

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053276.D
 Acq On : 4 Jan 2019 8:55
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:09:52 AM

Quant Time: Jan 04 10:01:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	139852	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	775957	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	703624	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	264795	29.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.33%
60) 4-Bromofluorobenzene	12.40	95	329412	30.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.00%
63) Toluene-d8	10.09	98	962947	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	173968	18.670 ug/l	99
3) Chloromethane	2.06	50	196354	17.954 ug/l	100
4) Vinyl Chloride	2.19	62	186027	17.286 ug/l	96
5) Bromomethane	2.57	94	123391	17.783 ug/l	99
6) Chloroethane	2.71	64	108769	17.545 ug/l	98
7) Trichlorofluoromethane	3.02	101	239576	18.026 ug/l	100
8) Diethyl Ether	3.41	74	86252	17.468 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	153669	18.403 ug/l	97
10) 1,1-Dichloroethene	3.74	96	140447	17.235 ug/l	94
11) Methyl Iodide	3.96	142	210851	17.669 ug/l	99
12) Methyl Acetate	4.32	43	116047	18.271 ug/l	100
13) Acrolein	3.61	56	76301	100.620 ug/l	98
14) Acrylonitrile	4.98	53	264420	93.060 ug/l	100
15) Acetone	3.82	58	74330	123.089 ug/l	91
16) Carbon Disulfide	4.06	76	430344	17.167 ug/l	100
17) Allyl chloride	4.33	41	208951	16.300 ug/l	98
18) Methylene Chloride	4.55	84	163746	17.558 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	151185	17.555 ug/l	95
20) Diisopropyl ether	5.95	45	477510	17.393 ug/l	96
21) 1,1-Dichloroethane	5.85	63	279801	17.504 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	169225	17.444 ug/l	98
23) tert-Butyl Alcohol	4.78	59	43796	91.434 ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	368058	17.321 ug/l	96
25) Chloroform	7.37	83	275215	17.912 ug/l	100
26) Cyclohexane	7.65	56	250043	16.771 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	213008	18.122 ug/l	98
30) 2-Butanone	6.83	43	315506	107.593 ug/l #	81
31) 2,2-Dichloropropane	6.83	77	202844	17.827 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	223260	18.129 ug/l	97
33) Carbon Tetrachloride	7.77	117	195170	18.105 ug/l	98
34) Benzene	8.04	78	649203	18.379 ug/l	100
35) Methacrylonitrile	7.17	41	70723	18.690 ug/l	97
36) 1,2-Dichloroethane	8.12	62	191407	18.665 ug/l #	89
37) Trichloroethene	8.83	130	178517	18.655 ug/l	93
38) Methylcyclohexane	9.08	83	250045	18.188 ug/l	97
39) 1,2-Dichloropropane	9.12	63	169734	18.401 ug/l	98
40) Dibromomethane	9.21	93	97305	18.653 ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053276.D
 Acq On : 4 Jan 2019 8:55
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:09:52 AM

Quant Time: Jan 04 10:01:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	209016	18.658	ug/l	97
42) Vinyl Acetate	5.90	43	1466453	91.664	ug/l	97
43) Ethyl Acetate	7.20	43	39180	5.983	ug/l	100
44) Isopropyl Acetate	8.16	43	231288	18.960	ug/l	98
45) 1,4-Dioxane	9.20	88	27609	370.111	ug/l	93
46) Methyl methacrylate	9.20	41	112085	18.188	ug/l	95
47) n-amyl Acetate	12.07	43	188554	17.600	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	202066	17.673	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	240953	17.897	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	141607	18.933	ug/l	99
51) Ethyl methacrylate	10.43	69	177099	18.168	ug/l	93
52) 1,3-Dichloropropane	10.71	76	241345	18.732	ug/l	100
53) Dibromochloromethane	10.90	129	154345	18.373	ug/l	98
54) 1,2-Dibromoethane	11.00	107	139309	18.463	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	549743	98.269	ug/l	97
56) Bromoform	12.13	173	103949	18.089	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	644427	96.114	ug/l	98
59) 2-Hexanone	10.75	43	459738	99.322	ug/l	98
61) Tetrachloroethene	10.63	164	199501	19.186	ug/l	97
62) Toluene	10.16	91	702449	18.203	ug/l	100
64) Chlorobenzene	11.43	112	439664	18.156	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	152894	17.999	ug/l	99
66) Ethyl Benzene	11.51	91	741716	17.724	ug/l	98
67) m/p-Xylenes	11.62	106	583588	36.873	ug/l	97
68) o-Xylene	11.95	106	278660	18.169	ug/l	97
69) Styrene	11.96	104	455349	18.189	ug/l	99
70) Isopropylbenzene	12.25	105	733286	18.172	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	152775	17.986	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	137075m	18.428	ug/l	
73) Bromobenzene	12.53	156	191617	18.474	ug/l	94
74) n-propylbenzene	12.59	91	849629	18.600	ug/l	98
75) 2-Chlorotoluene	12.67	91	500527	18.502	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	602953	18.837	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	43634	16.695	ug/l	98
78) 4-Chlorotoluene	12.77	91	510410	18.535	ug/l	98
79) tert-butylbenzene	12.99	119	519858	18.622	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	606037	18.890	ug/l	98
81) sec-Butylbenzene	13.17	105	704022	19.045	ug/l	100
82) p-Isopropyltoluene	13.29	119	614990	19.253	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	333379	18.877	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	321973	18.703	ug/l	98
85) n-Butylbenzene	13.62	91	493431	18.995	ug/l	99
86) Hexachloroethane	13.88	117	89015	17.454	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	299597	18.257	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15176	12.493	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	60982	7.656	ug/l	98
90) Hexachlorobutadiene	15.01	225	72205	14.977	ug/l	100
91) Naphthalene	15.13	128	85993	5.089	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	34144	4.805	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
Data File : VN053276.D
Acq On : 4 Jan 2019 8:55
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM

Quant Time: Jan 04 10:01:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

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

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

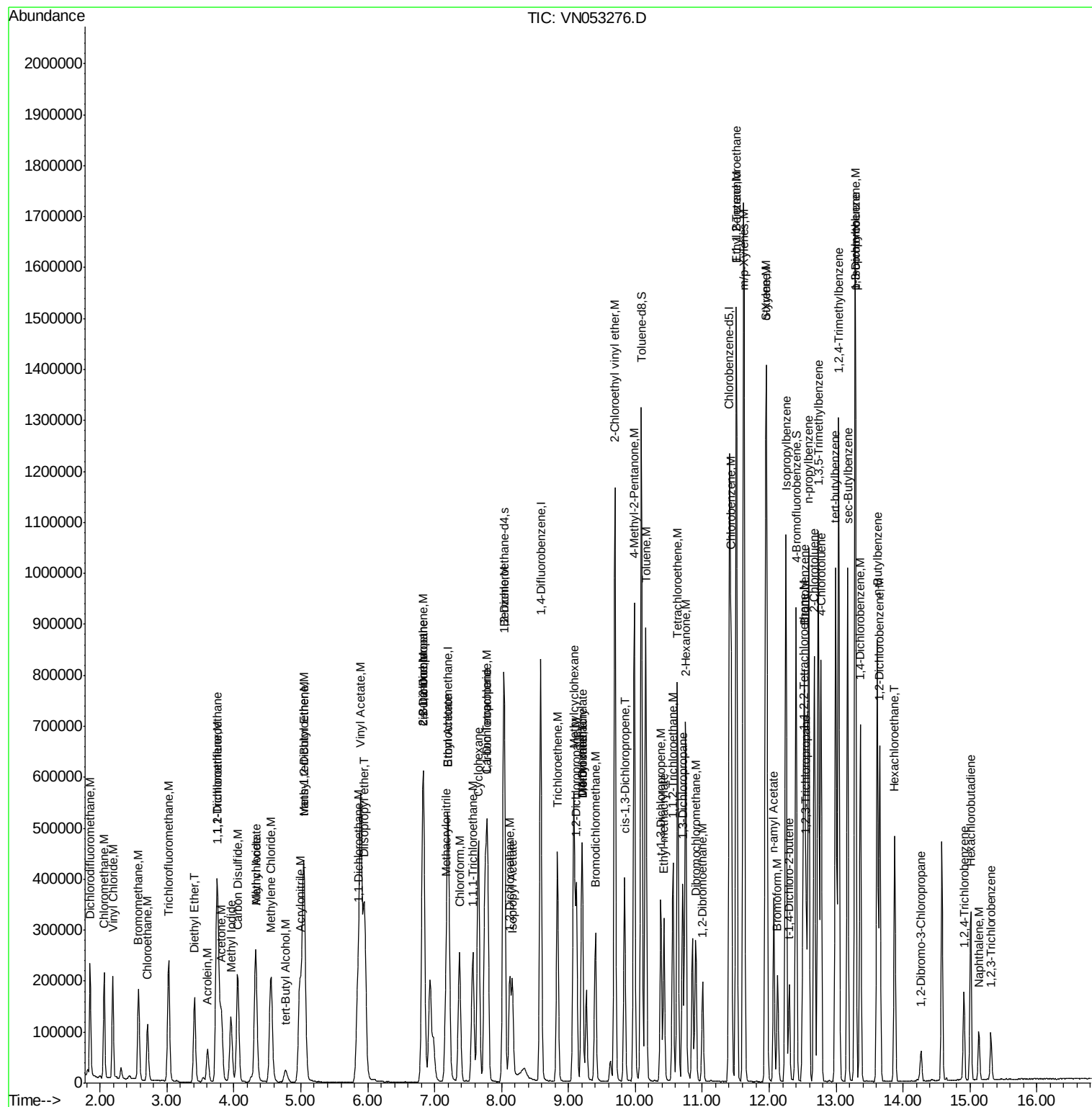
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010419\
Data File : VN053276.D
Acq On : 4 Jan 2019 8:55
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

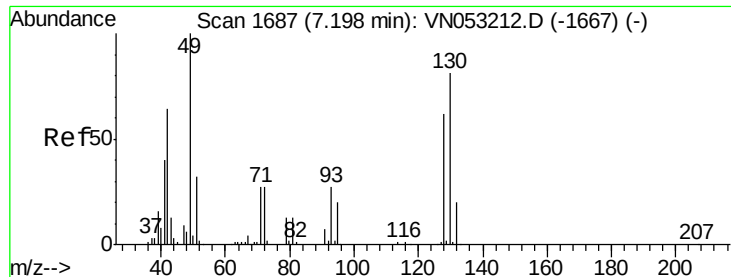
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM

Quant Time: Jan 04 10:01:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

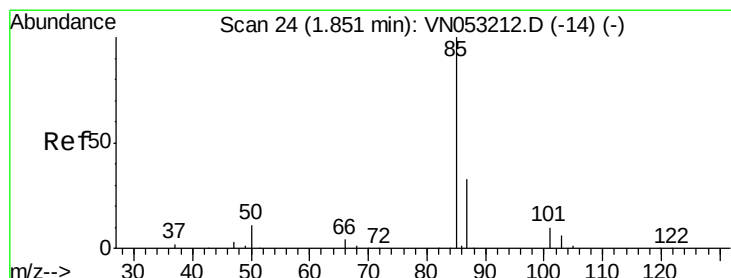
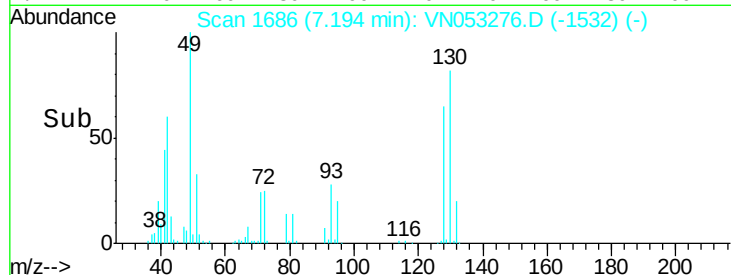
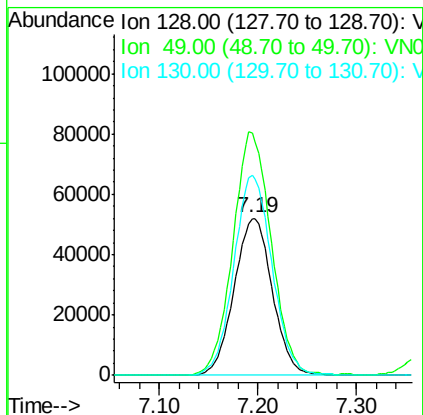
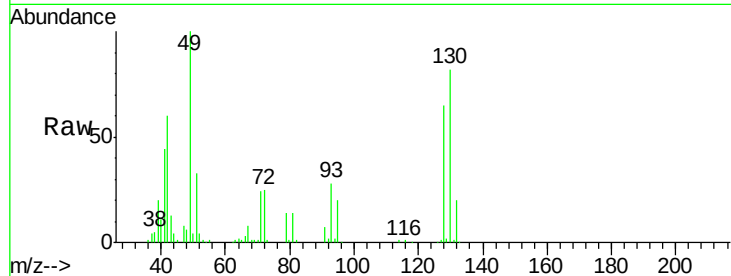
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	139852
Ion	Ratio	Lower	Upper
128	100		
49	155.8	0.0	431.8
130	128.2	0.0	317.0

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#2

Dichlorodifluoromethane

Concen: 18.670 ug/l

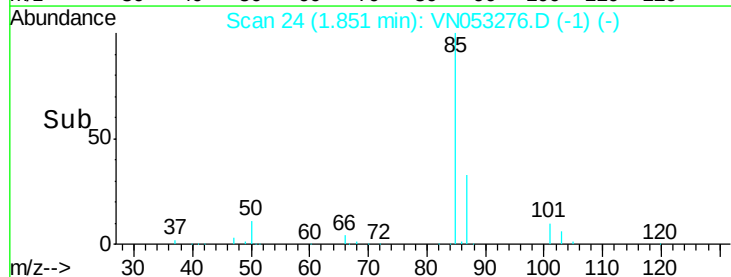
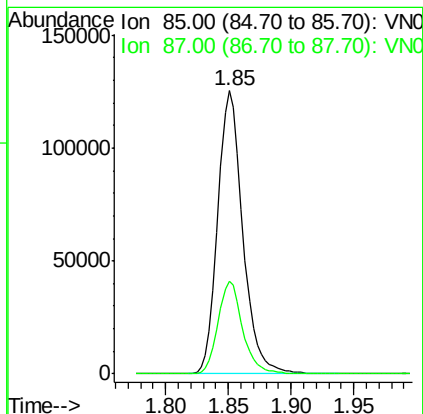
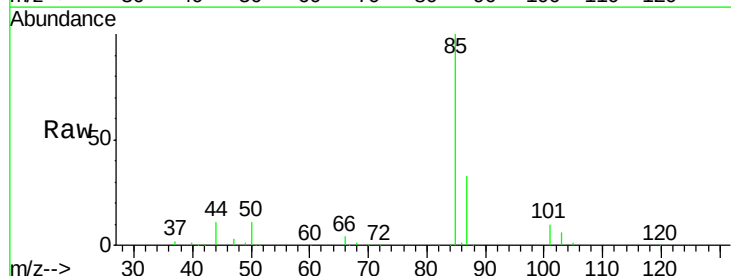
RT: 1.85 min Scan# 24

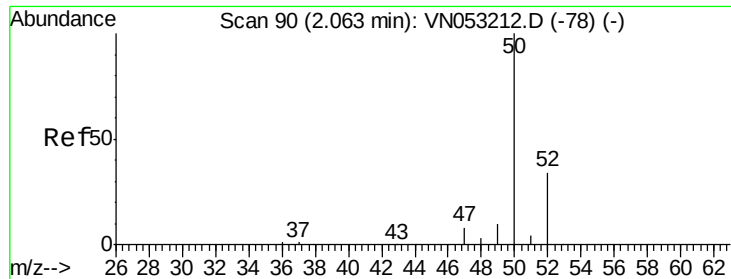
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	85	Resp:	173968
Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3





#3

Chloromethane

Concen: 17.954 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 196354

Ion Ratio Lower Upper

50 100

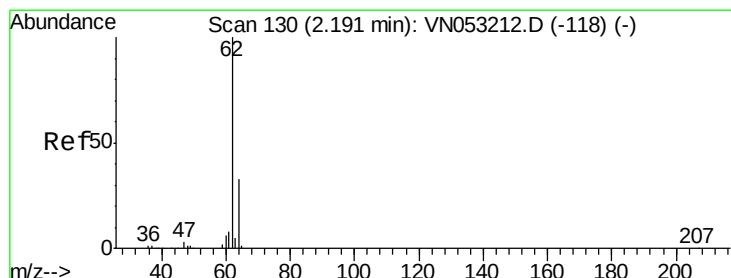
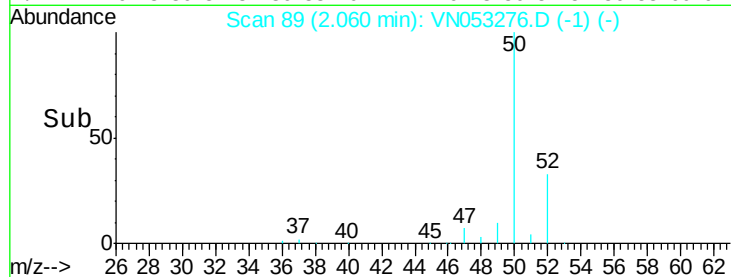
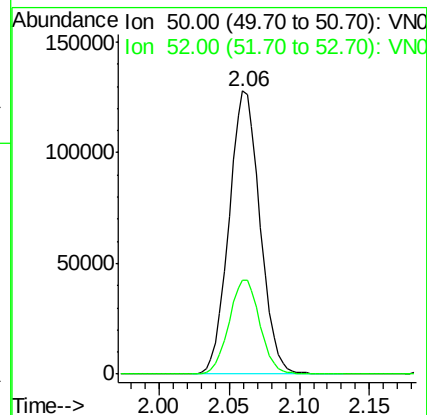
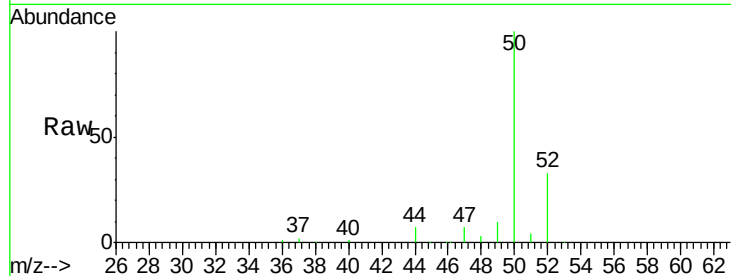
52 33.1 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

1/7/2019 11:09:52 AM



#4

Vinyl Chloride

Concen: 17.286 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053276.D

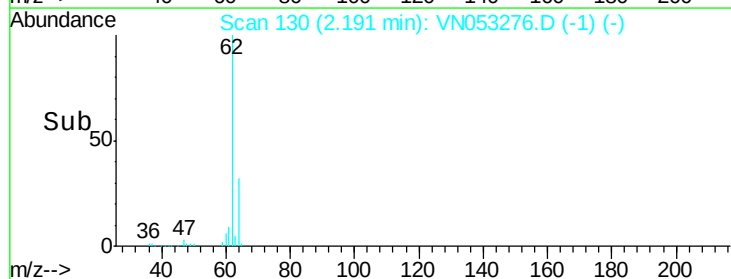
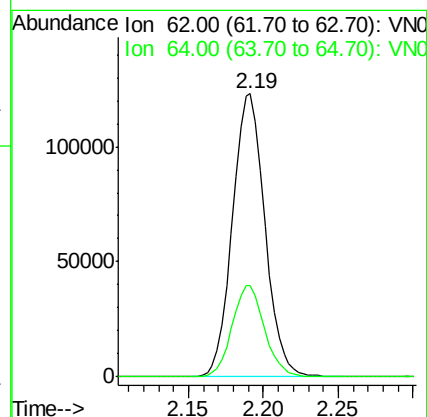
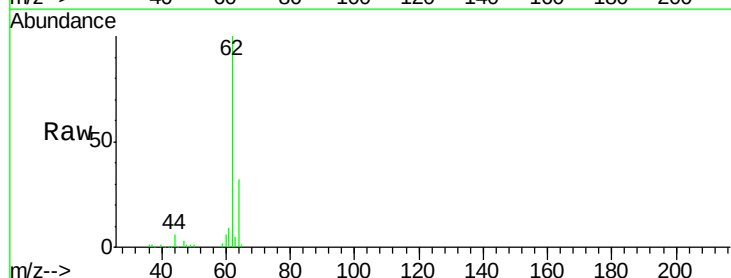
Acq: 4 Jan 2019 8:55

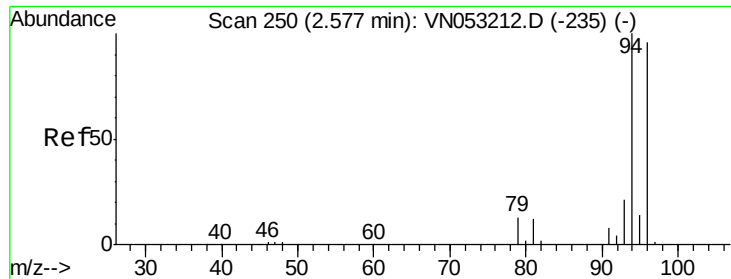
Tgt Ion: 62 Resp: 186027

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 17.783 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 123391

Ion Ratio Lower Upper

94 100

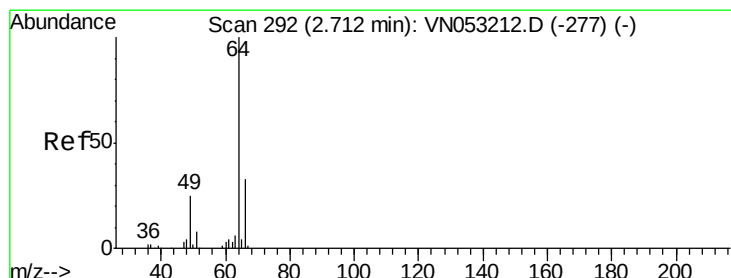
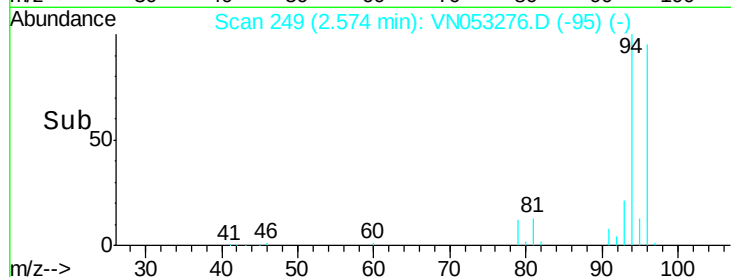
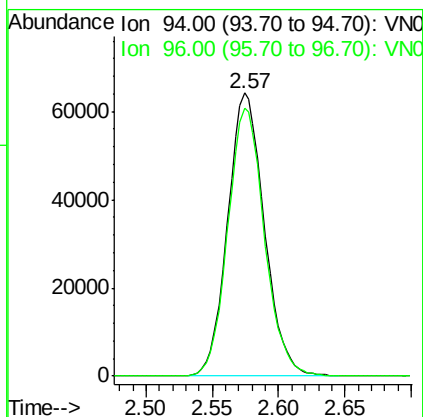
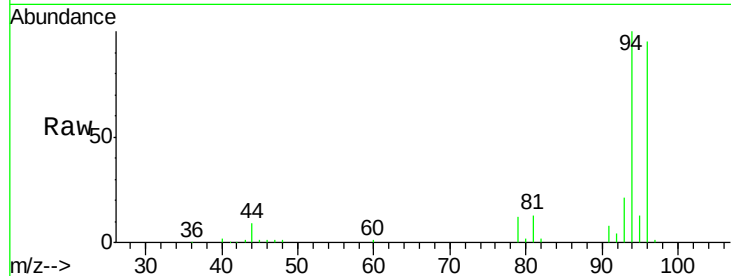
96 94.7 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

1/7/2019 11:09:52 AM



#6

Chloroethane

Concen: 17.545 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053276.D

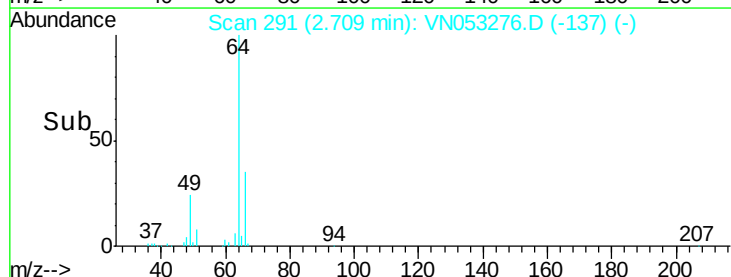
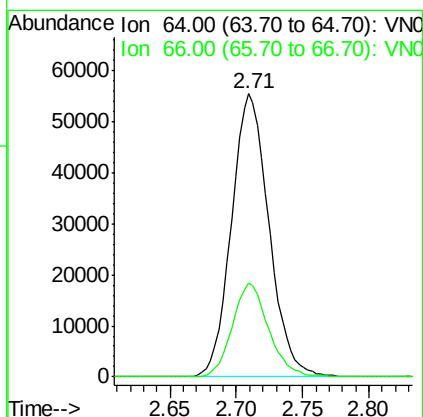
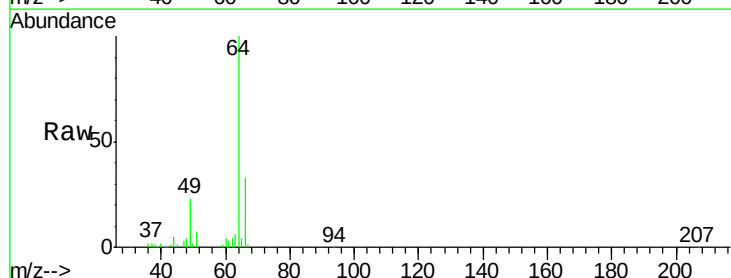
Acq: 4 Jan 2019 8:55

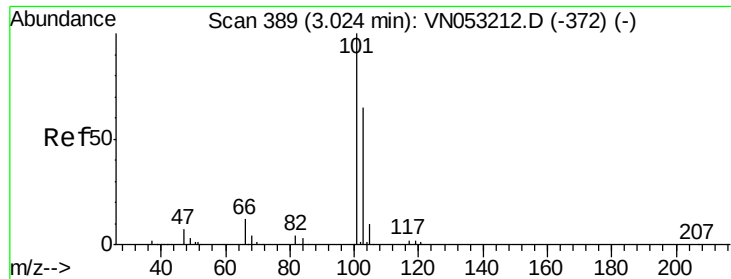
Tgt Ion: 64 Resp: 108769

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4





#7

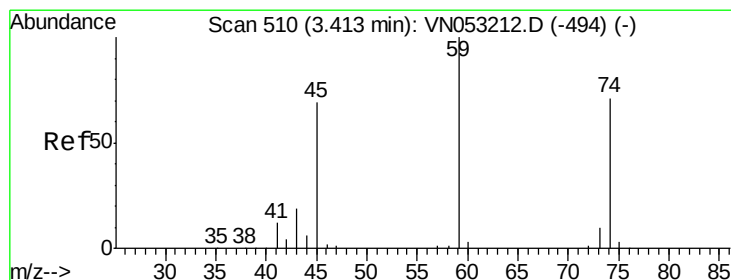
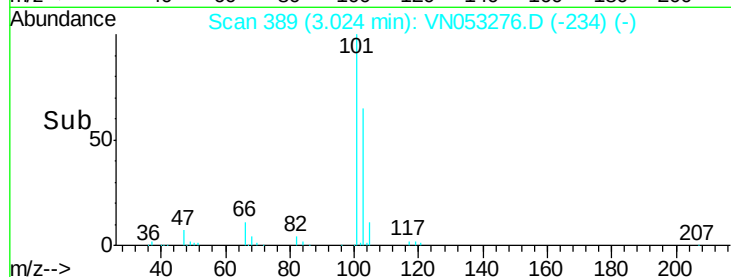
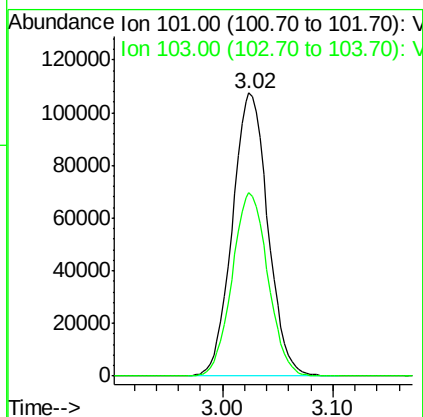
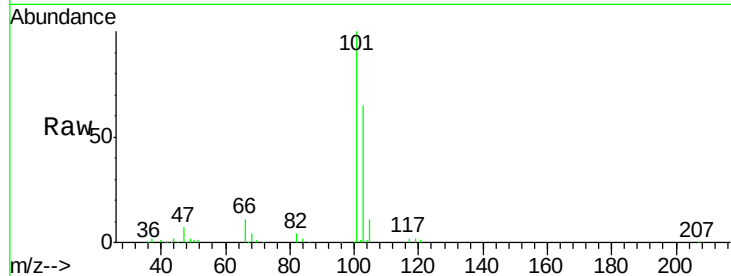
Trichlorofluoromethane
Concen: 18.026 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		239576		
103	64.8	52.1	78.1		

Manual Integrations
APPROVED

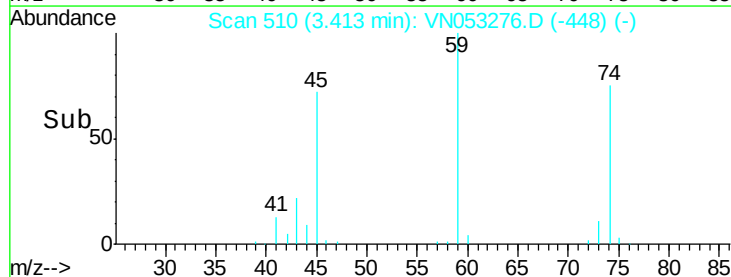
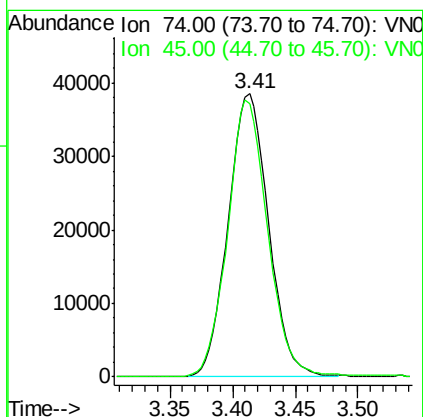
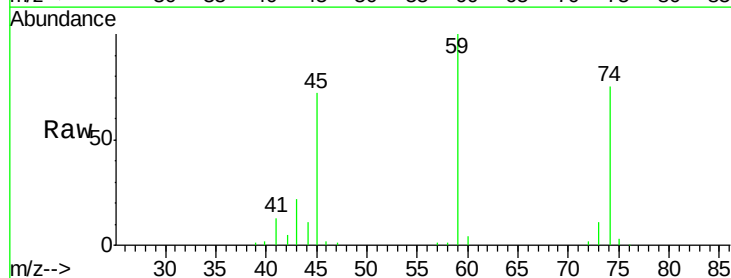
MMDadoda
1/7/2019 11:09:52 AM

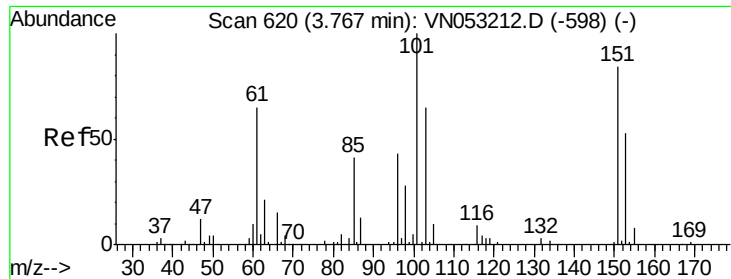


#8

Diethyl Ether
Concen: 17.468 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		86252		
45	96.5	20.6	185.8		





