

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053290.D
 Acq On : 4 Jan 2019 19:29
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:20 AM

Quant Time: Jan 07 09:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	893341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1359371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	633083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1371120	149.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.82%	
35) Dibromofluoromethane	7.59	113	1200315	156.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.16%	
50) Toluene-d8	10.09	98	5075992	152.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.94%	
62) 4-Bromofluorobenzene	12.40	95	1846499	160.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1242892	153.244	ug/l	99
3) Chloromethane	2.06	50	1701183	158.253	ug/l	99
4) Vinyl Chloride	2.19	62	1601723	152.478	ug/l	100
5) Bromomethane	2.55	94	1074192	163.084	ug/l	99
6) Chloroethane	2.70	64	938490	153.837	ug/l	100
7) Trichlorofluoromethane	3.02	101	2017135	152.311	ug/l	100
8) Diethyl Ether	3.41	74	821002	154.856	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1278764	153.532	ug/l	100
10) Methyl Iodide	3.96	142	2027967	164.262	ug/l	100
11) Tert butyl alcohol	4.78	59	428297	721.718	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1269655	154.062	ug/l	99
13) Acrolein	3.61	56	550081	811.929	ug/l	99
14) Allyl chloride	4.33	41	2042655	158.339	ug/l	99
15) Acrylonitrile	4.99	53	2583966	763.318	ug/l	99
16) Acetone	3.81	43	1669920	738.996	ug/l	99
17) Carbon Disulfide	4.06	76	4009864	159.517	ug/l	100
18) Methyl Acetate	4.32	43	1227451	158.763	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3600477	154.501	ug/l	99
20) Methylene Chloride	4.55	84	1465376	154.474	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1368673	154.762	ug/l	99
22) Diisopropyl ether	5.95	45	4372167	151.204	ug/l	99
23) Vinyl Acetate	5.90	43	14362391	772.930	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2526776	152.884	ug/l	100
25) 2-Butanone	6.83	43	2851537	750.819	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1875552	157.090	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1563881	153.173	ug/l	99
28) Bromochloromethane	7.20	49	1090801	148.493	ug/l	99
29) Tetrahydrofuran	7.21	42	1896167	749.069	ug/l	100
30) Chloroform	7.37	83	2448976	151.209	ug/l	99
31) Cyclohexane	7.65	56	2380048	152.700	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2109091	155.839	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1968707	156.510	ug/l	100
37) Ethyl Acetate	6.93	43	1280934	153.078	ug/l	99
38) Carbon Tetrachloride	7.78	117	1860465	158.209	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053290.D
 Acq On : 4 Jan 2019 19:29
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:20 AM

Quant Time: Jan 07 09:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2319329	157.824	ug/l	100
40) Benzene	8.04	78	5913425	152.953	ug/l	100
41) Methacrylonitrile	7.18	41	801463m	168.037	ug/l	
42) 1,2-Dichloroethane	8.12	62	1731701	152.445	ug/l	100
43) Isopropyl Acetate	8.16	43	2322448	153.630	ug/l	99
44) Trichloroethene	8.84	130	1611805	152.915	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1565700	154.407	ug/l	99
46) Dibromomethane	9.21	93	910178	152.257	ug/l	100
47) Bromodichloromethane	9.40	83	1925201	156.187	ug/l	100
48) Methyl methacrylate	9.20	41	1187169	156.819	ug/l	99
49) 1,4-Dioxane	9.20	88	242043	2760.834	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	6410411	762.659	ug/l	100
52) Toluene	10.16	92	3706318	153.420	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2099168	161.798	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	2355768	157.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1325525	152.824	ug/l	99
56) Ethyl methacrylate	10.43	69	1902830	159.885	ug/l	100
57) 1,3-Dichloropropane	10.71	76	2280406	155.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4996716	785.844	ug/l	100
59) 2-Hexanone	10.75	43	4429427	760.646	ug/l	99
60) Dibromochloromethane	10.90	129	1540838	158.917	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1386517	157.860	ug/l	99
64) Tetrachloroethene	10.63	164	1712491	140.866	ug/l	100
65) Chlorobenzene	11.43	112	4207575	151.297	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1495240	152.448	ug/l	100
67) Ethyl Benzene	11.51	91	7334280	152.497	ug/l	100
68) m/p-Xylenes	11.62	106	5559380	303.247	ug/l	99
69) o-Xylene	11.95	106	2707847	152.420	ug/l	99
70) Styrene	11.96	104	4517190	153.455	ug/l	100
71) Bromoform	12.13	173	1121136	158.222	ug/l #	99
73) Isopropylbenzene	12.25	105	7096083	147.909	ug/l	100
74) N-amyl acetate	12.07	43	2200529	150.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1576861	148.487	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1319134m	146.710	ug/l	
77) Bromobenzene	12.53	156	1889131	150.574	ug/l	100
78) n-propylbenzene	12.59	91	8211221	150.119	ug/l	99
79) 2-Chlorotoluene	12.68	91	4813212	148.954	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5823739	150.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	540577	161.297	ug/l	97
82) 4-Chlorotoluene	12.77	91	5029155	151.850	ug/l	100
83) tert-Butylbenzene	12.99	119	5023915	150.750	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5987344	152.071	ug/l	100
85) sec-Butylbenzene	13.17	105	6779222	152.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	6024014	154.204	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3351505	152.720	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3321445	153.280	ug/l	99
89) n-Butylbenzene	13.62	91	5162065	159.620	ug/l	100
90) Hexachloroethane	13.88	117	1023527	164.444	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	3041937	146.112	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	196788	141.691	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
Data File : VN053290.D
Acq On : 4 Jan 2019 19:29
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM

Quant Time: Jan 07 09:33:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:27:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1043991	151.327	ug/l	100
94) Hexachlorobutadiene	15.01	225	747677	136.710	ug/l	99
95) Naphthalene	15.13	128	1874150	156.504	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	691275	155.771	ug/l	99

