Ion: 93 Resp: 133629

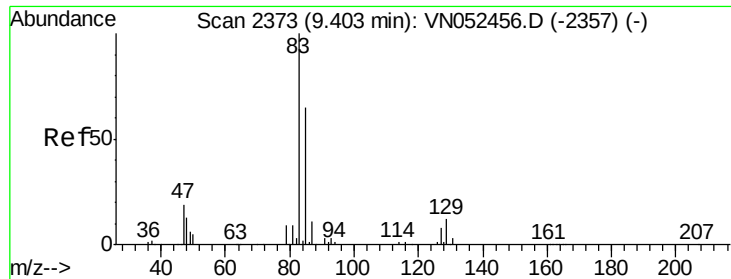
Ion Ratio Lower Upper

93 100

95 84.2 0.0 168.4

174 107.2 0.0 210.0





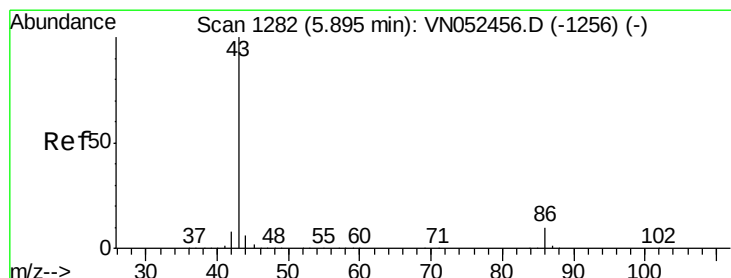
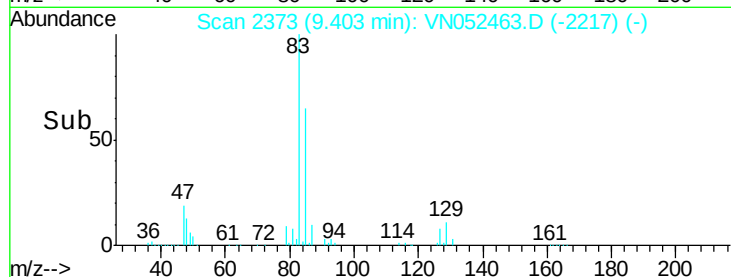
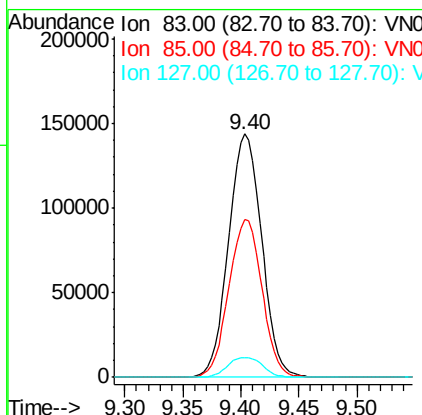
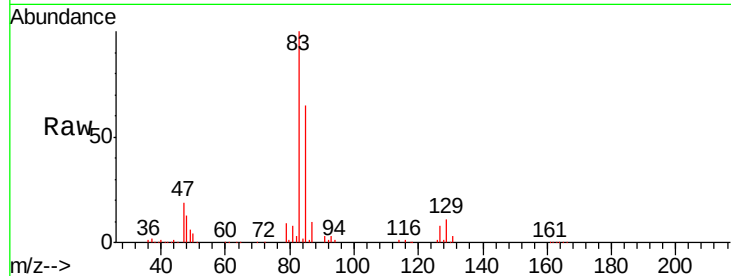
#41
Bromodichloromethane
Concen: 19.27 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	8.2	6.6	9.8

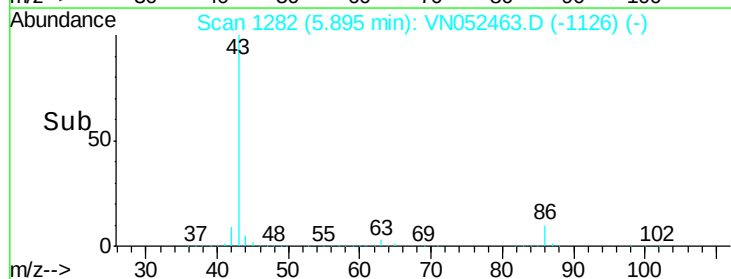
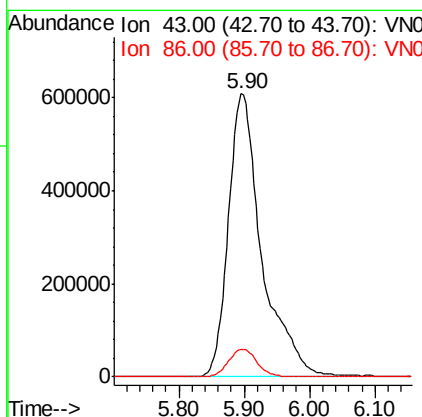
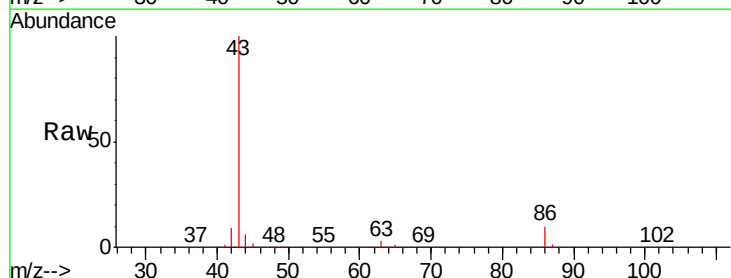
Manual Integrations
APPROVED

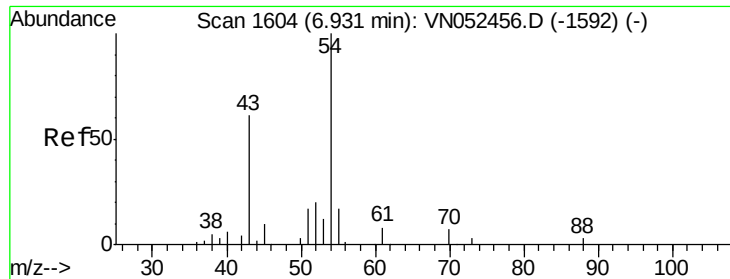
MMDadoda
11/27/2018 3:52:14 PM



#42
Vinyl Acetate
Concen: 97.05 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7





#43

Ethyl Acetate

Concen: 19.85 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 43 Resp: 173854

Ion Ratio Lower Upper

43 100

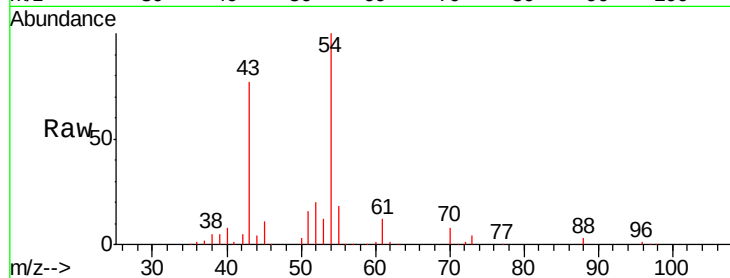
45 13.2 1.0 1.6#

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

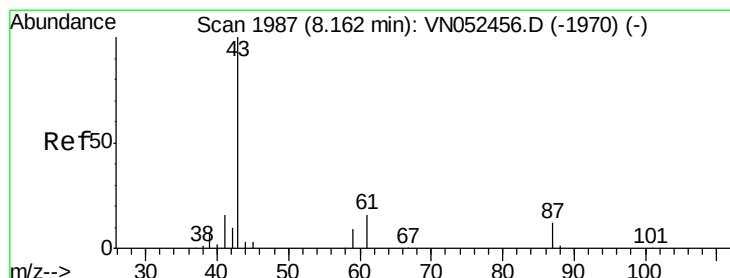
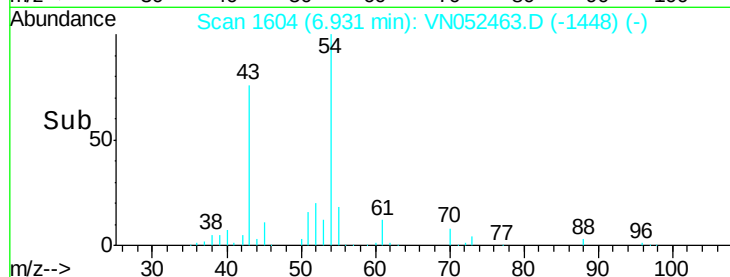
100000

50000

0

6.93

Time-->



#44

Isopropyl Acetate

Concen: 19.76 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052463.D

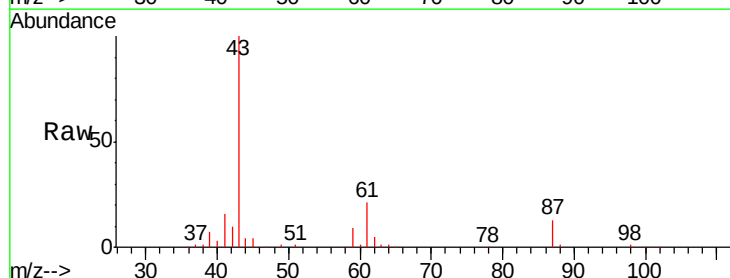
Acq: 26 Nov 2018 17:11

Tgt Ion: 43 Resp: 303551

Ion Ratio Lower Upper

43 100

61 19.1 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

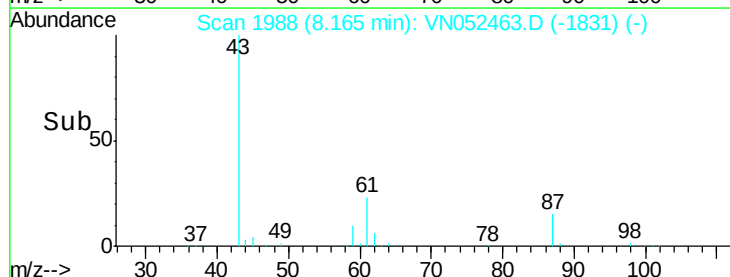
100000

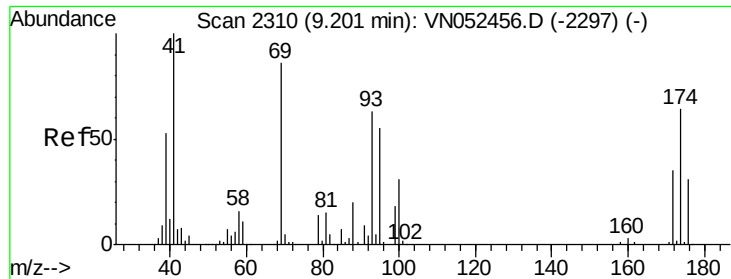
50000

0

8.17

Time-->





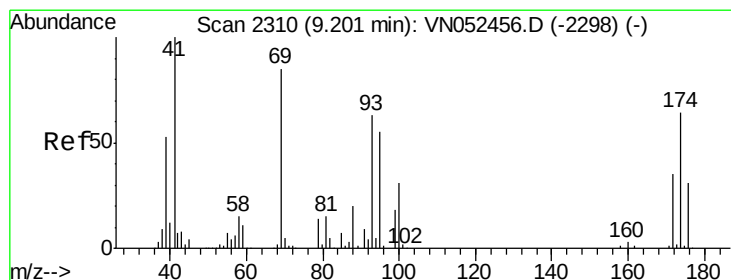
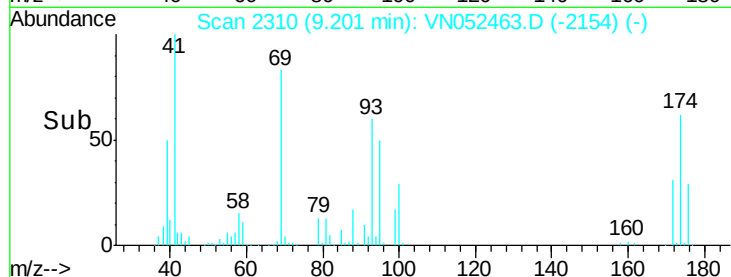
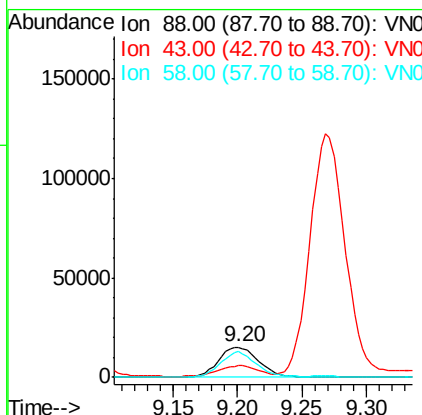
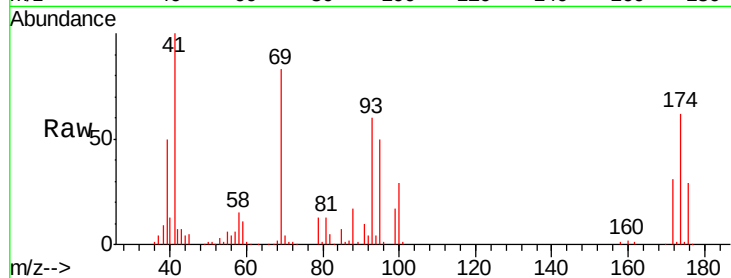
#45
 1,4-Dioxane
 Concen: 391.83 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.5	44.3
58	75.5	61.5	92.3

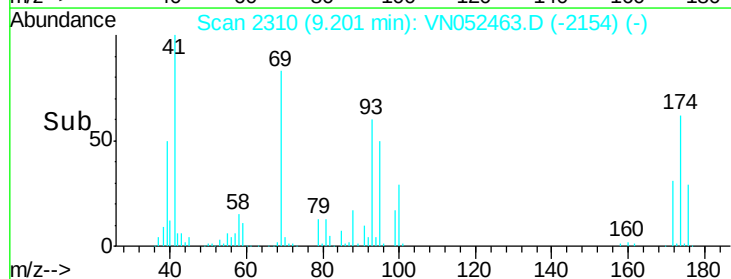
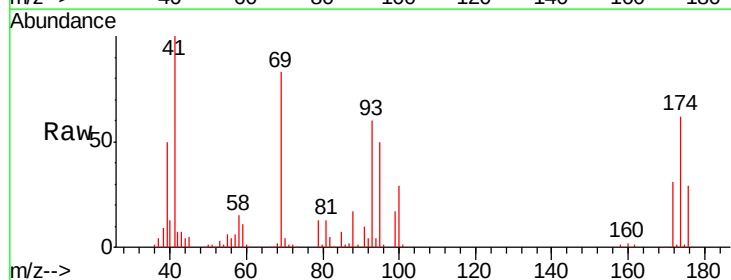
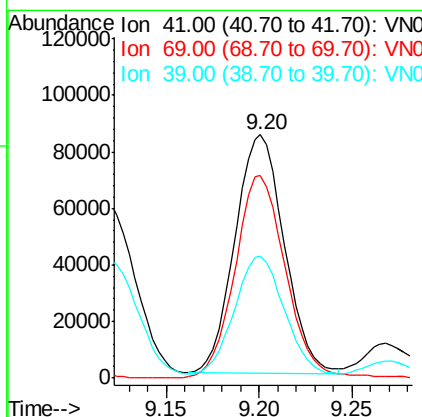
Manual Integrations
 APPROVED

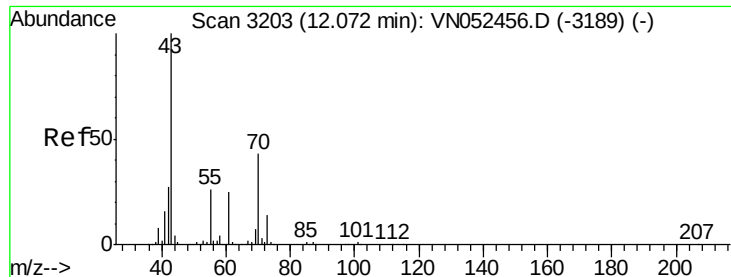
MMDadoda
 11/27/2018 3:52:14 PM



#46
 Methyl methacrylate
 Concen: 19.58 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	42.5	127.6
39	49.8	26.3	78.9





#47

n-amyI Acetate

Concen: 18.60 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 43 Resp: 236963