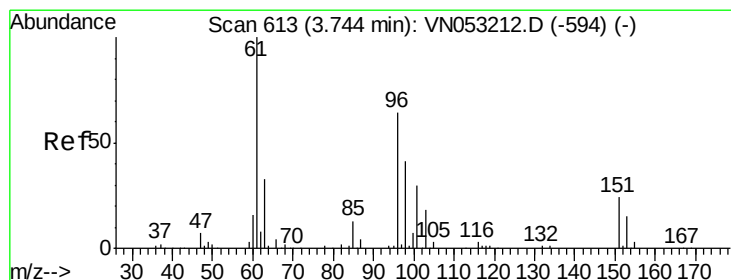
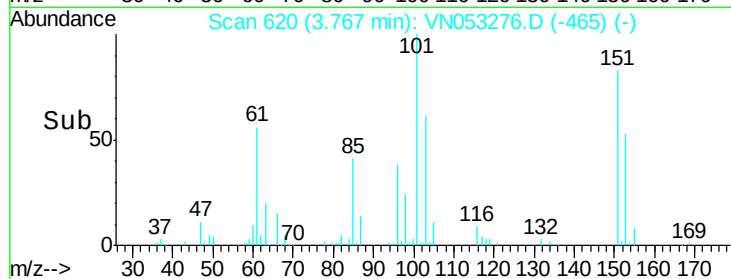
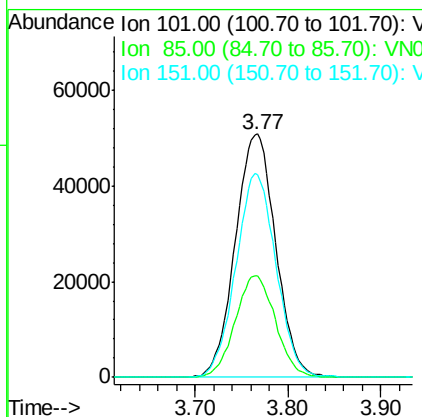
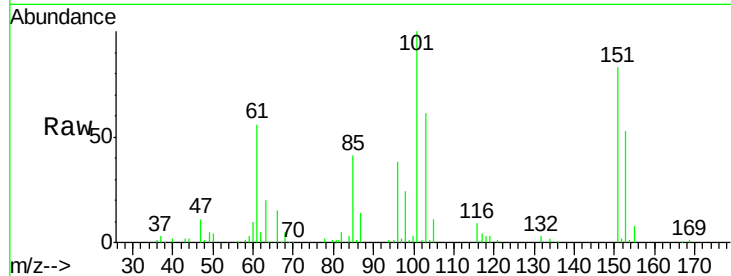
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.403 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	41.6	0.0	82.6
151	83.4	0.0	158.4

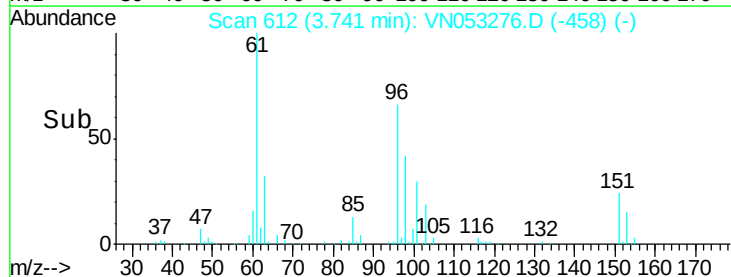
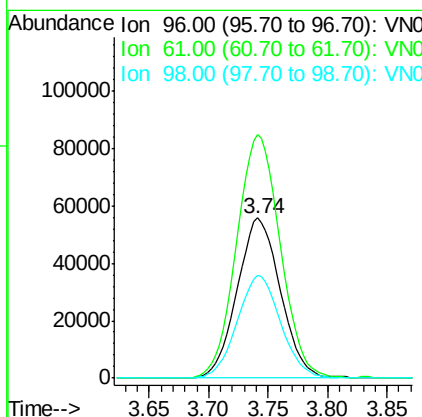
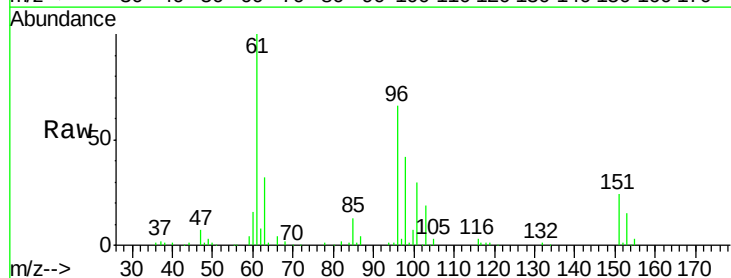
Manual Integrations
 APPROVED

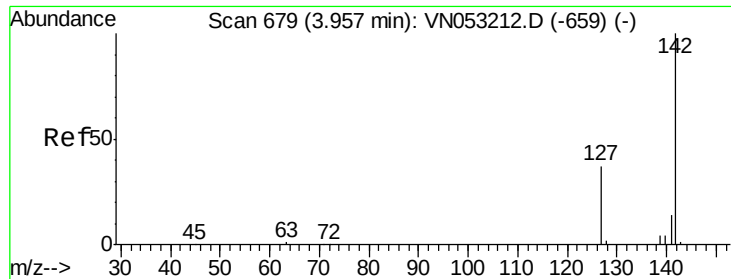
MMDadoda
 1/7/2019 11:09:52 AM



#10
 1,1-Dichloroethene
 Concen: 17.235 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	152.1	129.4	194.2
98	64.3	50.4	75.6





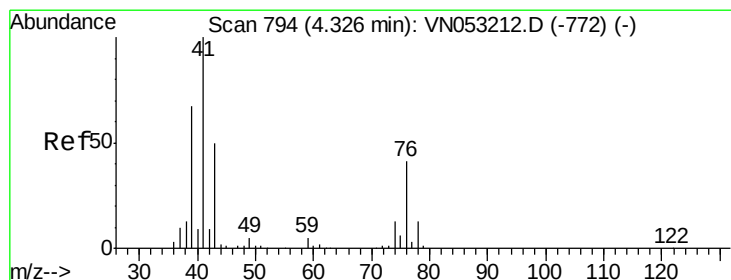
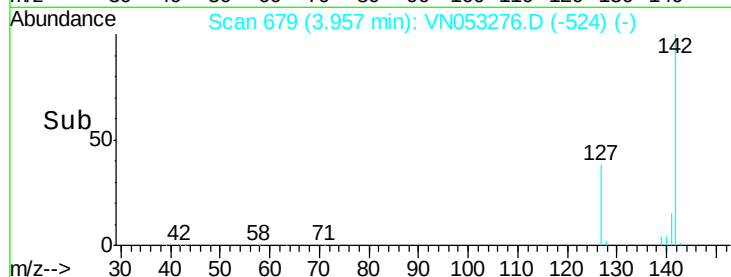
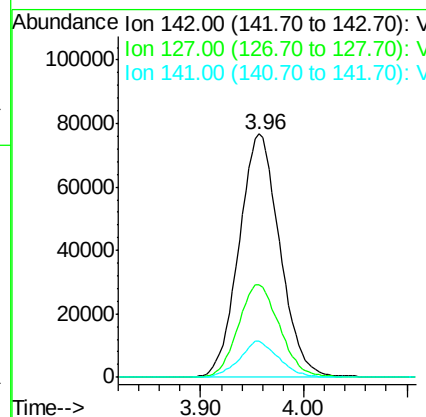
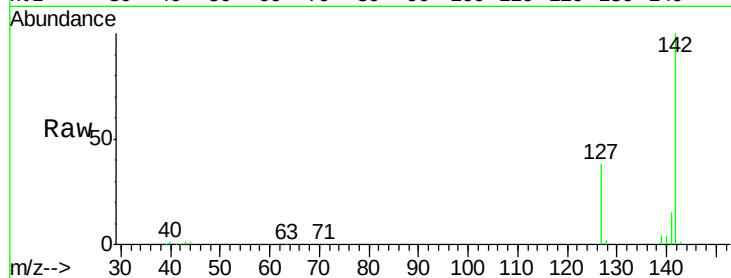
#11
Methvl Iodide
Concen: 17.669 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.4	58.1
141	14.8	7.2	21.6

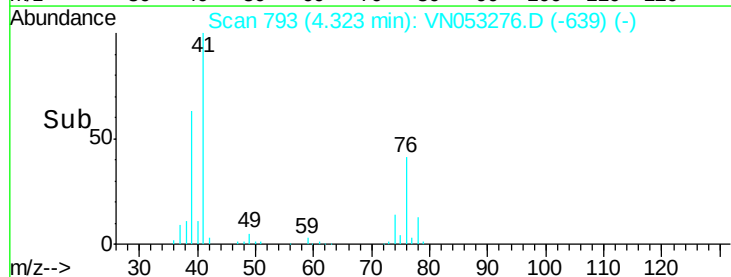
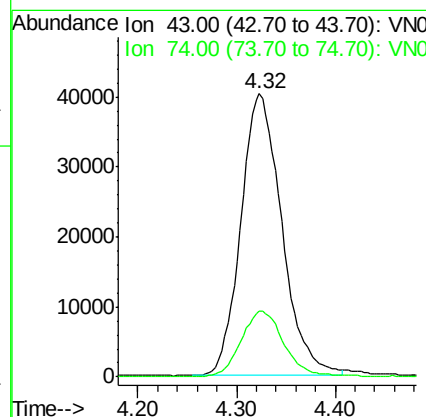
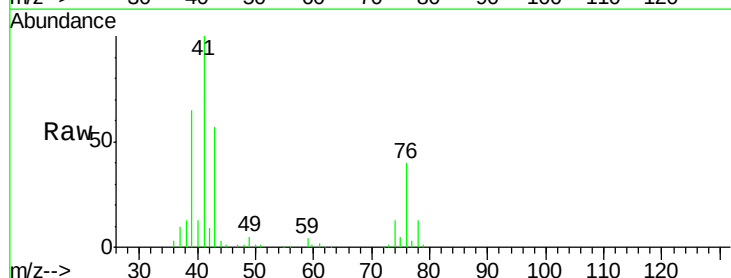
Manual Integrations
APPROVED

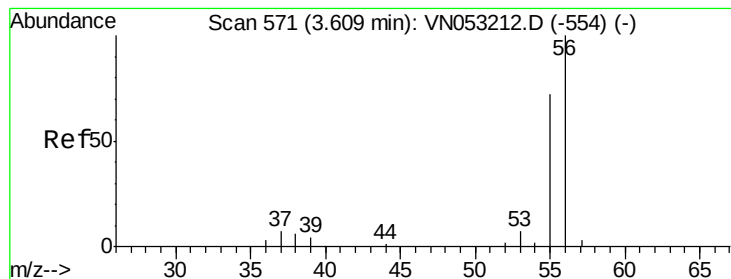
MMDadoda
1/7/2019 11:09:52 AM



#12
Methyl Acetate
Concen: 18.271 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#13

Acrolein

Concen: 100.620 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 76301

Ion Ratio Lower Upper

56 100

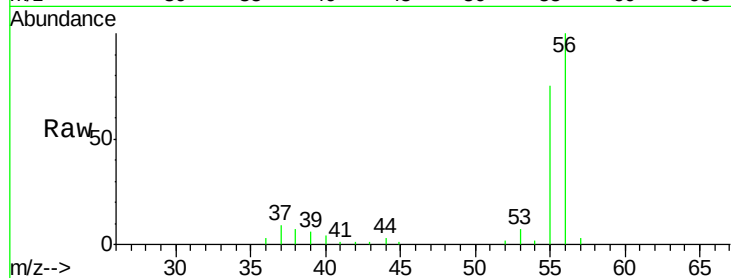
55 72.4 56.7 85.1

Manual Integrations

APPROVED

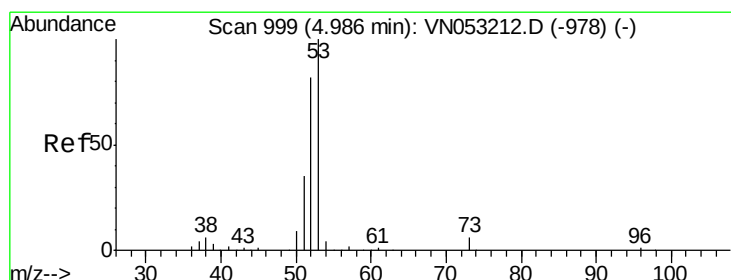
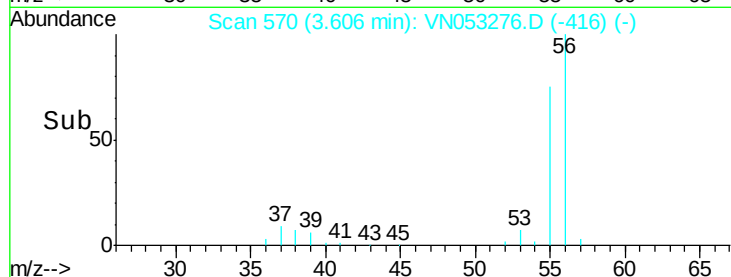
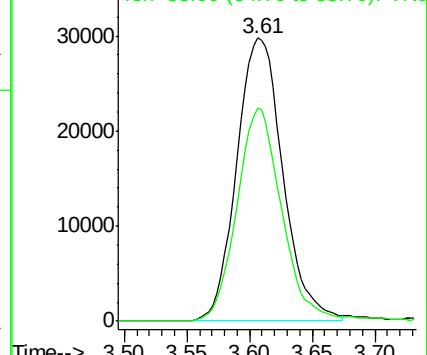
MMDadoda

1/7/2019 11:09:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 93.060 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

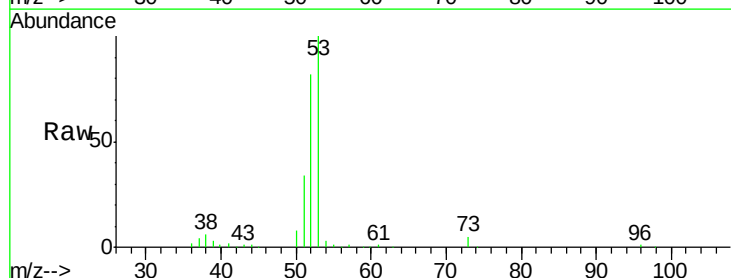
Tgt Ion: 53 Resp: 264420

Ion Ratio Lower Upper

53 100

52 80.2 39.9 119.7

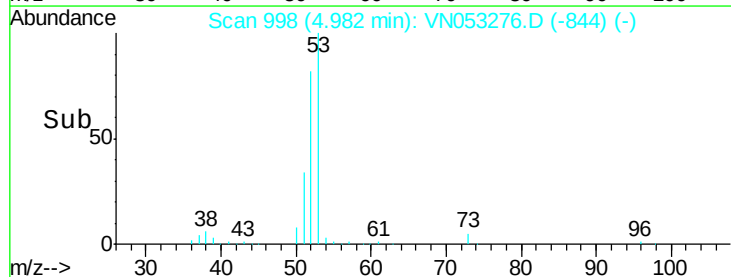
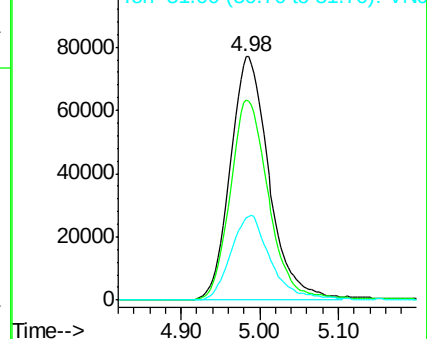
51 35.3 17.6 52.9

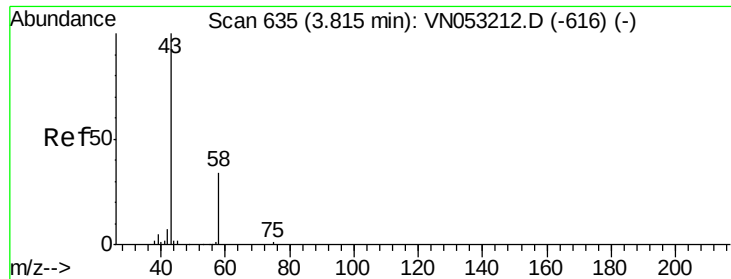


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 123.089 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 74330

Ion Ratio Lower Upper

58 100

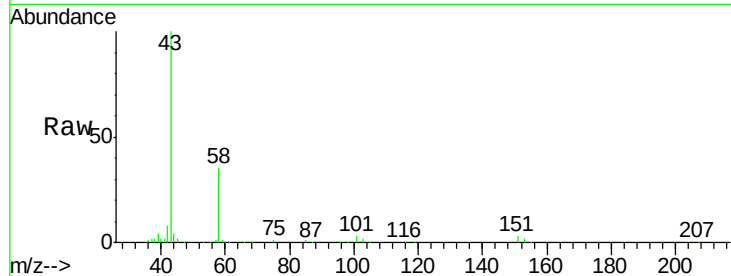
43 286.4 243.6 365.4

Manual Integrations

APPROVED

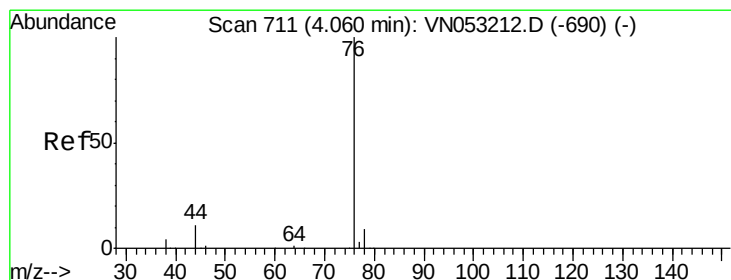
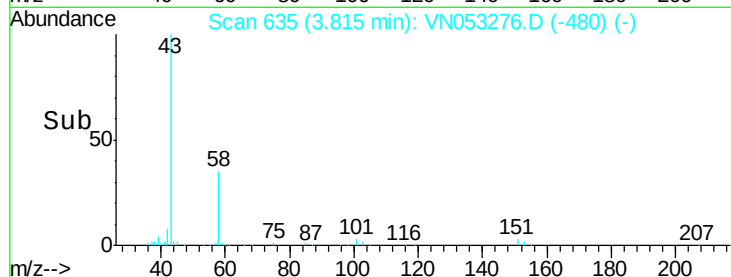
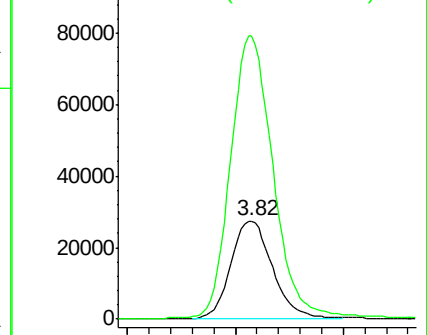
MMDadoda

1/7/2019 11:09:52 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.167 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053276.D

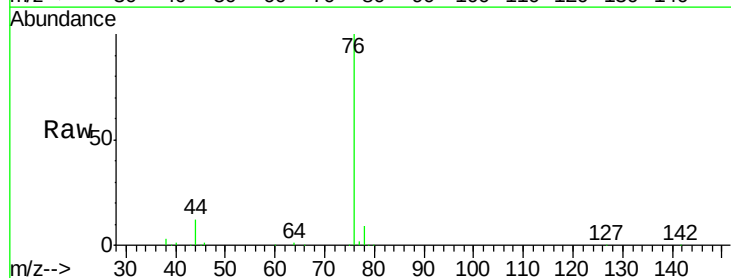
Acq: 4 Jan 2019 8:55

Tgt Ion: 76 Resp: 430344

Ion Ratio Lower Upper

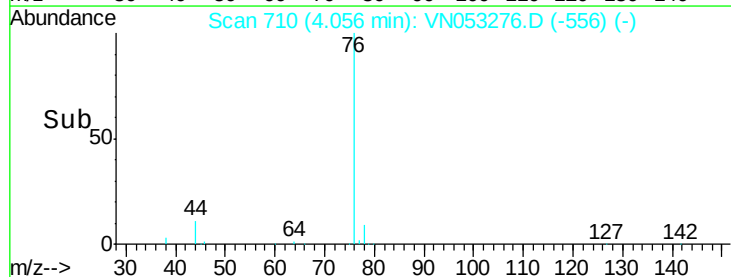
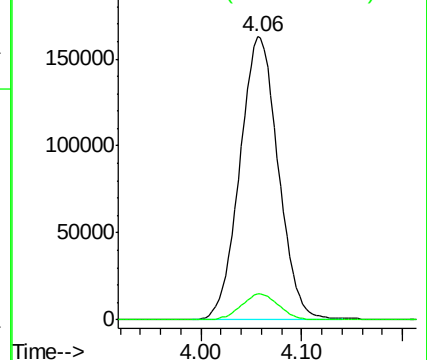
76 100

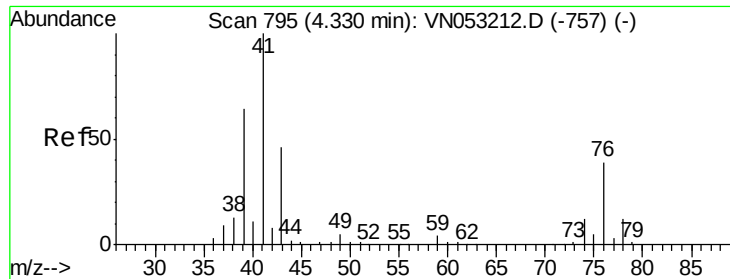
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





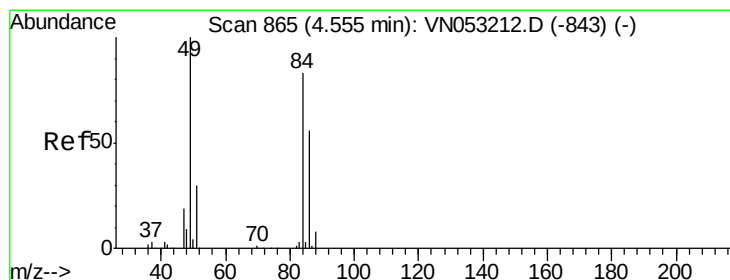
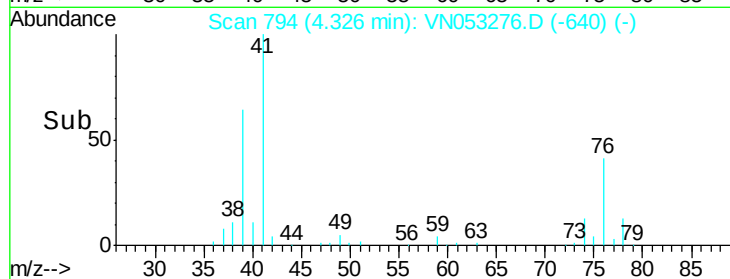
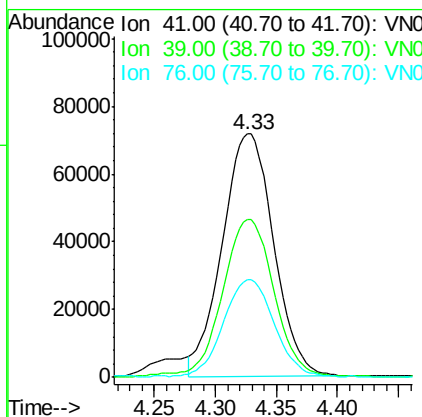
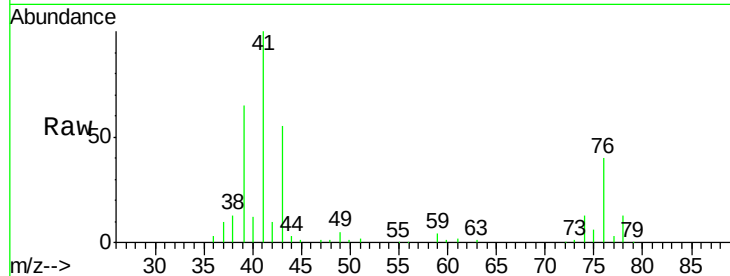
#17
Allvl chloride
Concen: 16.300 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	208951		
39	64.9		32.8	98.3
76	40.1		18.6	55.8

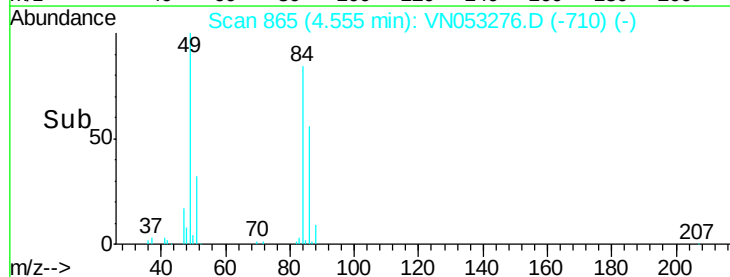
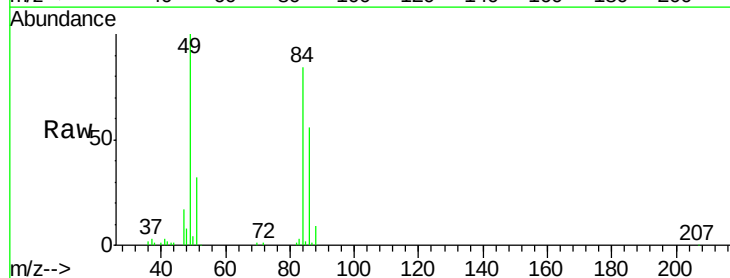
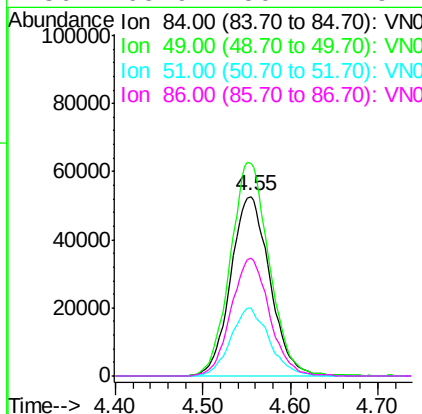
Manual Integrations
APPROVED

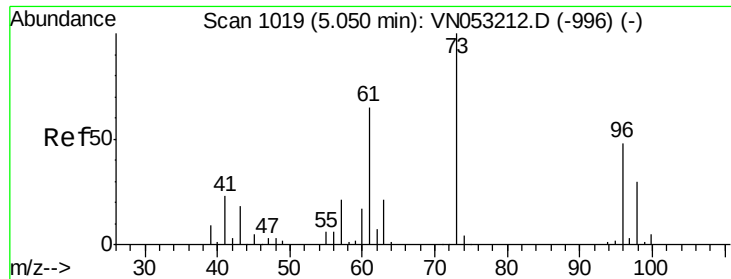
MMDadoda
1/7/2019 11:09:52 AM



#18
Methylene Chloride
Concen: 17.558 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	163746		
49	118.1		101.4	152.0
51	37.6		31.7	47.5
86	65.9		50.1	75.1





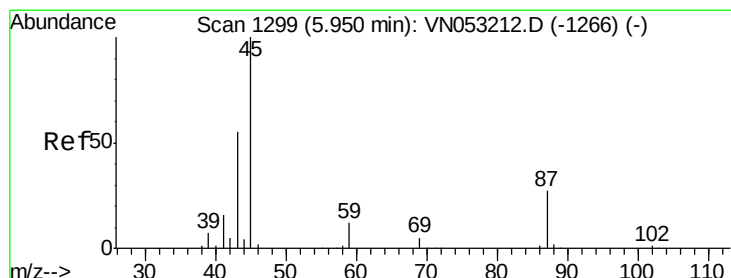
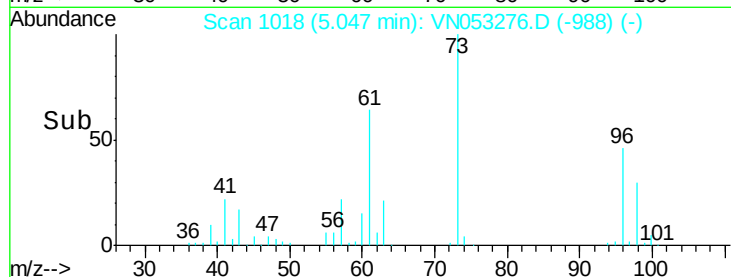
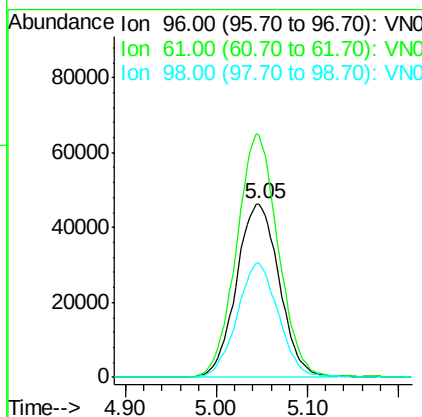
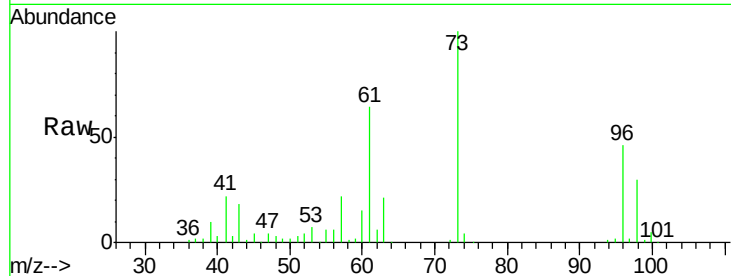
#19
trans-1,2-Dichloroethene
Concen: 17.555 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	118.2	177.4
98	65.7	51.4	77.2

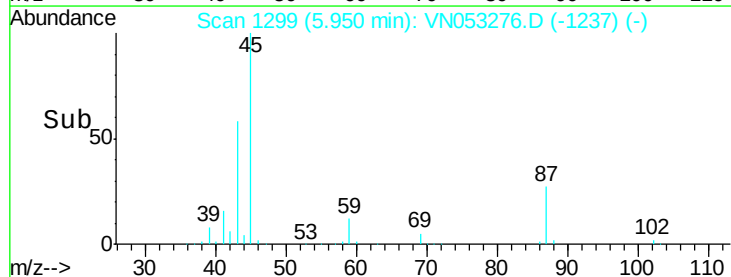
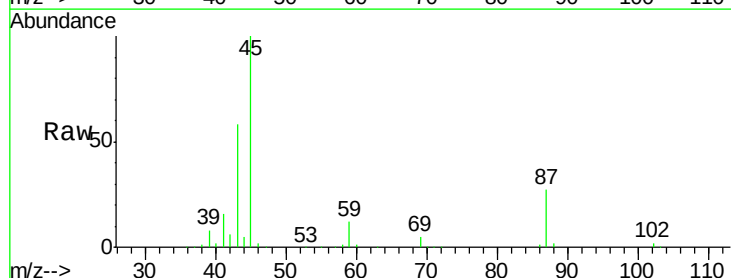
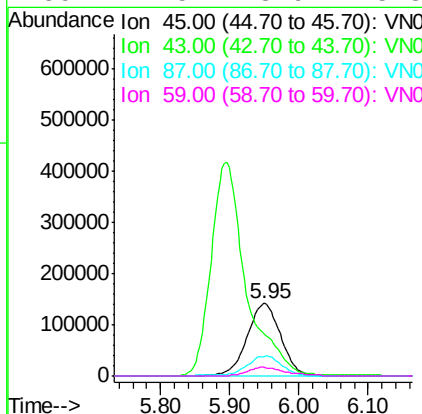
Manual Integrations
APPROVED

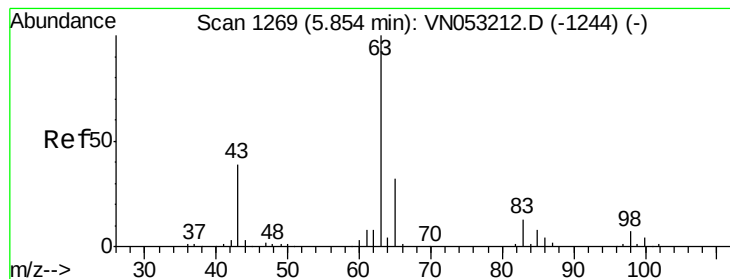
MMDadoda
1/7/2019 11:09:52 AM



#20
Diisopropyl ether
Concen: 17.393 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	47.8	71.8
87	27.4	21.3	31.9
59	11.5	8.9	13.3