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

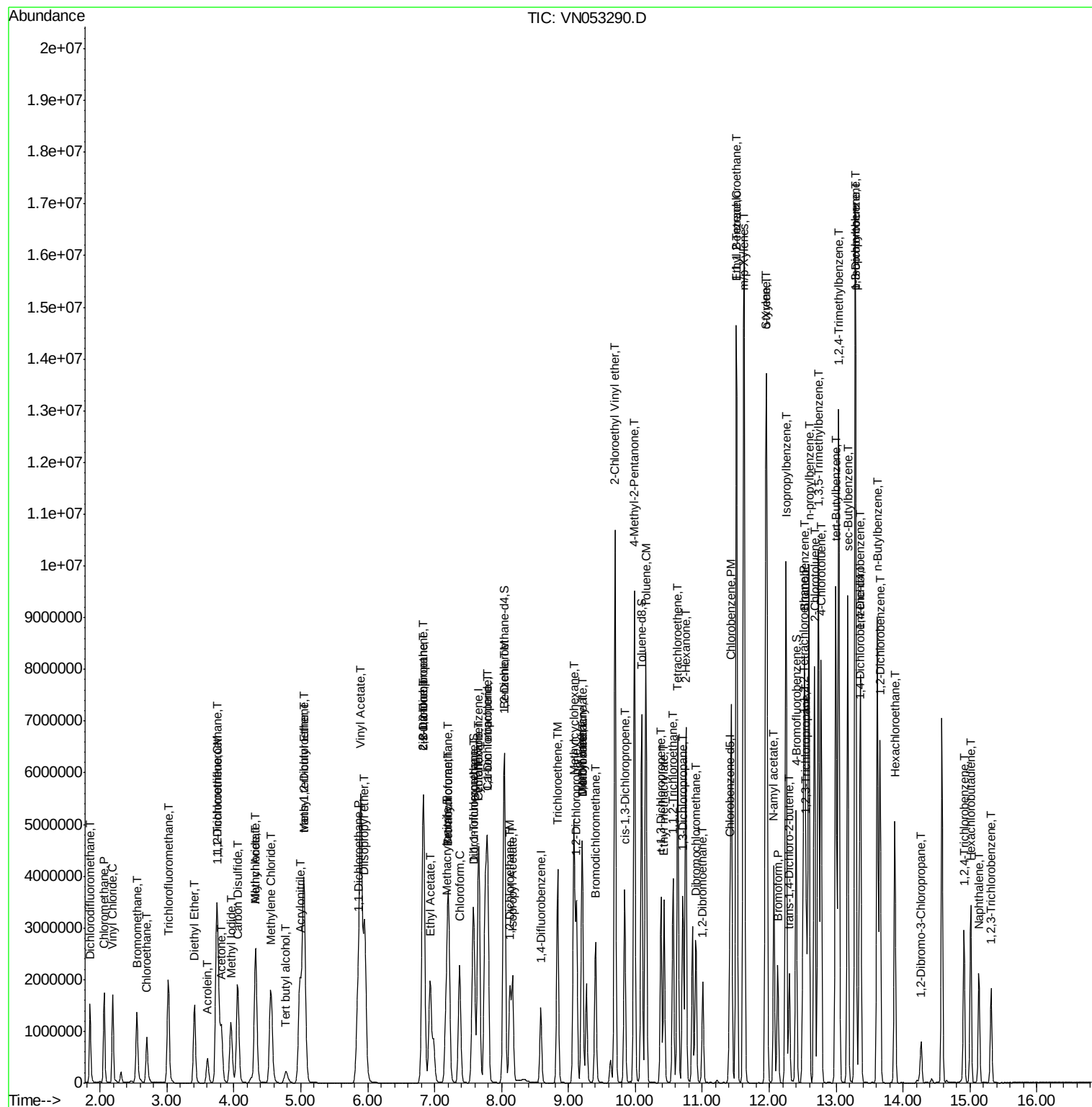
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010519\
Data File : VN053290.D
Acq On : 4 Jan 2019 19:29
Operator : MD\SY
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 28

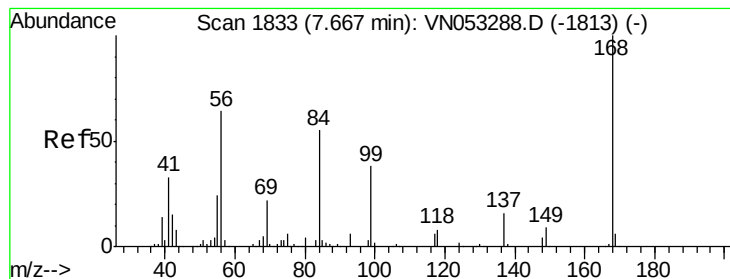
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM

Quant Time: Jan 07 09:33:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:27:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 893341

Ion Ratio Lower Upper

168 100

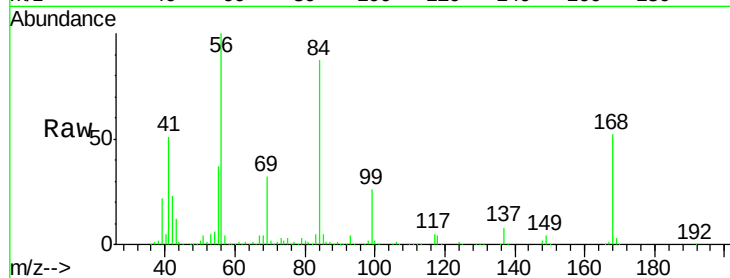
99 49.2 39.1 58.7

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

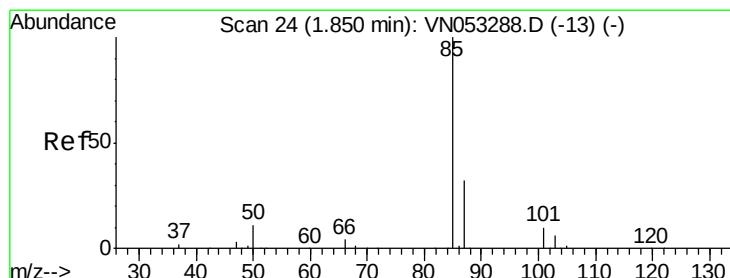
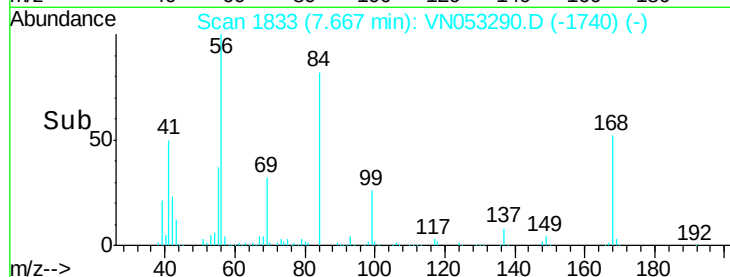
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 153.244 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053290.D