Ion Ratio Lower Upper

43 100

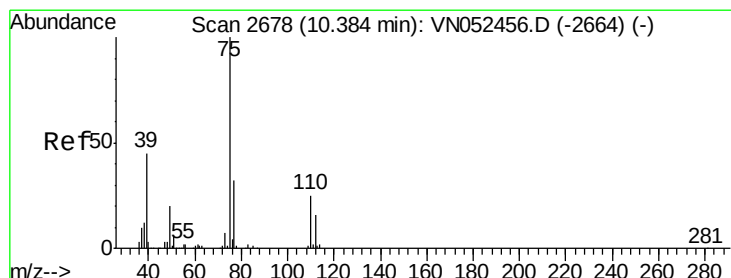
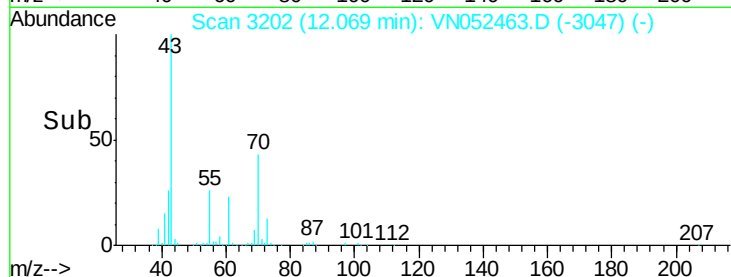
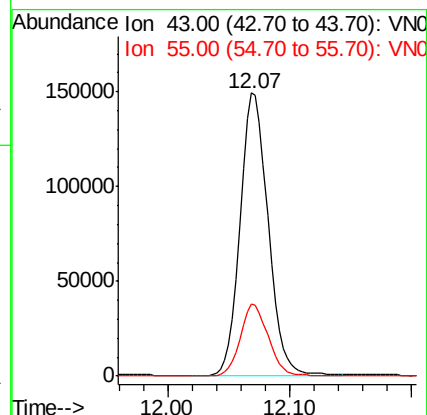
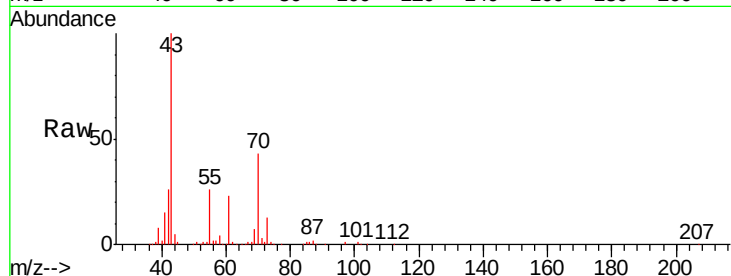
55 25.6 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#48

t-1,3-Dichloropropene

Concen: 18.96 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052463.D

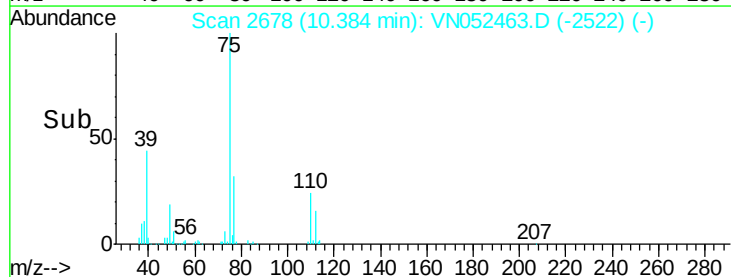
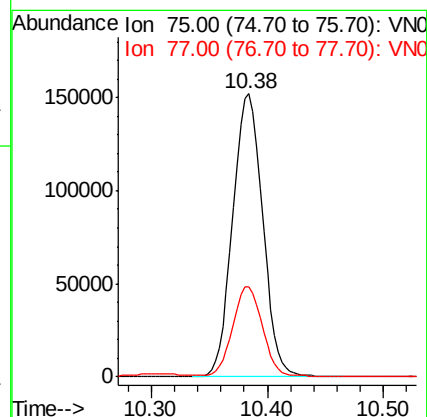
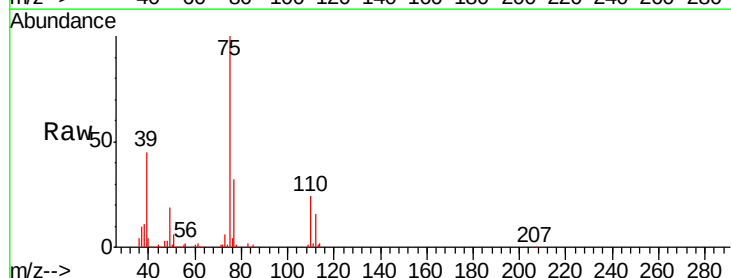
Acq: 26 Nov 2018 17:11

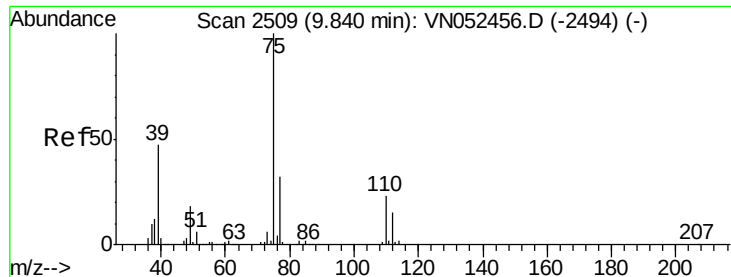
Tgt Ion: 75 Resp: 272386

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





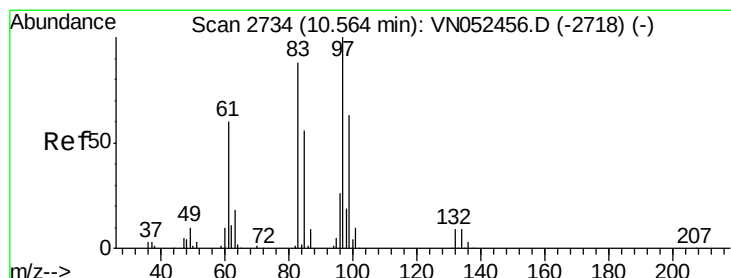
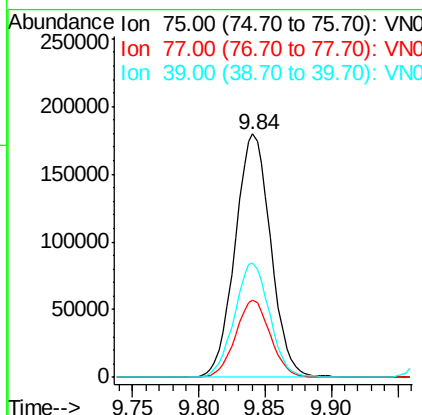
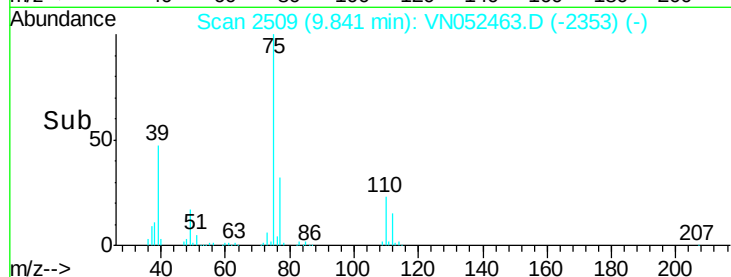
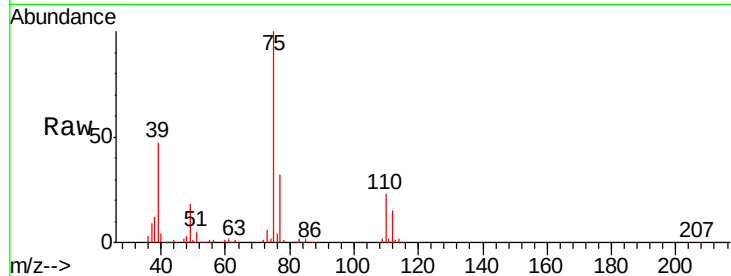
#49
 cis-1,3-Dichloropropene
 Concen: 19.15 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	46.7	37.3	55.9

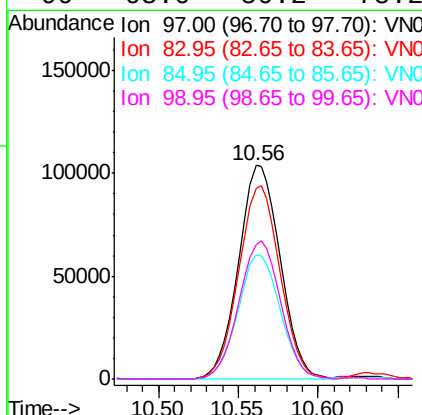
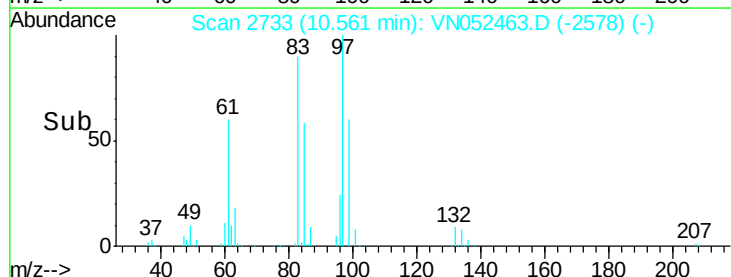
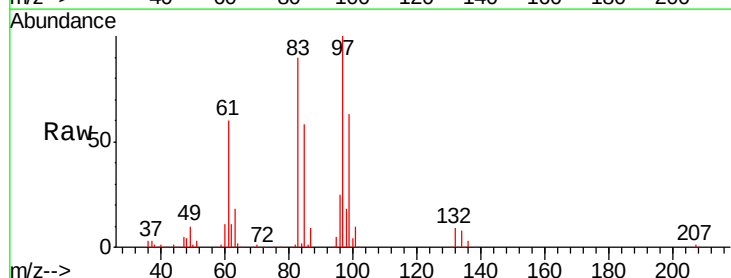
Manual Integrations
 APPROVED

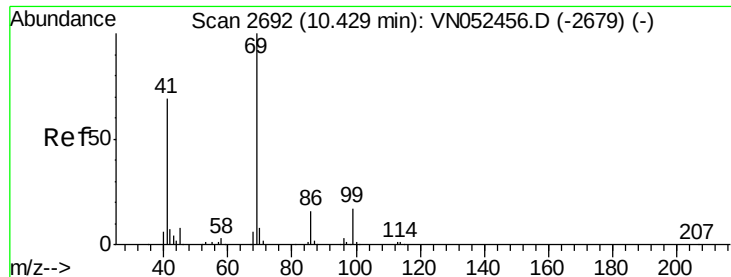
MMDadoda
 11/27/2018 3:52:14 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.44 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.4	105.6
85	58.0	45.0	67.6
99	63.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.08 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

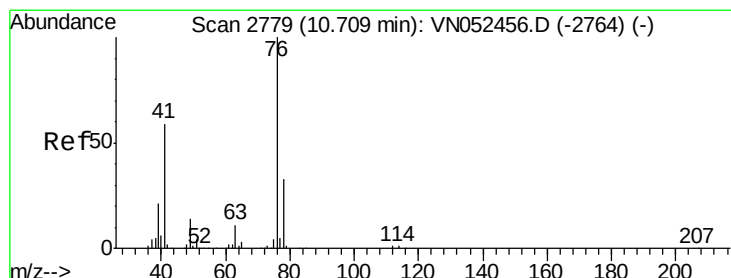
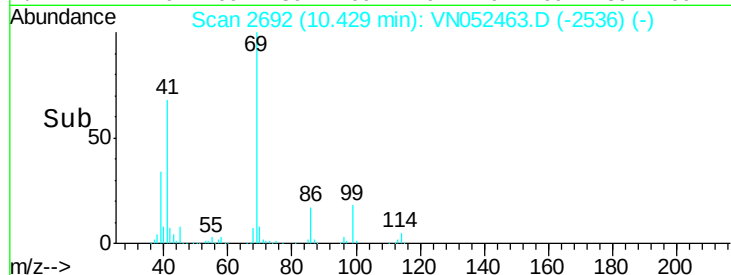
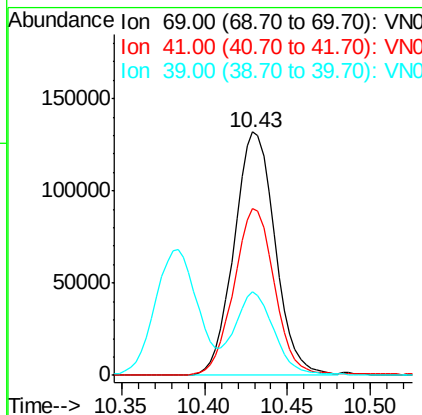
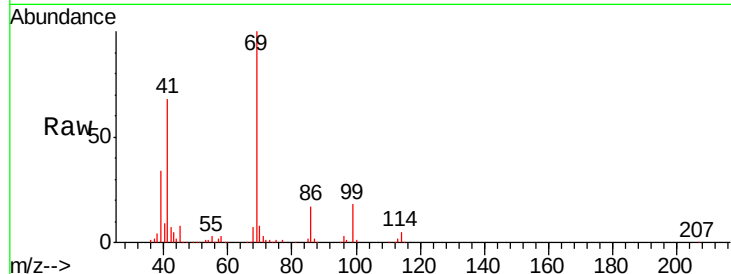
ClientSampleId :

VN1126WBS01

Tgt Ion:	69	Resp:	227761
Ion	Ratio	Lower	Upper
69	100		
41	67.9	34.4	103.3
39	33.6	16.4	49.2

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#52

1,3-Dichloropropane

Concen: 19.68 ug/l

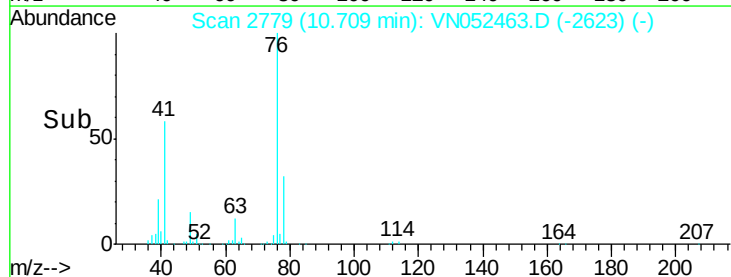
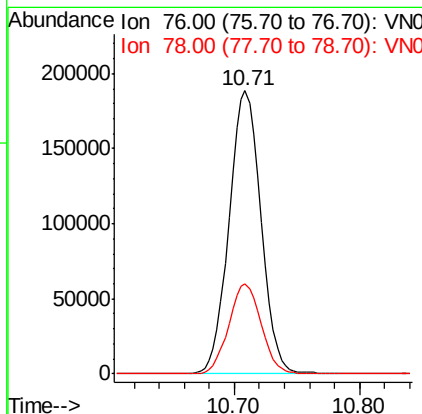
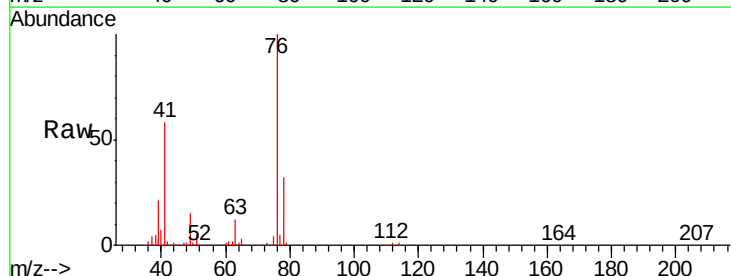
RT: 10.71 min Scan# 2779

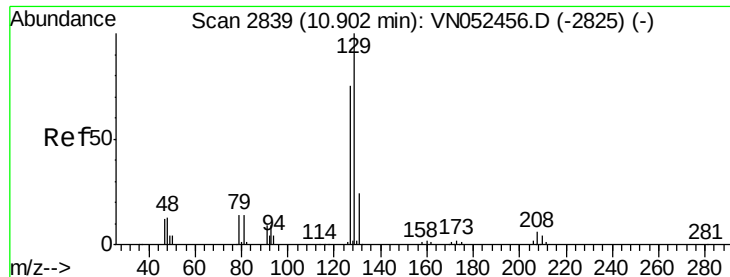
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	76	Resp:	332897
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.8





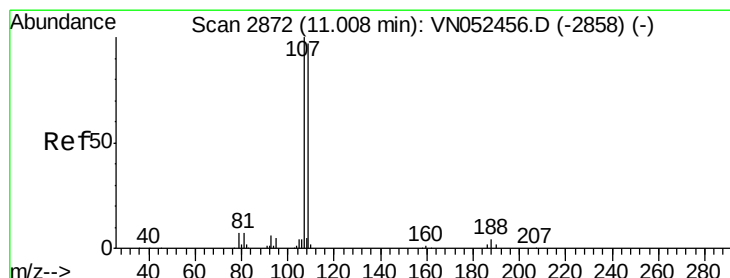
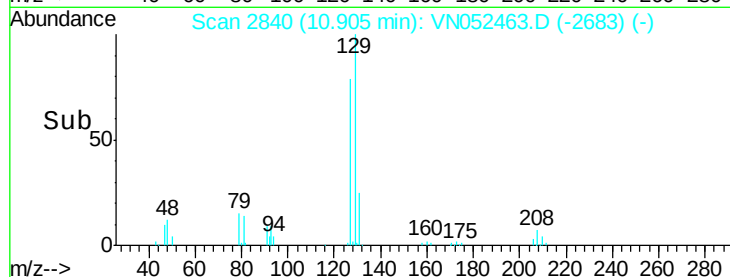
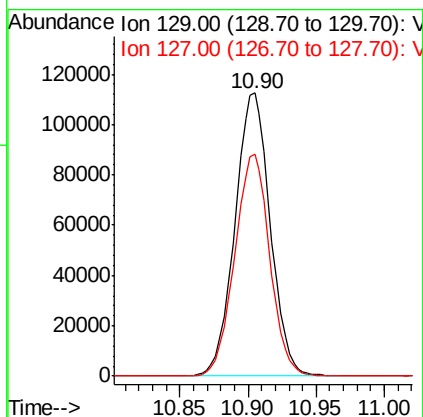
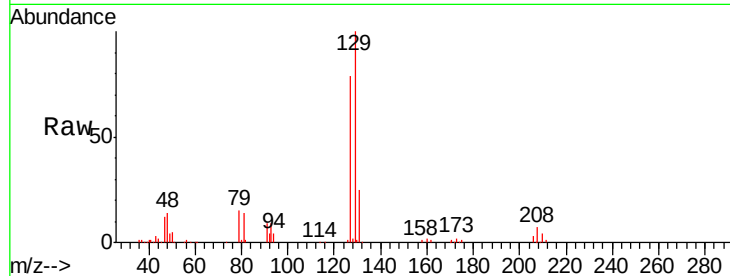
#53
 Dibromochloromethane
 Concen: 19.28 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion:129 Resp: 201786
 Ion Ratio Lower Upper
 129 100
 127 77.9 37.6 112.8