#21

1,1-Dichloroethane

Concen: 17.504 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

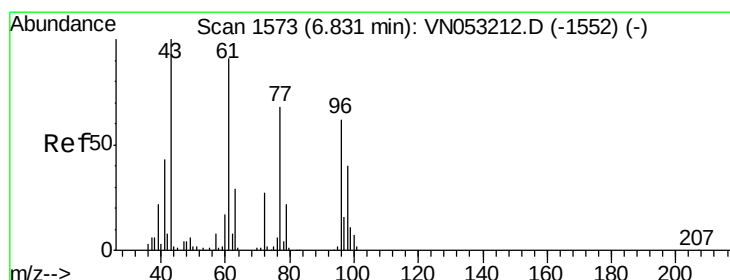
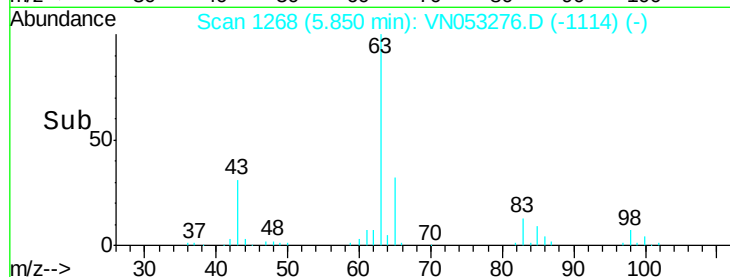
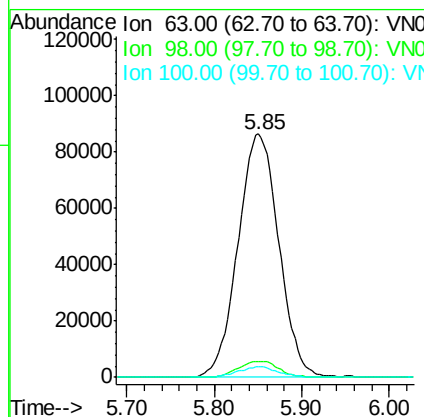
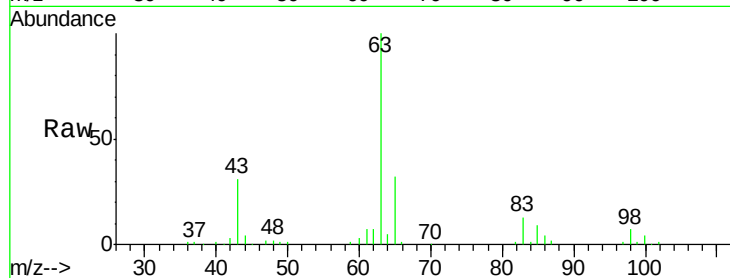
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	279801
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.0	9.2
100	4.4	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#22

cis-1,2-Dichloroethene

Concen: 17.444 ug/l

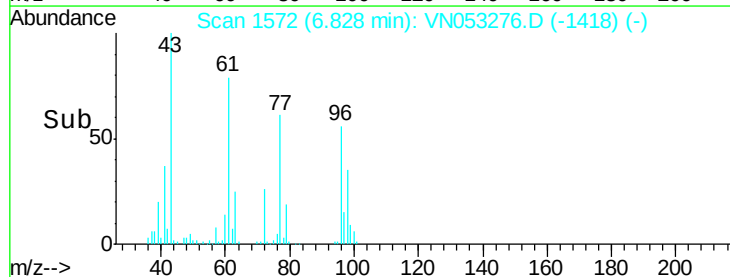
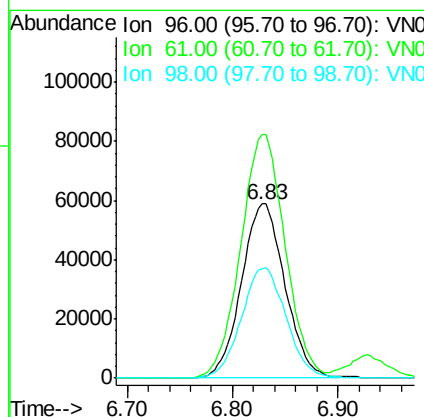
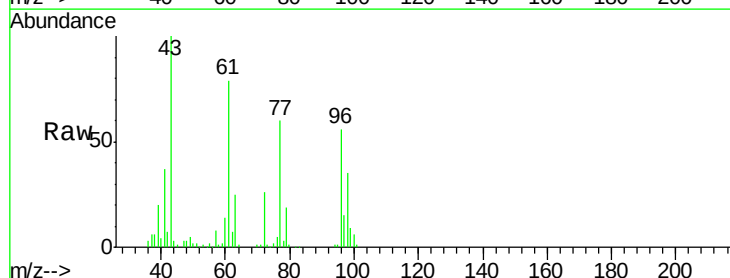
RT: 6.83 min Scan# 1572

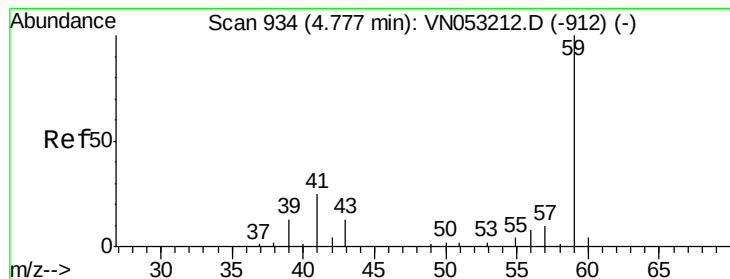
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	96	Resp:	169225
Ion Ratio	Lower	Upper	
96	100		
61	142.5	116.7	175.1
98	65.0	50.8	76.2





#23

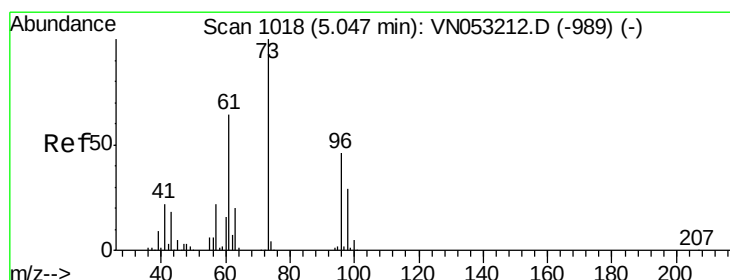
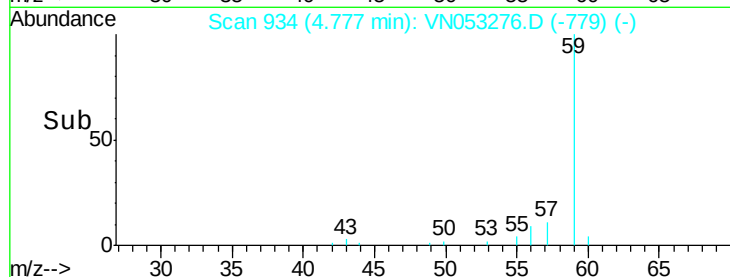
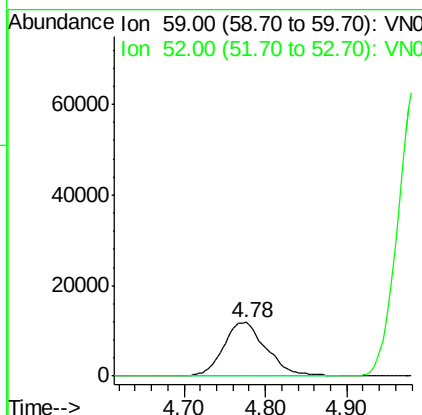
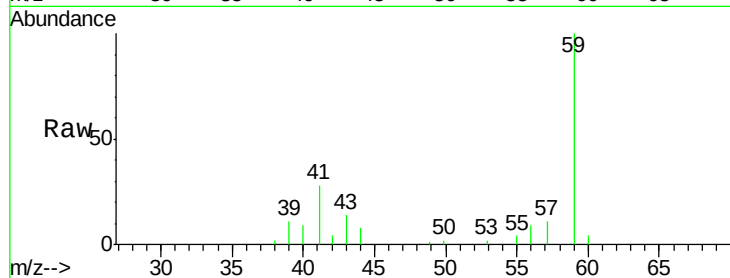
tert-Butyl Alcohol
Concen: 91.434 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	43796		
52	52	0.0	0.0	0.0	0.0

Manual Integrations
APPROVED

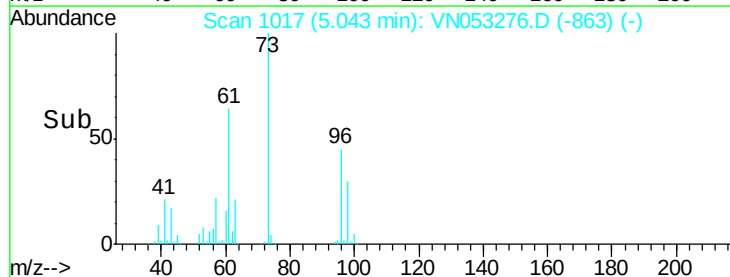
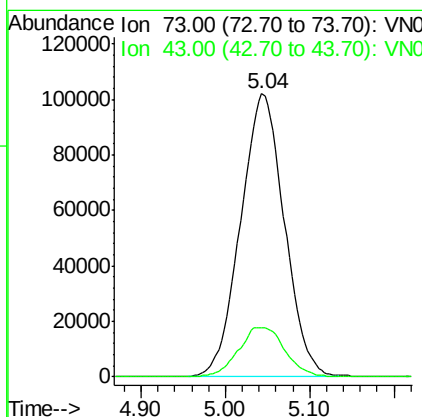
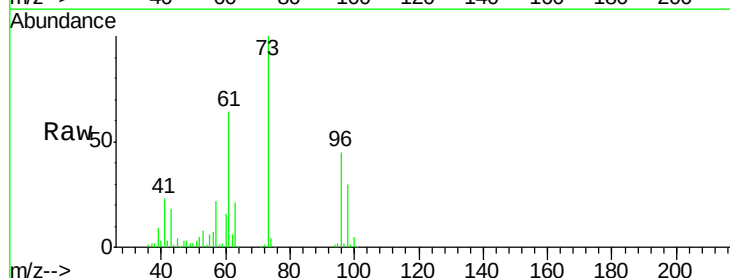
MMDadoda
1/7/2019 11:09:52 AM

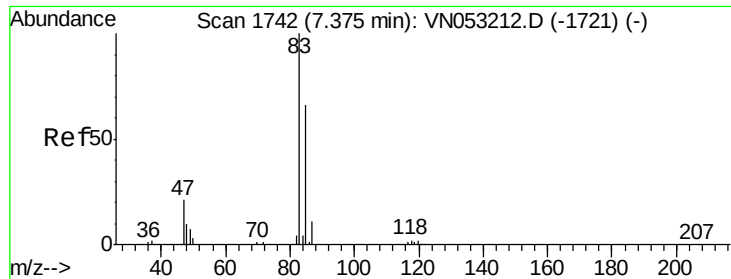


#24

Methyl tert-Butyl Ether
Concen: 17.321 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	368058		
43	43	18.0	15.8	23.8	





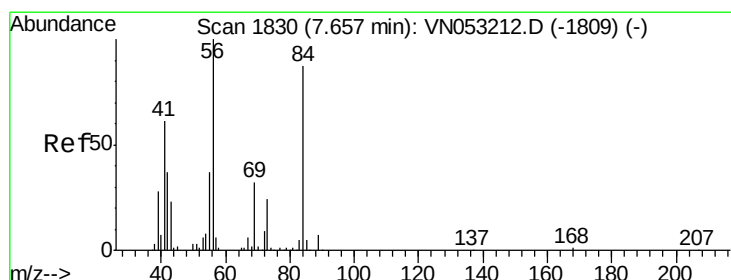
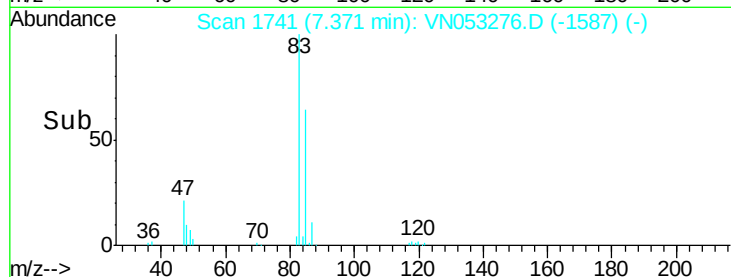
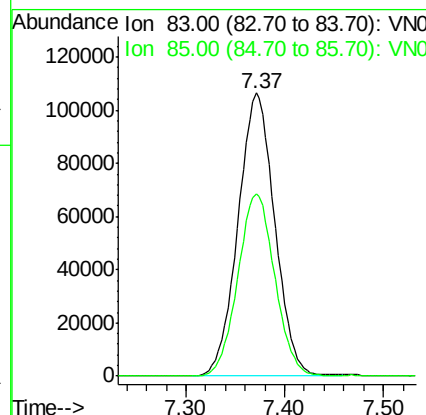
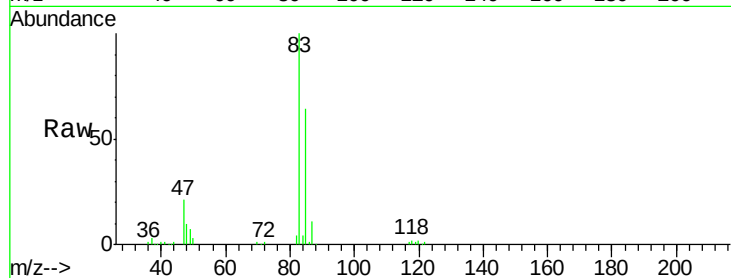
#25
Chloroform
Concen: 17.912 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	275215
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.7	77.5

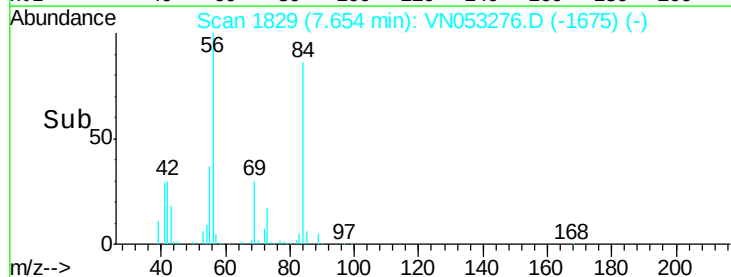
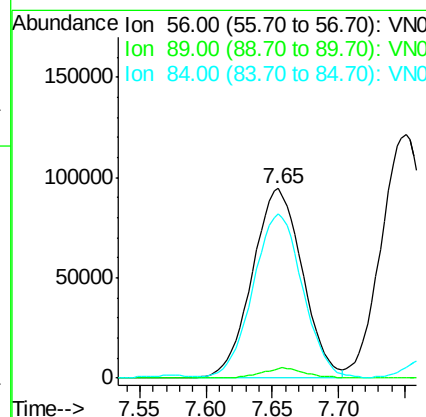
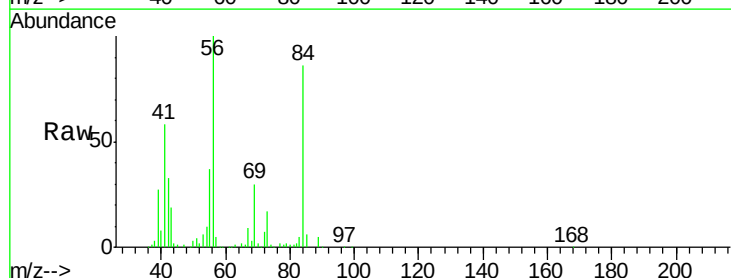
Manual Integrations
APPROVED

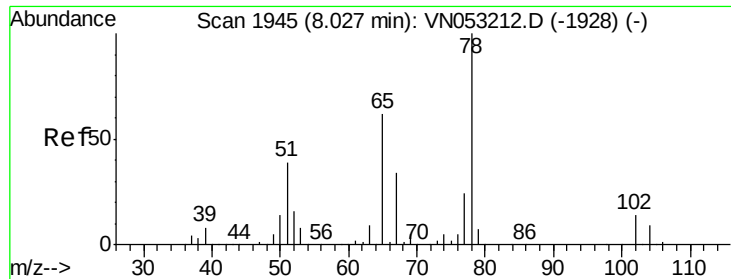
MMDadoda
1/7/2019 11:09:52 AM



#26
Cyclohexane
Concen: 16.771 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	56	Resp	250043
Ion Ratio	100	Lower	Upper
56	100		
89	4.7	0.5	0.7#
84	85.8	66.2	99.2





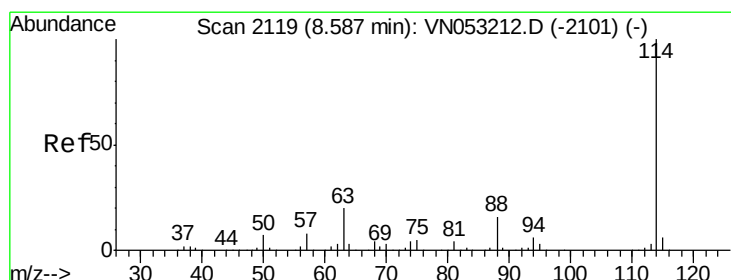
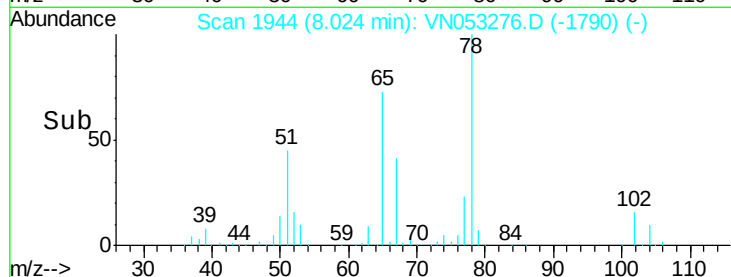
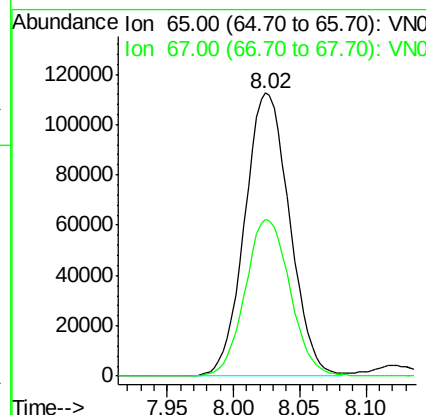
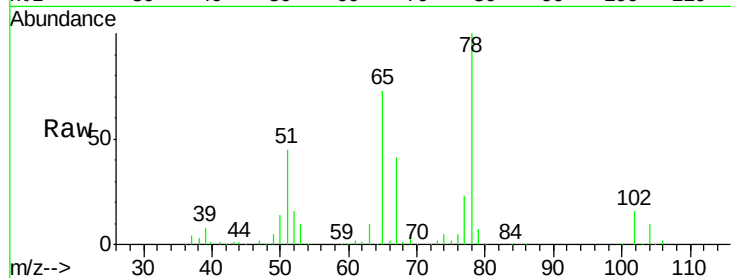
#27
 1,2-Dichloroethane-d4
 Concen: 16.771 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	44.6	66.8

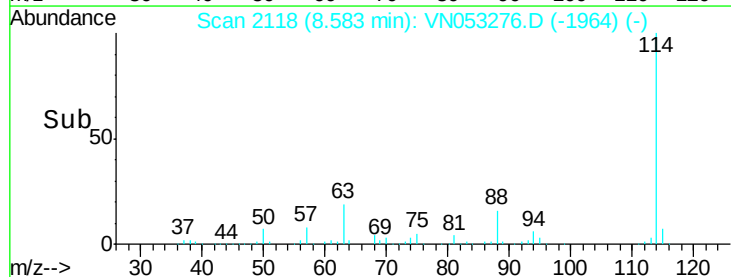
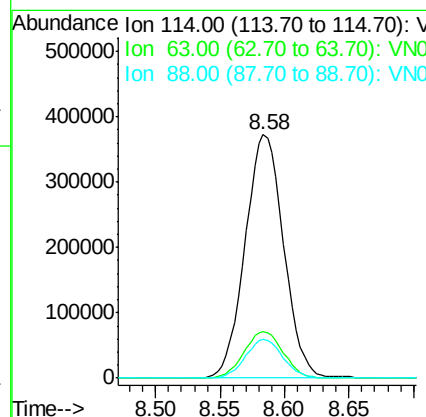
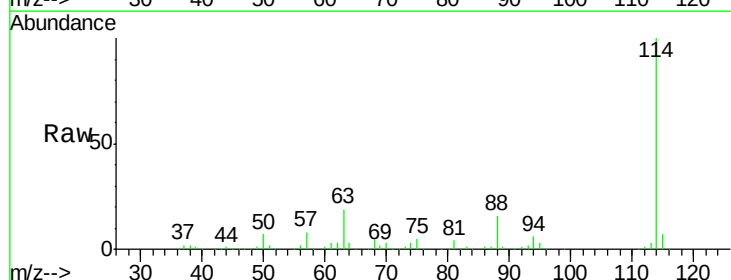
Manual Integrations
 APPROVED

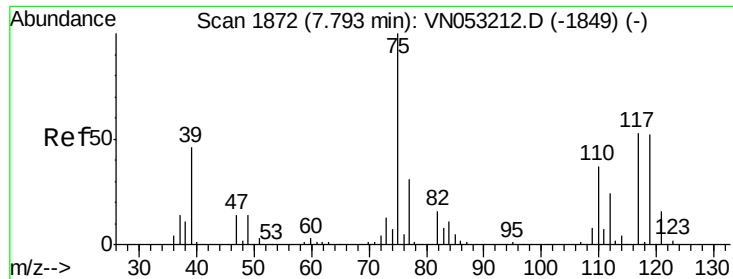
MMDadoda
 1/7/2019 11:09:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.9	25.3
88	15.4	12.8	19.2





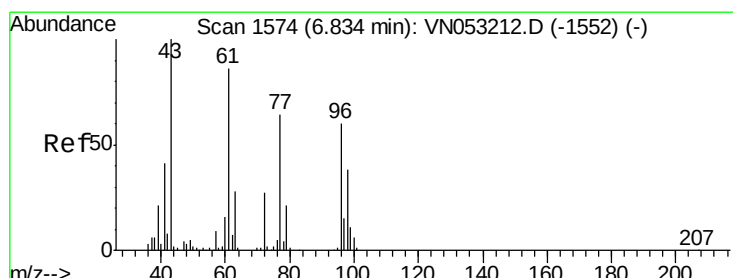
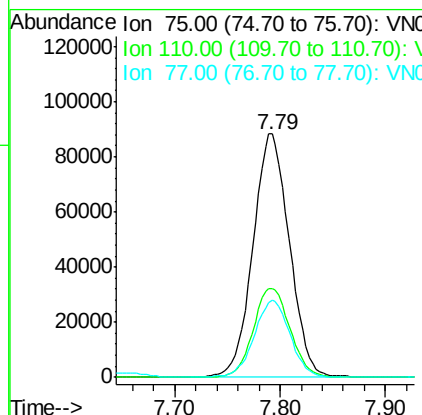
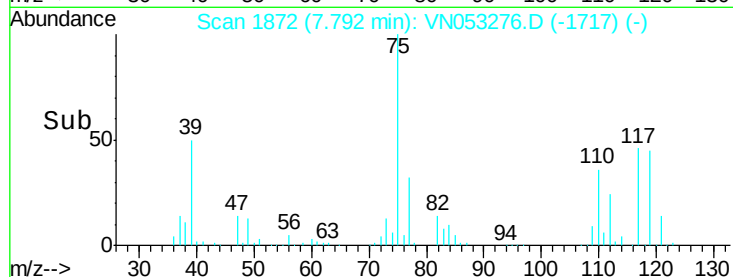
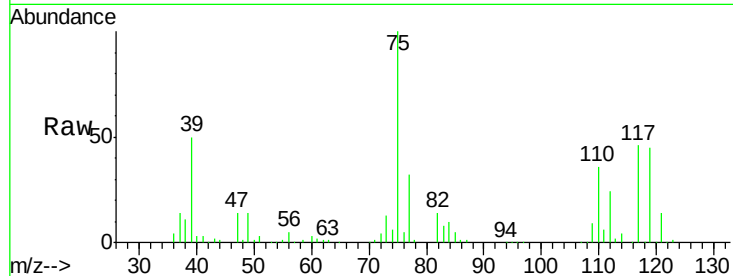
#29
 1,1-Dichloropropene
 Concen: 18.122 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.6	0.0	70.2
77	31.1	0.0	62.6

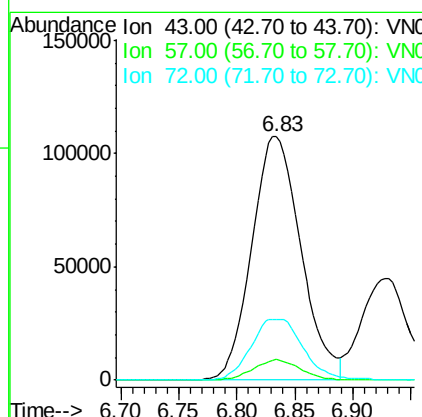
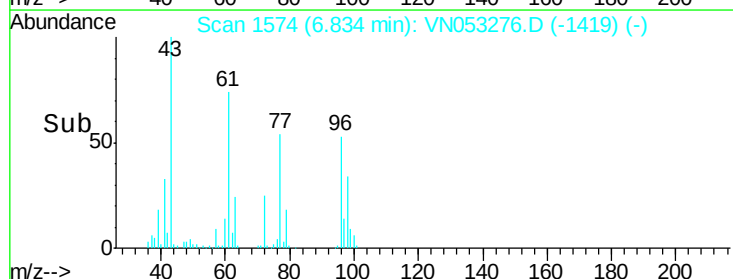
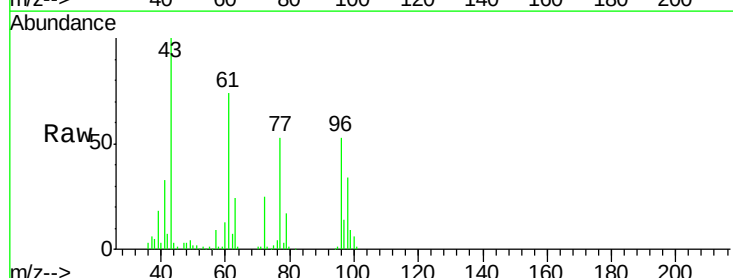
Manual Integrations
 APPROVED

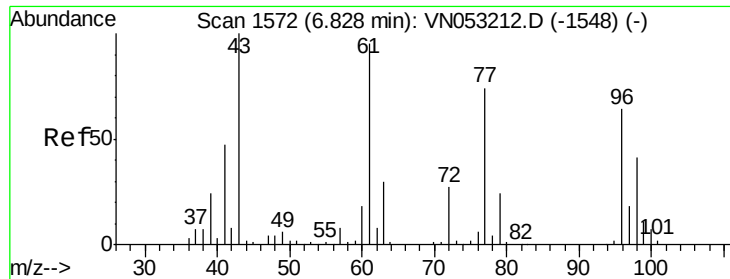
MMDadoda
 1/7/2019 11:09:52 AM



#30
 2-Butanone
 Concen: 107.593 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	13.7	21.0	31.6#





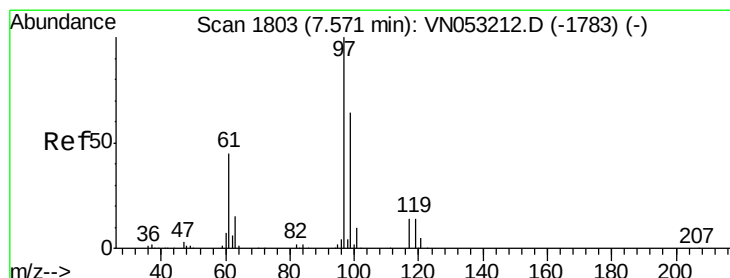
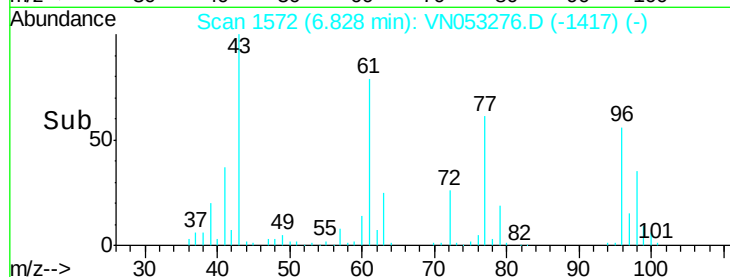
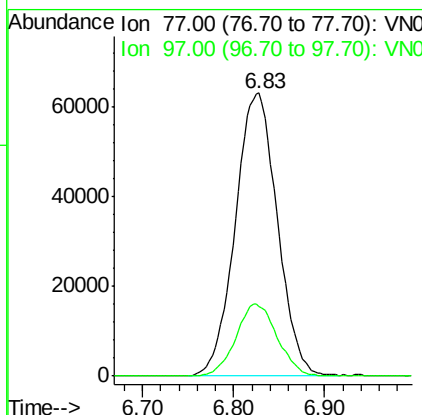
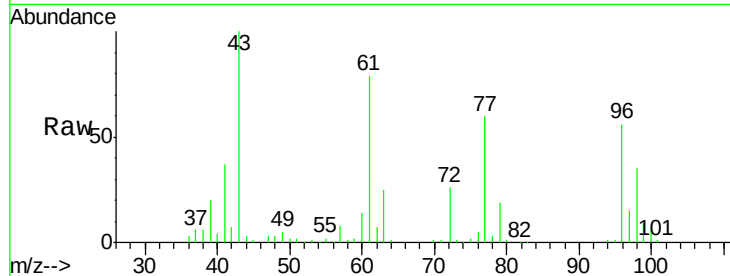
#31
 2,2-Dichloropropane
 Concen: 17.827 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 202844
 Ion Ratio Lower Upper
 77 100
 97 25.0 18.7 28.1

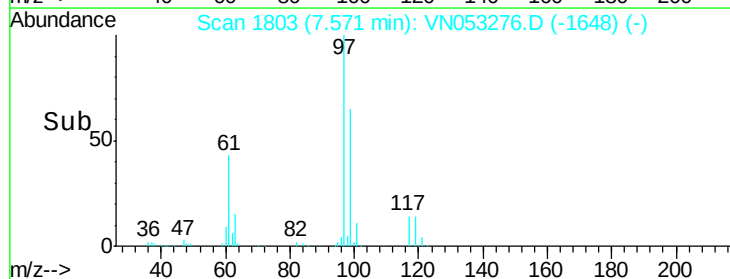
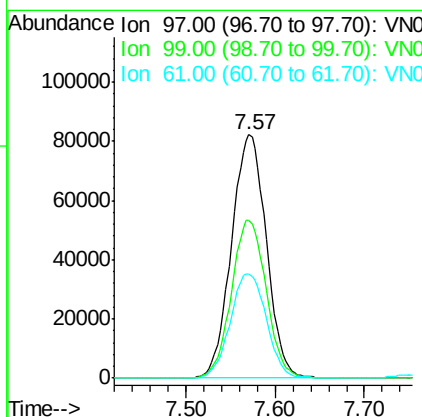
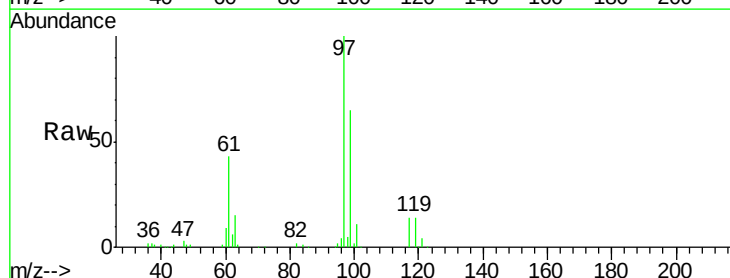
Manual Integrations
 APPROVED