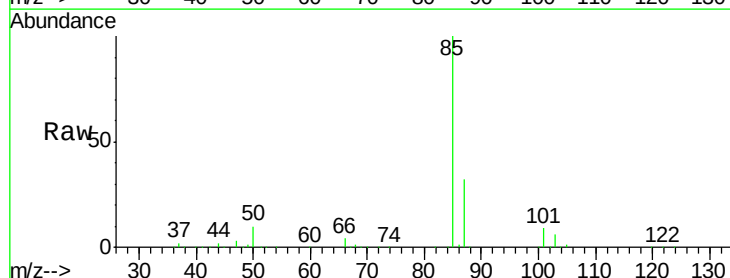
Acq: 4 Jan 2019 19:29

Tgt Ion: 85 Resp: 1242892

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000000

800000

600000

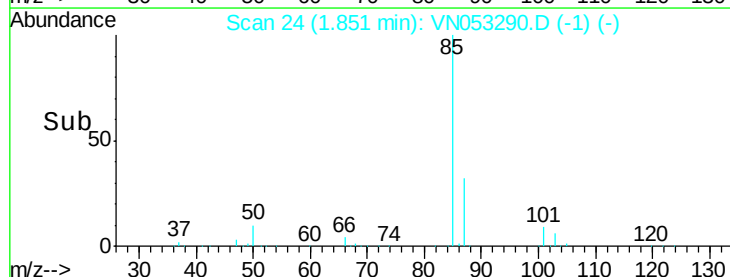
400000

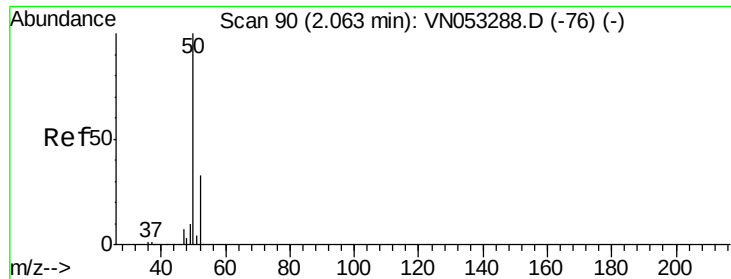
200000

0

1.80 1.85 1.90 2.00

Time-->





#3

Chloromethane

Concen: 158.253 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1701183

Ion Ratio Lower Upper

50 100

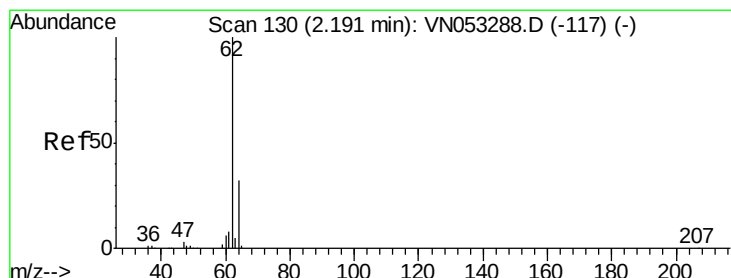
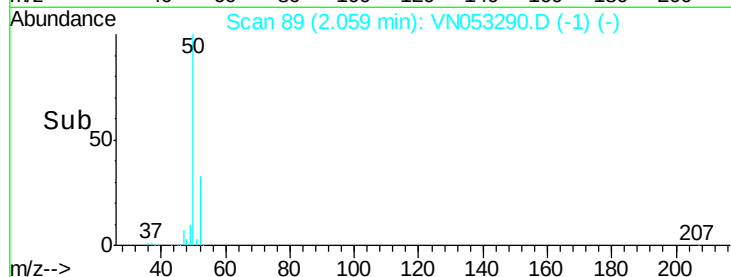
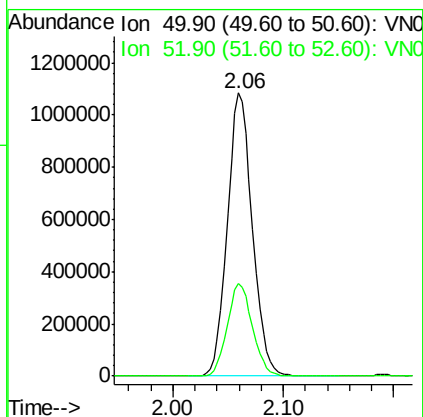
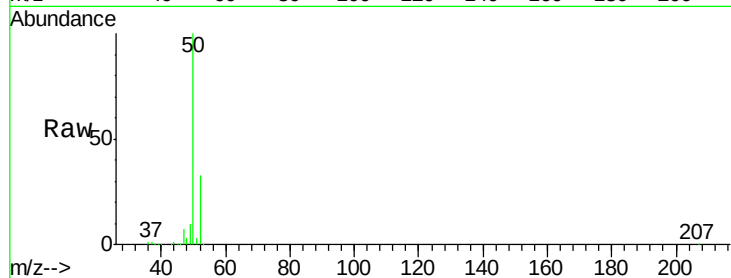
52 32.7 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



#4

Vinyl Chloride

Concen: 152.478 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053290.D

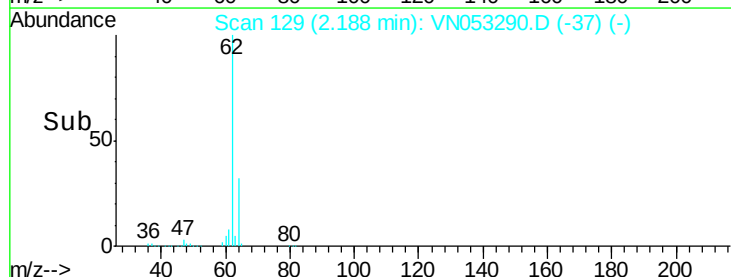
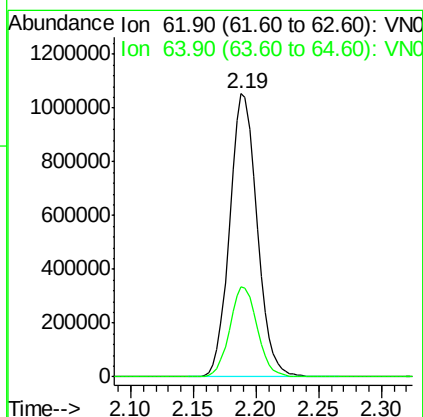
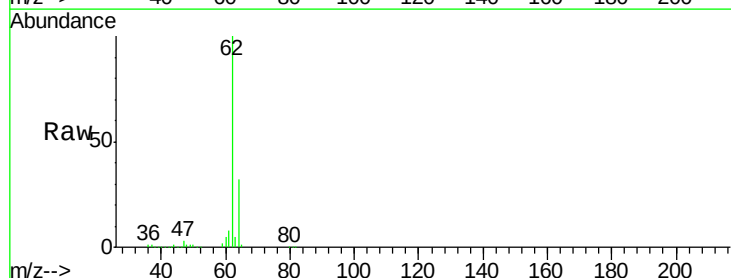
Acq: 4 Jan 2019 19:29