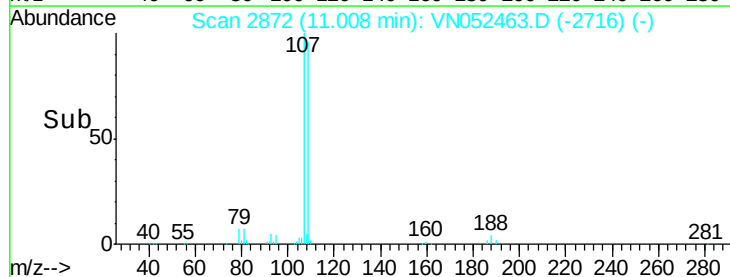
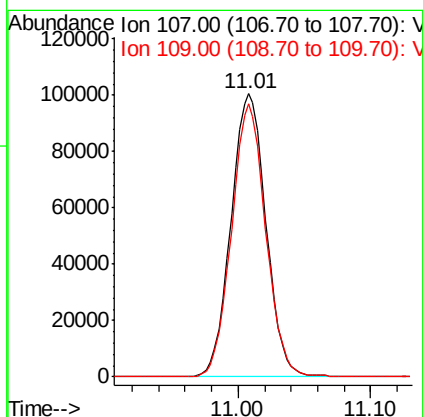
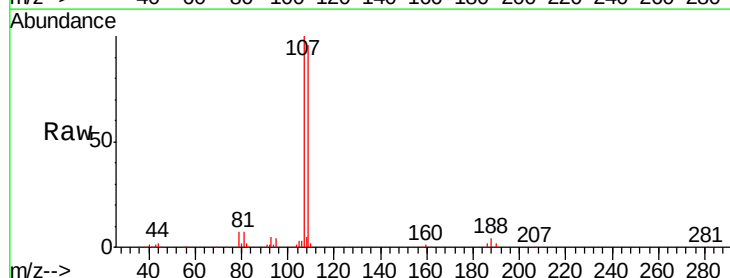
Manual Integrations
 APPROVED

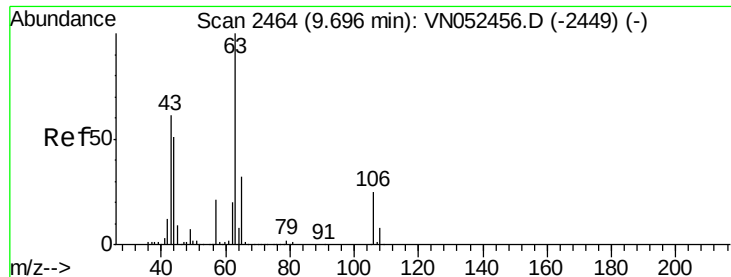
MMDadoda
 11/27/2018 3:52:14 PM



#54
 1,2-Dibromoethane
 Concen: 19.76 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion:107 Resp: 183501
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 95.05 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

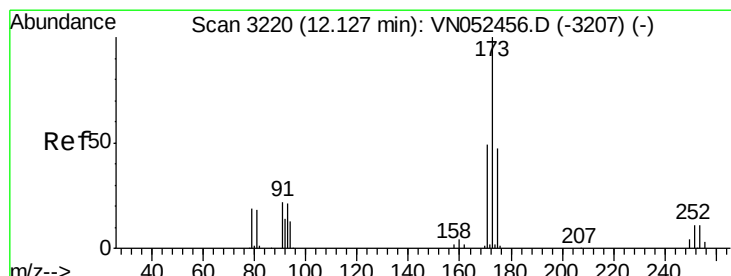
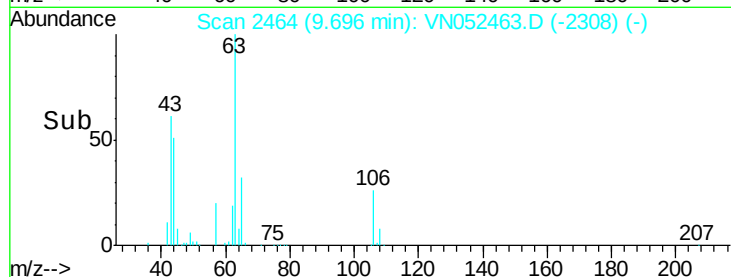
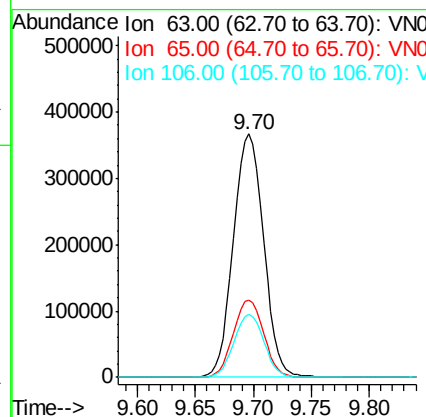
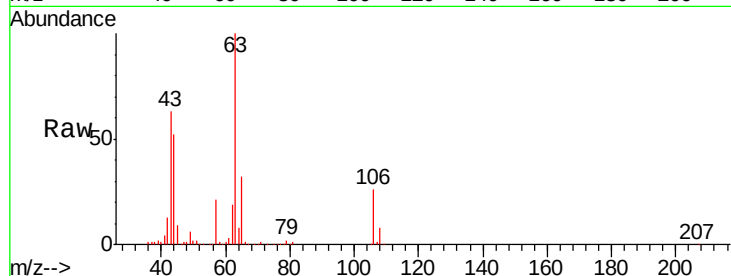
ClientSampleId :

VN1126WBS01

Tgt Ion:	63	Resp:	664130
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	25.6	20.4	30.6

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#56

Bromoform

Concen: 19.10 ug/l

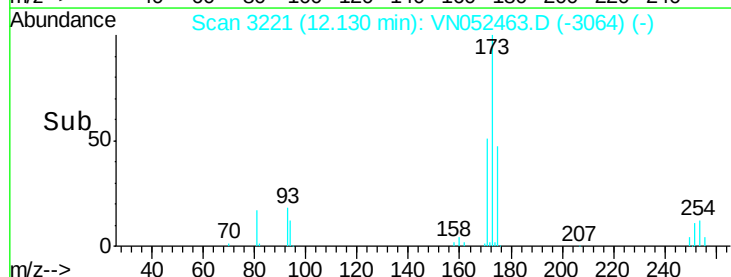
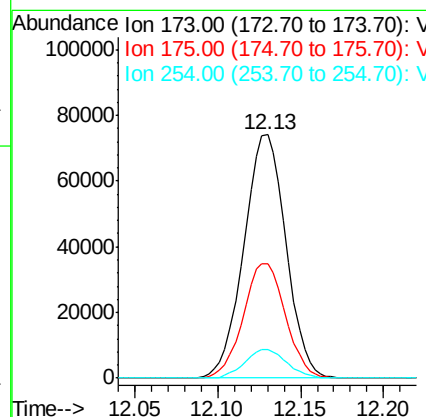
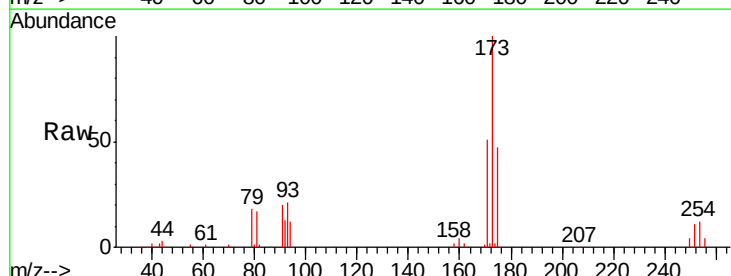
RT: 12.13 min Scan# 3221

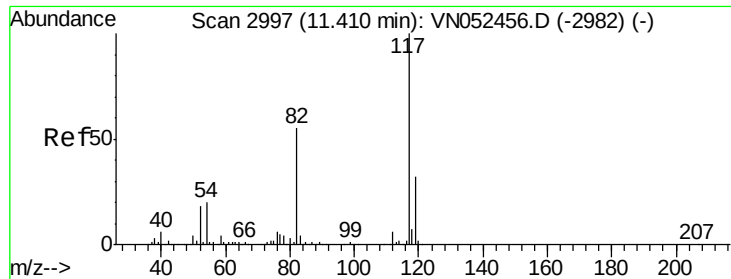
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	173	Resp:	130611
Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.7	58.1
254	11.5	8.4	12.6





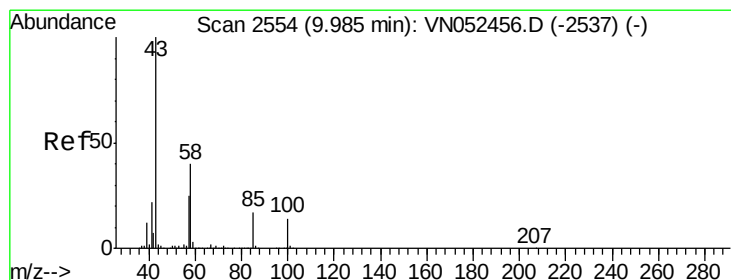
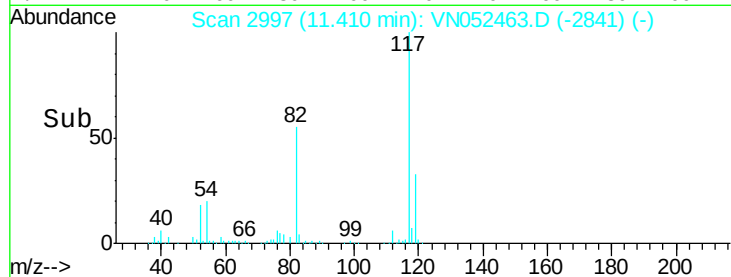
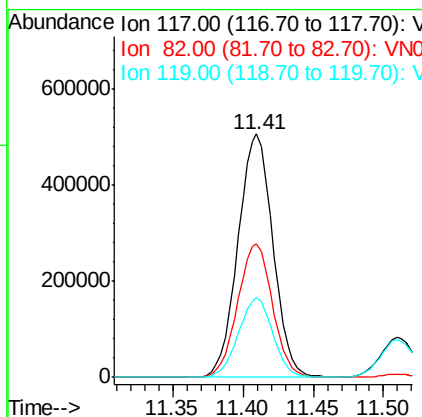
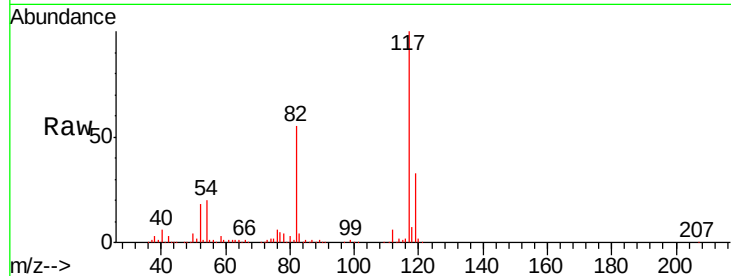
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	878598		
82	54.9	44.2	66.2	
119	32.3	25.4	38.2	

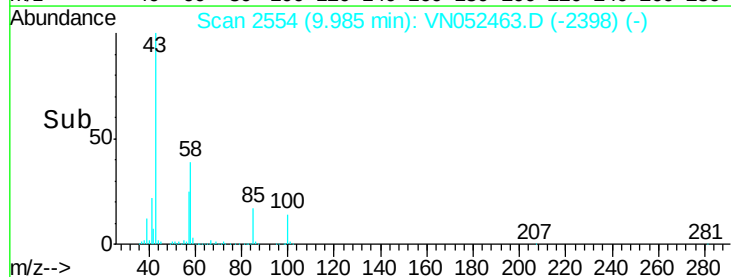
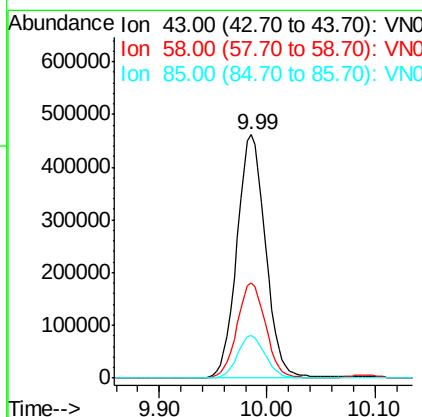
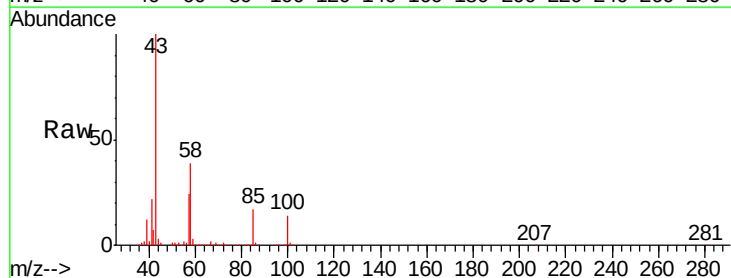
Manual Integrations
APPROVED

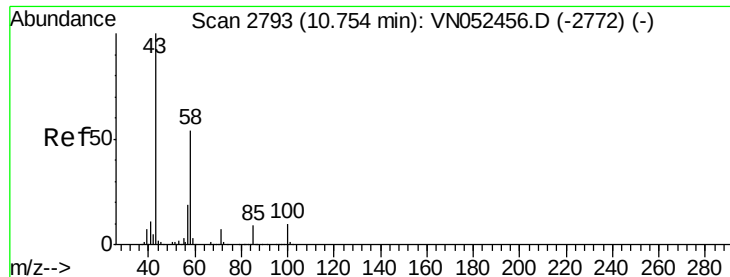
MMDadoda
11/27/2018 3:52:14 PM



#58
4-Methyl-2-Pentanone
Concen: 99.96 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	851464		
58	39.0	31.6	47.4	
85	17.0	13.3	19.9	





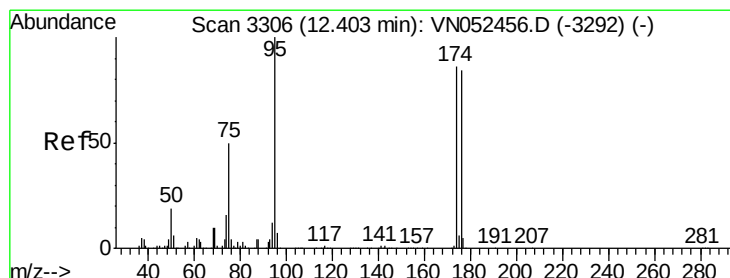
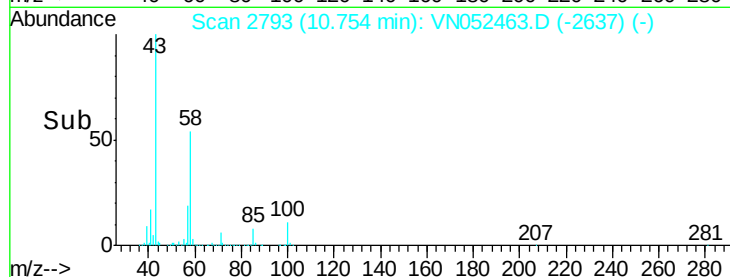
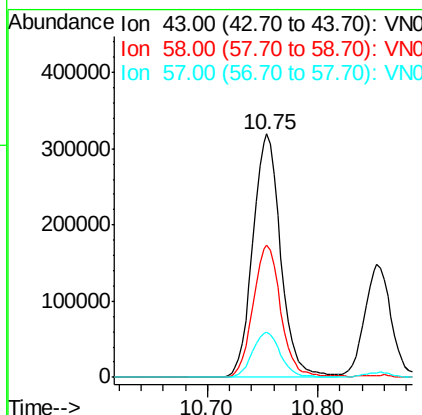
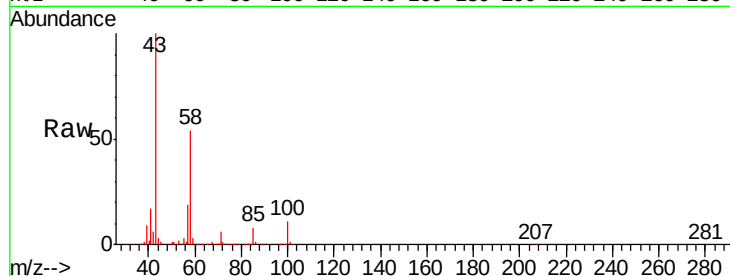
#59
2-Hexanone
Concen: 95.62 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.2	64.8
57	18.8	14.9	22.3