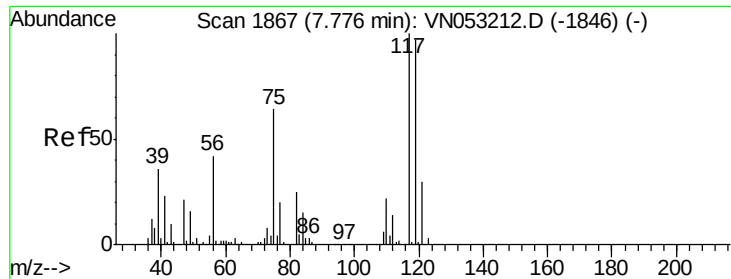
MMDadoda
 1/7/2019 11:09:52 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.129 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion: 97 Resp: 223260
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 44.1 38.1 57.1





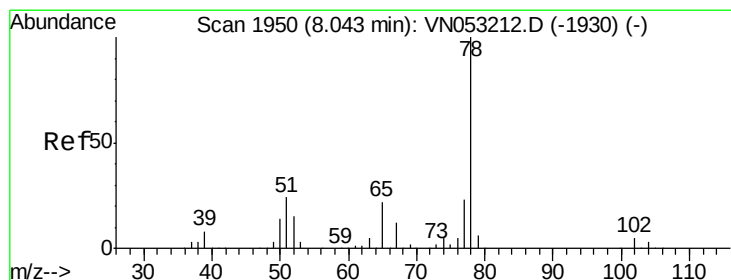
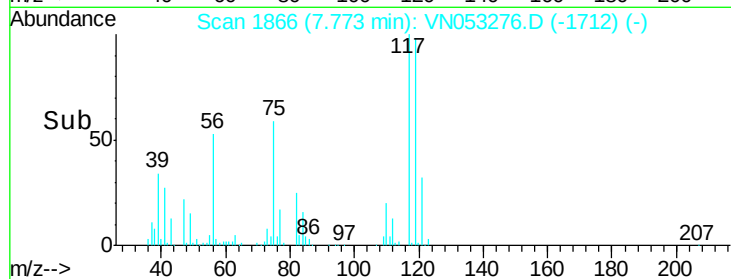
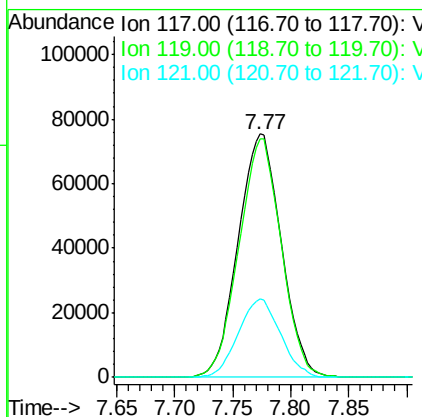
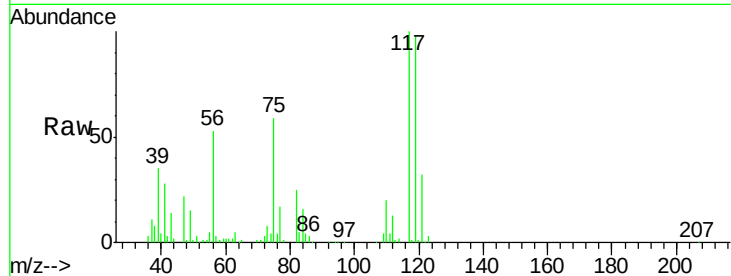
#33
Carbon Tetrachloride
Concen: 18.105 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.3	115.9
121	32.0	24.9	37.3

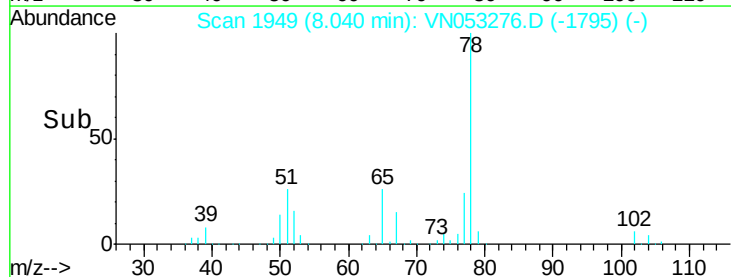
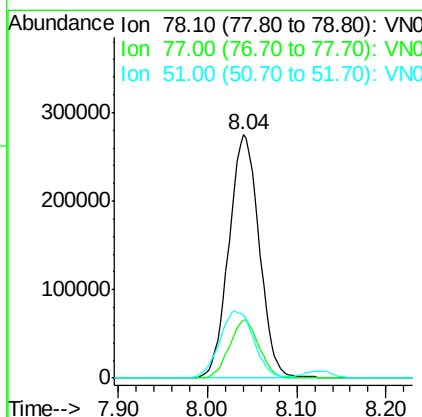
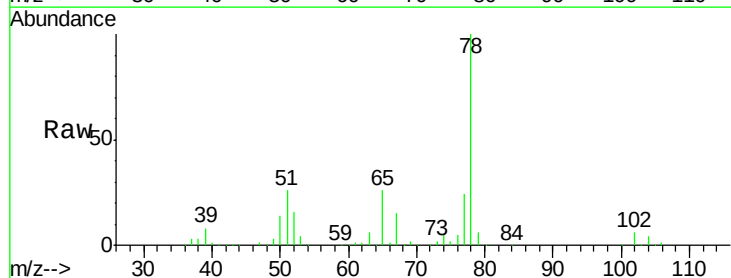
Manual Integrations
APPROVED

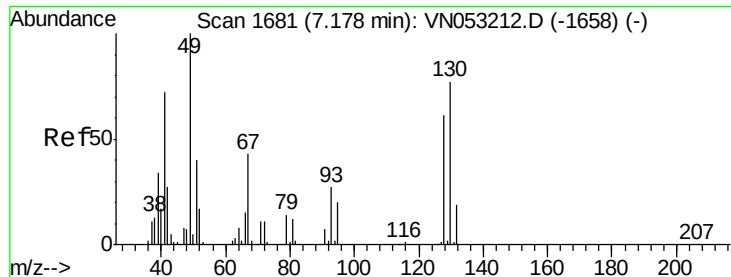
MMDadoda
1/7/2019 11:09:52 AM



#34
Benzene
Concen: 18.379 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6
51	25.7	20.5	30.7





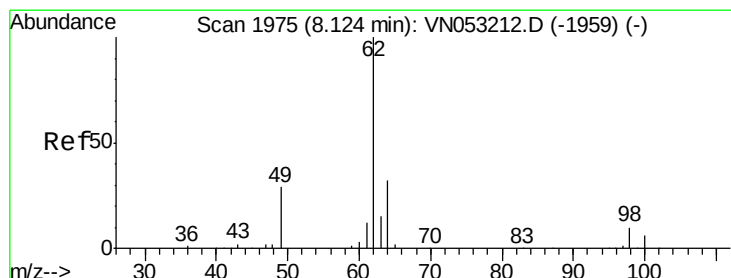
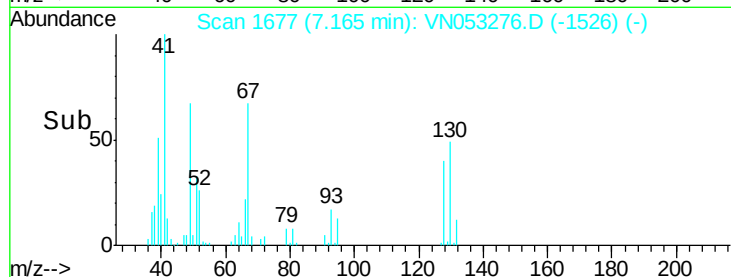
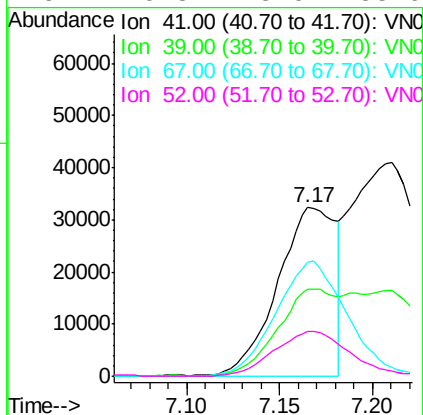
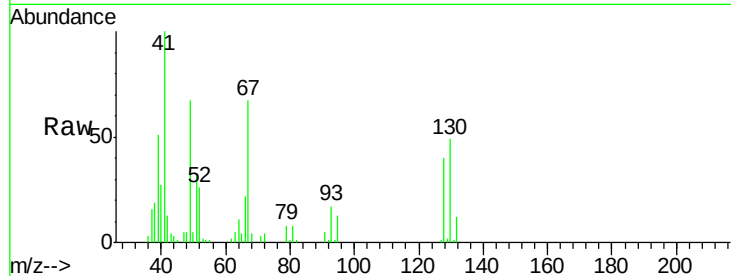
#35
Methacrylonitrile
Concen: 18.690 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	70723
Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.6	79.7
67	67.3	32.3	96.9
52	26.3	13.0	38.9

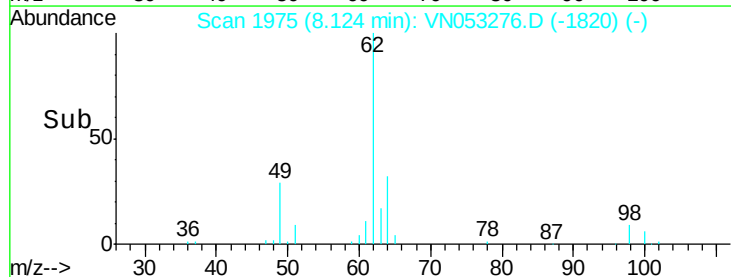
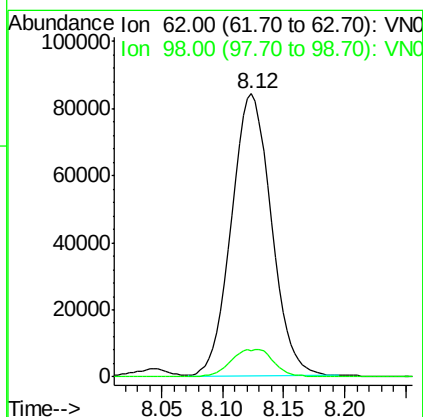
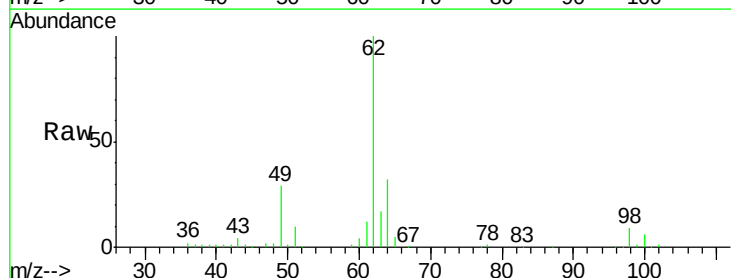
Manual Integrations
APPROVED

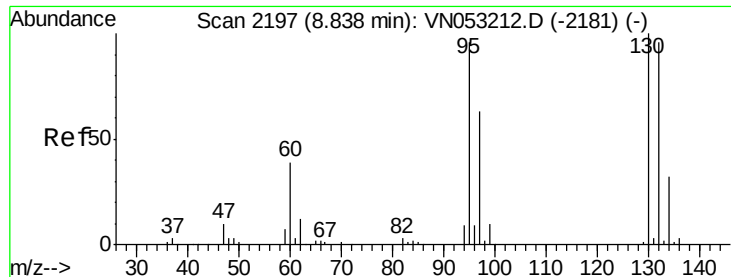
MMDadoda
1/7/2019 11:09:52 AM



#36
1,2-Dichloroethane
Concen: 18.665 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	62	Resp	191407
Ion	Ratio	Lower	Upper
62	100		
98	5.5	7.4	11.2#





#37

Trichloroethene

Concen: 18.655 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 178517

Ion Ratio Lower Upper

130 100

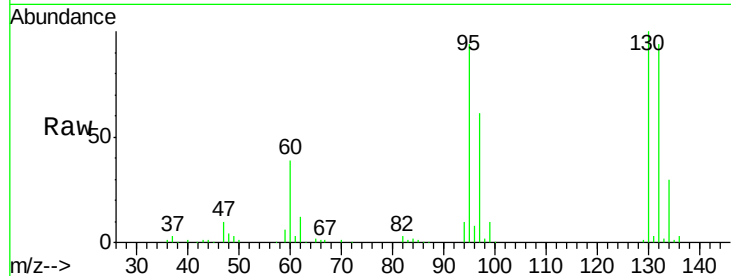
95 93.8 81.0 121.4

Manual Integrations

APPROVED

MMDadoda

1/7/2019 11:09:52 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

100000

80000

60000

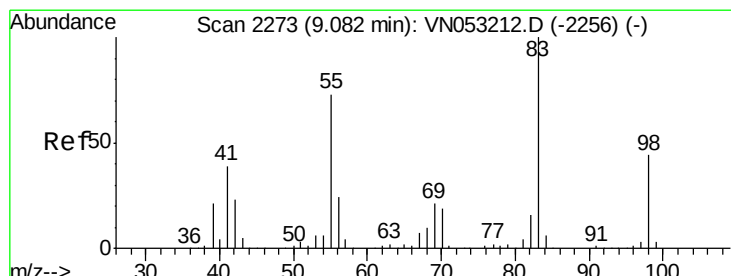
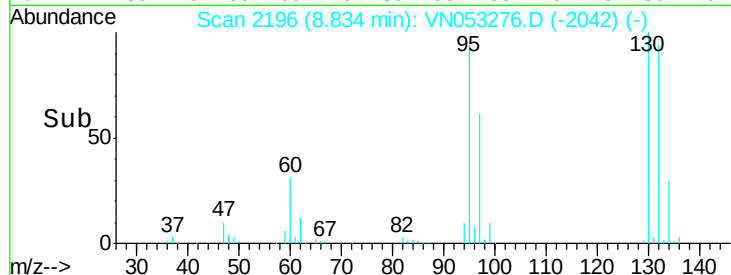
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 18.188 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

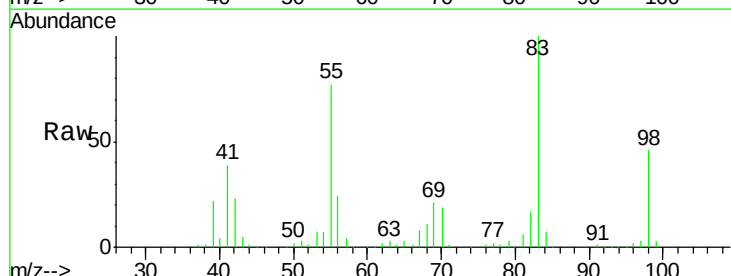
Tgt Ion: 83 Resp: 250045

Ion Ratio Lower Upper

83 100

55 75.4 39.8 119.4

98 45.6 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

150000

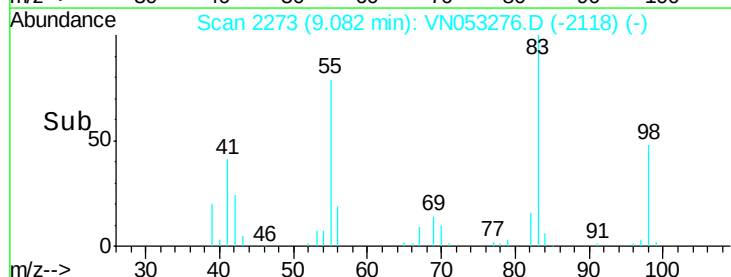
100000

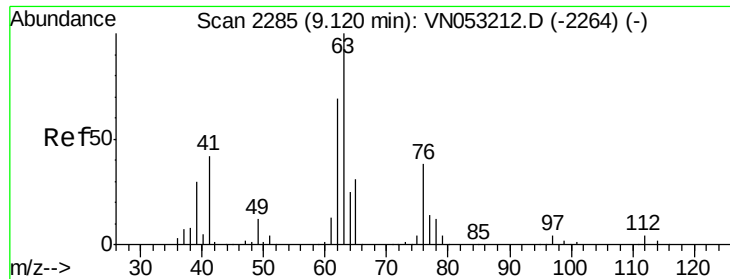
50000

0

9.00 9.05 9.10 9.15 9.20

Time-->





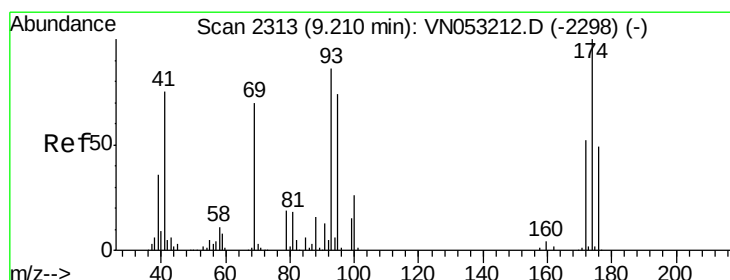
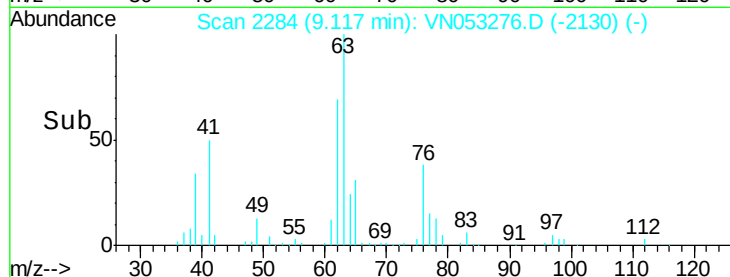
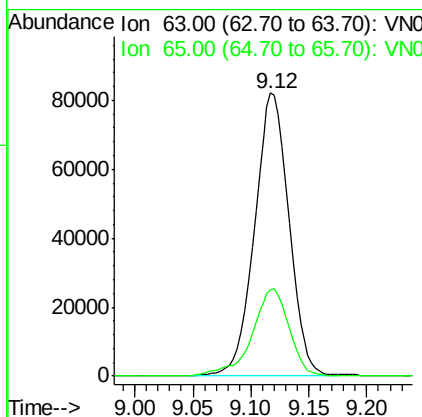
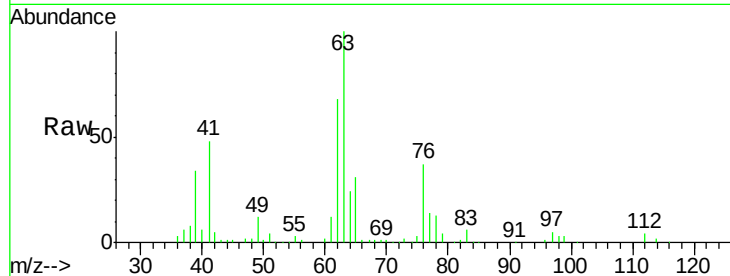
#39
 1,2-Dichloropropane
 Concen: 18.401 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 169734
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4

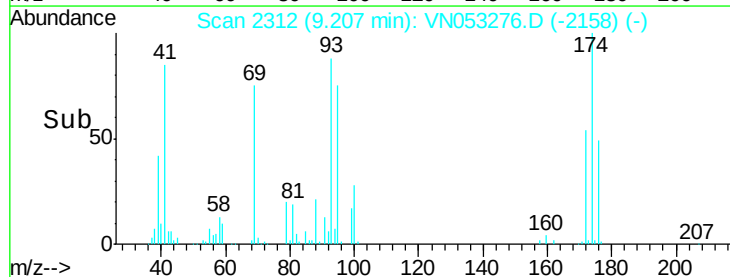
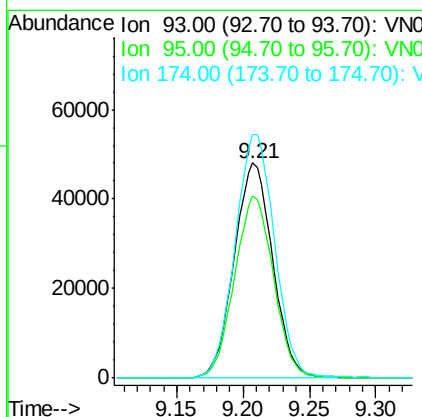
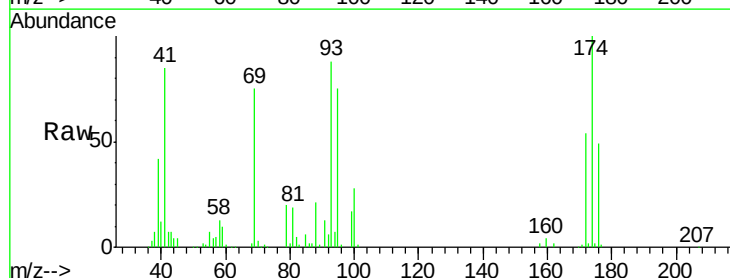
Manual Integrations
 APPROVED

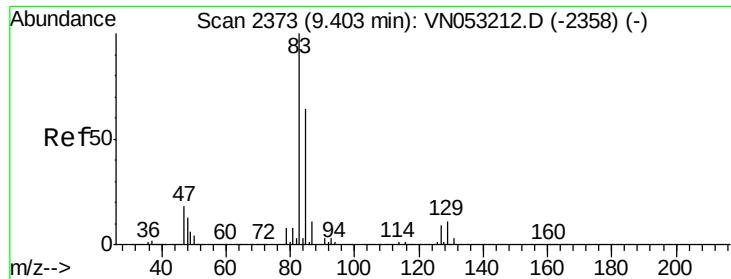
MMDadoda
 1/7/2019 11:09:52 AM



#40
 Dibromomethane
 Concen: 18.653 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion: 93 Resp: 97305
 Ion Ratio Lower Upper
 93 100
 95 85.4 0.0 168.4
 174 115.6 0.0 210.0





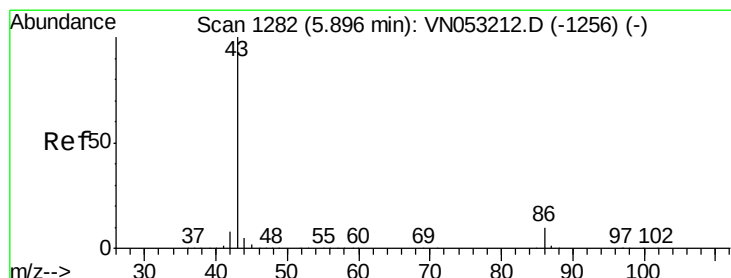
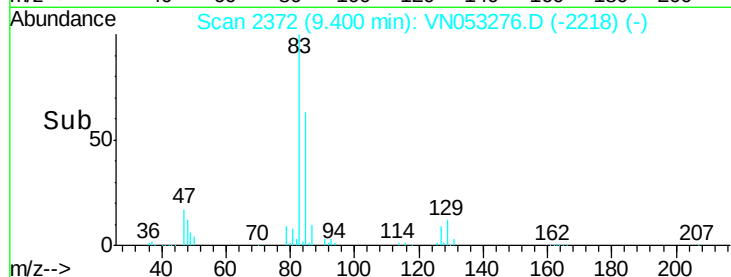
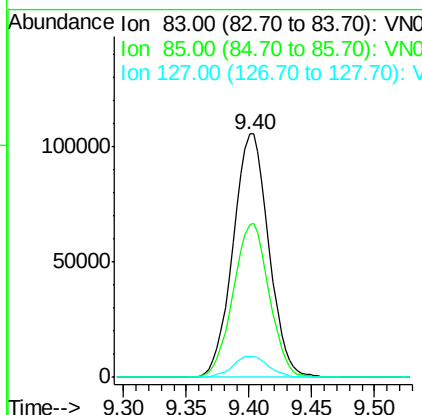
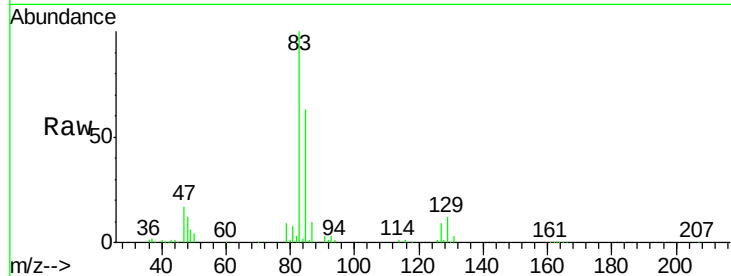
#41
 Bromodichloromethane
 Concen: 18.658 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	83	Resp	209016
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	52.4	78.6
127	8.7	6.6	9.8

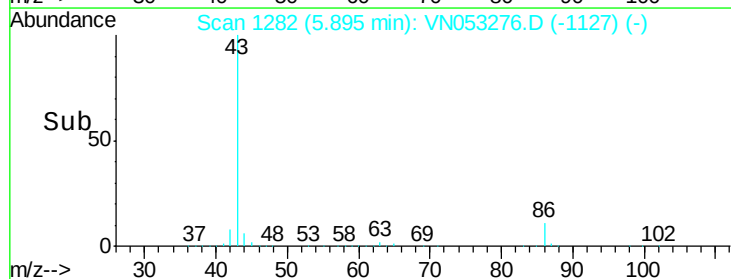
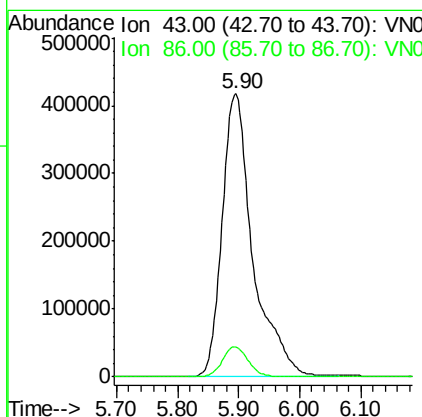
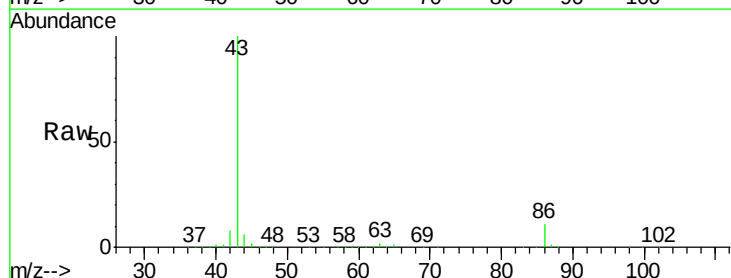
Manual Integrations
 APPROVED

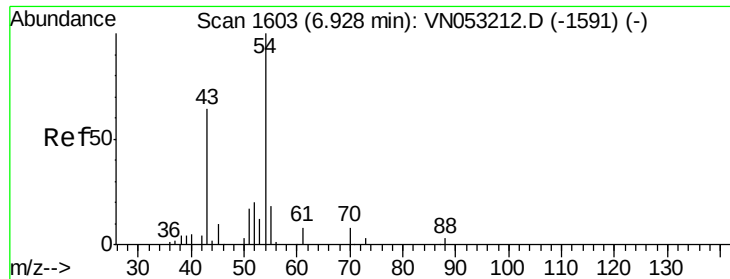
MMDadoda
 1/7/2019 11:09:52 AM



#42
 Vinyl Acetate
 Concen: 91.664 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	43	Resp	1466453
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	6.5	9.7





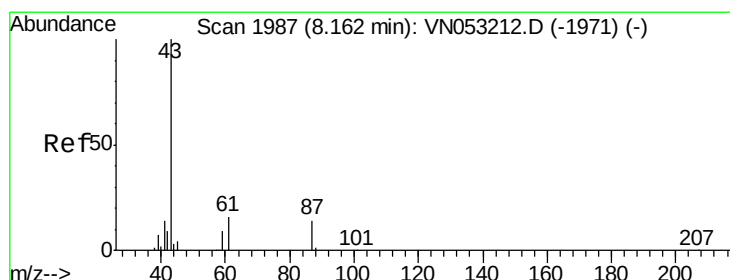
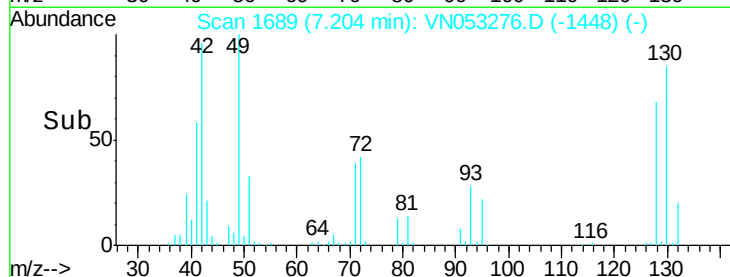
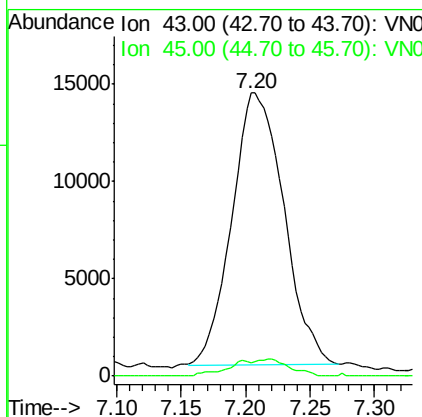
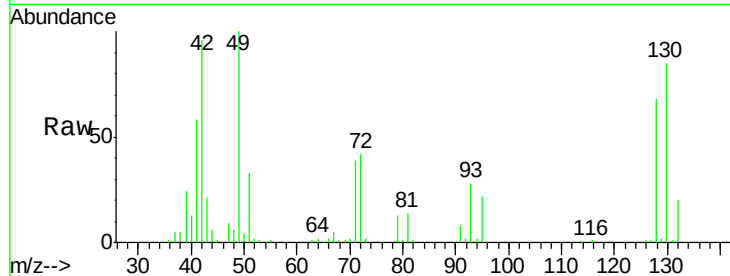
#43
Ethyl Acetate
Concen: 5.983 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.28 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper
39180	100	1.4		1.0	1.6

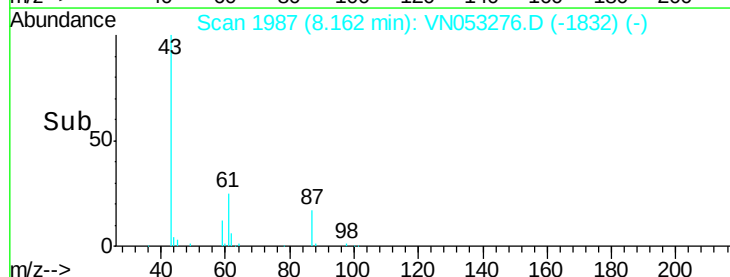
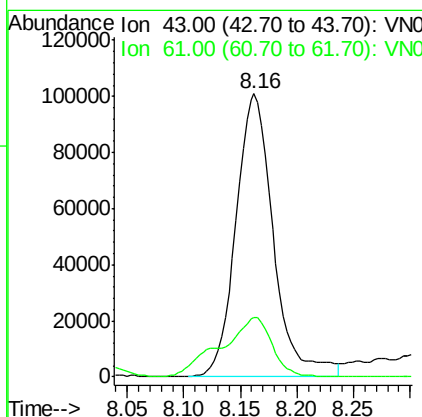
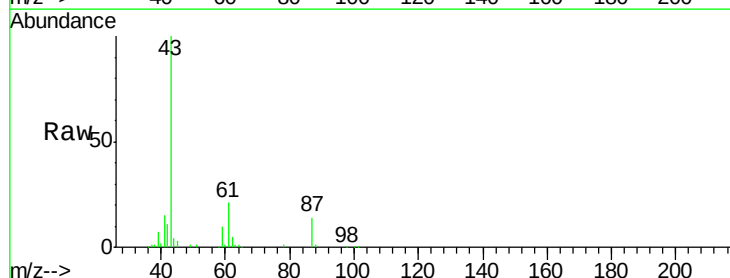
Manual Integrations
APPROVED