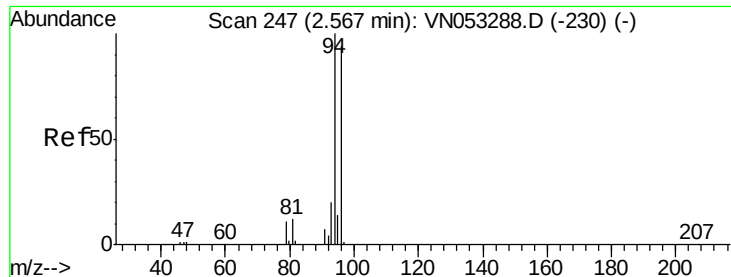
Tgt Ion: 62 Resp: 1601723

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 163.084 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 1074192

Ion Ratio Lower Upper

94 100

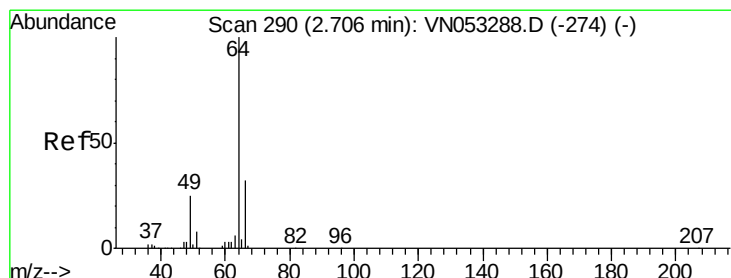
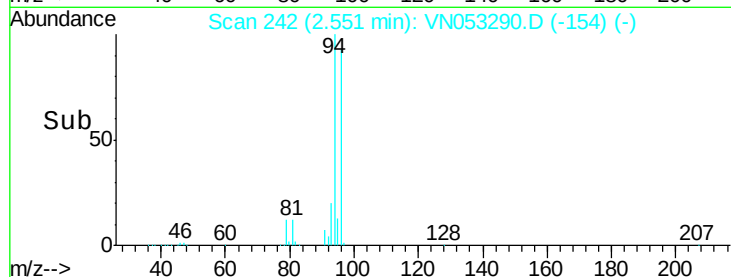
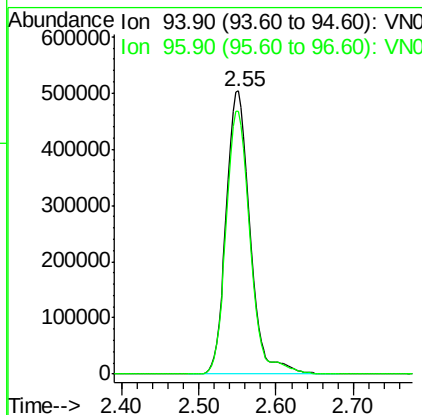
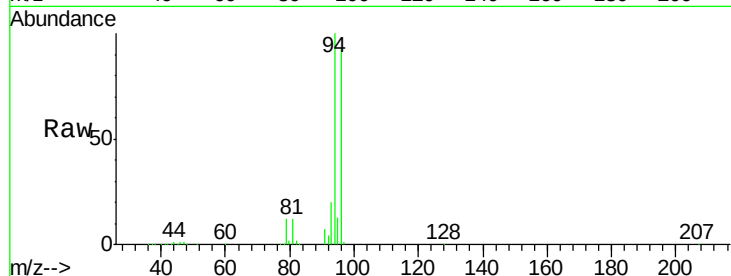
96 92.8 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



#6

Chloroethane

Concen: 153.837 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053290.D

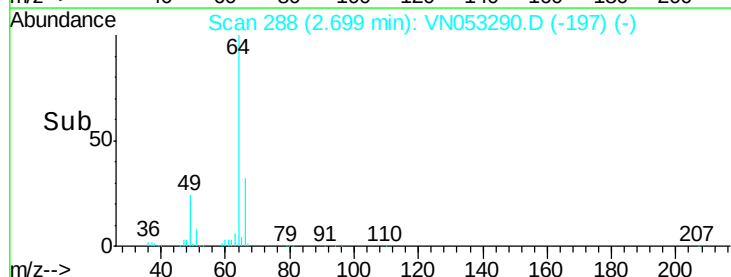
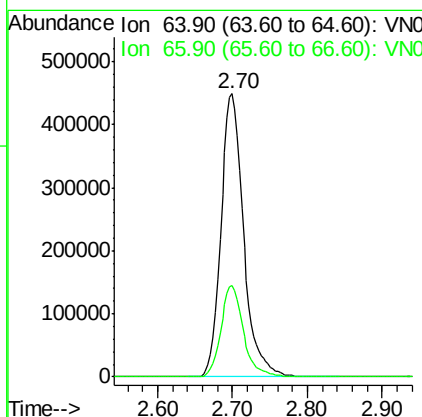
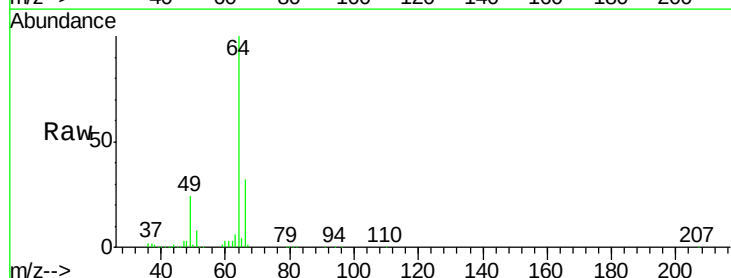
Acq: 4 Jan 2019 19:29