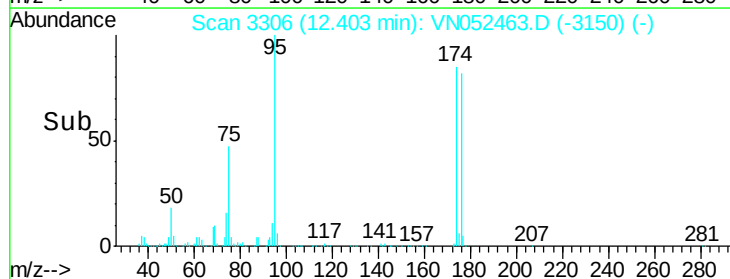
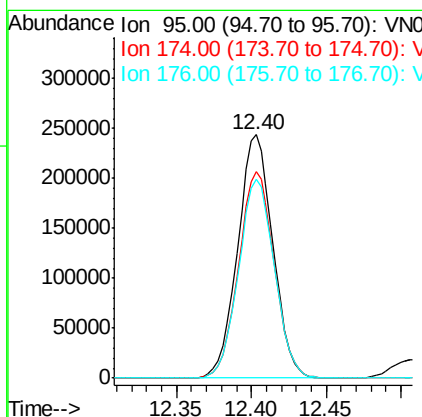
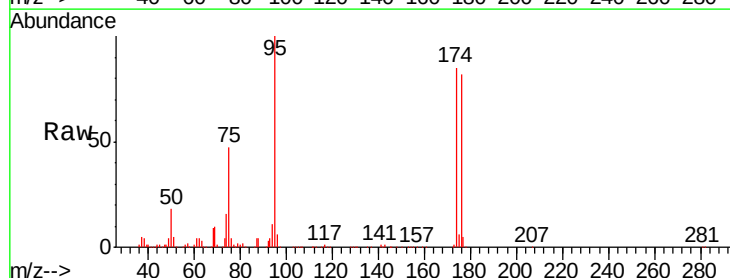
Manual Integrations
APPROVED

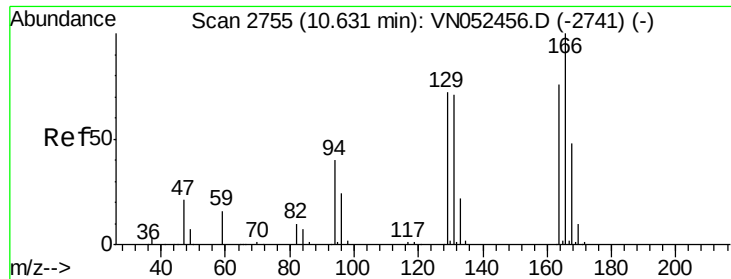
MMDadoda
11/27/2018 3:52:14 PM



#60
4-Bromofluorobenzene
Concen: 95.62 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	67.9	101.9
176	83.4	66.4	99.6





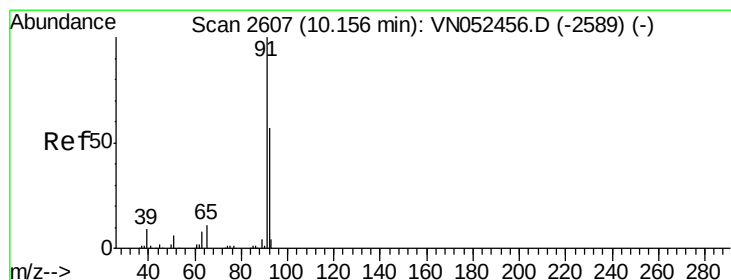
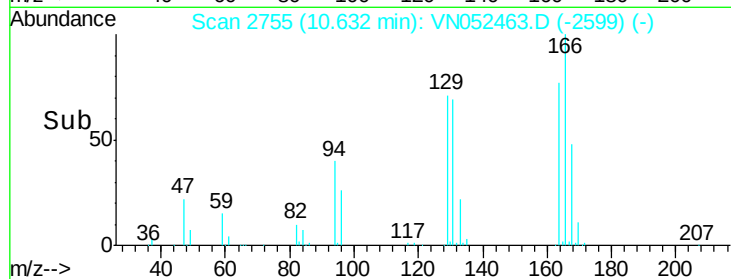
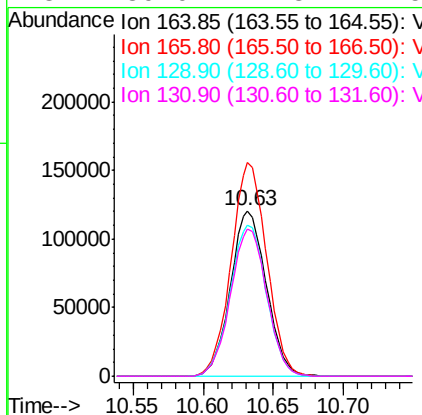
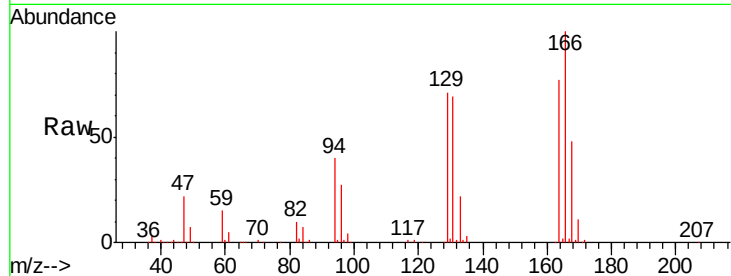
#61
Tetrachloroethene
Concen: 19.78 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.0	214088	104.6	157.0
129	91.2		75.3	112.9
131	89.0		74.3	111.5

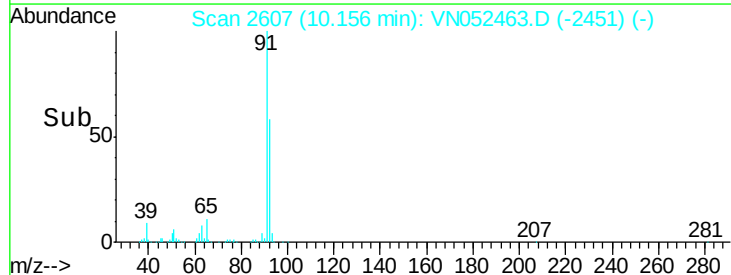
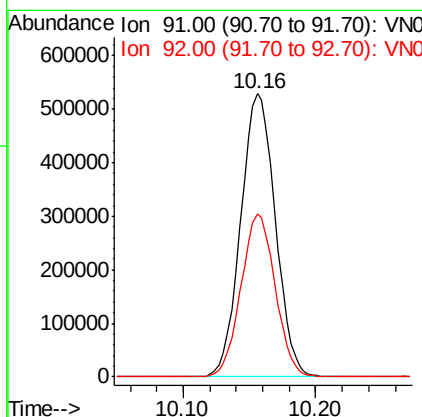
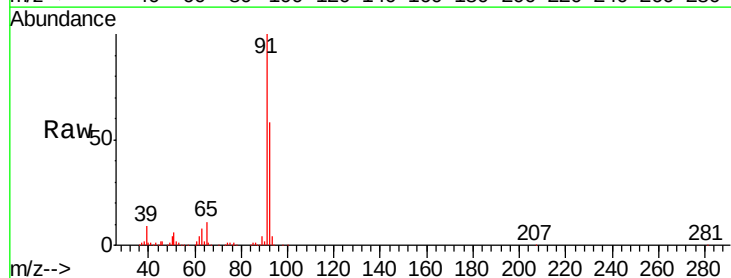
Manual Integrations
APPROVED

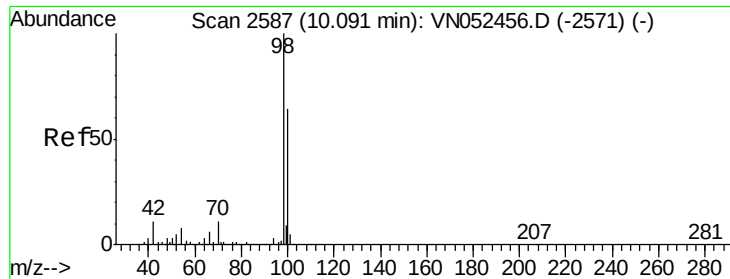
MMDadoda
11/27/2018 3:52:14 PM



#62
Toluene
Concen: 19.84 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	961142		
92	56.9		45.4	68.2





#63

Toluene-d8

Concen: 19.84 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 98 Resp: 1232649

Ion Ratio Lower Upper

98 100

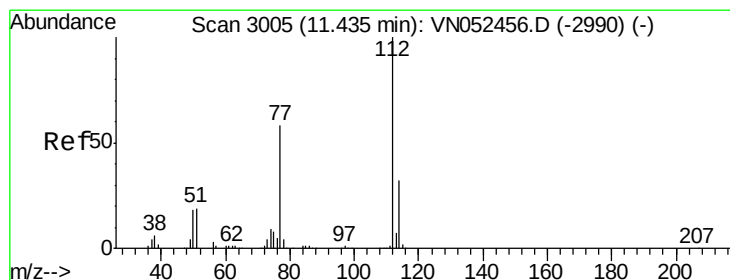
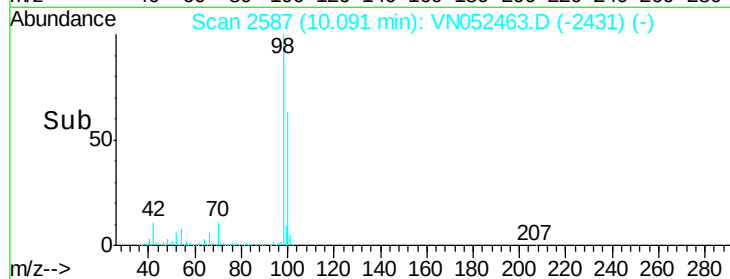
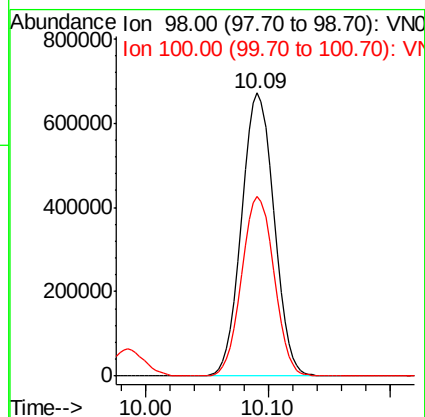
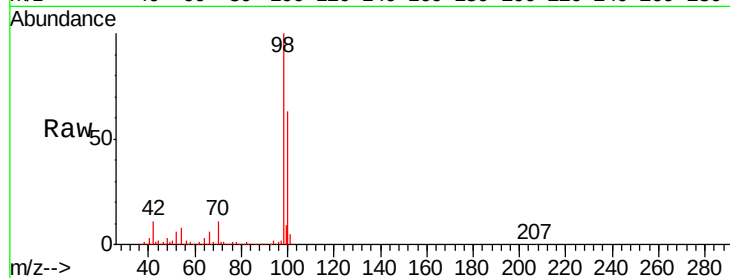
100 63.3 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#64

Chlorobenzene

Concen: 19.58 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052463.D

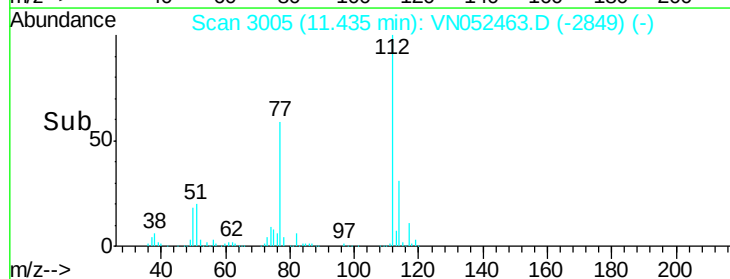
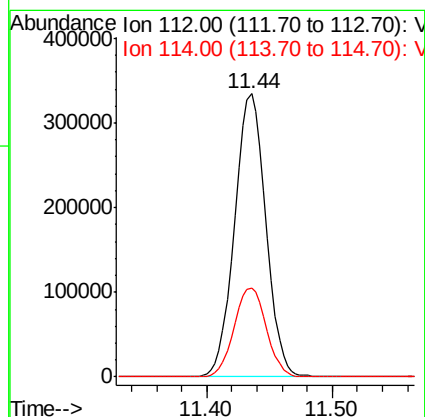
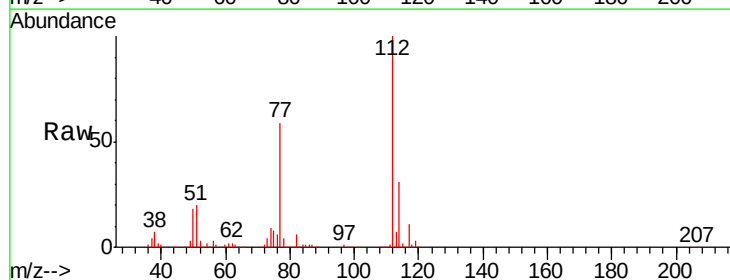
Acq: 26 Nov 2018 17:11

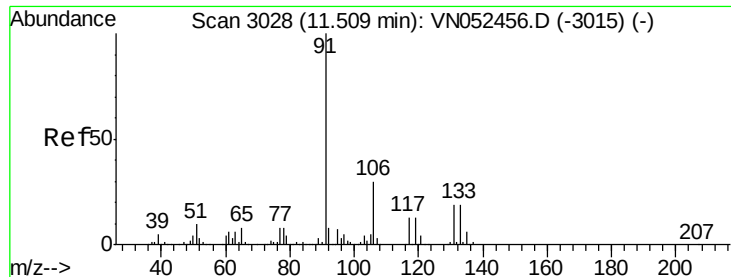
Tgt Ion: 112 Resp: 578916

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

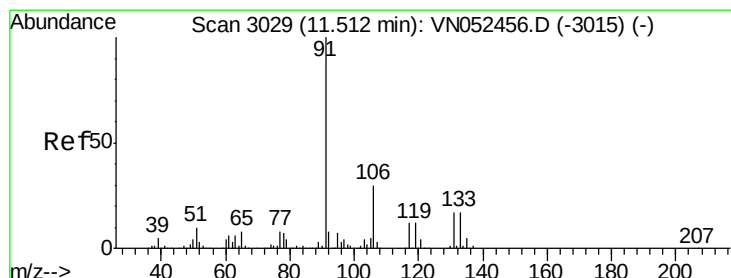
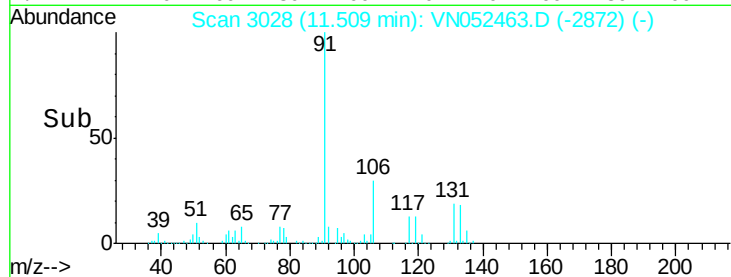
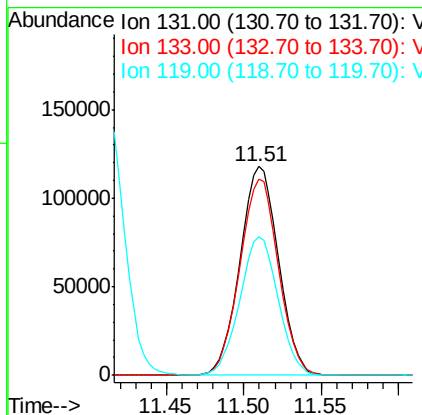
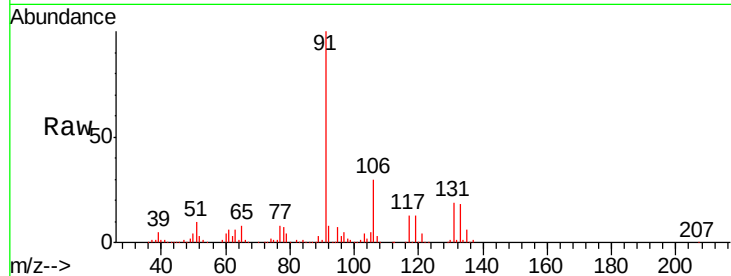
ClientSampleId :

VN1126WBS01

Tgt Ion:	131	Resp:	204296
Ion Ratio	Lower	Upper	
131	100		
133	94.2	0.0	193.4
119	66.3	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#66

Ethyl Benzene

Concen: 19.74 ug/l

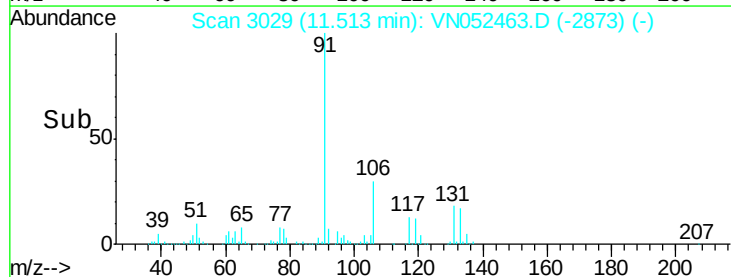
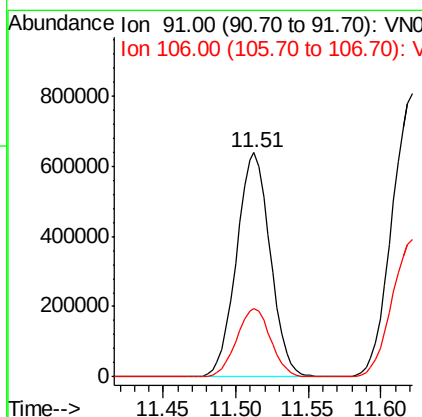
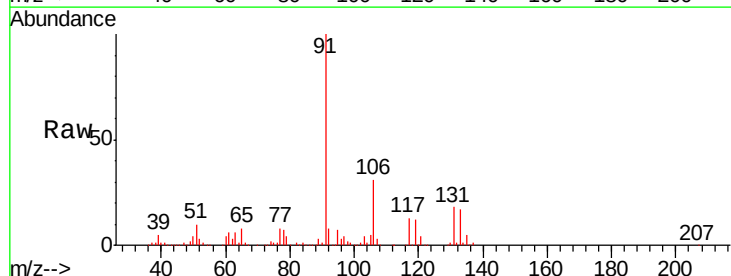
RT: 11.51 min Scan# 3029