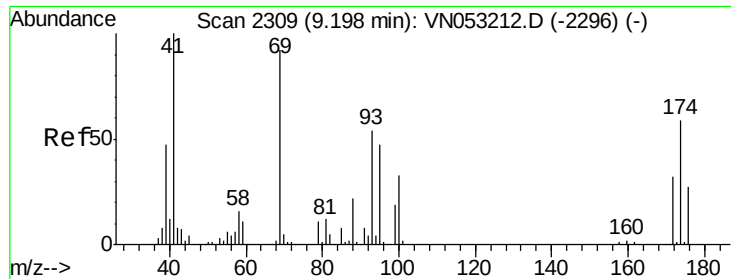
MMDadoda
1/7/2019 11:09:52 AM



#44
Isopropyl Acetate
Concen: 18.960 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	43	61	Ratio	Lower	Upper
231288	100	18.9		16.0	24.0





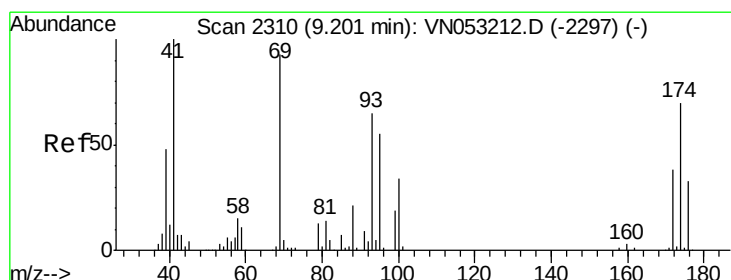
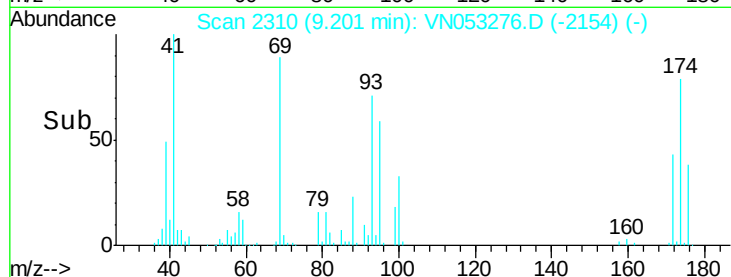
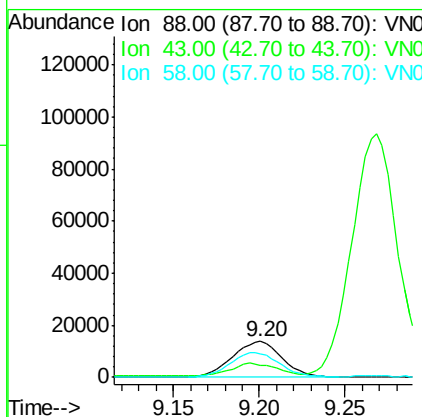
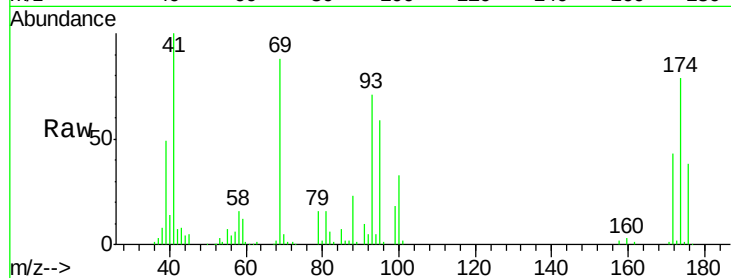
#45
1,4-Dioxane
Concen: 370.111 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.5	44.3
58	70.6	61.5	92.3

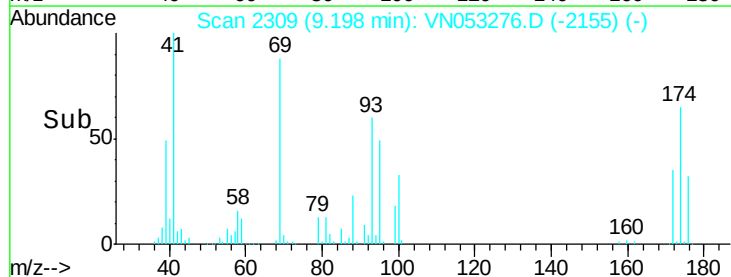
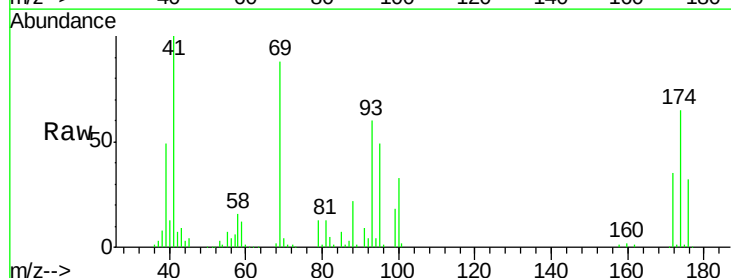
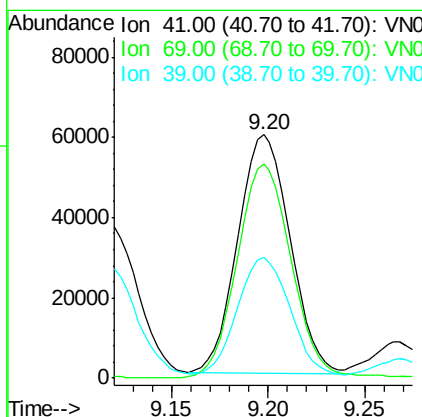
Manual Integrations
APPROVED

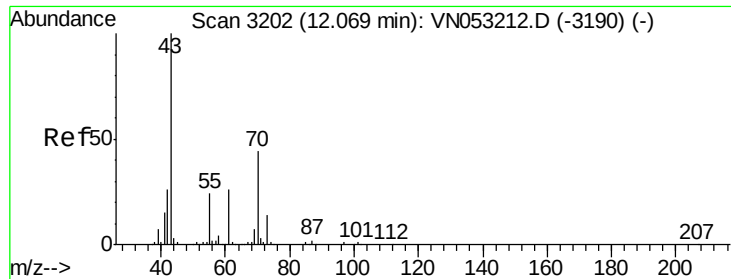
MMDadoda
1/7/2019 11:09:52 AM



#46
Methyl methacrylate
Concen: 18.188 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.6	42.5	127.6
39	49.0	26.3	78.9





#47

n-amvl Acetate

Concen: 17.600 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 188554

Ion Ratio Lower Upper

43 100

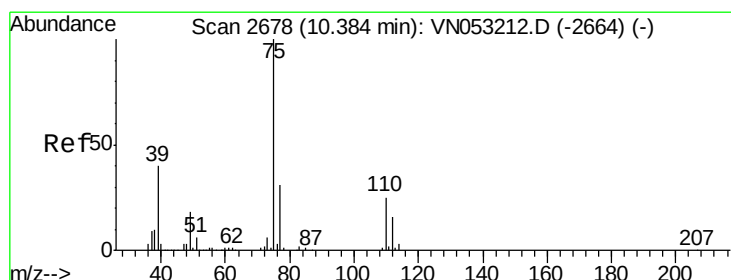
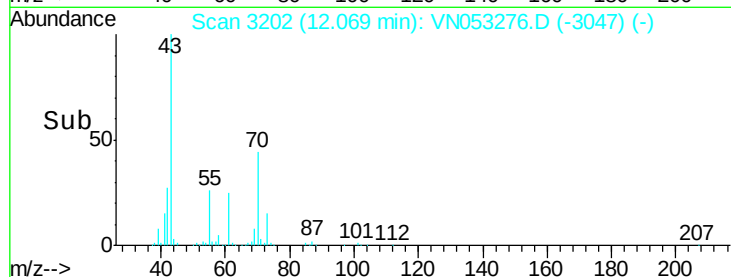
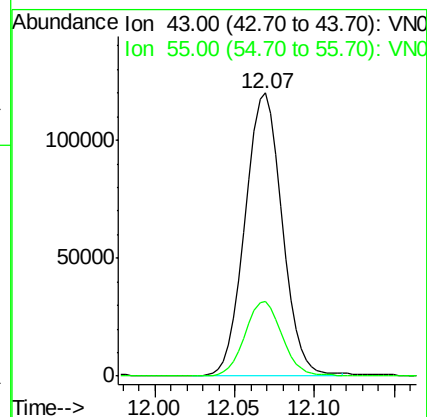
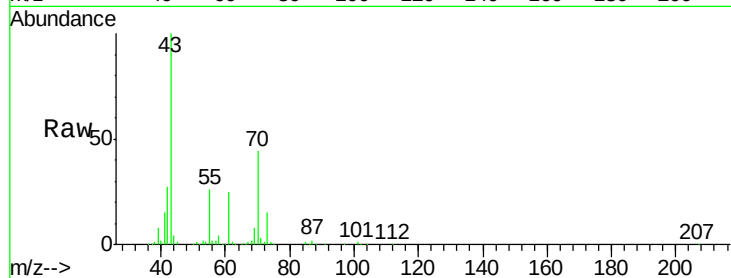
55 26.9 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

1/7/2019 11:09:52 AM



#48

t-1,3-Dichloropropene

Concen: 17.673 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053276.D

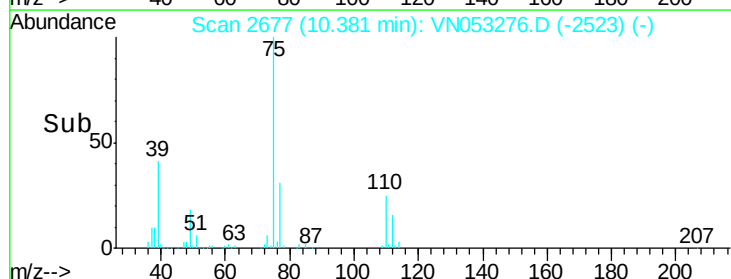
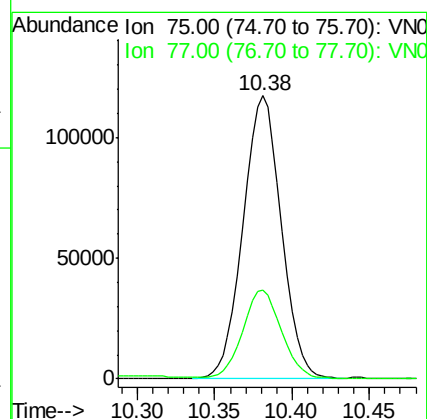
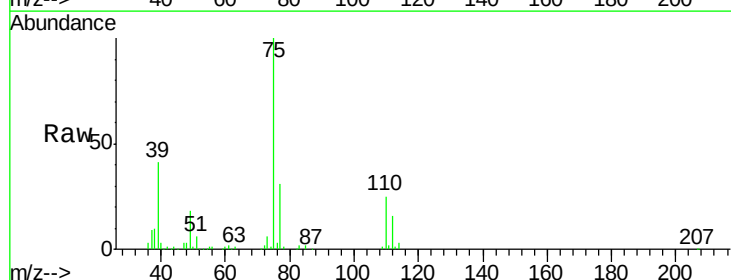
Acq: 4 Jan 2019 8:55

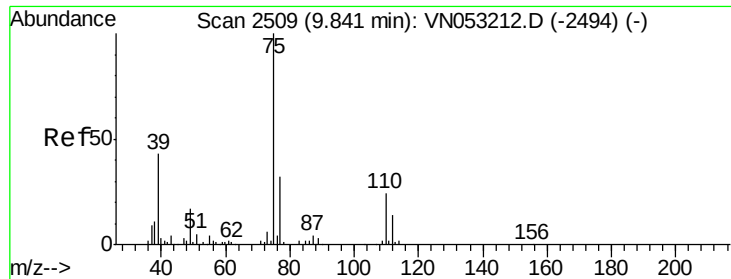
Tgt Ion: 75 Resp: 202066

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4





#49

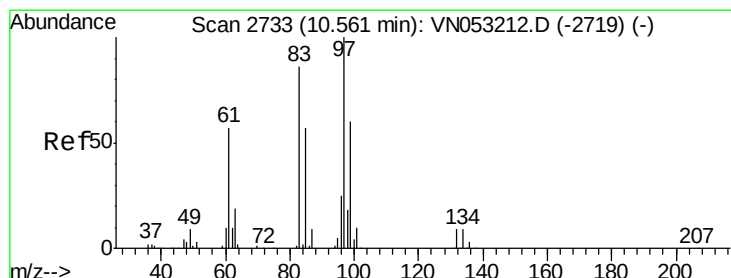
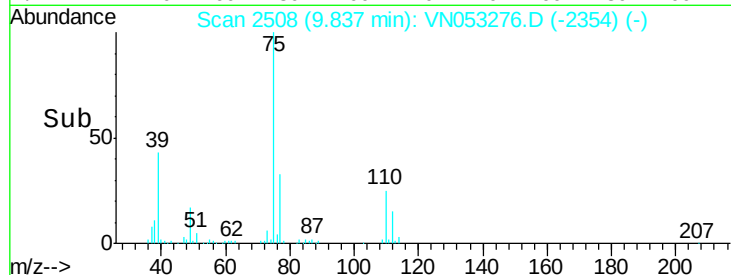
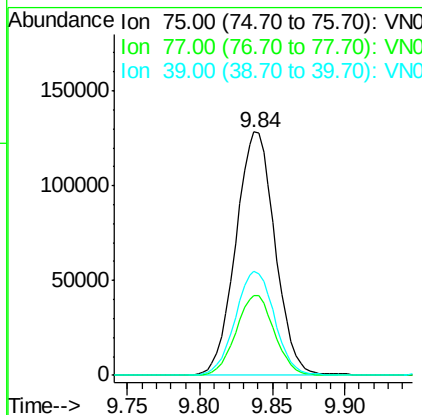
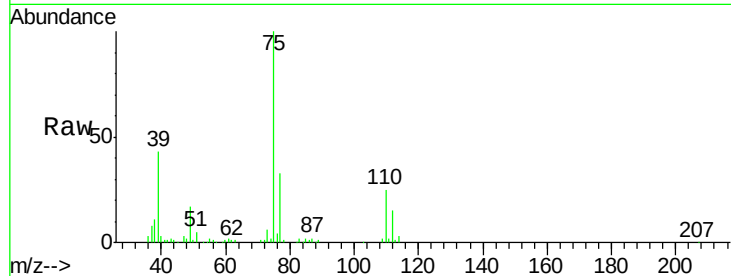
cis-1,3-Dichloropropene
 Concen: 17.897 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	42.8	37.3	55.9

Manual Integrations
 APPROVED

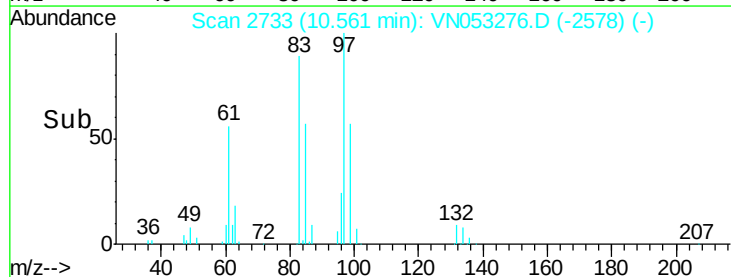
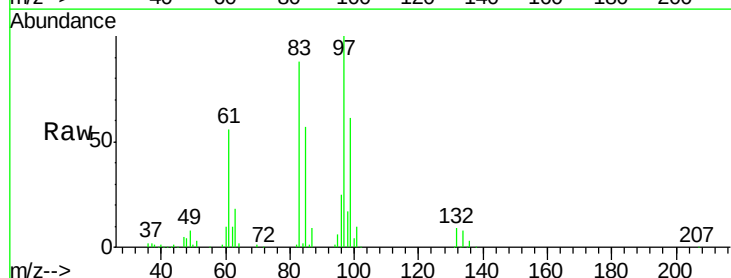
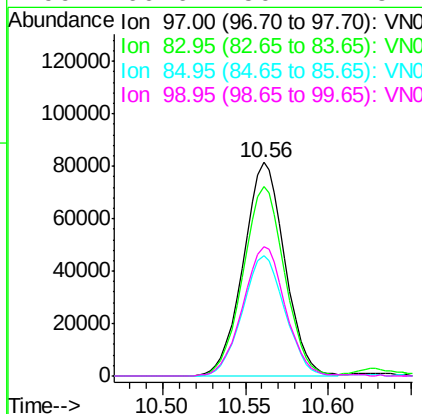
MMDadoda
 1/7/2019 11:09:52 AM

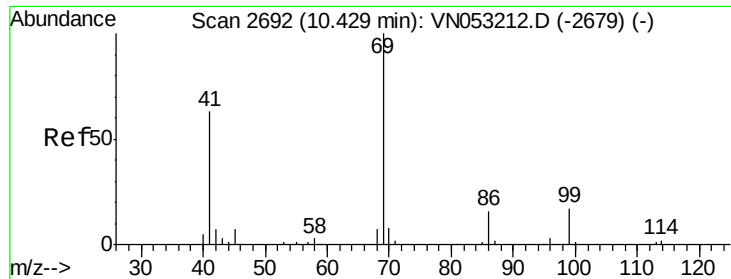


#50

1,1,2-Trichloroethane
 Concen: 18.933 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.4	105.6
85	56.6	45.0	67.6
99	60.6	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.168 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

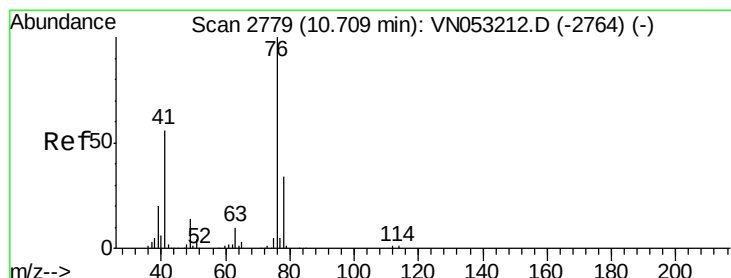
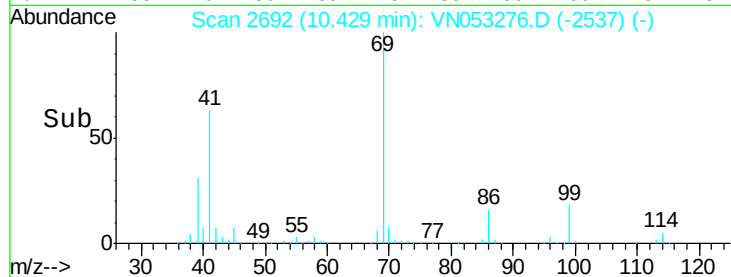
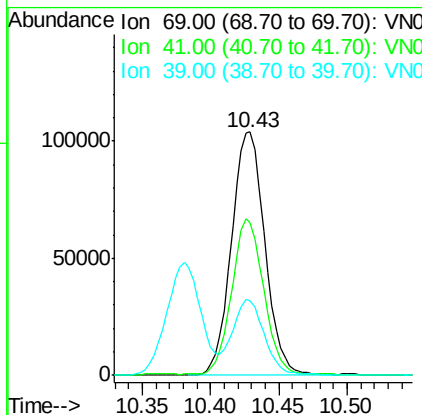
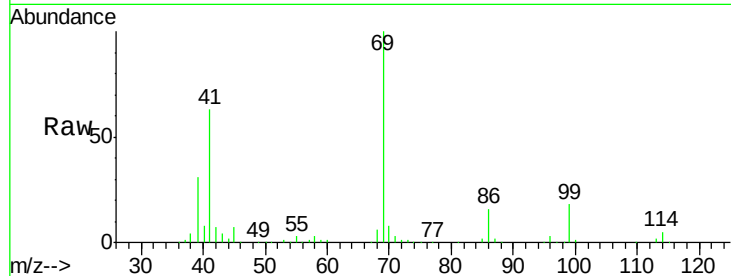
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	177099
Ion Ratio	Lower	Upper	
69	100		
41	62.5	34.4	103.3
39	30.6	16.4	49.2

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#52

1,3-Dichloropropane

Concen: 18.732 ug/l

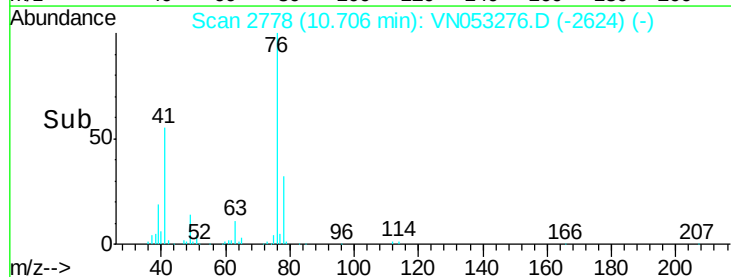
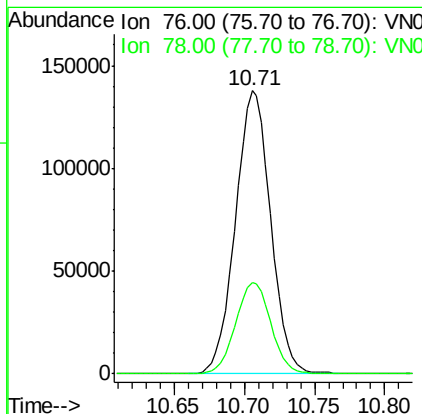
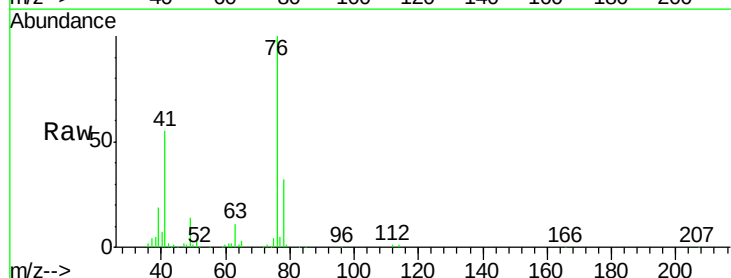
RT: 10.71 min Scan# 2778

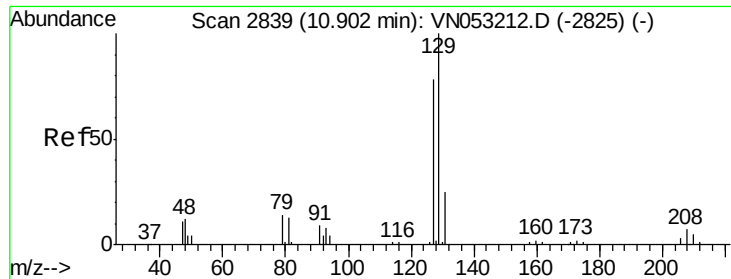
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	76	Resp:	241345
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.8





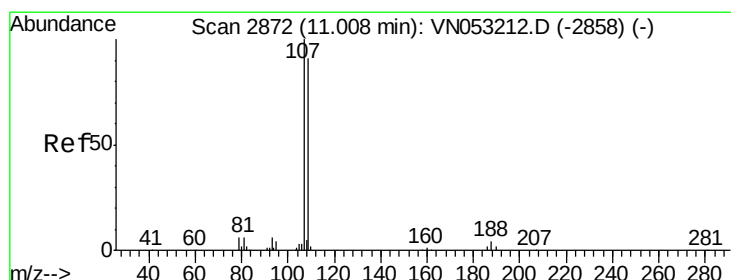
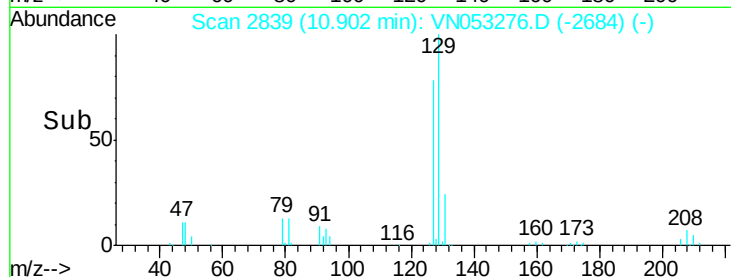
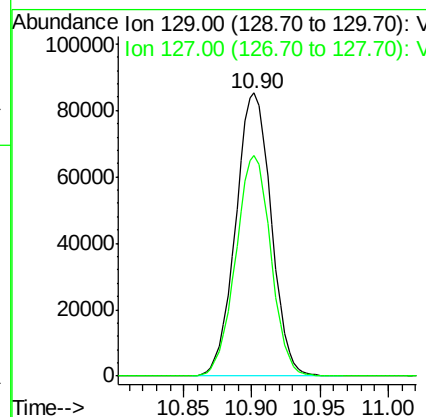
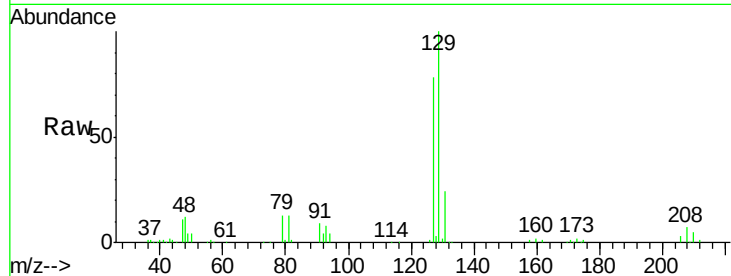
#53
Dibromochloromethane
Concen: 18.373 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		154345		
127	77.1	37.6	112.8		

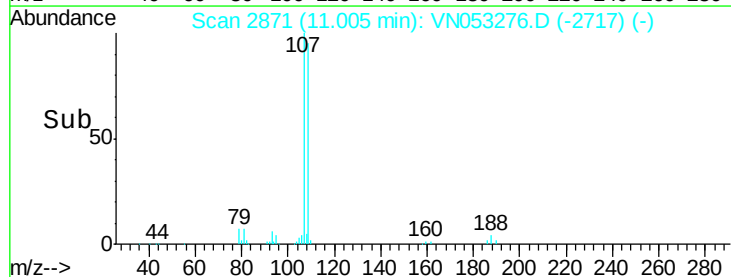
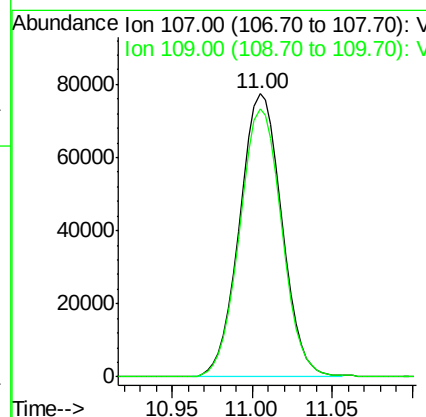
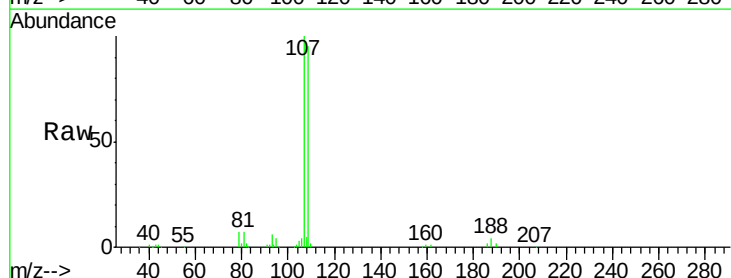
Manual Integrations
APPROVED

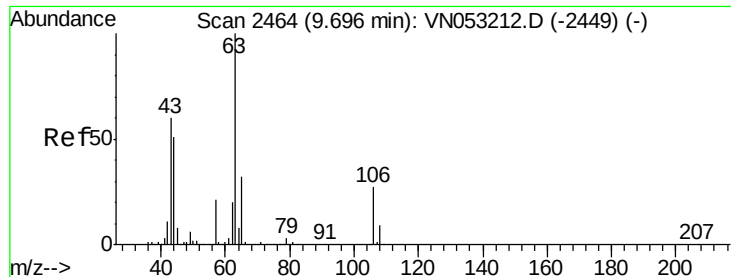
MMDadoda
1/7/2019 11:09:52 AM



#54
1,2-Dibromoethane
Concen: 18.463 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		139309		
109	94.7	77.1	115.7		





#55

2-Chloroethyl vinyl ether

Concen: 98.269 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

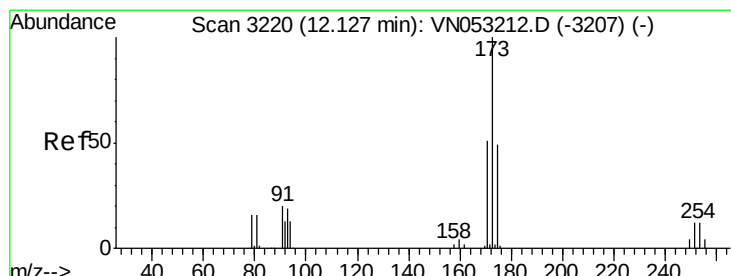
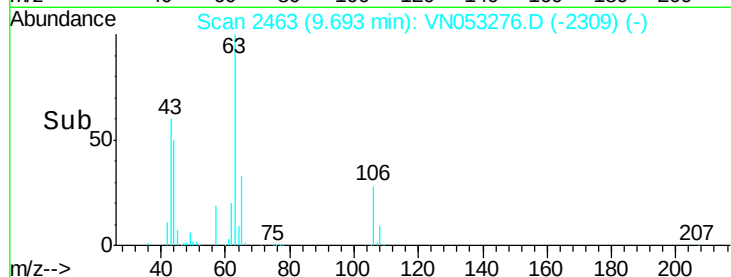
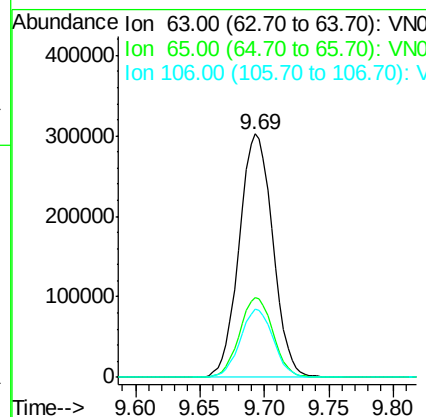
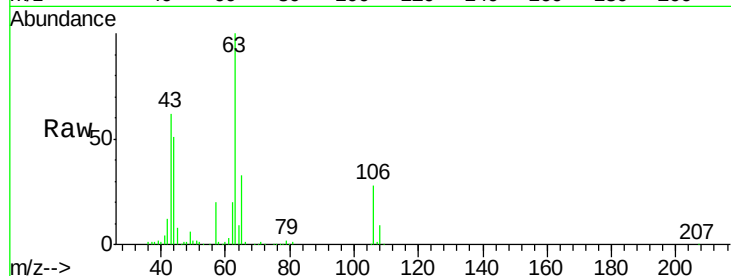
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	549743
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.2
106	27.6	20.4	30.6

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#56

Bromoform

Concen: 18.089 ug/l

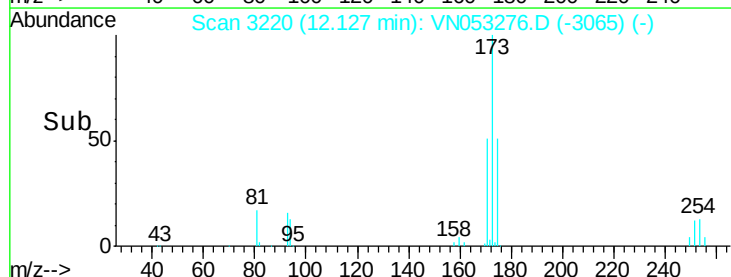
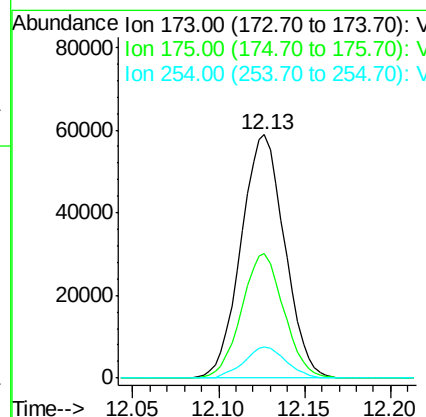
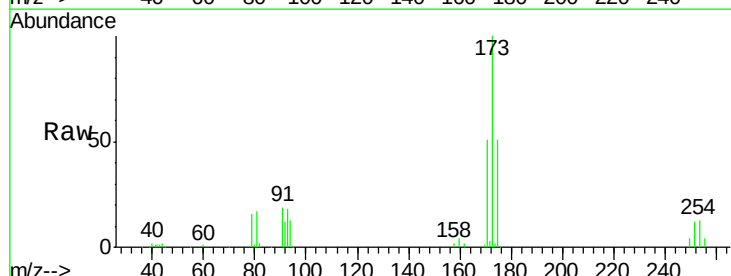
RT: 12.13 min Scan# 3220