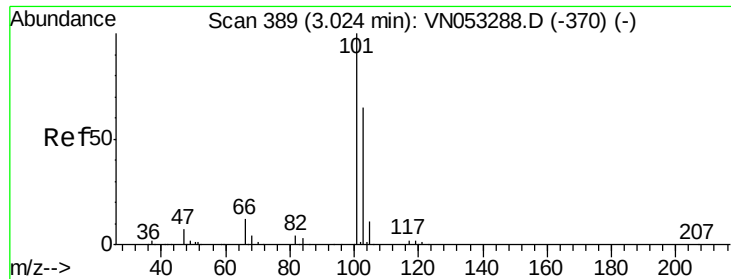
Tgt Ion: 64 Resp: 938490

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4





#7

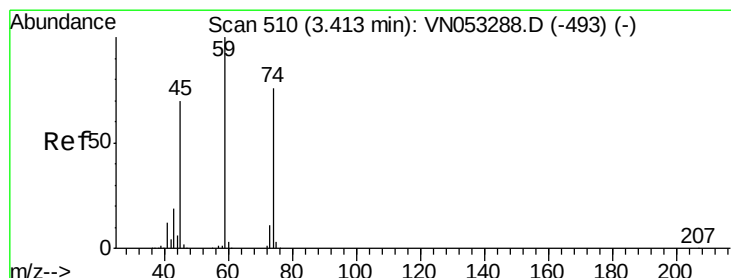
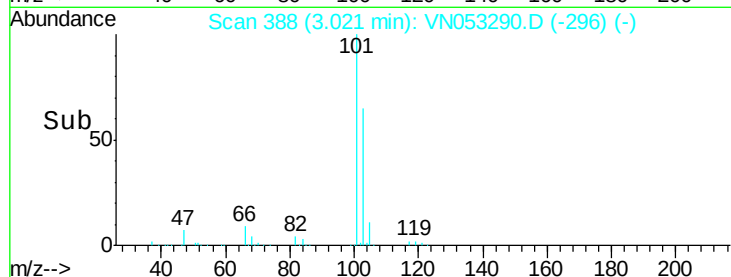
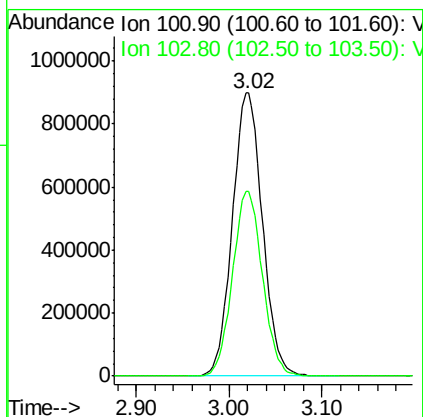
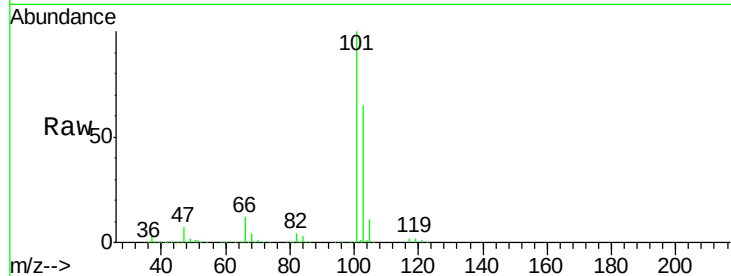
Trichlorofluoromethane
Concen: 152.311 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:101 Resp: 2017135
Ion Ratio Lower Upper
101 100
103 65.4 52.1 78.1

Manual Integrations
APPROVED

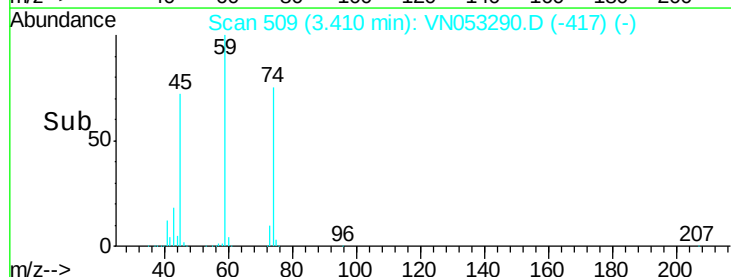
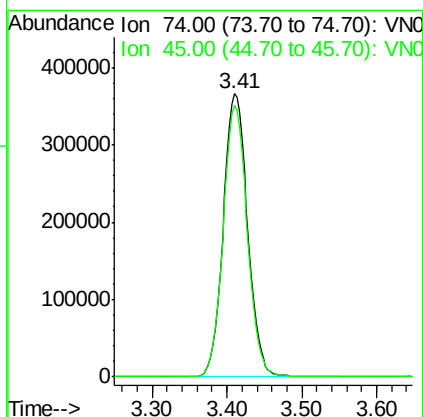
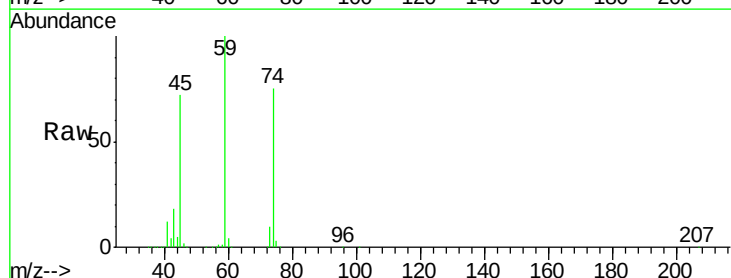
MMDadoda
1/8/2019 10:24:20 AM

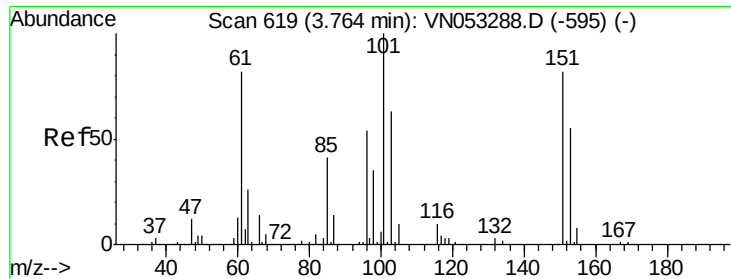


#8

Diethyl Ether
Concen: 154.856 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 74 Resp: 821002
Ion Ratio Lower Upper
74 100
45 95.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.532 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1278764