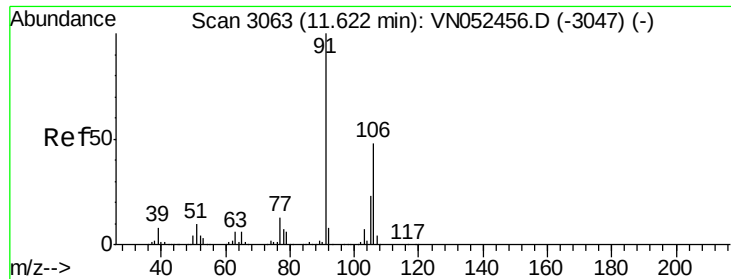
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	91	Resp:	1030536
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.3	36.5





#67

m/p-Xylenes

Concen: 39.41 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion:106 Resp: 766420

Ion Ratio Lower Upper

106 100

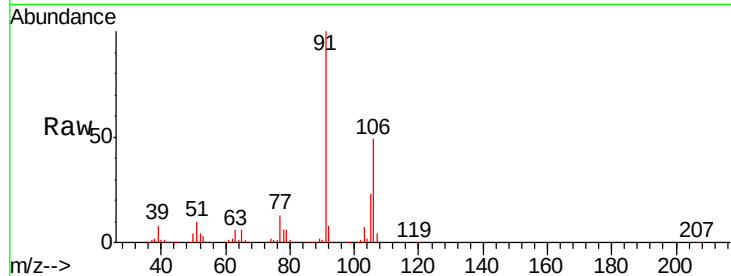
91 204.9 163.9 245.9

Manual Integrations

APPROVED

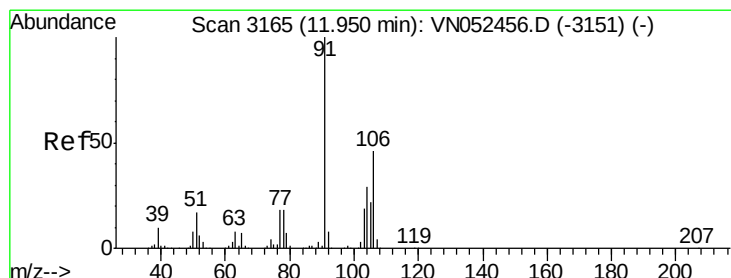
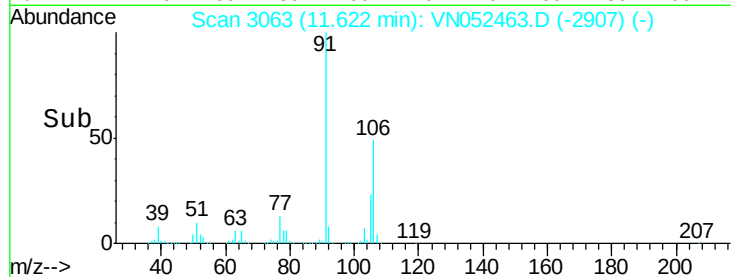
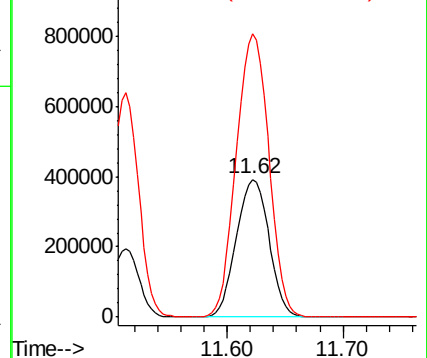
MMDadoda

11/27/2018 3:52:14 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.91 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052463.D

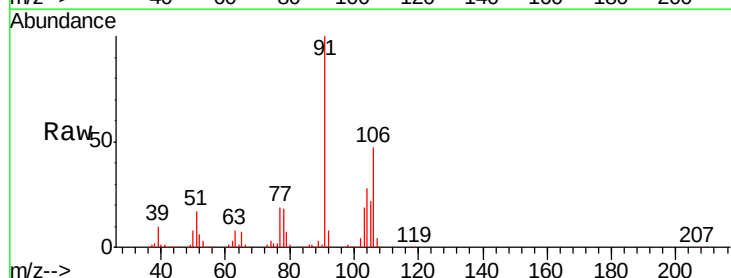
Acq: 26 Nov 2018 17:11

Tgt Ion:106 Resp: 375804

Ion Ratio Lower Upper

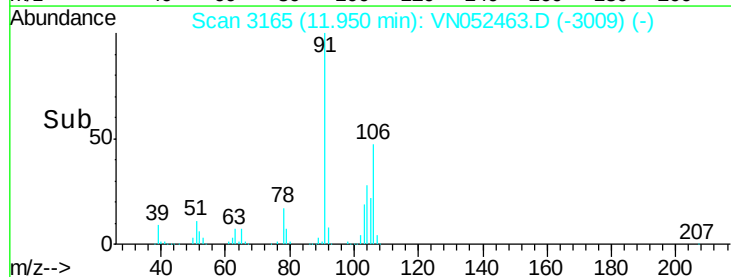
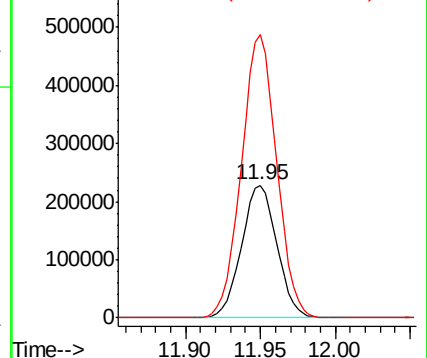
106 100

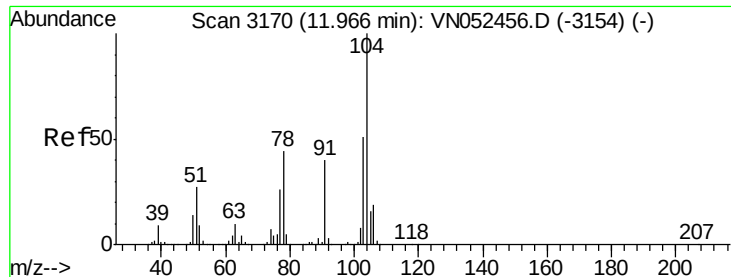
91 212.8 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





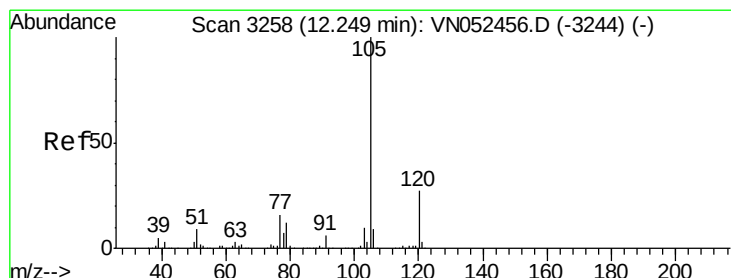
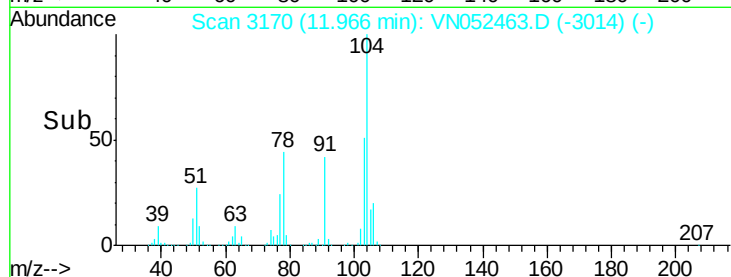
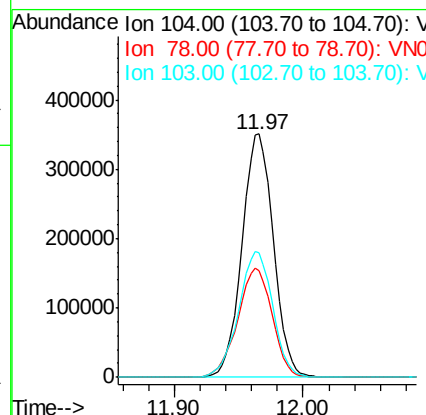
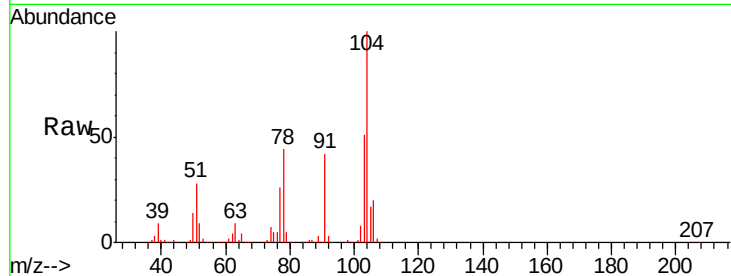
#69
Styrene
Concen: 19.56 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	595860		
78	49.3		39.3	58.9
103	56.0		44.6	66.8

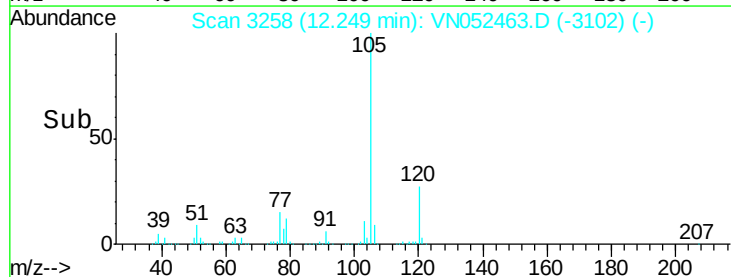
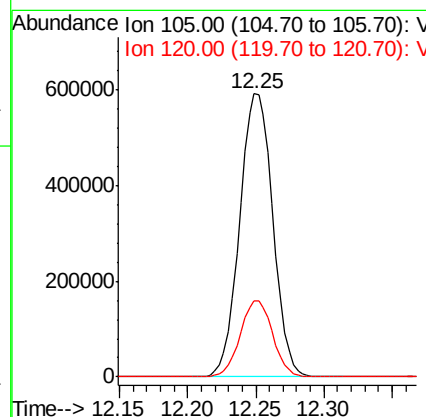
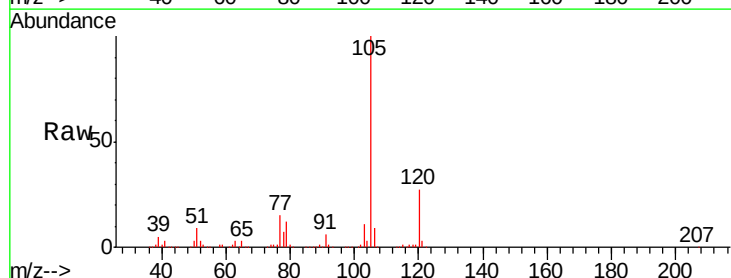
Manual Integrations
APPROVED

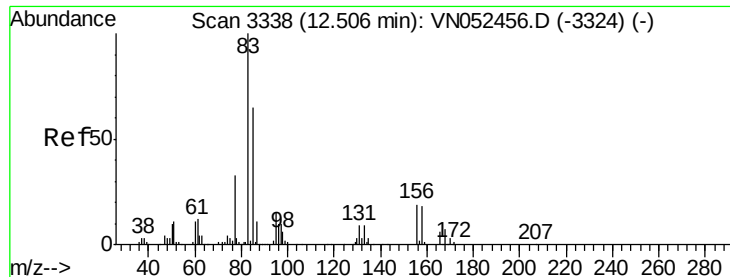
MMDadoda
11/27/2018 3:52:14 PM



#70
Isopropylbenzene
Concen: 19.87 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	997907		
120	26.4		18.6	34.6





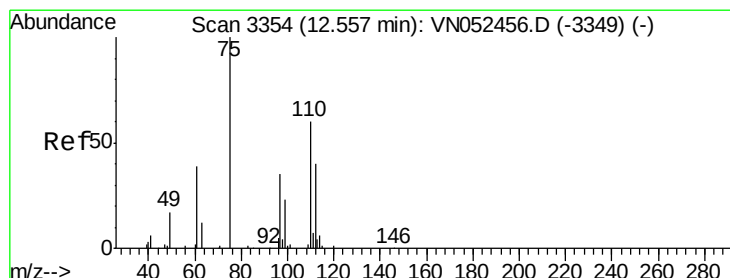
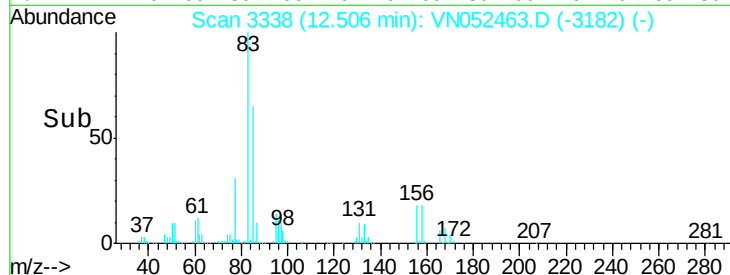
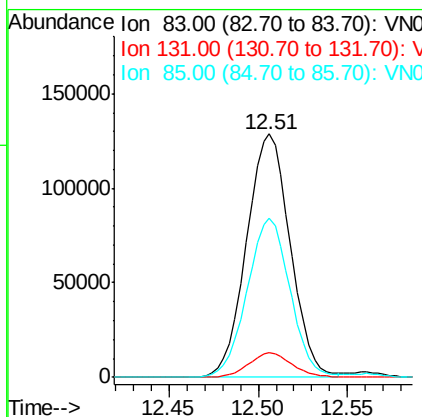
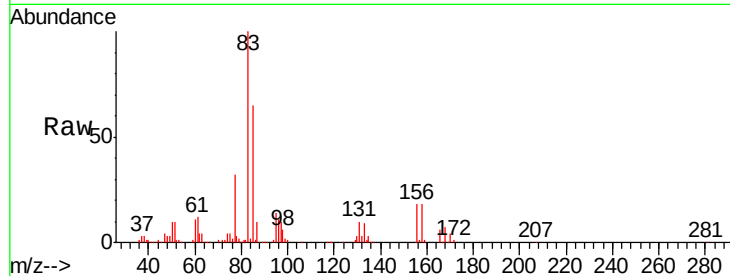
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.14 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.2	32.2	96.6

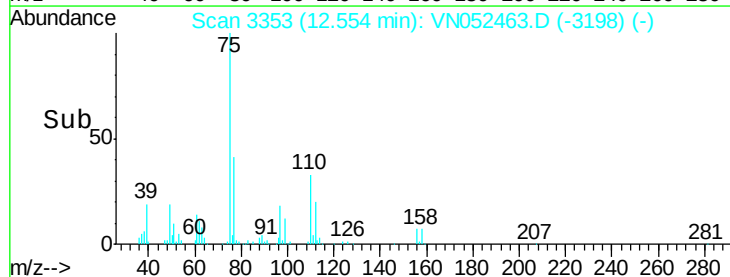
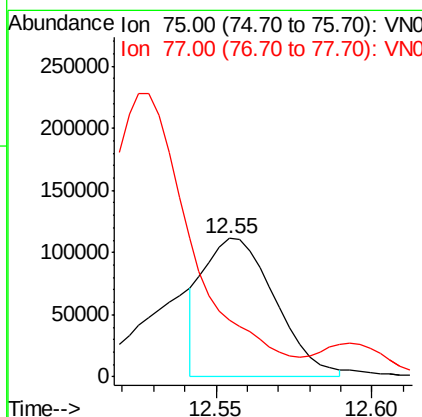
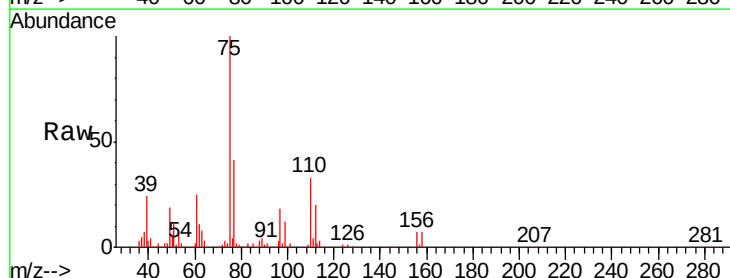
Manual Integrations
 APPROVED

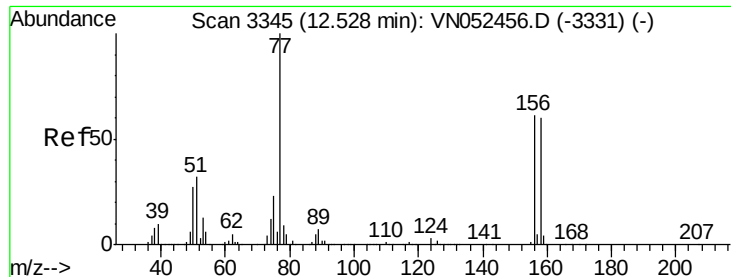
MMDadoda
 11/27/2018 3:52:14 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.92 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	252.6	0.0	514.8