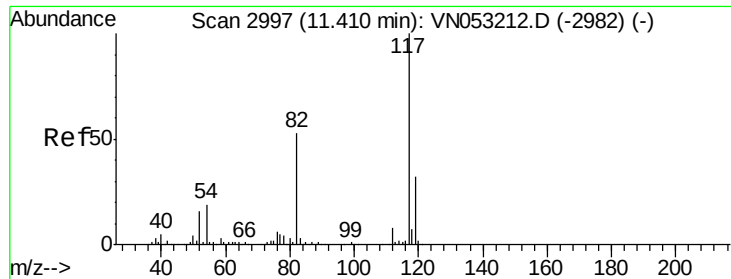
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	173	Resp:	103949
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.7	58.1
254	12.2	8.4	12.6





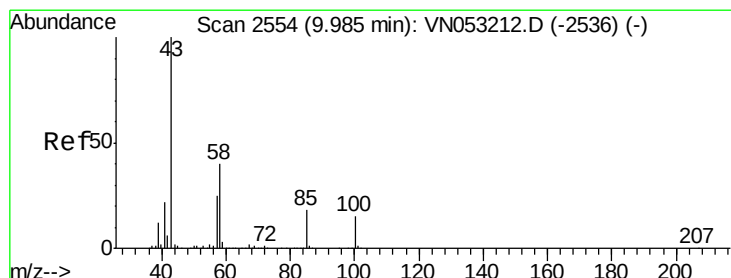
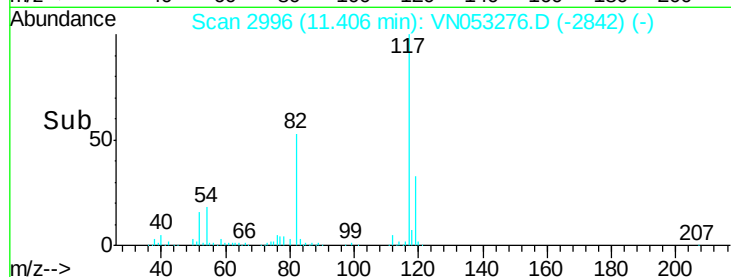
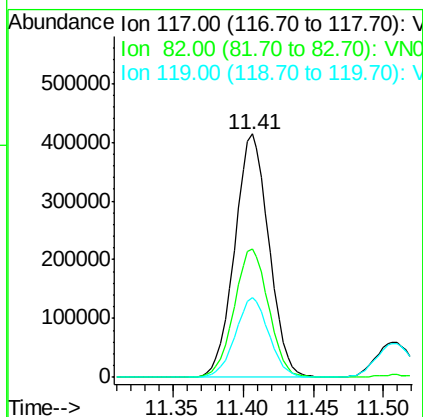
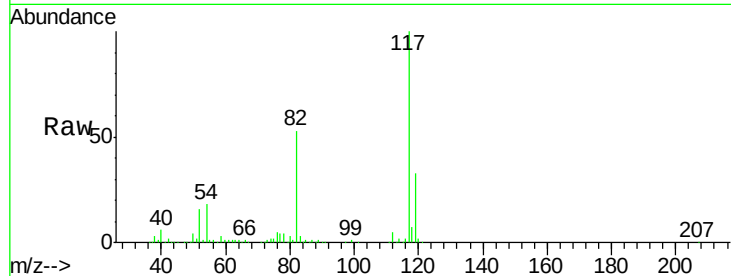
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	703624		
82	53.1		44.2	66.2
119	32.0		25.4	38.2

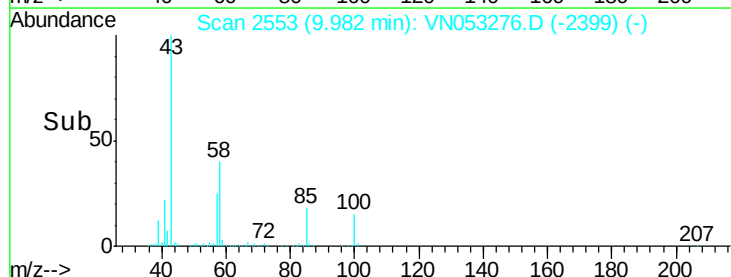
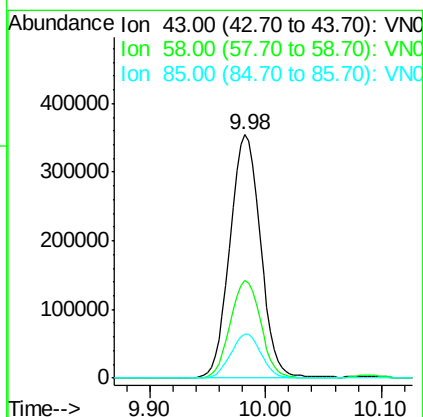
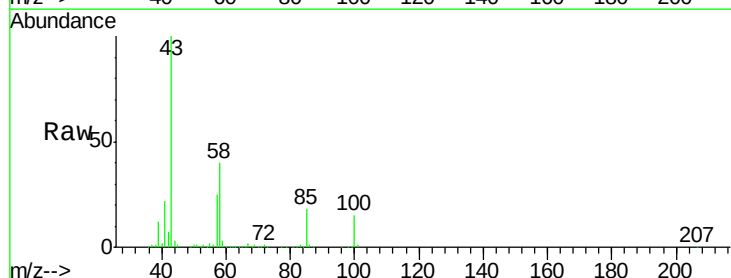
Manual Integrations
APPROVED

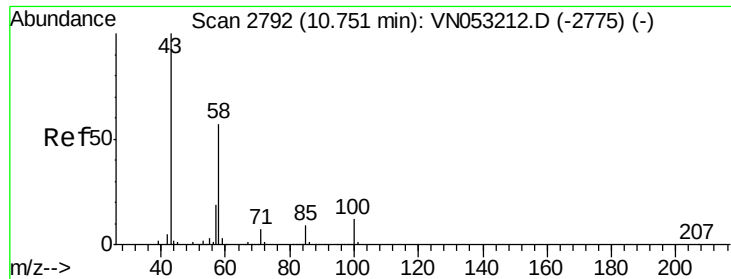
MMDadoda
1/7/2019 11:09:52 AM



#58
4-Methyl-2-Pentanone
Concen: 96.114 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	644427		
58	40.4		31.6	47.4
85	18.1		13.3	19.9





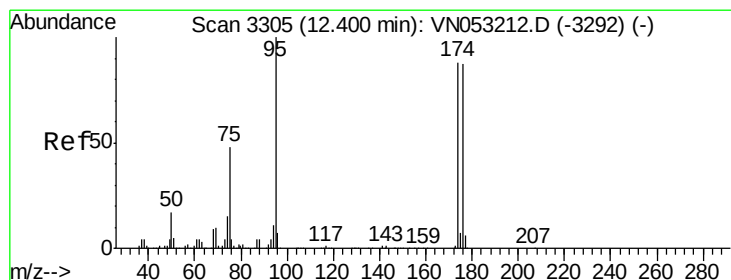
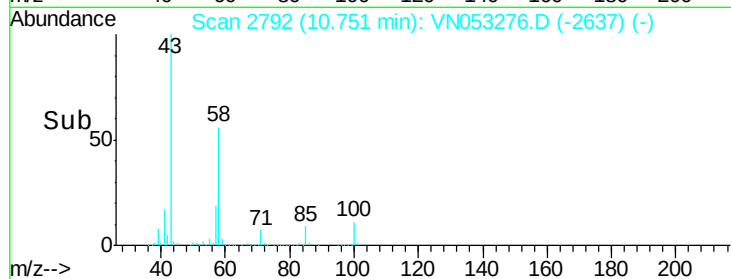
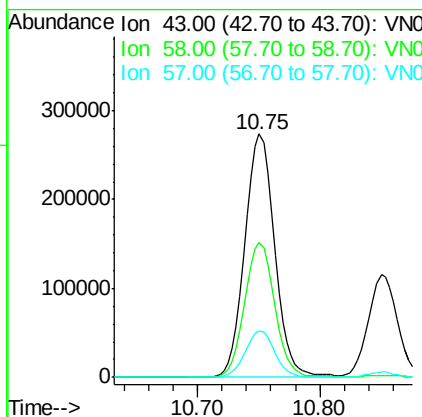
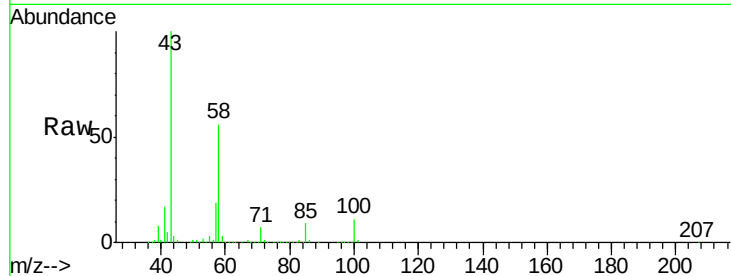
#59
2-Hexanone
Concen: 99.322 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.2	64.8
57	18.7	14.9	22.3

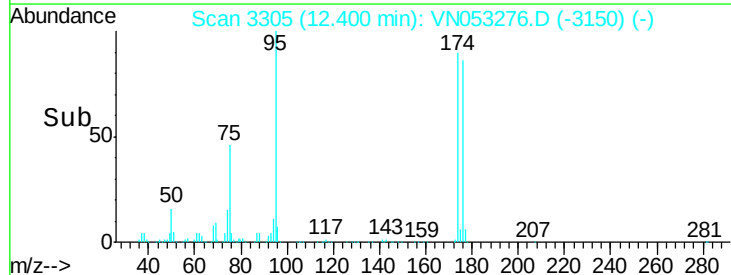
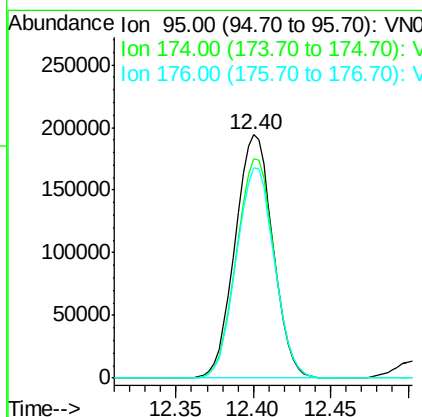
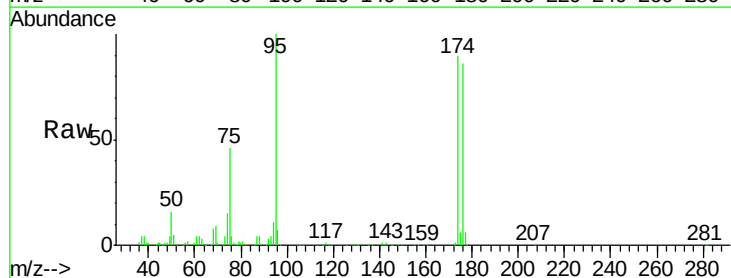
Manual Integrations
APPROVED

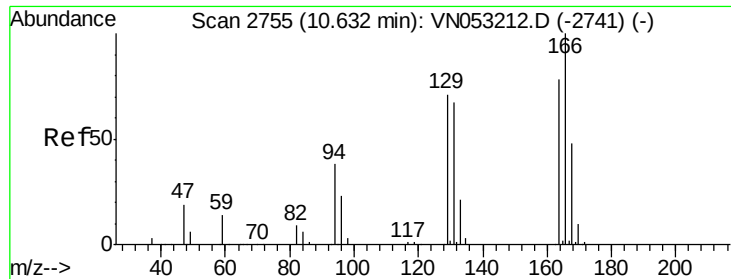
MMDadoda
1/7/2019 11:09:52 AM



#60
4-Bromofluorobenzene
Concen: 99.322 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	67.9	101.9
176	87.1	66.4	99.6





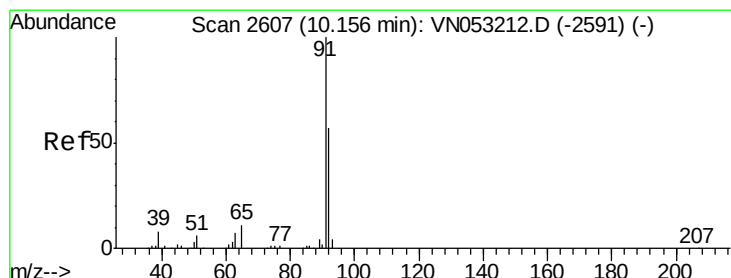
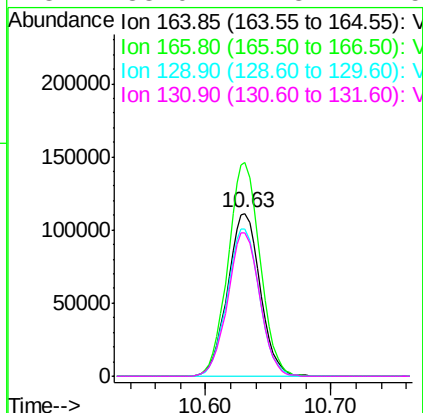
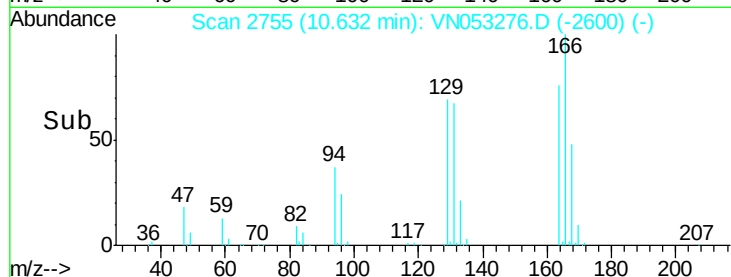
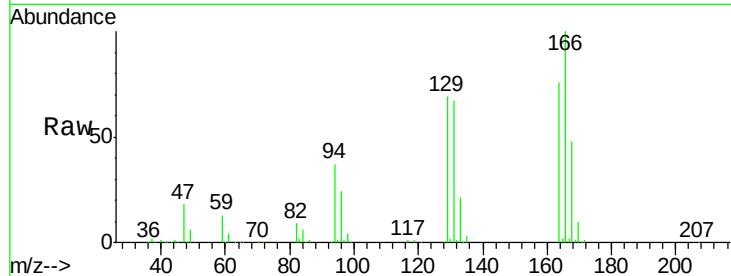
#61
Tetrachloroethene
Concen: 19.186 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.6	157.0
129	90.3	75.3	112.9
131	88.0	74.3	111.5

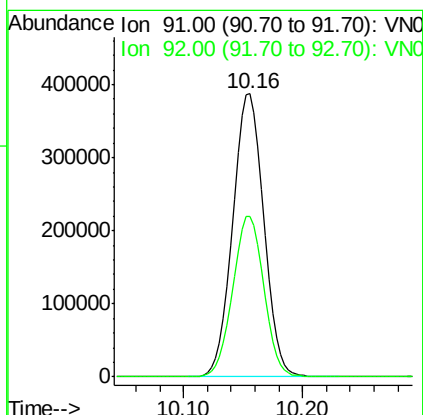
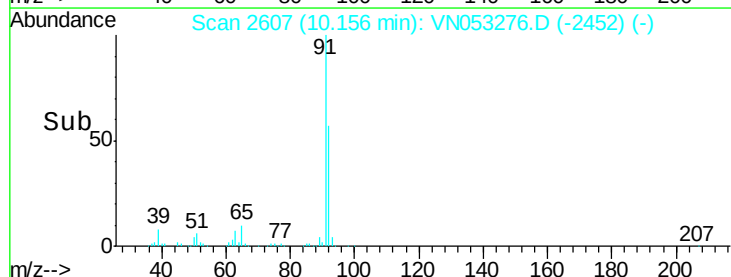
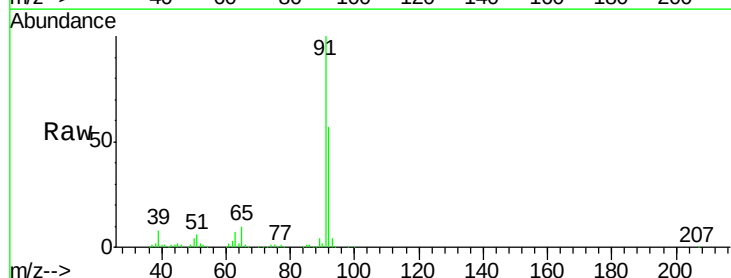
Manual Integrations
APPROVED

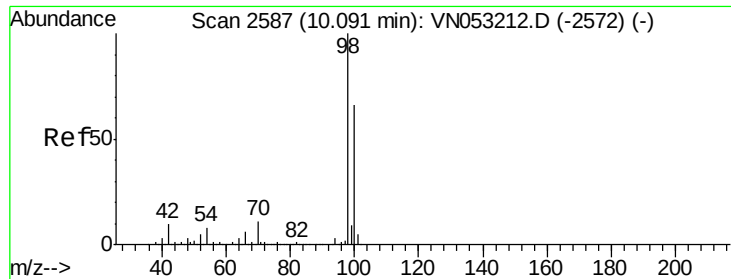
MMDadoda
1/7/2019 11:09:52 AM



#62
Toluene
Concen: 18.203 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





#63

Toluene-d8

Concen: 18.203 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 962947

Ion Ratio Lower Upper

98 100

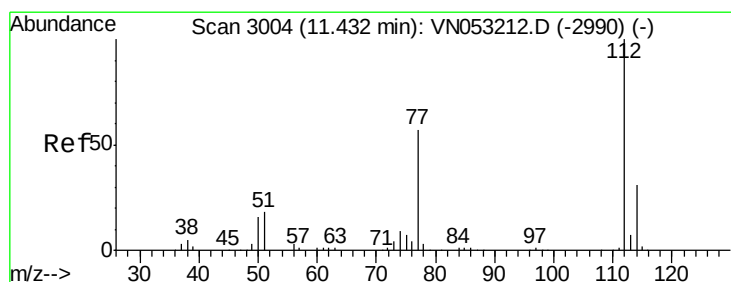
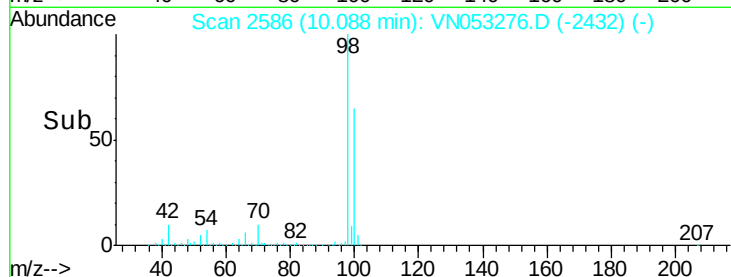
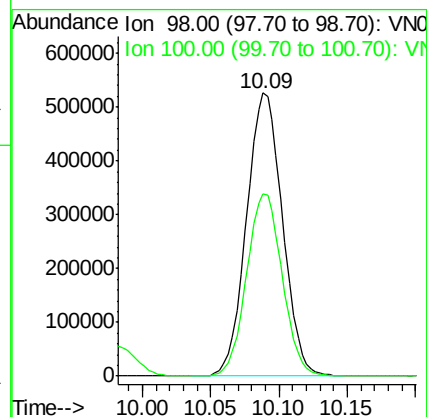
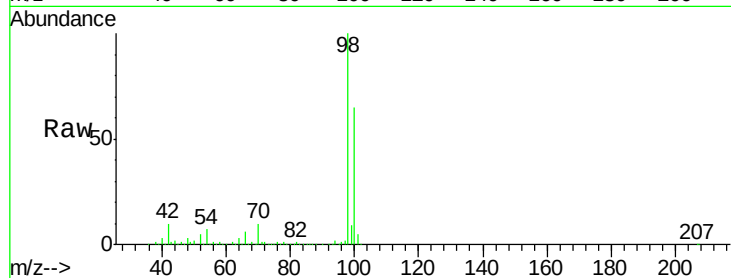
100 63.6 51.1 76.7

Manual Integrations

APPROVED

MMDadoda

1/7/2019 11:09:52 AM



#64

Chlorobenzene

Concen: 18.156 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053276.D

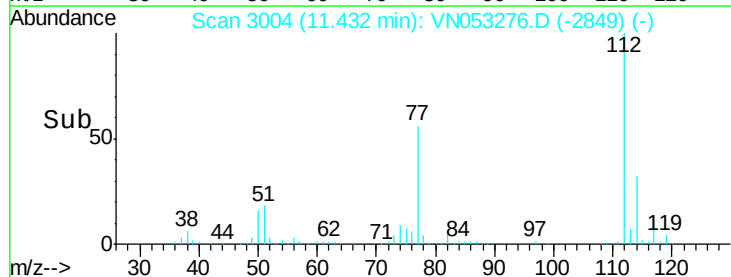
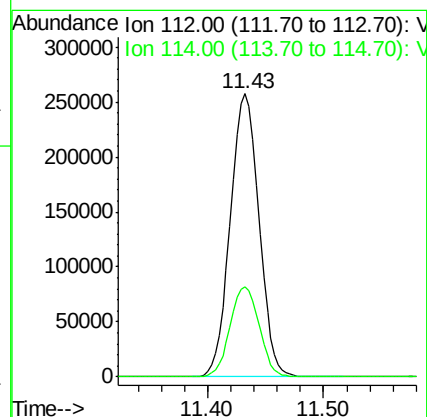
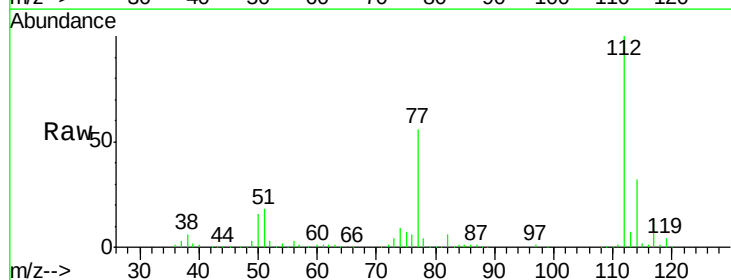
Acq: 4 Jan 2019 8:55

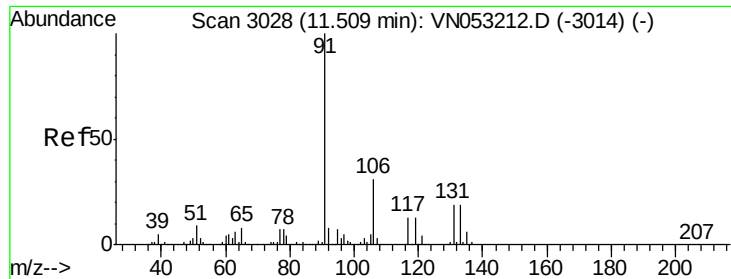
Tgt Ion: 112 Resp: 439664

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 17.999 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

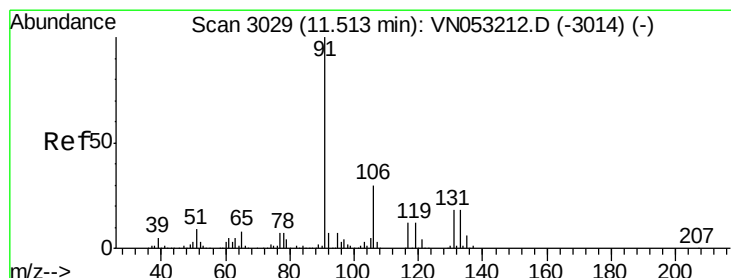
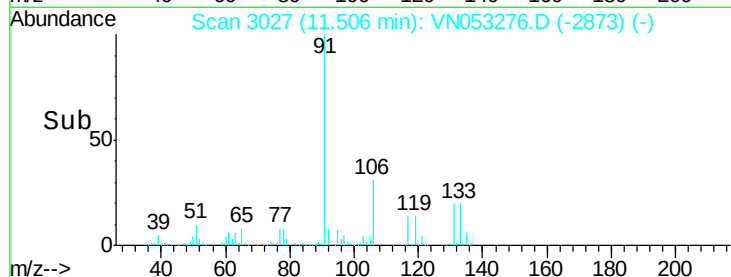
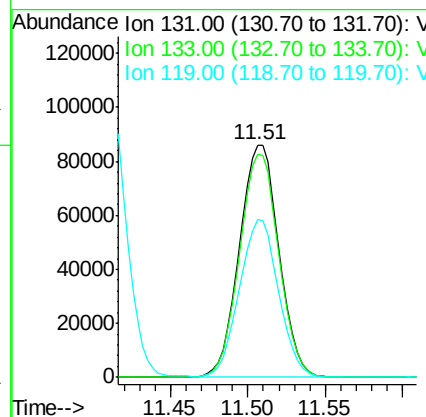
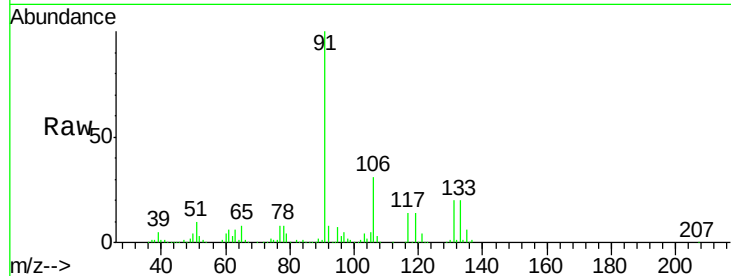
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	152894
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	193.4
119	67.0	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#66

Ethyl Benzene

Concen: 17.724 ug/l

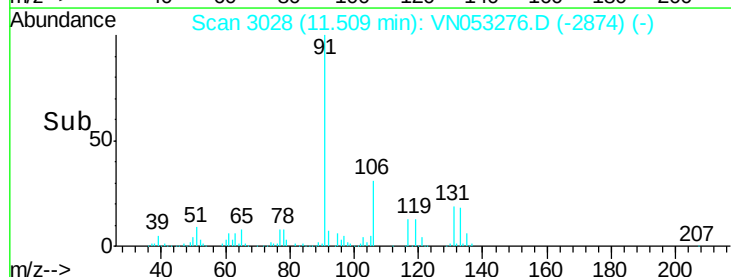
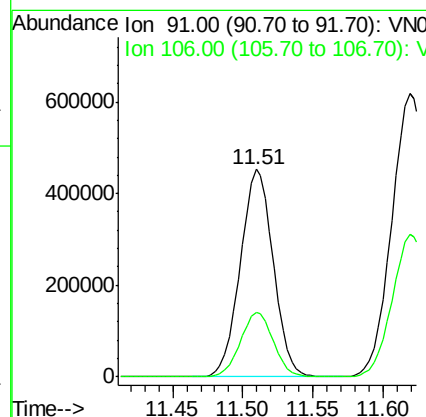
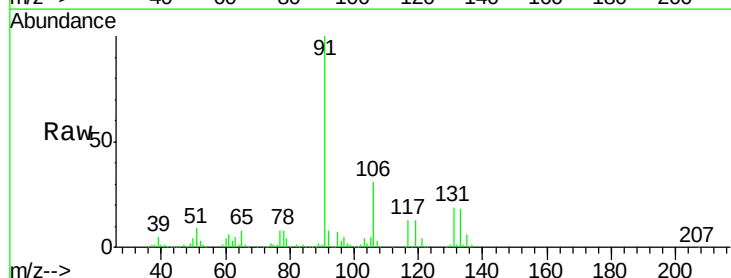
RT: 11.51 min Scan# 3028

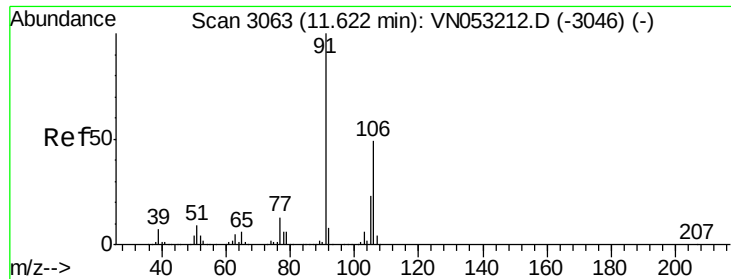
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	91	Resp:	741716
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.3	36.5





#67

m/p-Xylenes

Concen: 36.873 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 583588

Ion Ratio Lower Upper

106 100

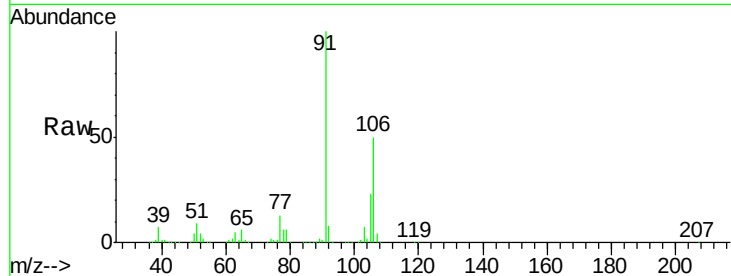
91 200.1 163.9 245.9

Manual Integrations

APPROVED

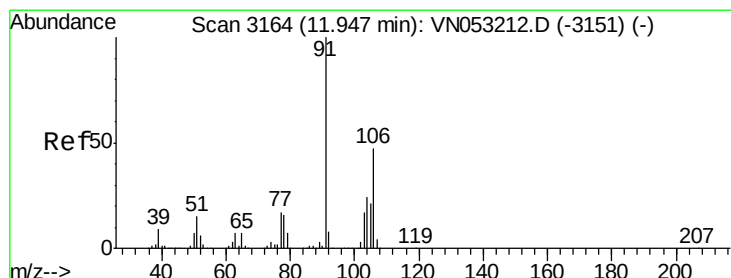
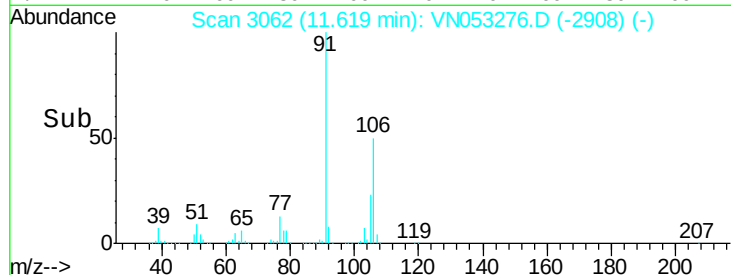
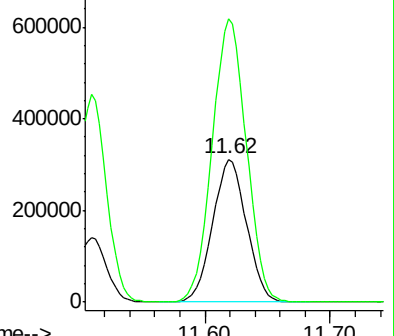
MMDadoda

1/7/2019 11:09:52 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.169 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053276.D

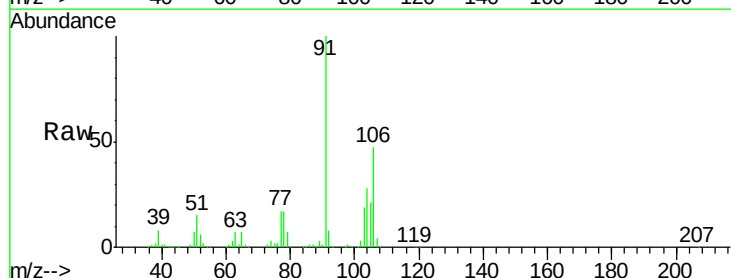
Acq: 4 Jan 2019 8:55

Tgt Ion:106 Resp: 278660

Ion Ratio Lower Upper

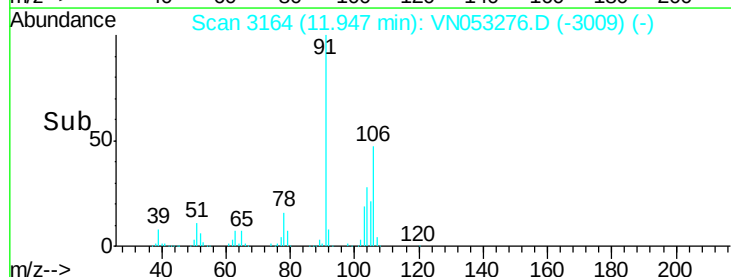
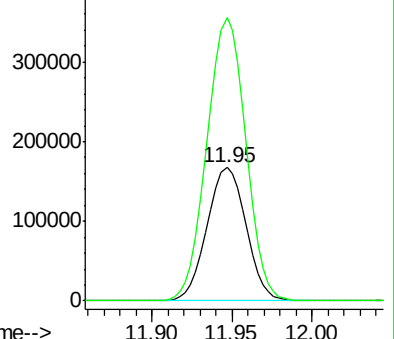
106 100