Ion Ratio Lower Upper

101 100

85 41.2 33.3 49.9

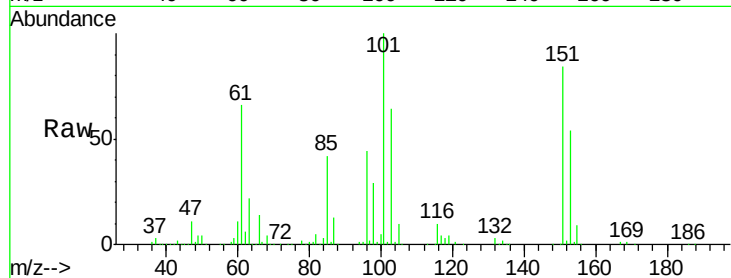
151 83.9 67.0 100.4

Manual Integrations

APPROVED

MMDadoda

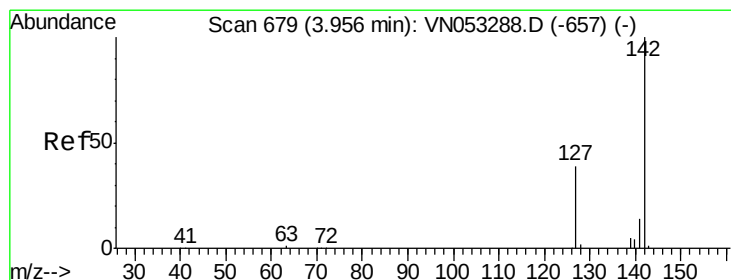
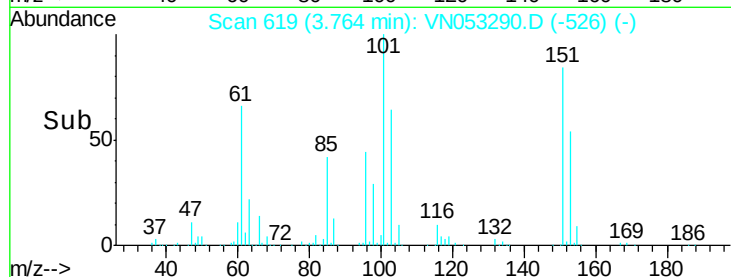
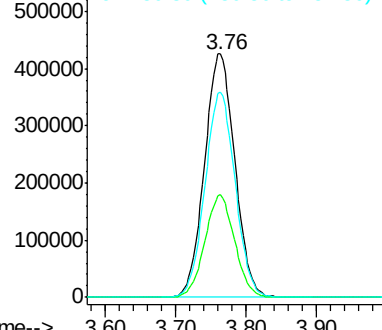
1/8/2019 10:24:20 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN053290.D (-526) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 164.262 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

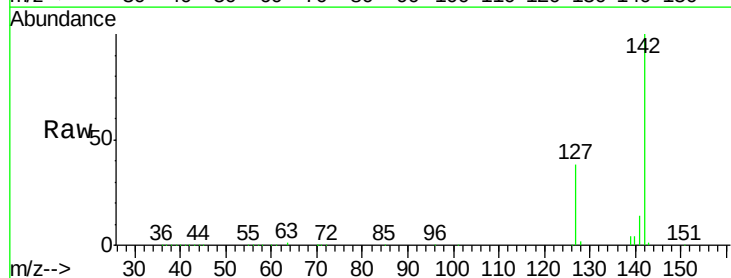
Tgt Ion:142 Resp: 2027967

Ion Ratio Lower Upper

142 100

127 38.3 30.9 46.3

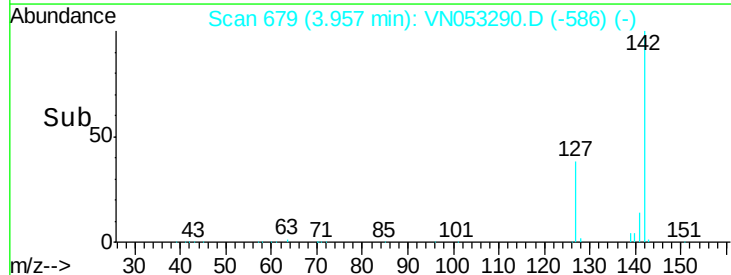
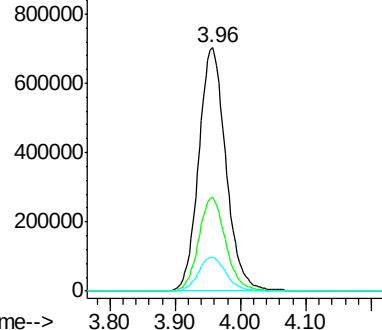
141 14.2 11.2 16.8

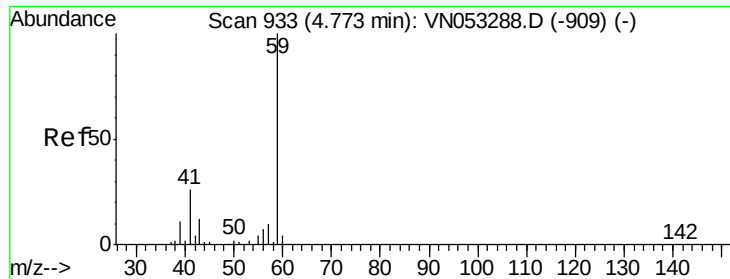


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





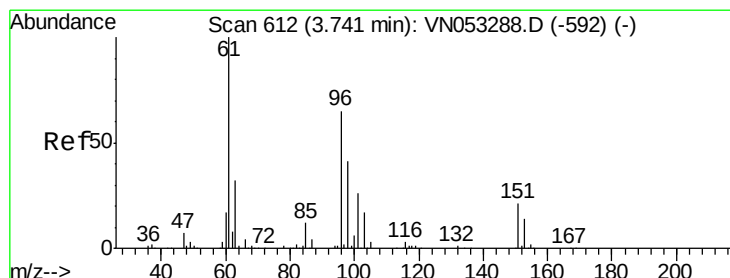
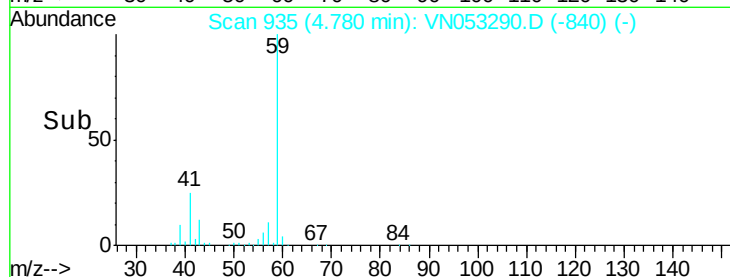
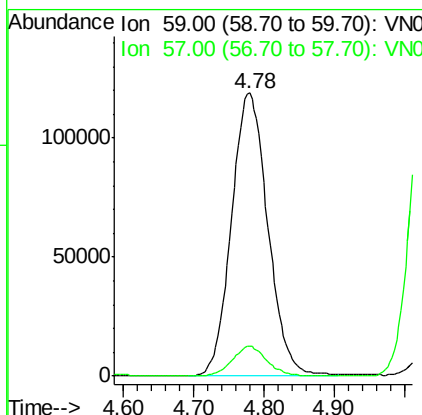
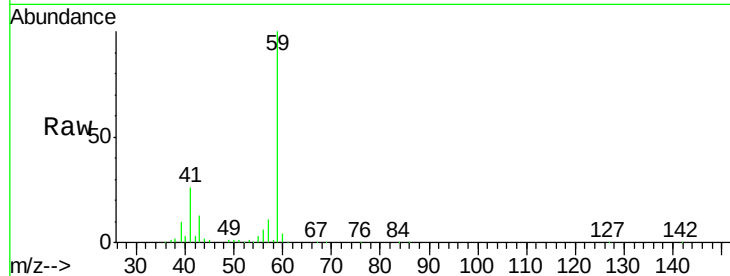
#11
Tert butyl alcohol
Concen: 721.718 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