#73

Bromobenzene

Concen: 19.80 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

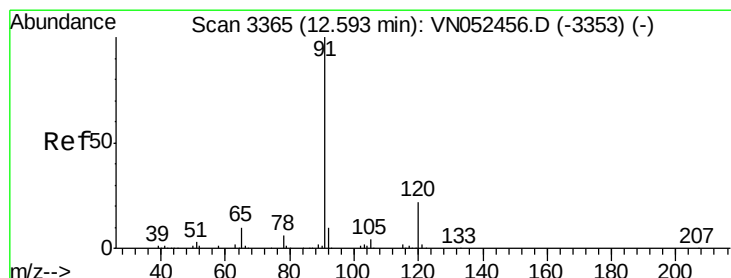
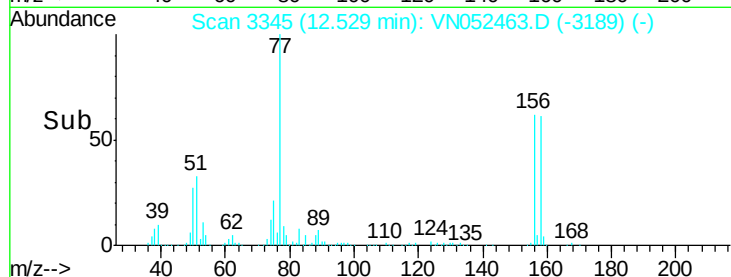
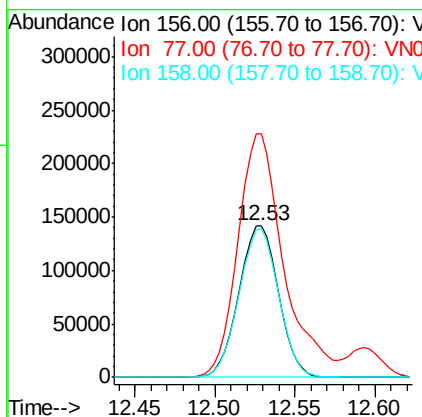
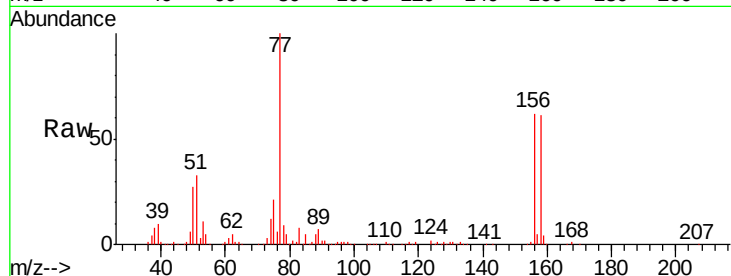
ClientSampleId :

VN1126WBS01

Tgt Ion:	156	Resp:	240458
Ion Ratio	Lower	Upper	
156	100		
77	186.4	0.0	382.6
158	97.5	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#74

n-propylbenzene

Concen: 19.50 ug/l

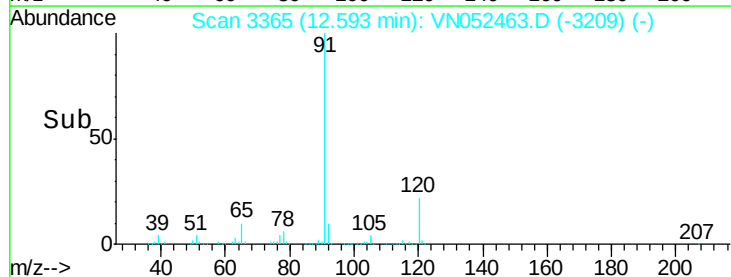
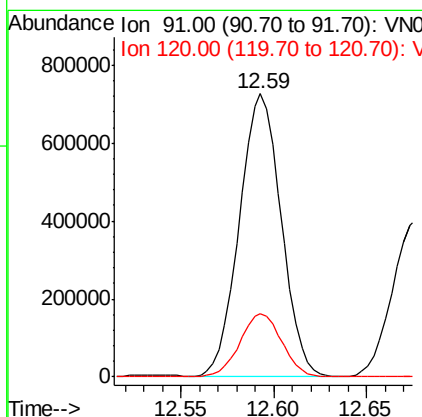
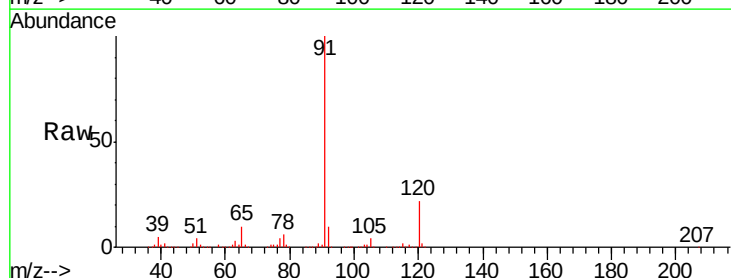
RT: 12.59 min Scan# 3365

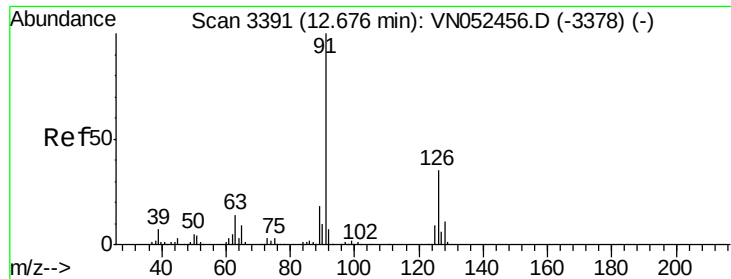
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	91	Resp:	1141314
Ion Ratio	Lower	Upper	
91	100		
120	22.3	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.90 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBS01

Tgt Ion: 91 Resp: 675912

Ion Ratio Lower Upper

91 100

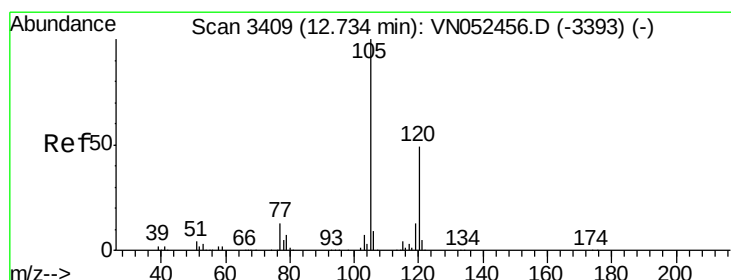
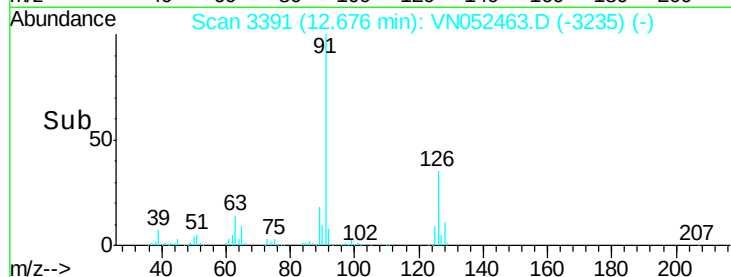
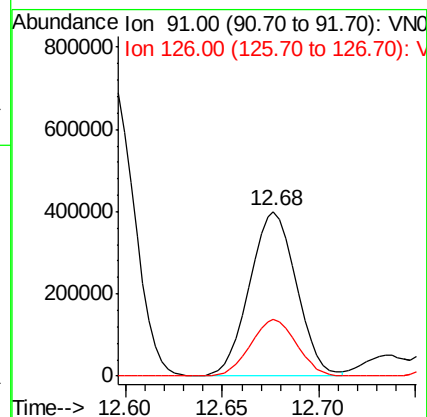
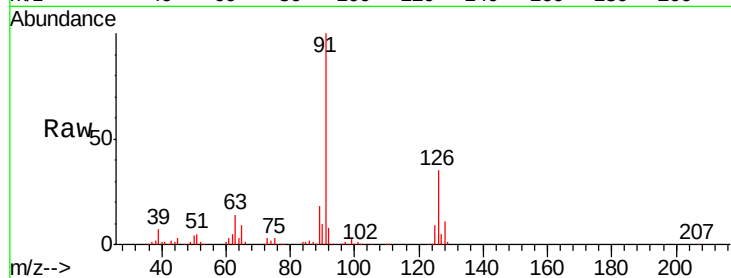
126 34.3 0.0 68.4

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:14 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.81 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052463.D

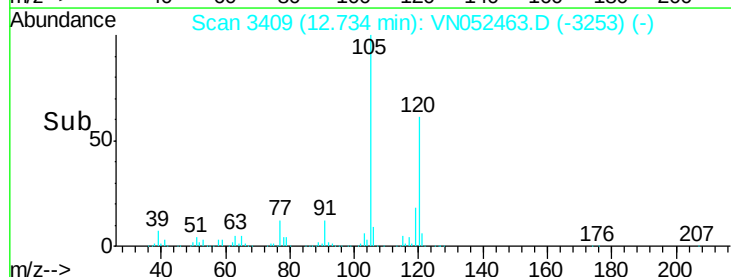
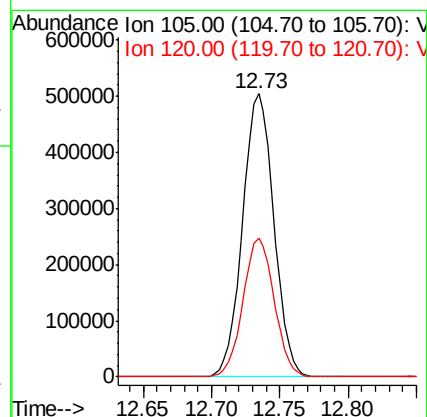
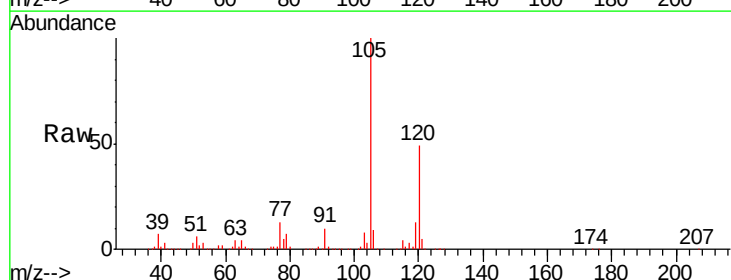
Acq: 26 Nov 2018 17:11

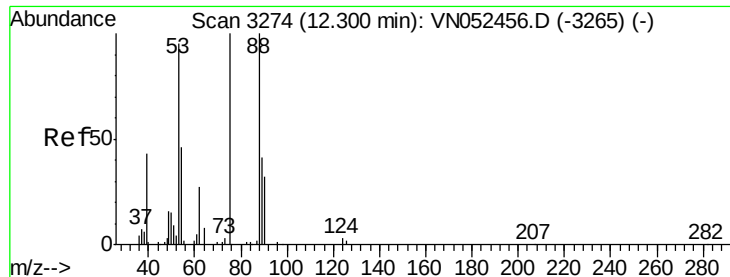
Tgt Ion: 105 Resp: 803749

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.79 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

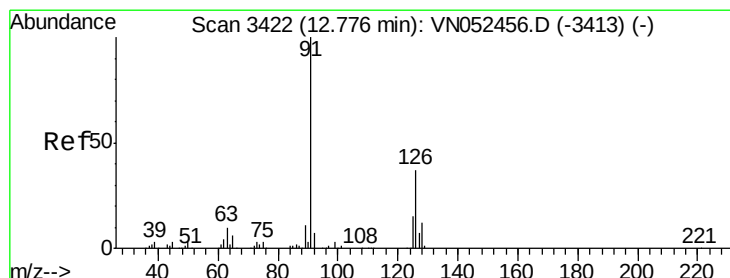
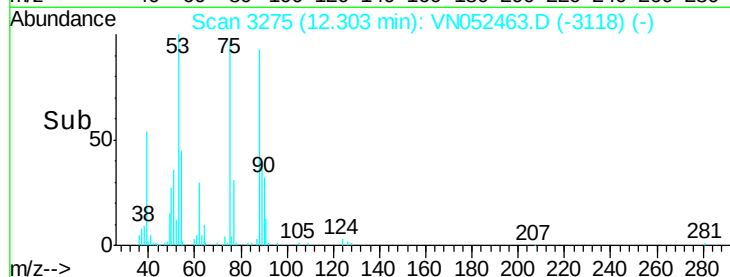
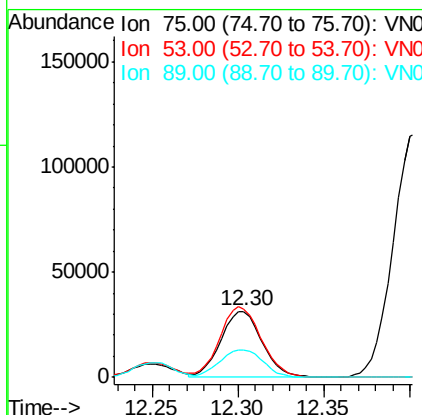
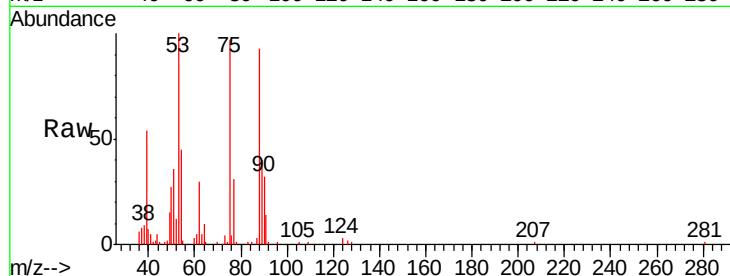
ClientSampleId :

VN1126WBS01

Tgt Ion:	75	Resp:	52710
Ion	Ratio	Lower	Upper
75	100		
53	102.5	48.5	145.6
89	41.1	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#78

4-Chlorotoluene

Concen: 19.44 ug/l

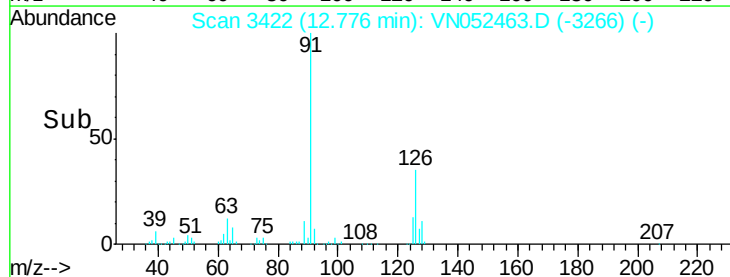
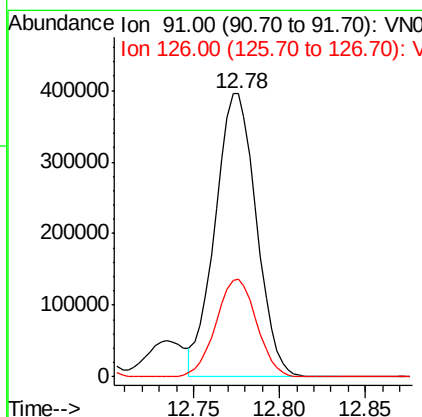
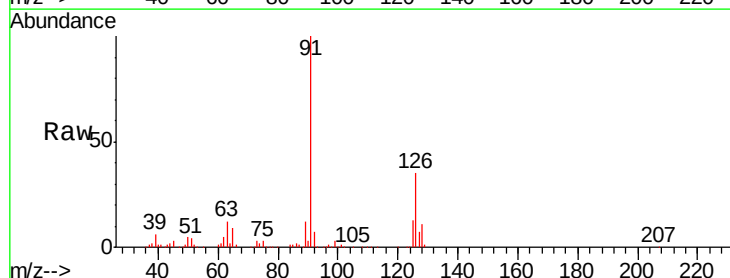
RT: 12.78 min Scan# 3422

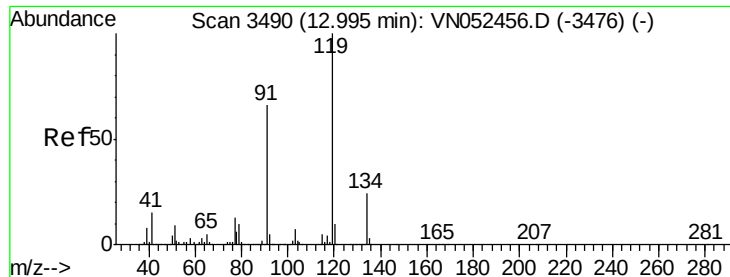
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion:	91	Resp:	659539
Ion	Ratio	Lower	Upper
91	100		
126	34.1	0.0	68.2