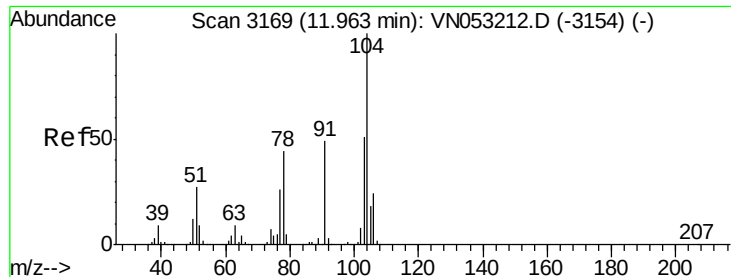
91 211.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





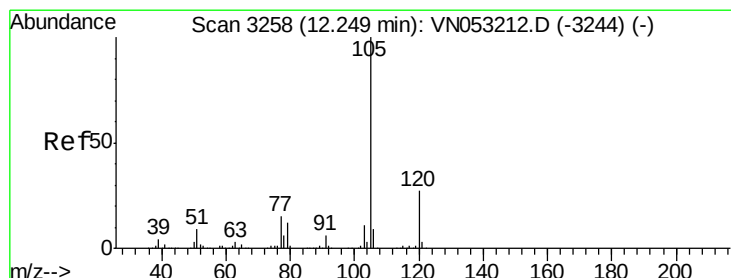
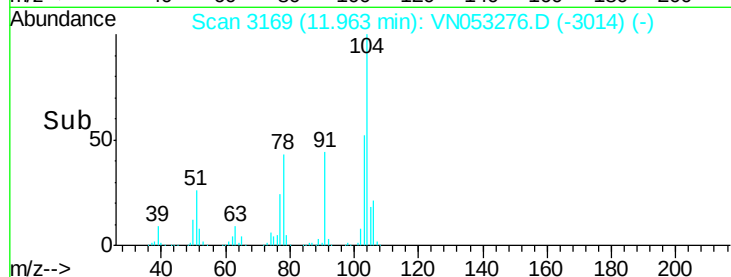
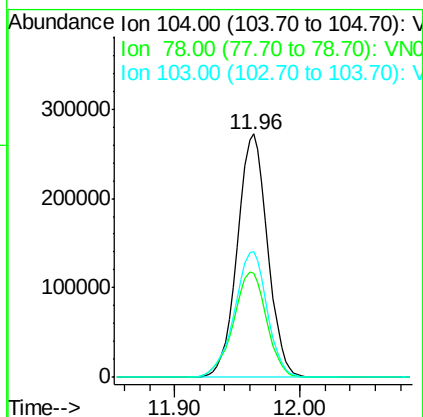
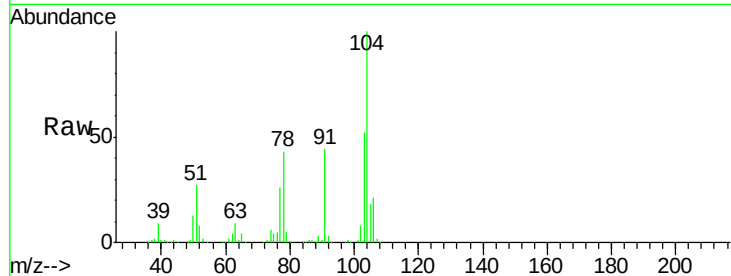
#69
Stvrene
Concen: 18.189 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.3	58.9
103	55.8	44.6	66.8

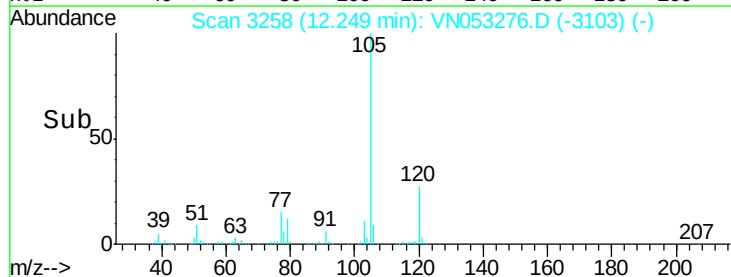
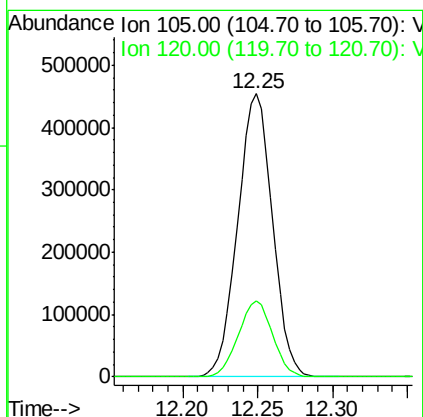
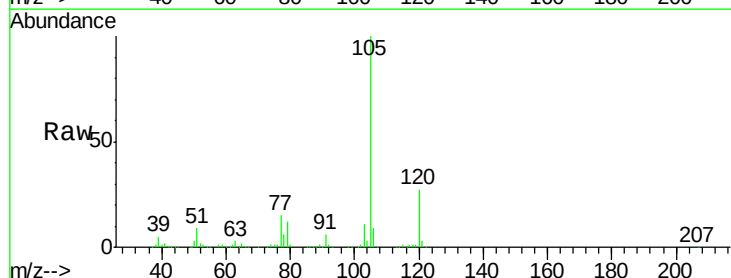
Manual Integrations
APPROVED

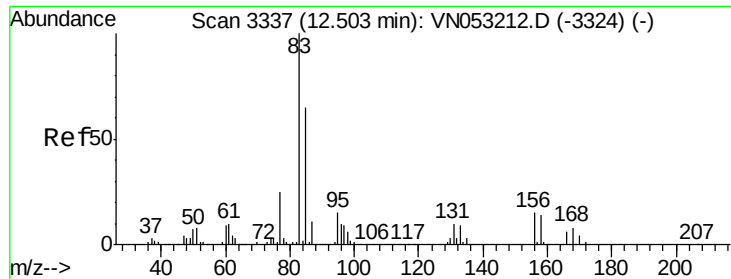
MMDadoda
1/7/2019 11:09:52 AM



#70
Isopropylbenzene
Concen: 18.172 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 17.986 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

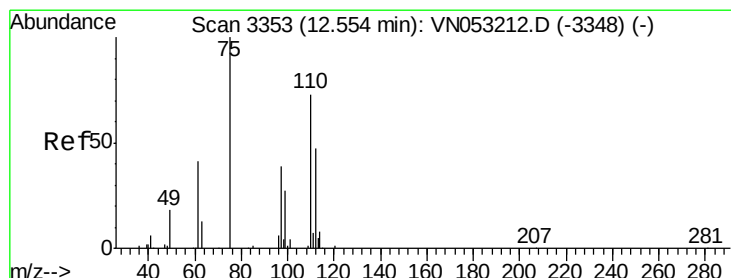
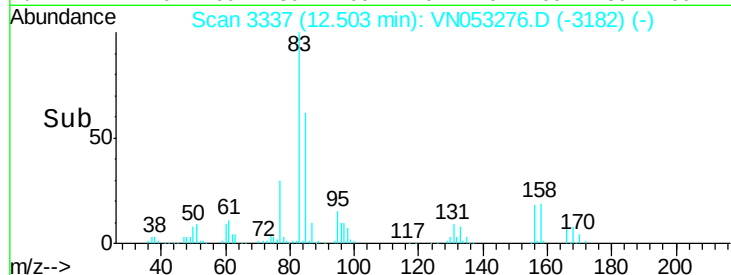
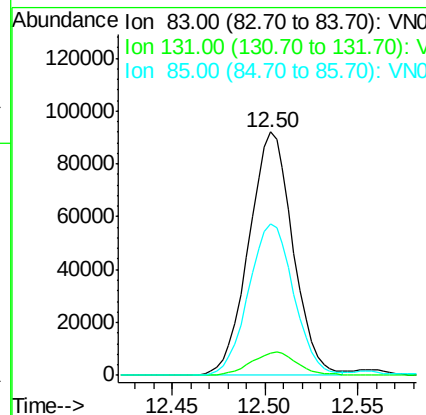
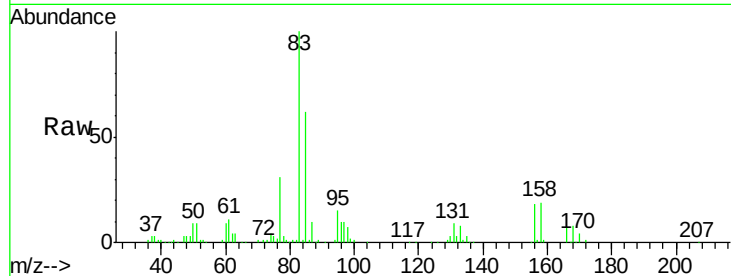
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	152775
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.9	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#72

1,2,3-Trichloropropane

Concen: 18.428 ug/l m

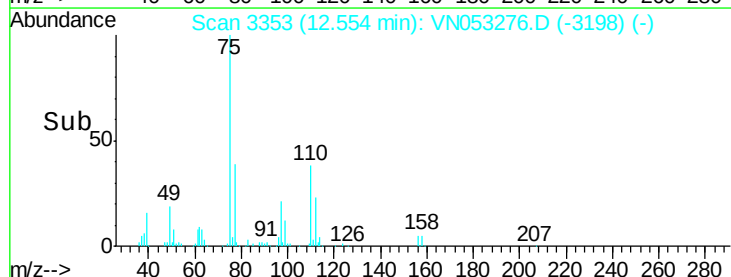
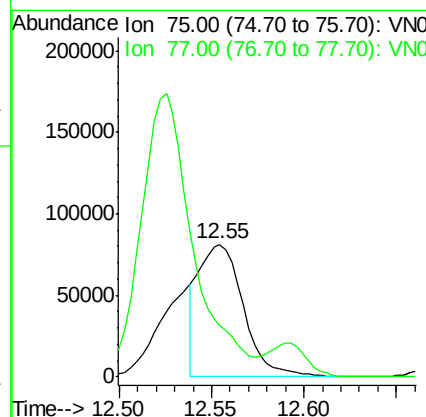
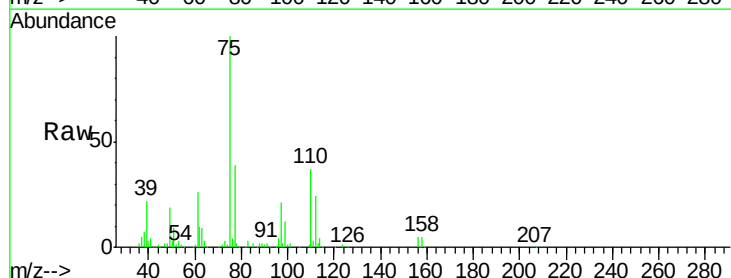
RT: 12.55 min Scan# 3353

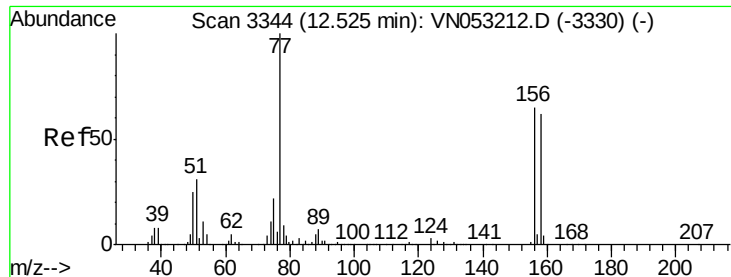
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	75	Resp:	137075
Ion Ratio	Lower	Upper	
75	100		
77	248.9	0.0	514.8





#73

Bromobenzene

Concen: 18.474 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

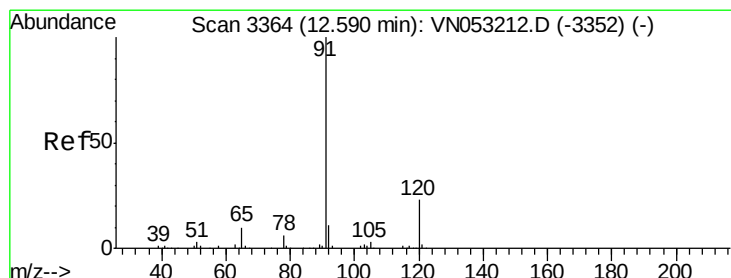
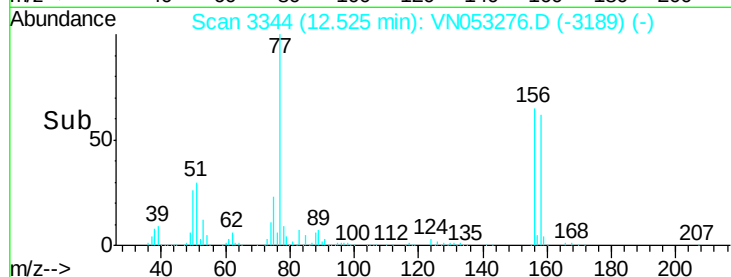
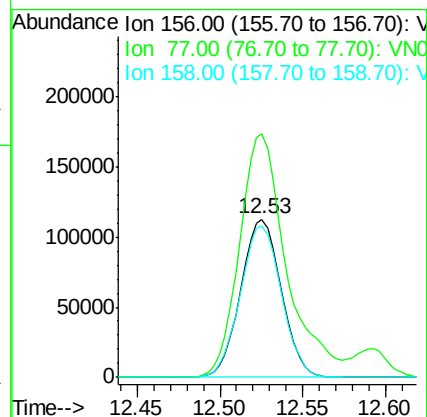
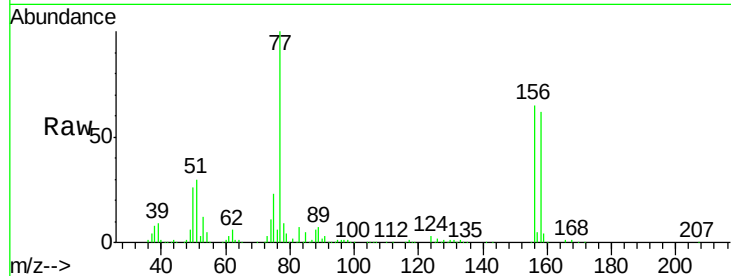
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	191617
Ion Ratio	Lower	Upper	
156	100		
77	178.1	0.0	382.6
158	97.4	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#74

n-propylbenzene

Concen: 18.600 ug/l

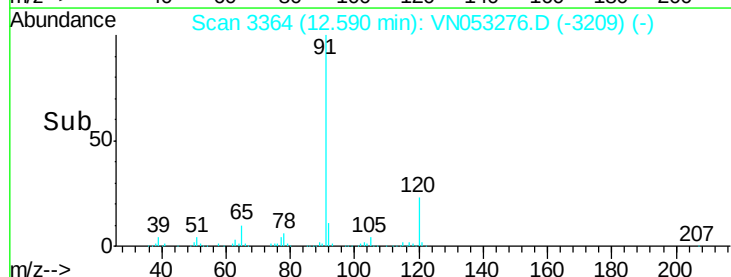
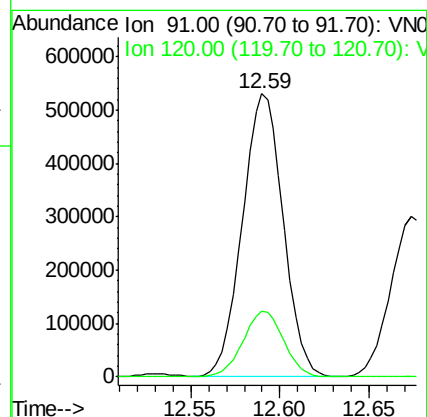
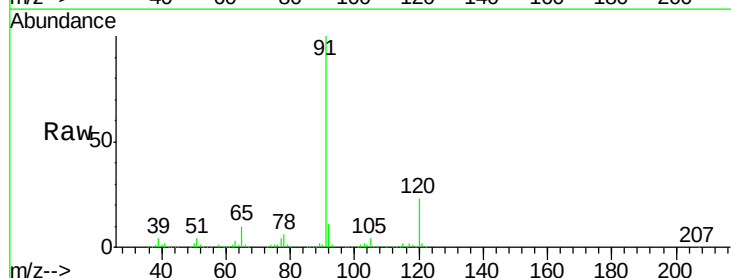
RT: 12.59 min Scan# 3364

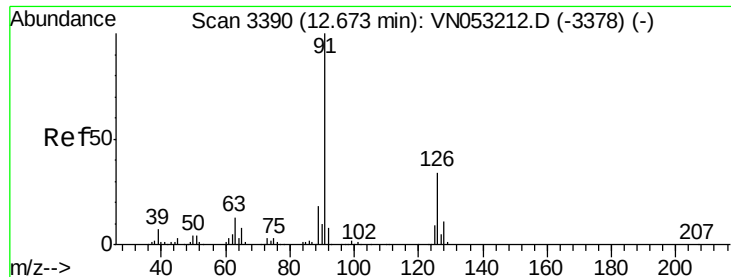
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	91	Resp:	849629
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 18.502 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 500527

Ion Ratio Lower Upper

91 100

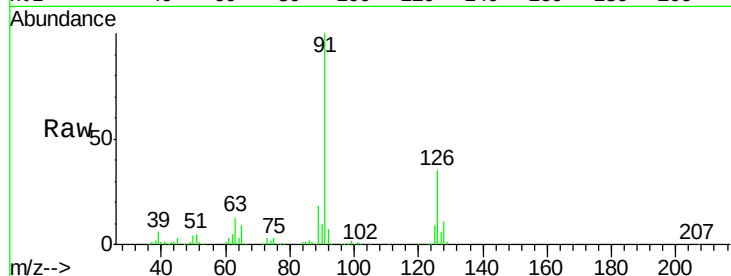
126 35.3 0.0 68.4

Manual Integrations

APPROVED

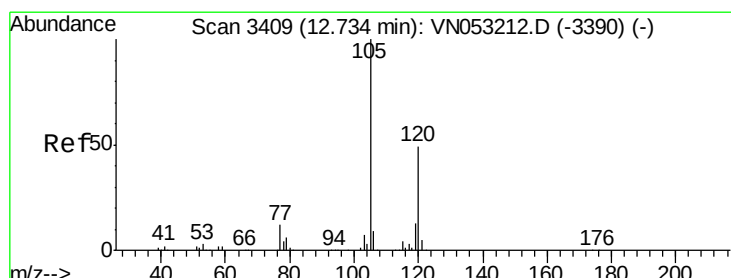
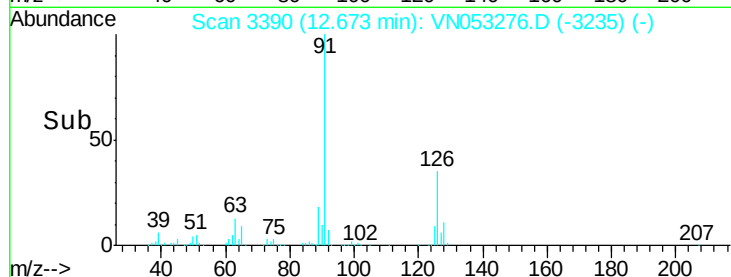
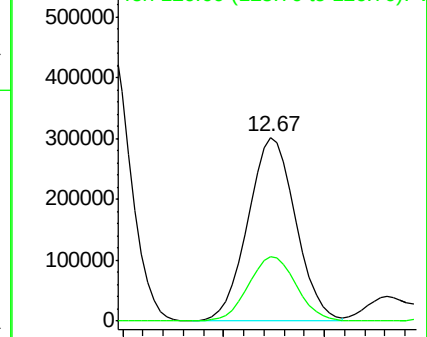
MMDadoda

1/7/2019 11:09:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.837 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053276.D

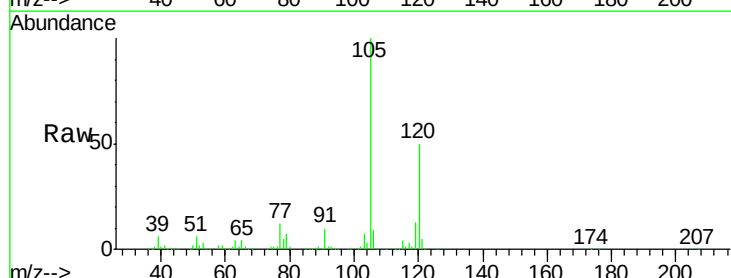
Acq: 4 Jan 2019 8:55

Tgt Ion:105 Resp: 602953

Ion Ratio Lower Upper

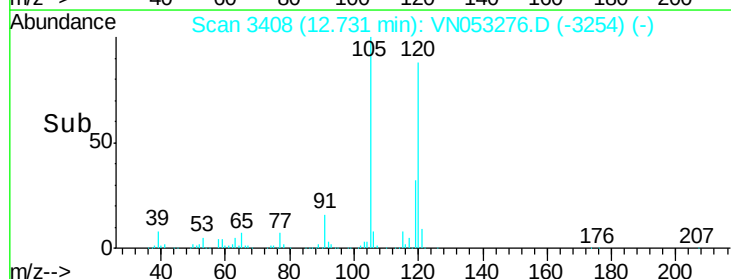
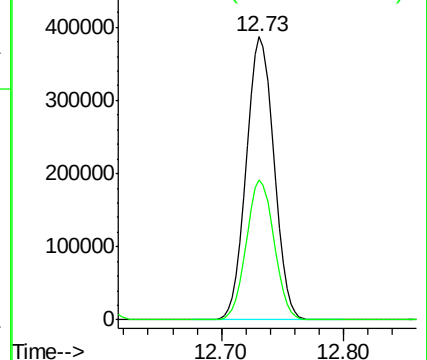
105 100

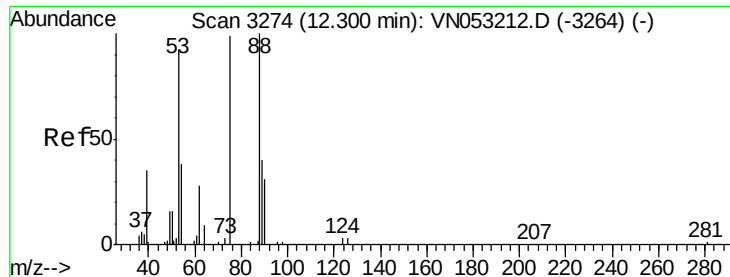
120 49.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.695 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

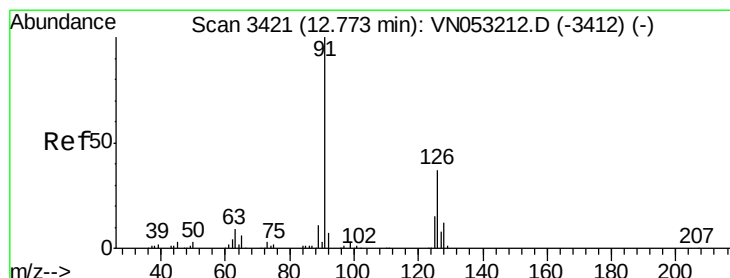
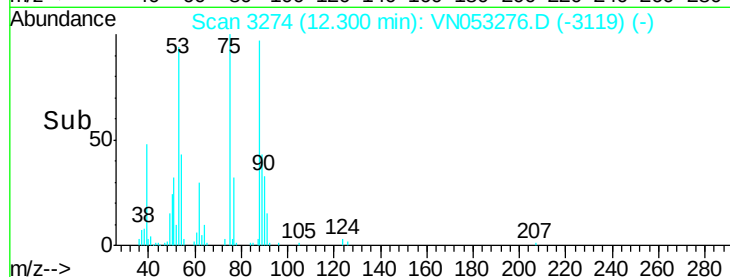
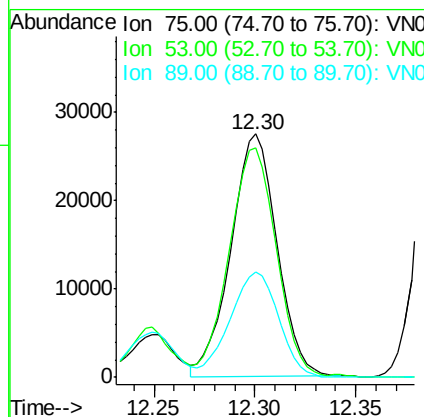
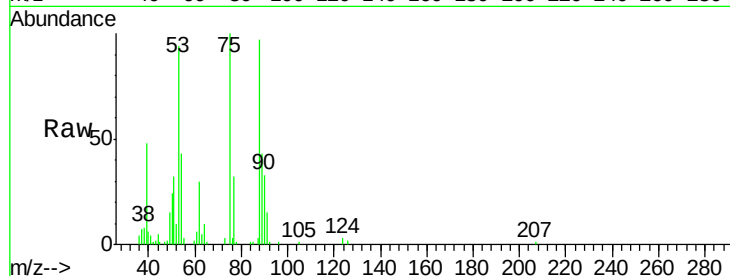
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	43634
Ion	Ratio	Lower	Upper
75	100		
53	94.1	48.5	145.6
89	43.4	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#78

4-Chlorotoluene

Concen: 18.535 ug/l

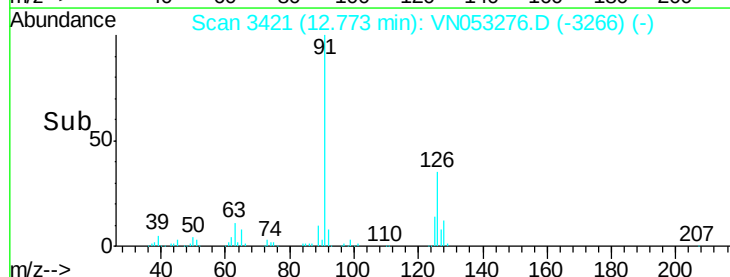
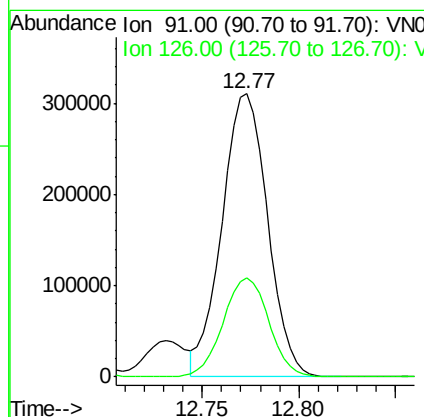
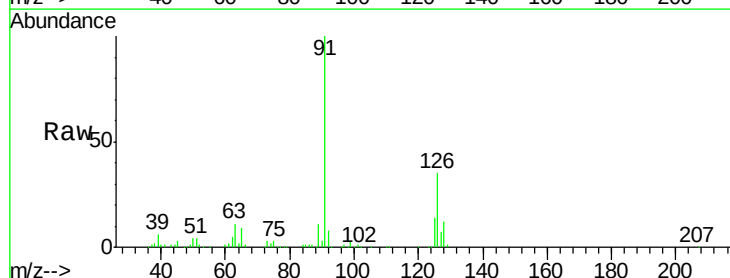
RT: 12.77 min Scan# 3421

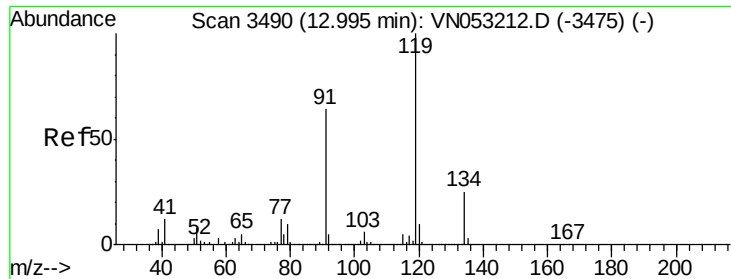
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	91	Resp:	510410
Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	68.2





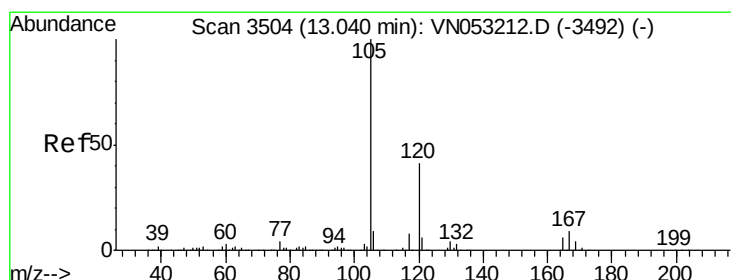
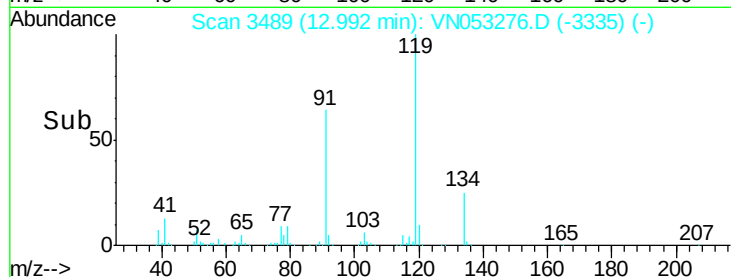
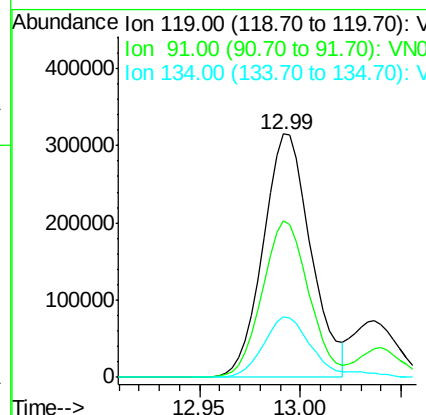
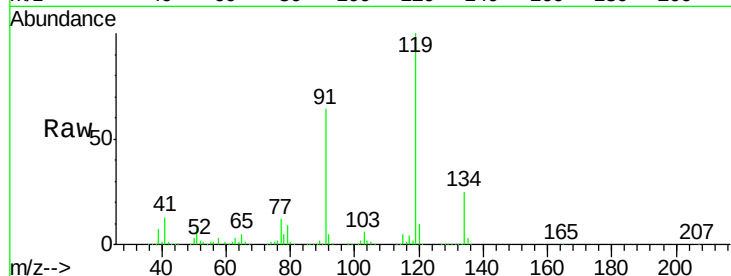
#79
tert-butylbenzene
Concen: 18.622 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	519858		
91	62.6		0.0	129.8
134	24.4		0.0	52.2

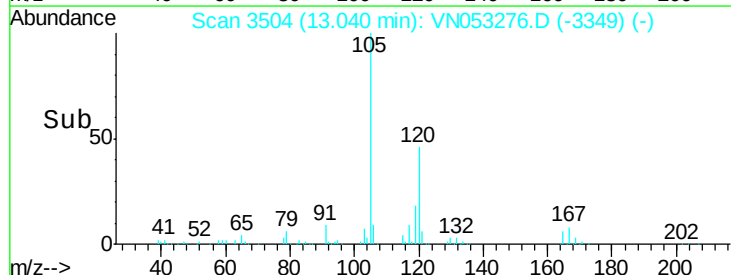
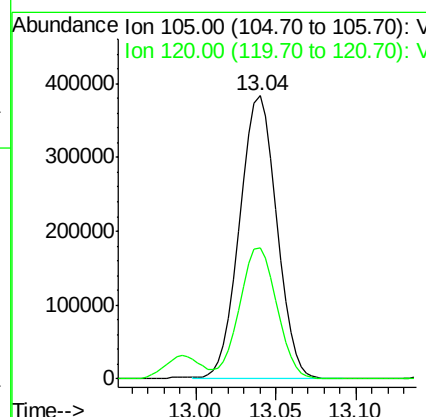
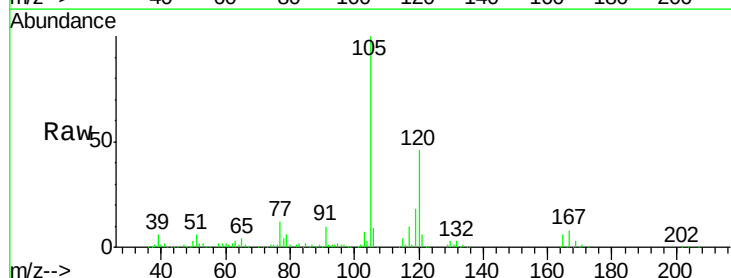
Manual Integrations
APPROVED