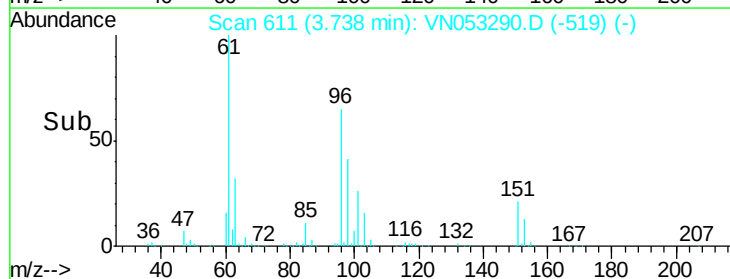
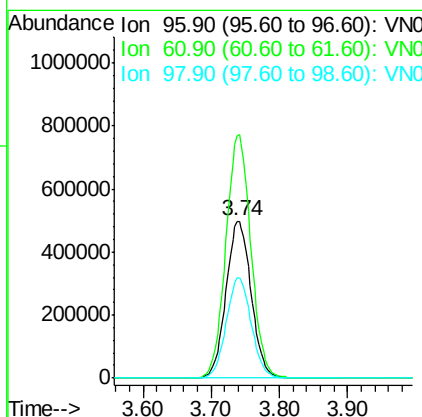
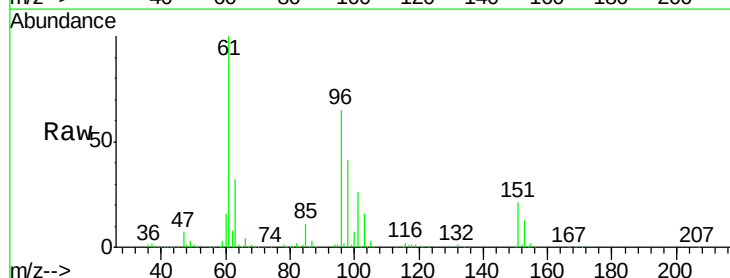
Manual Integrations
APPROVED

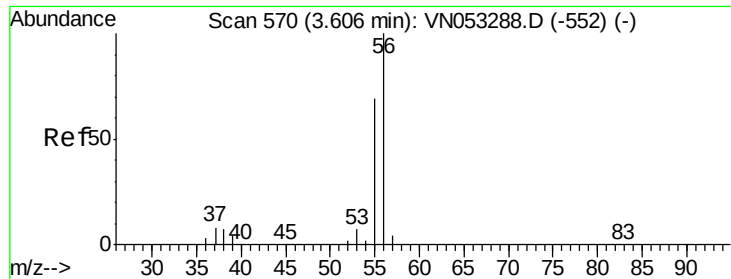
MMDadoda
1/8/2019 10:24:20 AM



#12
1,1-Dichloroethene
Concen: 154.062 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	123.2	184.8
98	63.9	50.5	75.7





#13

Acrolein

Concen: 811.929 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 550081

Ion Ratio Lower Upper

56 100

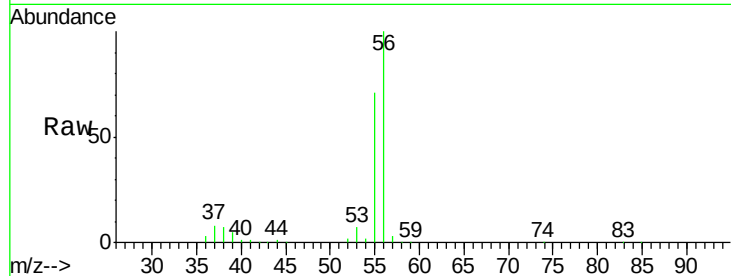
55 71.4 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250000

200000

150000

100000

50000

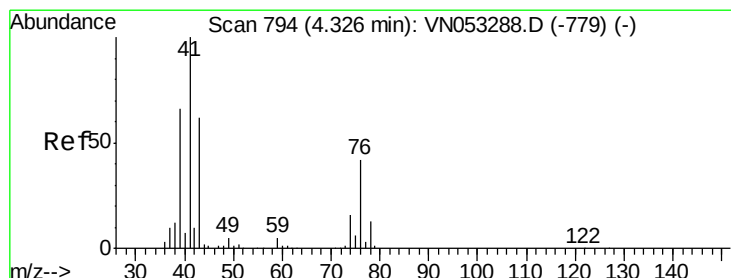
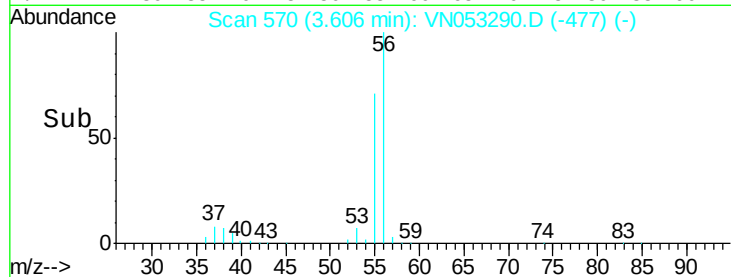
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 158.339 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