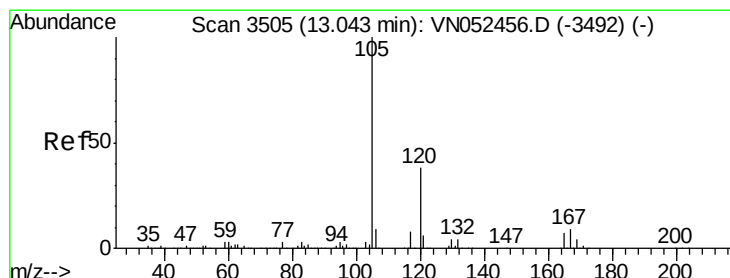
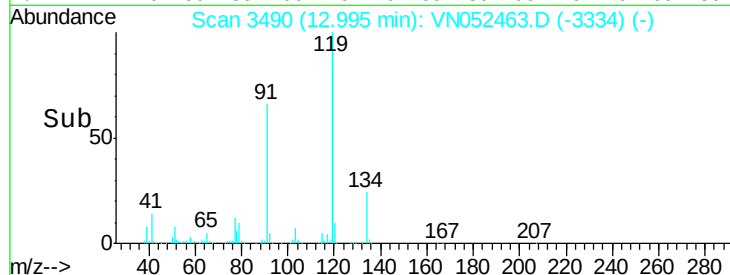
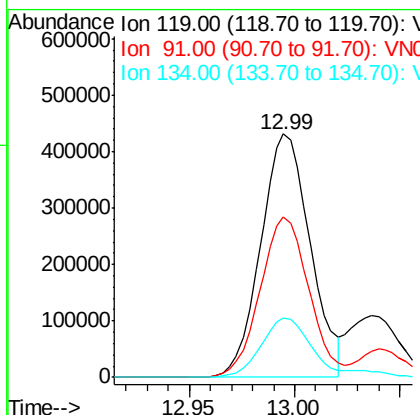
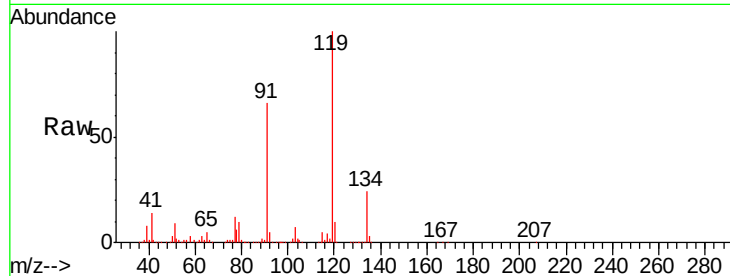
#79
 tert-butylbenzene
 Concen: 19.97 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	705398		
91	64.7	0.0	129.8	
134	24.1	0.0	52.2	

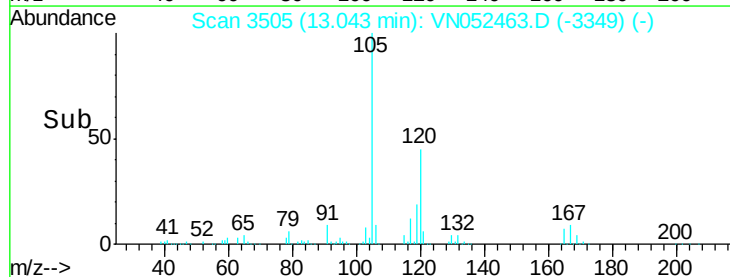
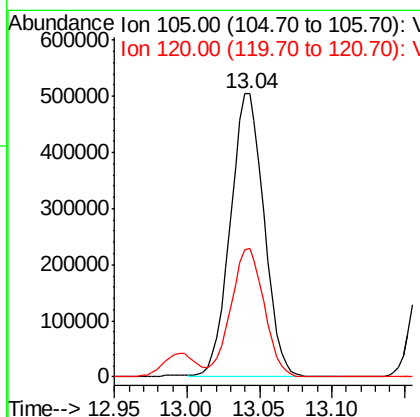
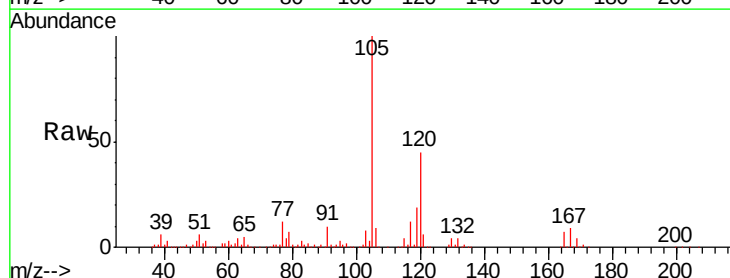
Manual Integrations
 APPROVED

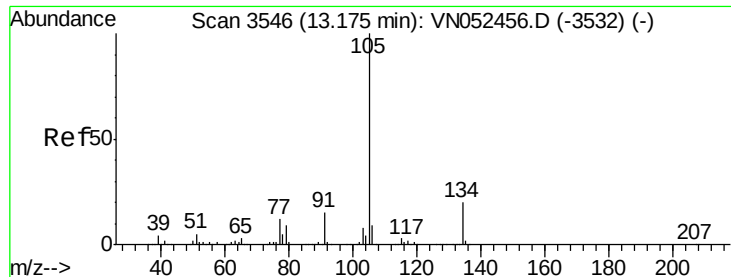
MMDadoda
 11/27/2018 3:52:14 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.01 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	812166		
120	44.8	0.0	91.0	





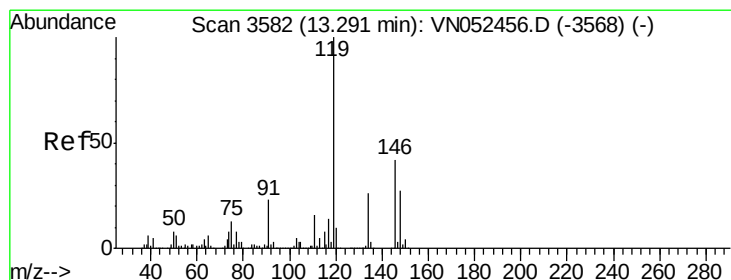
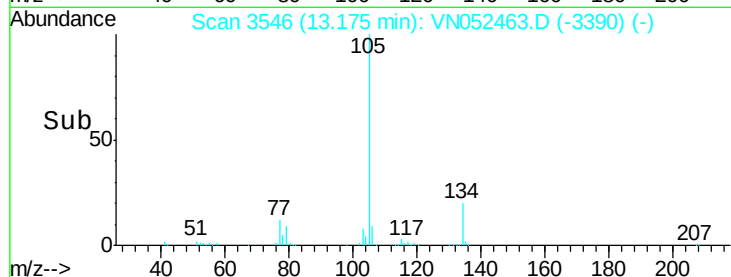
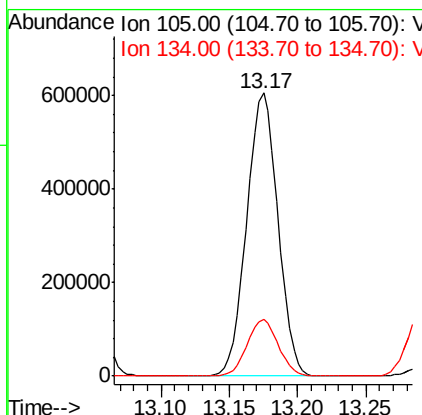
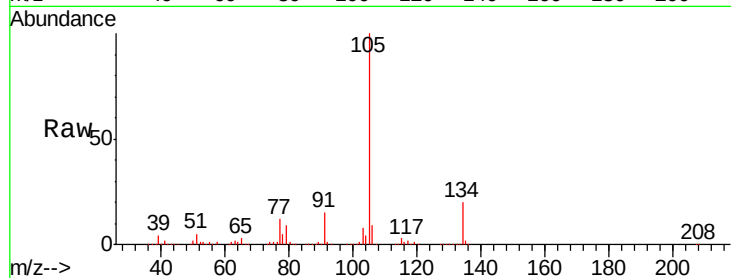
#81
 sec-Butylbenzene
 Concen: 19.58 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	963526		
134	19.9	0.0	40.4	

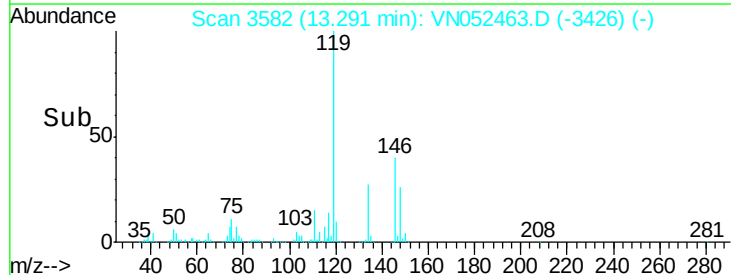
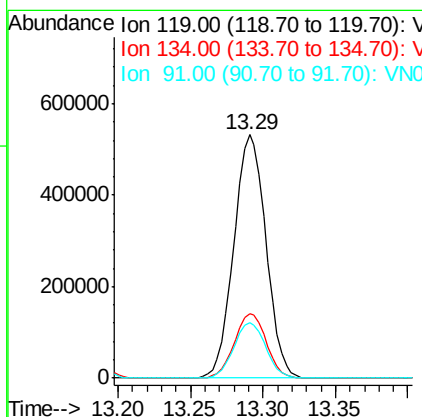
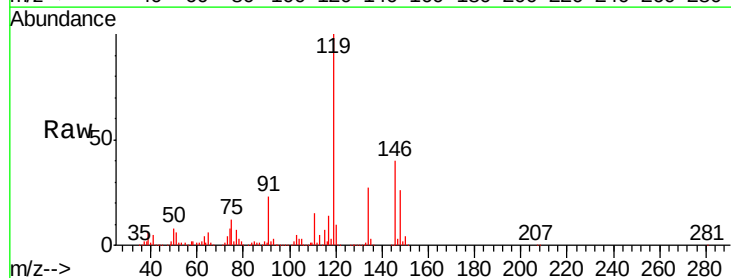
Manual Integrations
 APPROVED

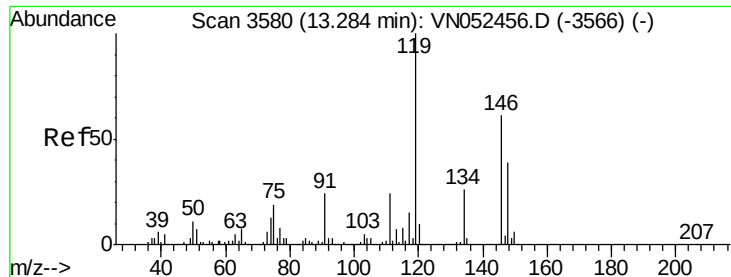
MMDadoda
 11/27/2018 3:52:14 PM



#82
 p-Isopropyltoluene
 Concen: 19.50 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	817118		
134	26.3	0.0	52.6	
91	22.7	0.0	46.2	





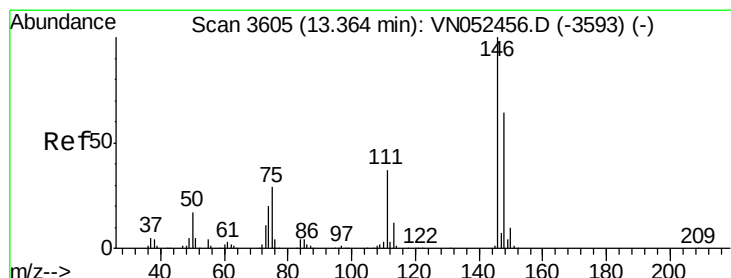
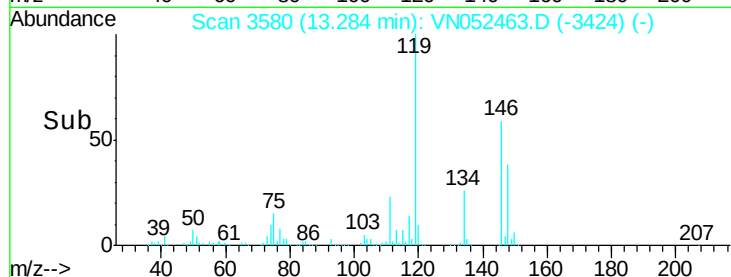
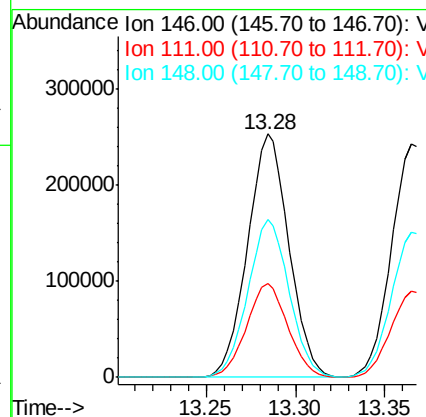
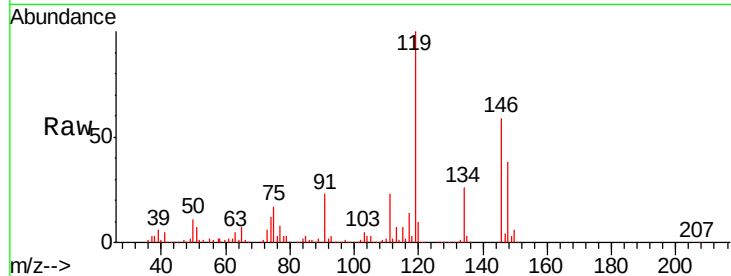
#83
 1,3-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.8	32.3	96.8

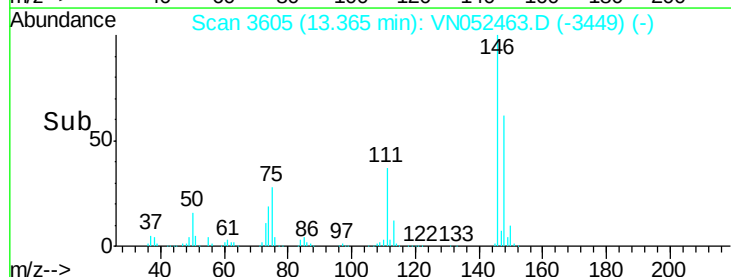
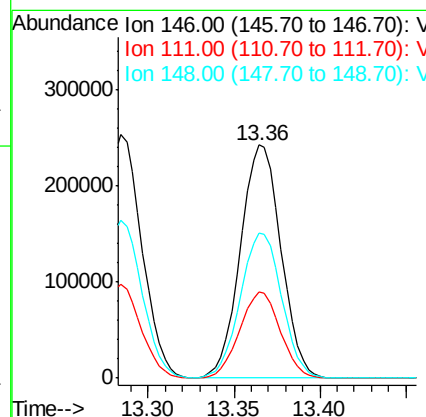
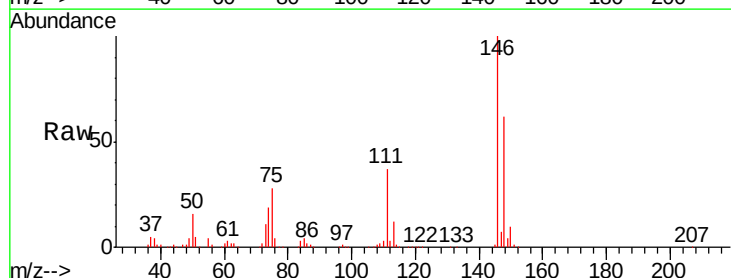
Manual Integrations
 APPROVED

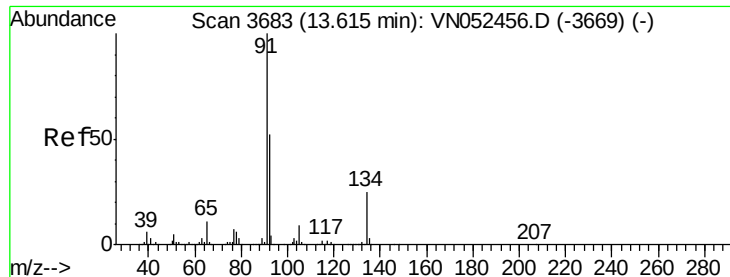
MMDadoda
 11/27/2018 3:52:14 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.6	32.5	97.4





#85

n-Butylbenzene

Concen: 18.45 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Instrument :

MSVOA_N

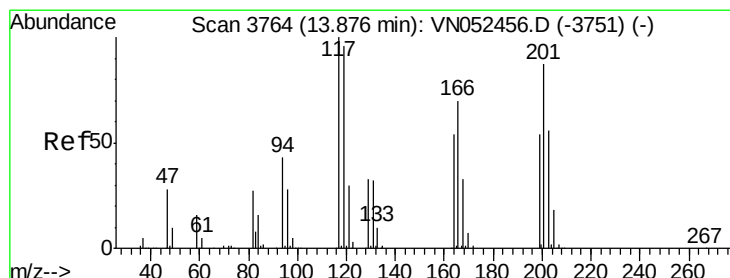
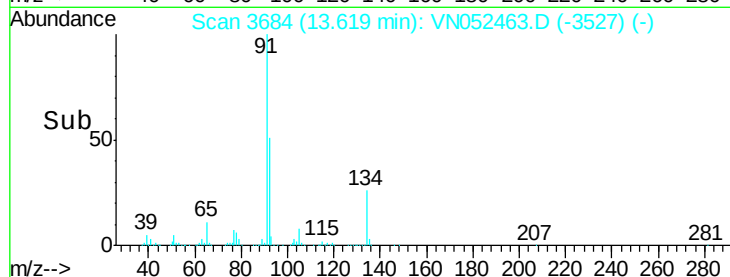
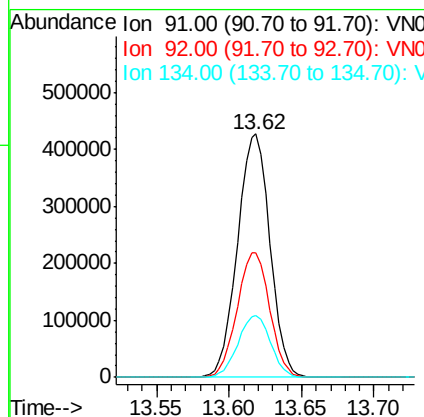
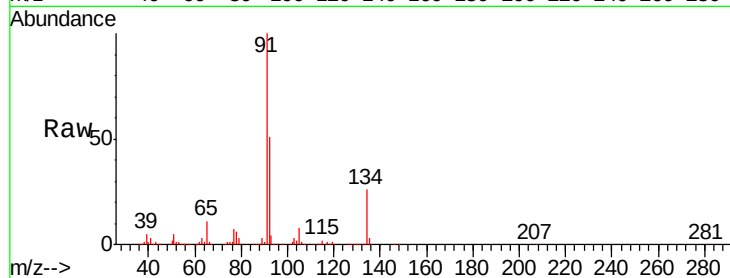
ClientSampleId :

VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	104.2
134	25.5	0.0	50.6

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#86

Hexachloroethane

Concen: 18.89 ug/l

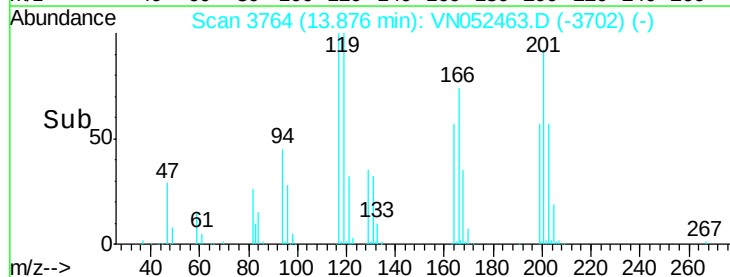
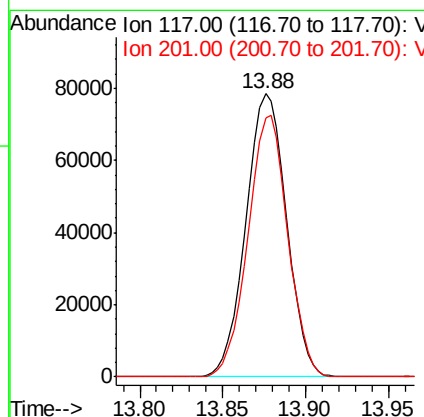
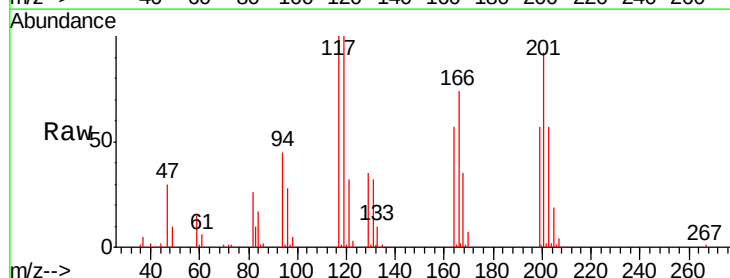
RT: 13.88 min Scan# 3764

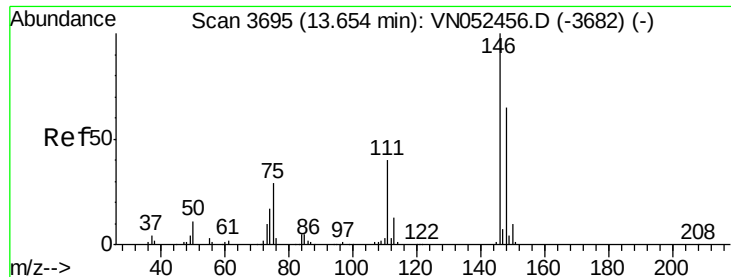
Delta R.T. 0.00 min

Lab File: VN052463.D

Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	43.8	131.3





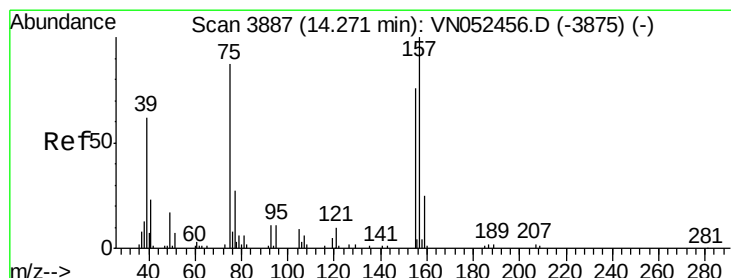
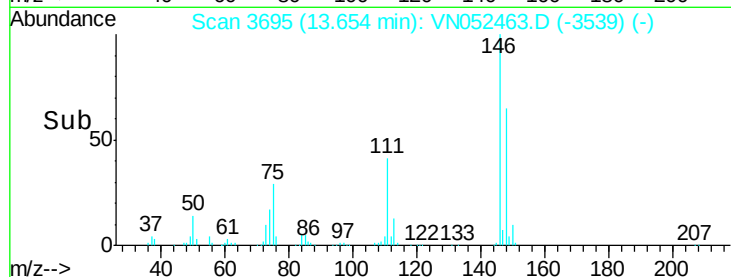
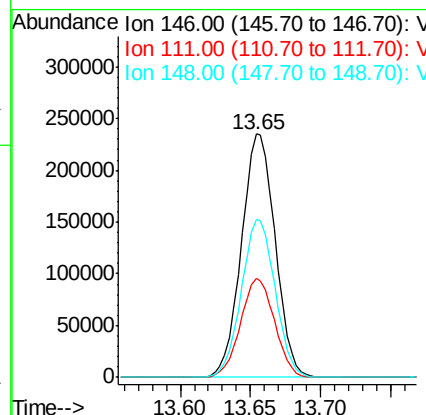
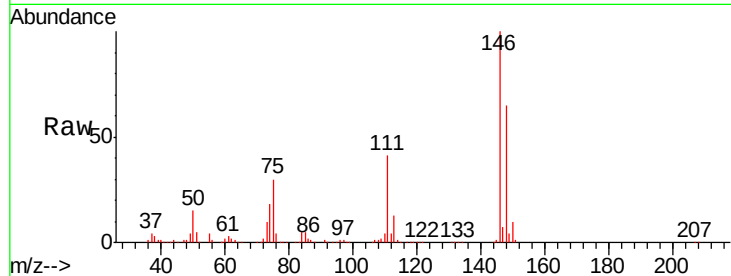
#87
 1,2-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.8	32.1	96.5

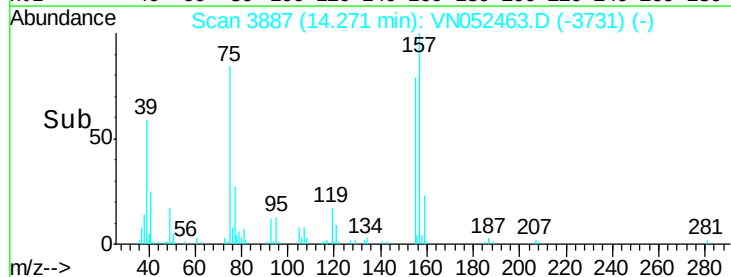
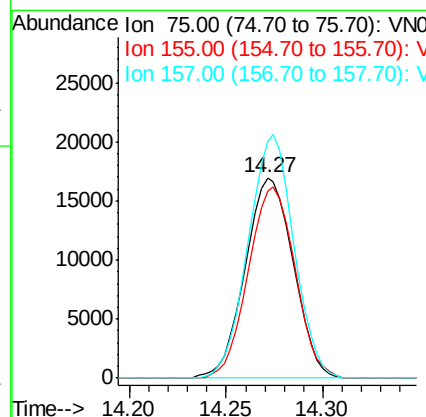
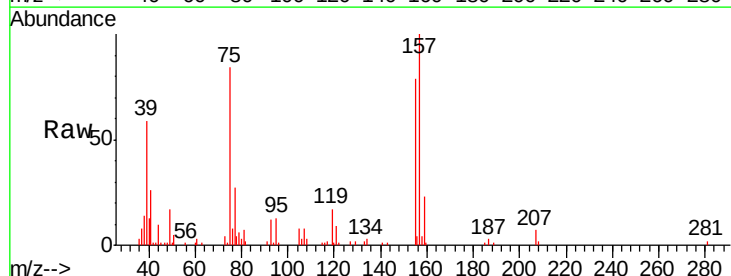
Manual Integrations
 APPROVED

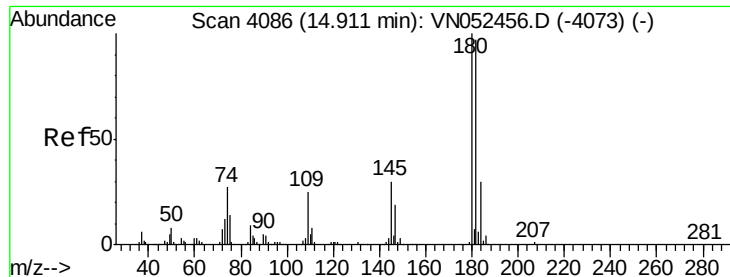
MMDadoda
 11/27/2018 3:52:14 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.17 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	72.2	108.2
157	115.5	94.2	141.2





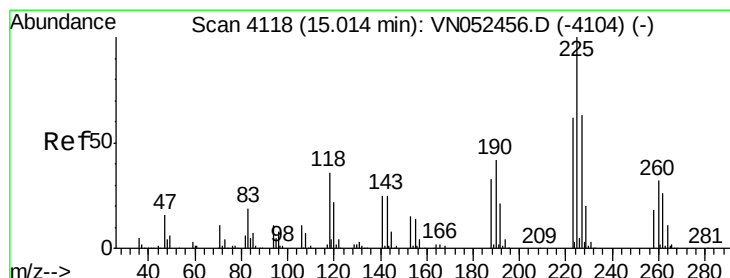
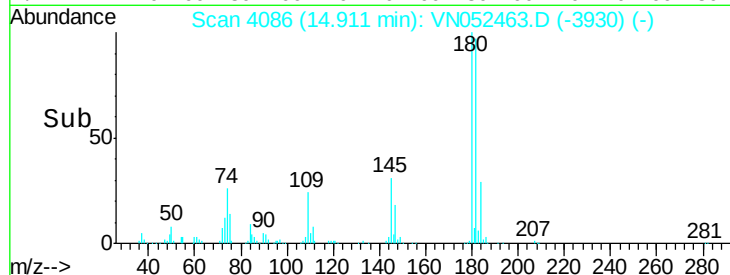
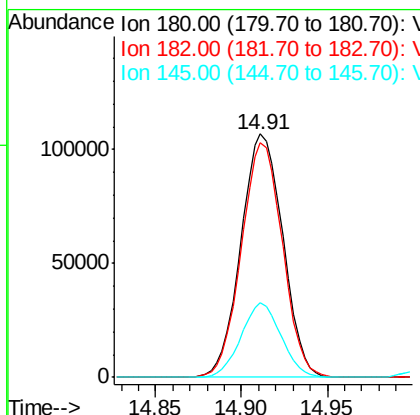
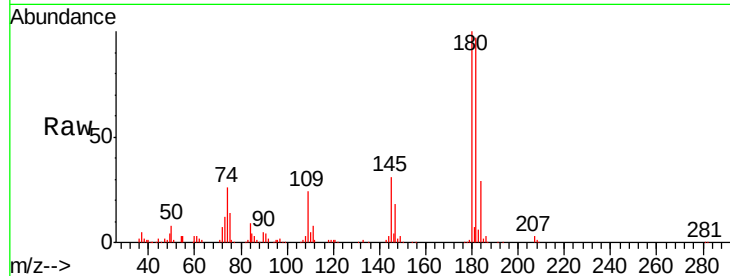
#89
 1,2,4-Trichlorobenzene
 Concen: 18.03 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	180628		
182	94.5	76.6	114.8	
145	29.1	23.6	35.4	

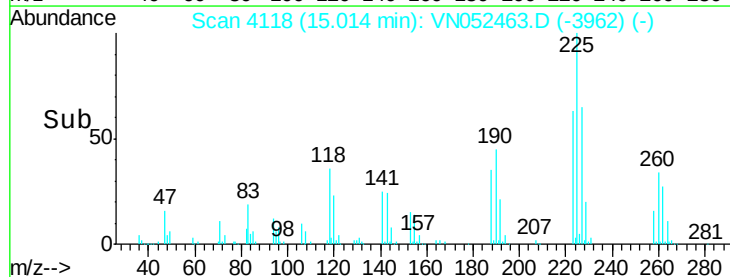
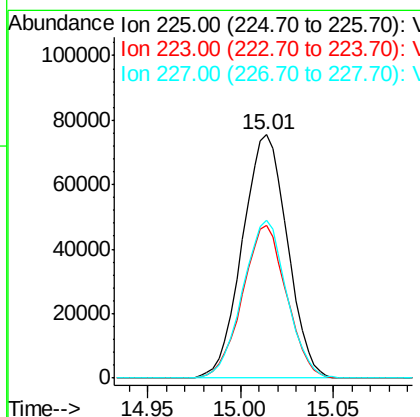
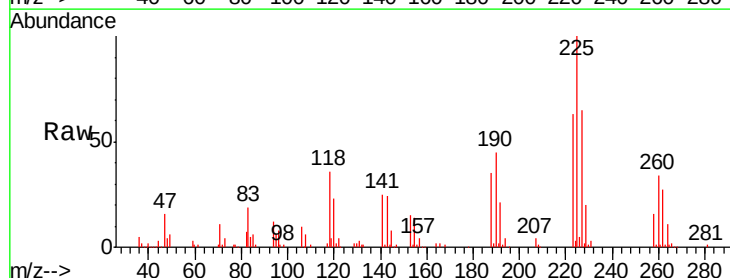
Manual Integrations
 APPROVED

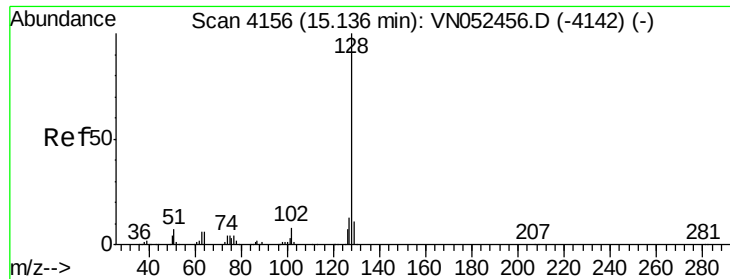
MMDadoda
 11/27/2018 3:52:14 PM



#90
 Hexachlorobutadiene
 Concen: 19.31 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052463.D
 Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126886		
223	61.3	0.0	125.6	
227	63.1	0.0	127.8	





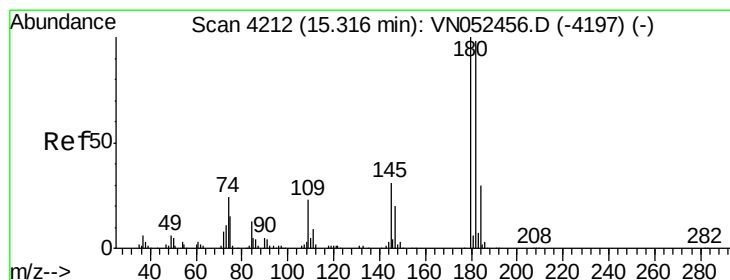
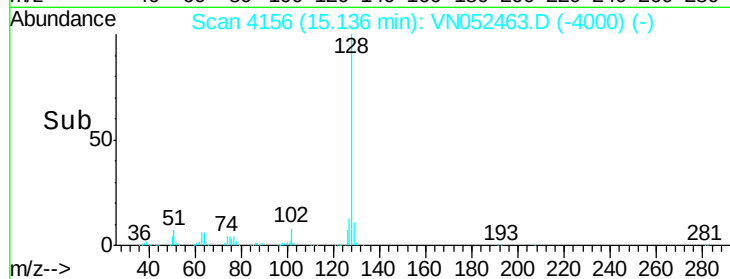
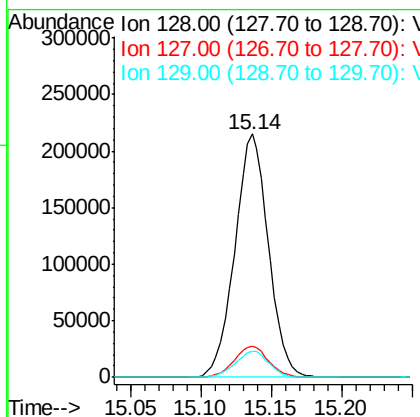
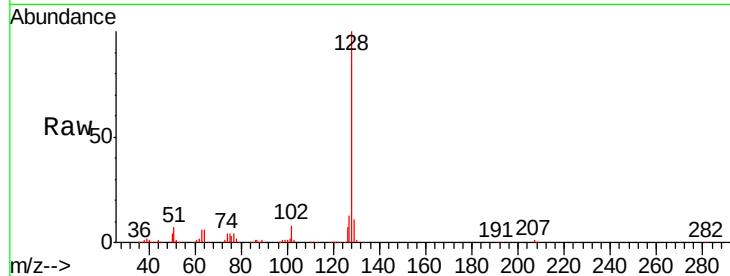
#91
Naphthalene
Concen: 17.74 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.1	9.9	14.9
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:14 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.08 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052463.D
Acq: 26 Nov 2018 17:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.5	0.0	196.2
145	31.0	0.0	62.2