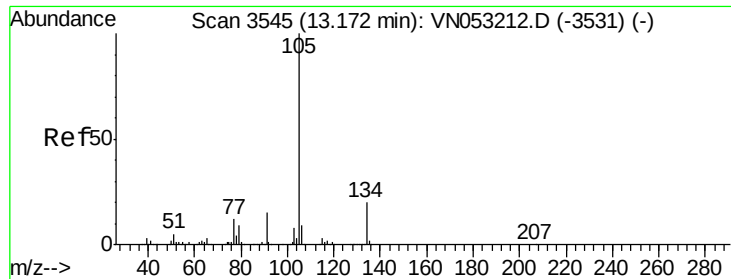
MMDadoda
1/7/2019 11:09:52 AM



#80
1,2,4-Trimethylbenzene
Concen: 18.890 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	606037		
120	46.6		0.0	91.0





#81

sec-Butylbenzene

Concen: 19.045 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

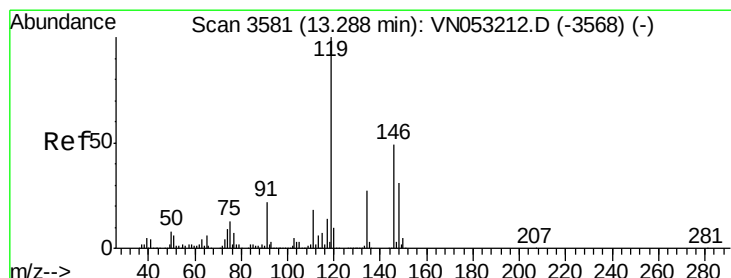
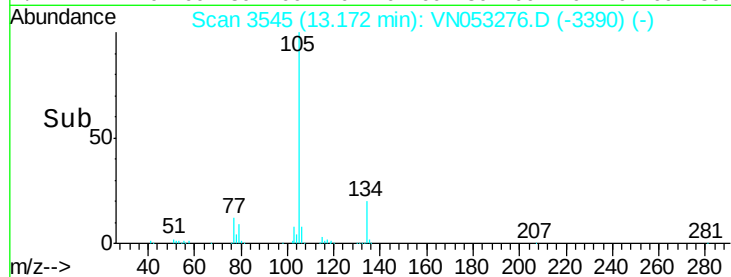
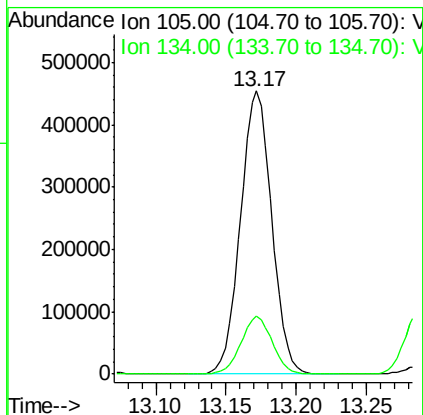
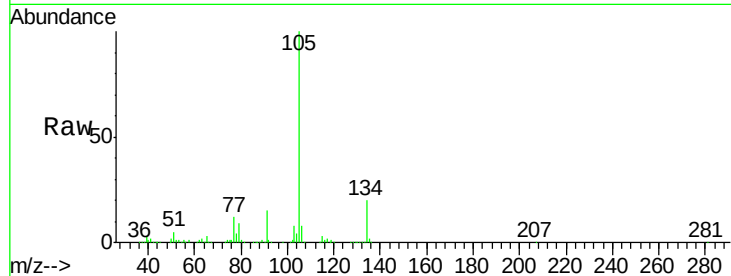
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	704022		
134	20.4	0.0	40.4	

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#82

p-Isopropyltoluene

Concen: 19.253 ug/l

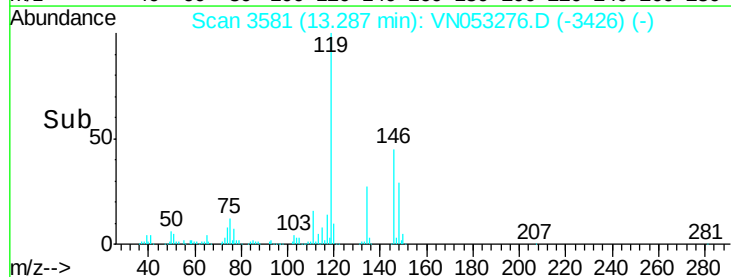
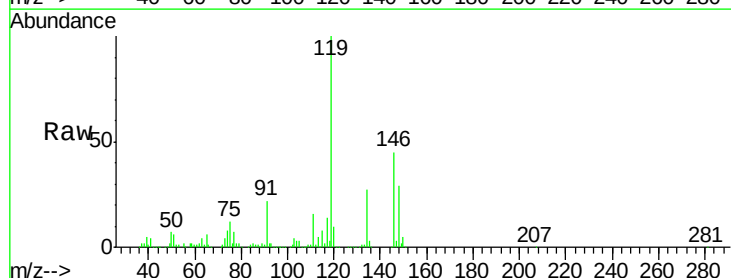
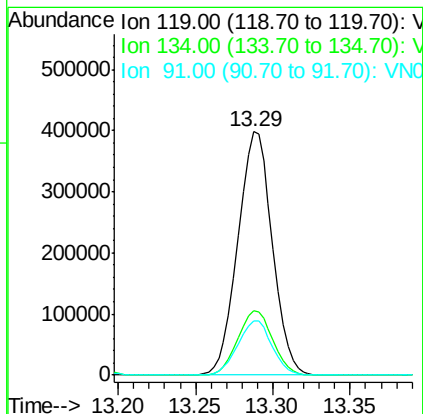
RT: 13.29 min Scan# 3581

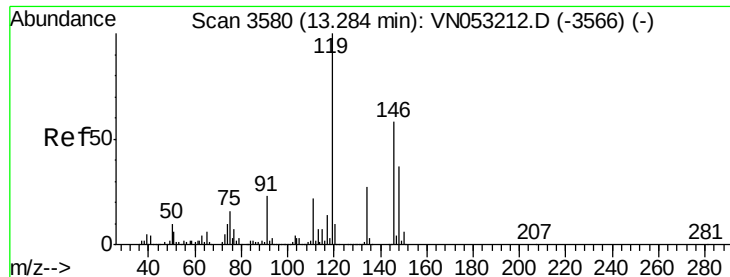
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	614990		
134	26.7	0.0	52.6	
91	22.1	0.0	46.2	





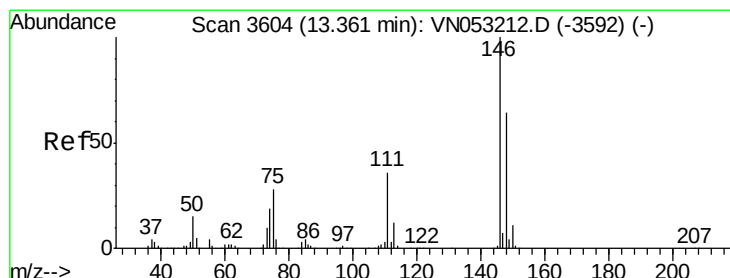
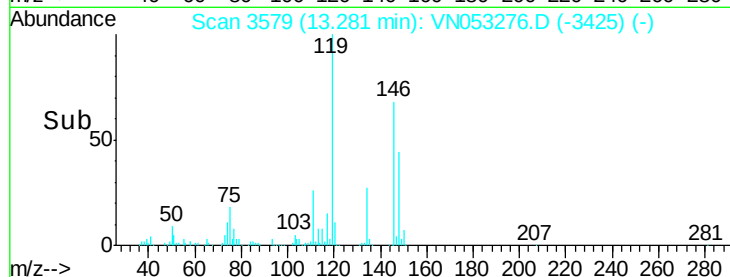
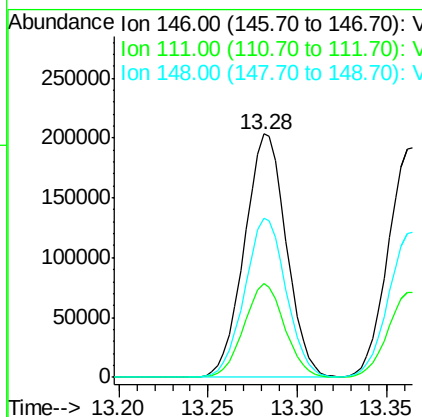
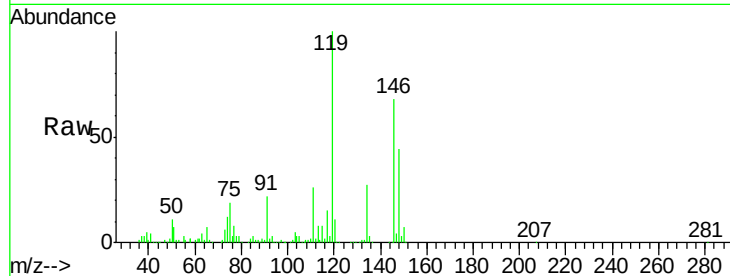
#83
 1,3-Dichlorobenzene
 Concen: 18.877 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	333379		
111	37.4	19.7	59.0	
148	64.8	32.3	96.8	

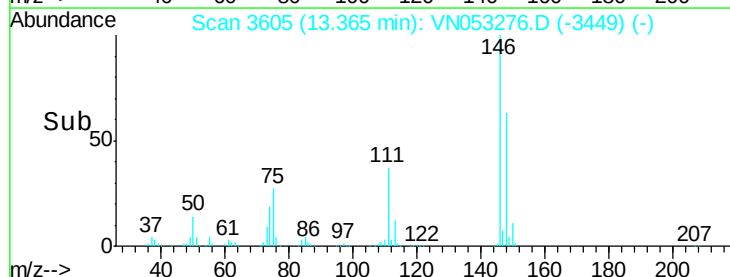
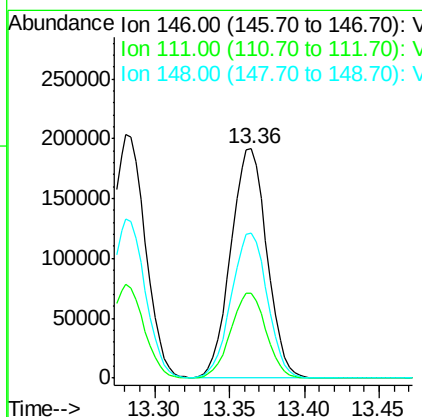
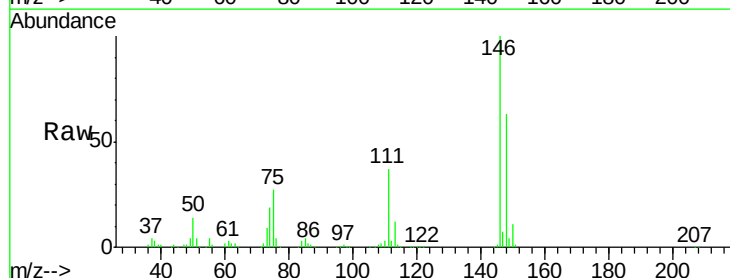
Manual Integrations
 APPROVED

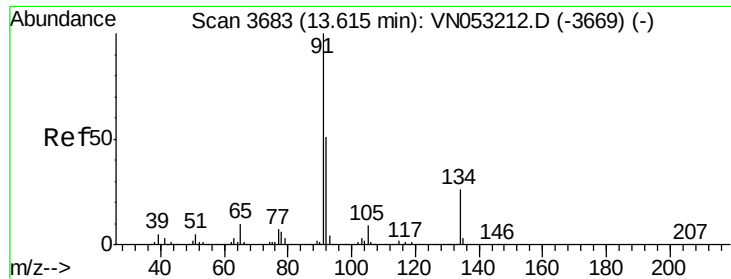
MMDadoda
 1/7/2019 11:09:52 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.703 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321973		
111	36.5	18.8	56.3	
148	63.3	32.5	97.4	





#85

n-Butylbenzene

Concen: 18.995 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Instrument :

MSVOA_N

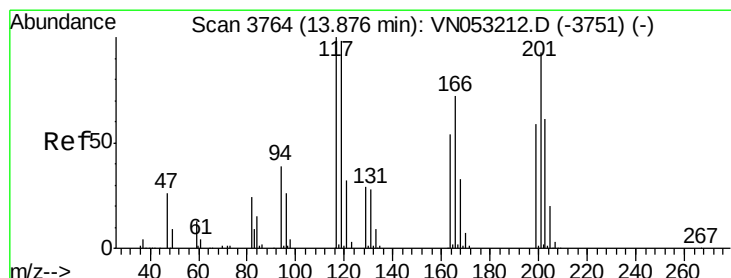
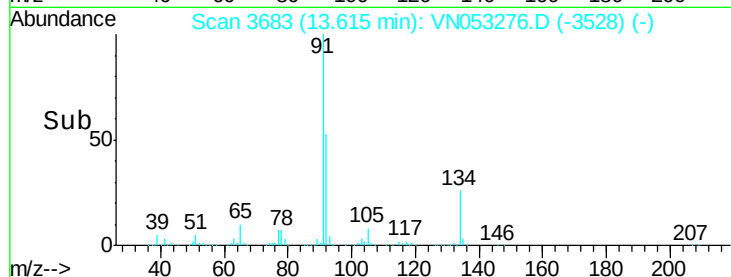
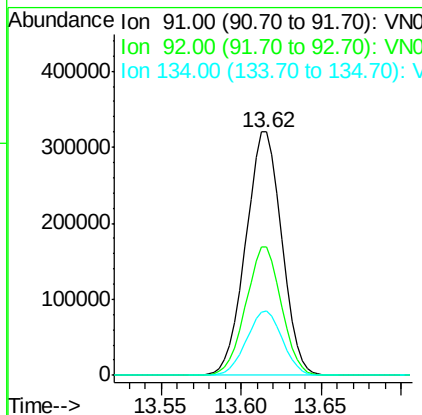
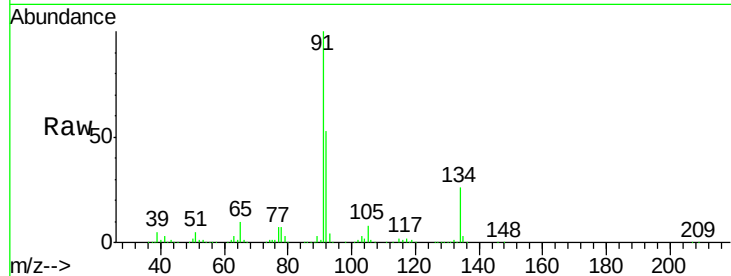
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	493431
Ion Ratio	Lower	Upper	
91	100		
92	52.2	0.0	104.2
134	26.3	0.0	50.6

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#86

Hexachloroethane

Concen: 17.454 ug/l

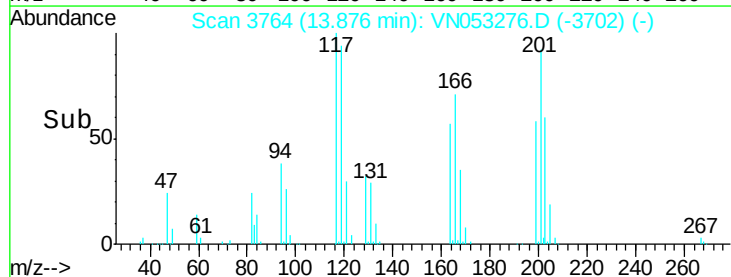
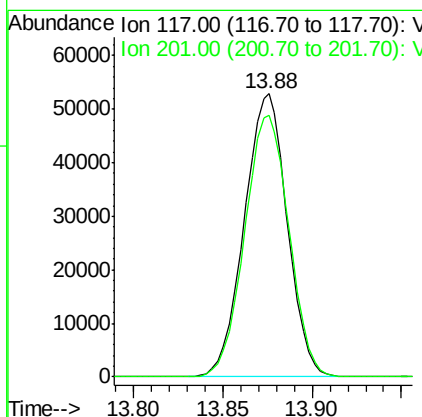
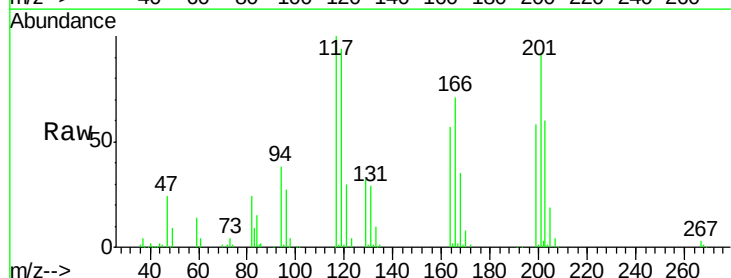
RT: 13.88 min Scan# 3764

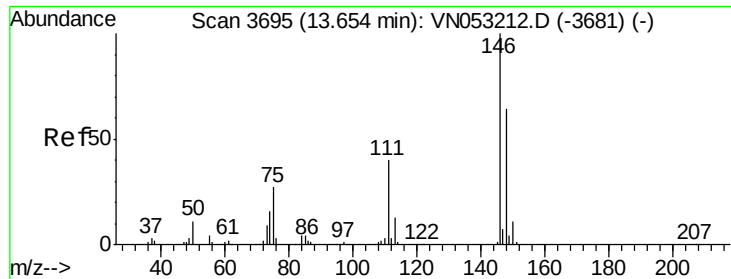
Delta R.T. -0.00 min

Lab File: VN053276.D

Acq: 4 Jan 2019 8:55

Tgt Ion:	117	Resp:	89015
Ion Ratio	Lower	Upper	
117	100		
201	95.1	43.8	131.3





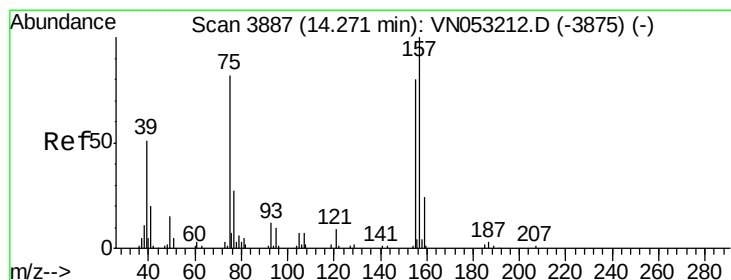
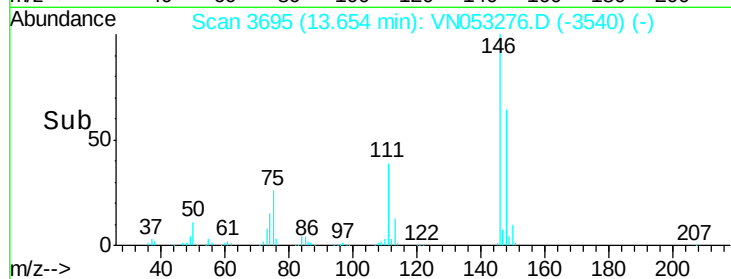
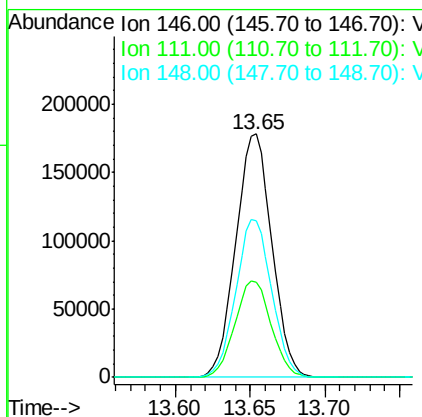
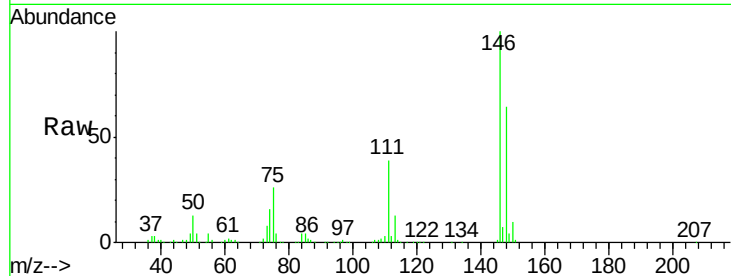
#87
 1,2-Dichlorobenzene
 Concen: 18.257 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299597		
111	39.8	20.3	60.8	
148	64.5	32.1	96.5	

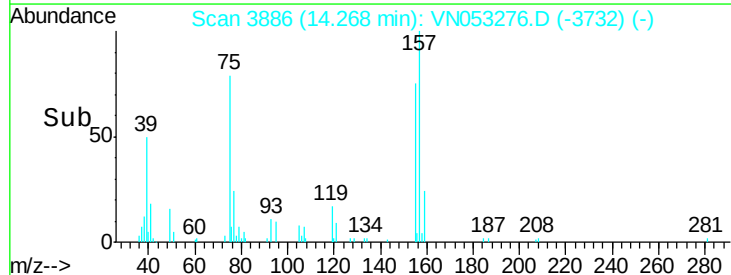
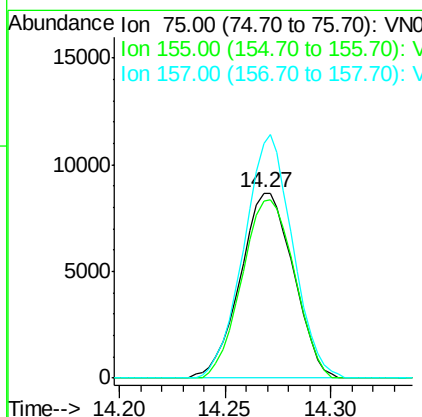
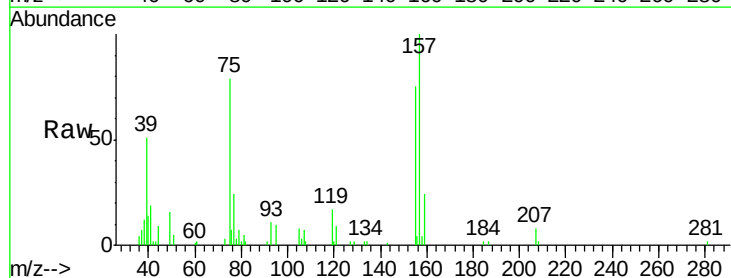
Manual Integrations
 APPROVED

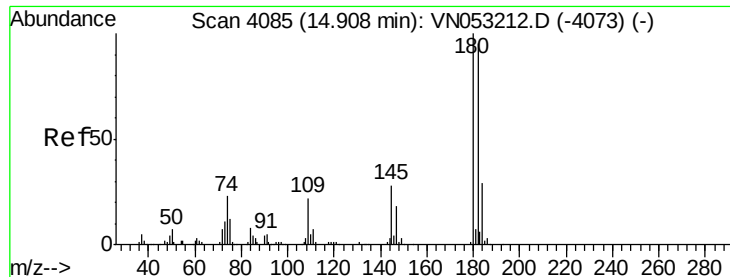
MMDadoda
 1/7/2019 11:09:52 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 12.493 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15176		
155	95.4	72.2	108.2	
157	120.6	94.2	141.2	





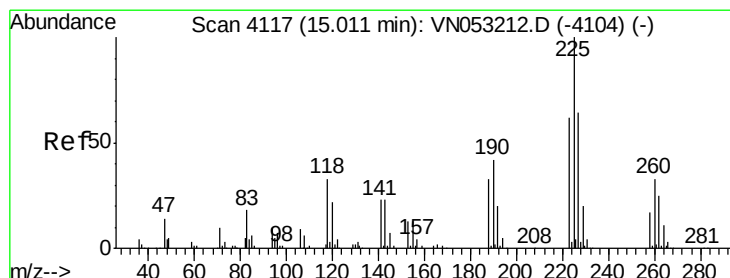
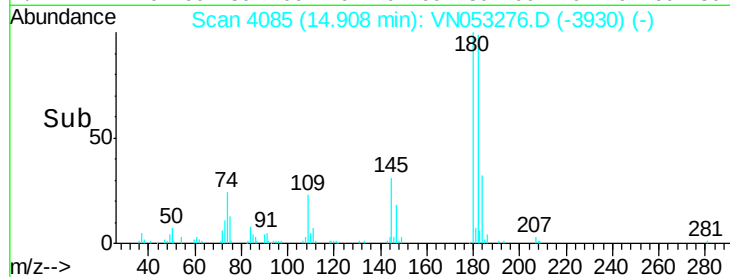
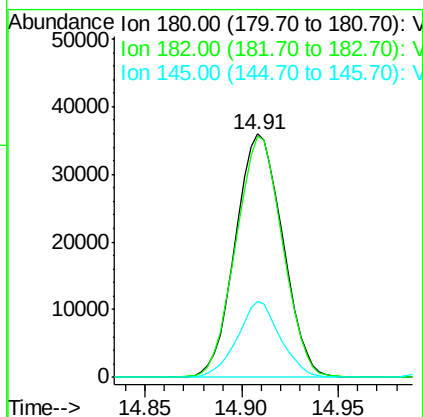
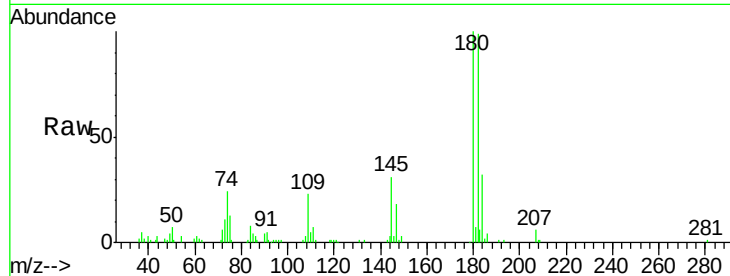
#89
 1,2,4-Trichlorobenzene
 Concen: 7.656 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60982		
182	97.8		76.6	114.8
145	28.5		23.6	35.4

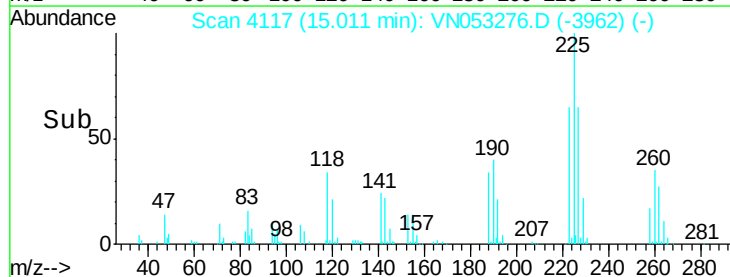
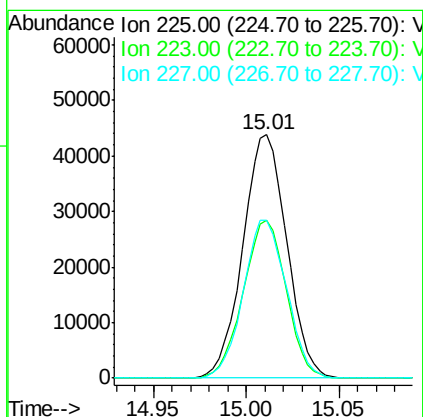
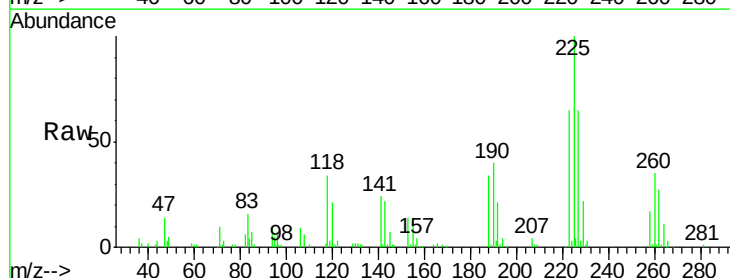
Manual Integrations
 APPROVED

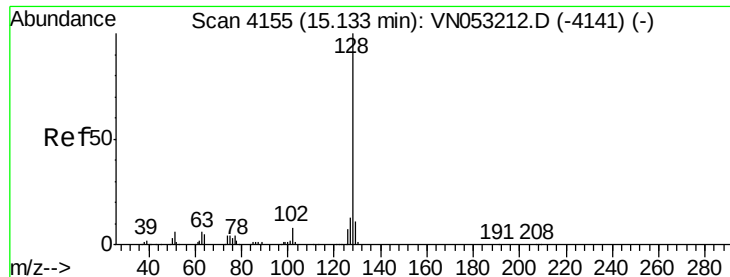
MMDadoda
 1/7/2019 11:09:52 AM



#90
 Hexachlorobutadiene
 Concen: 14.977 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053276.D
 Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72205		
223	63.0		0.0	125.6
227	63.8		0.0	127.8





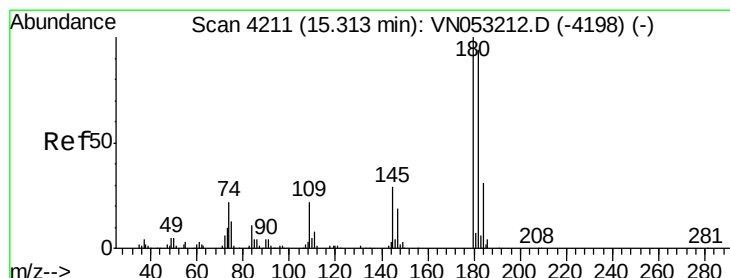
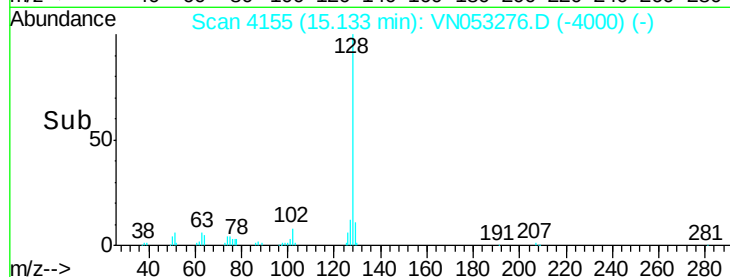
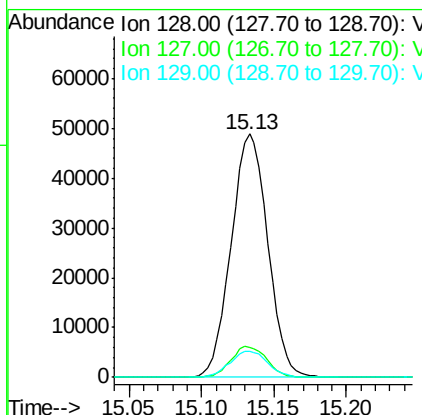
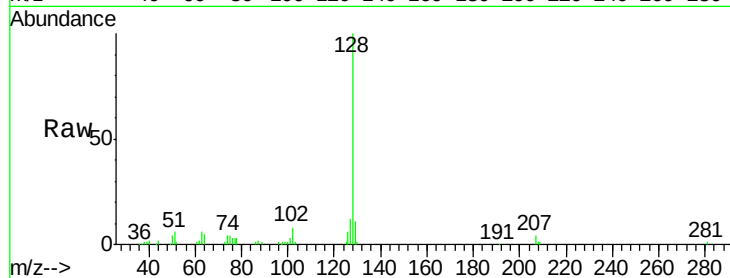
#91
Naphthalene
Concen: 5.089 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:52 AM



#92
1,2,3-Trichlorobenzene
Concen: 4.805 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053276.D
Acq: 4 Jan 2019 8:55

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.0	0.0	196.2
145	29.3	0.0	62.2