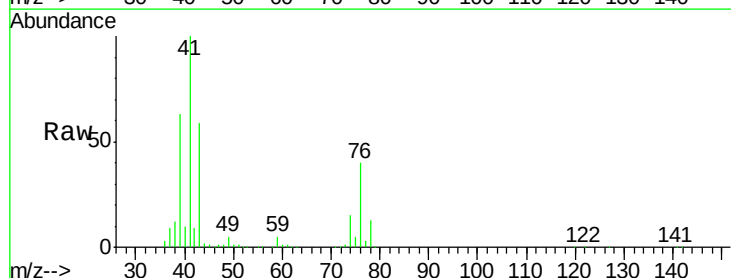
Tgt Ion: 41 Resp: 2042655

Ion Ratio Lower Upper

41 100

39 64.2 51.9 77.9

76 39.4 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

1000000

800000

600000

400000

200000

0

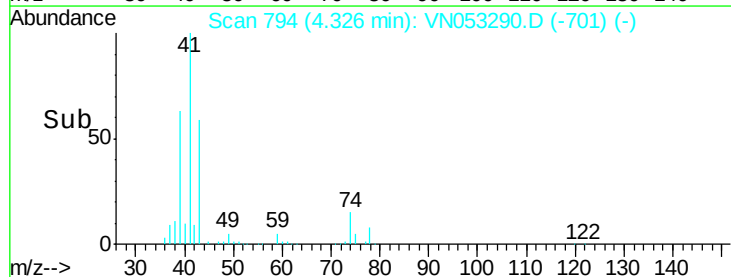
4.20

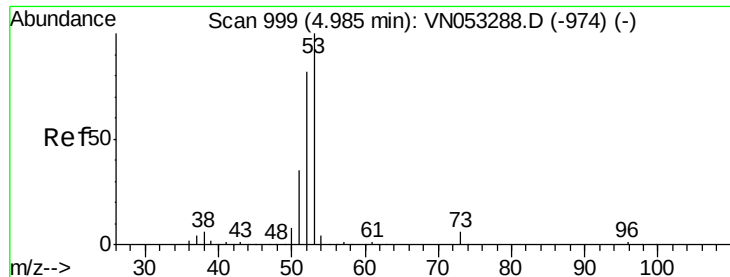
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 763.318 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 53 Resp: 2583966

Ion Ratio Lower Upper

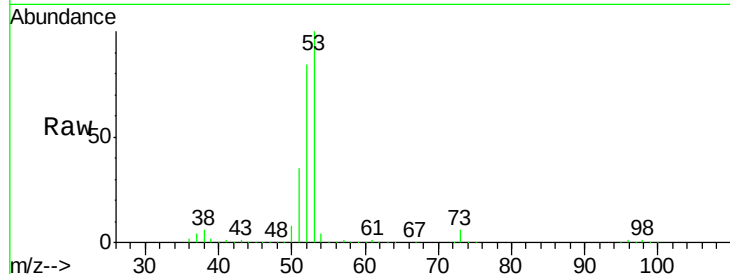
53 100

52 82.2 65.2 97.8

51 35.2 28.0 42.0

Manual Integrations
APPROVED

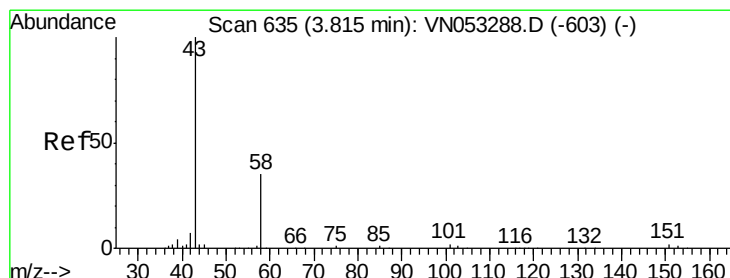
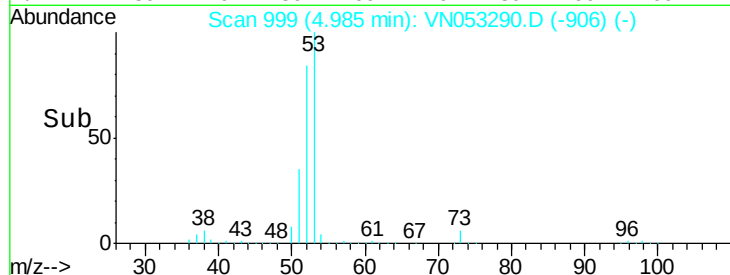
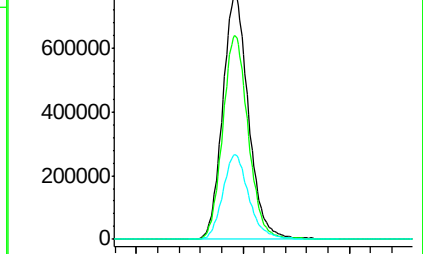
MMDadoda
1/8/2019 10:24:20 AM



Abundance Ion 53.00 (52.70 to 53.70): VN053288.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053288.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053288.D (-974) (-)



#16

Acetone

Concen: 738.996 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053290.D

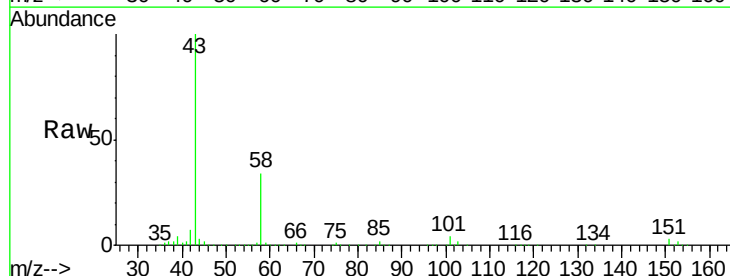
Acq: 4 Jan 2019 19:29

Tgt Ion: 43 Resp: 1669920

Ion Ratio Lower Upper

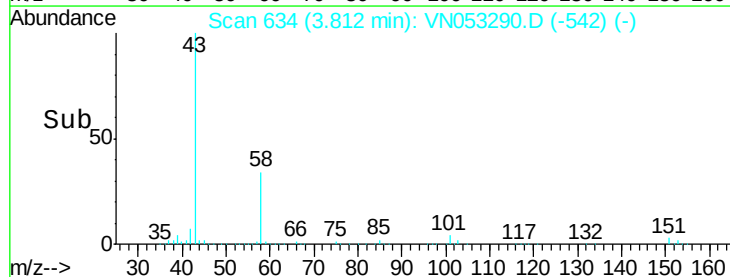
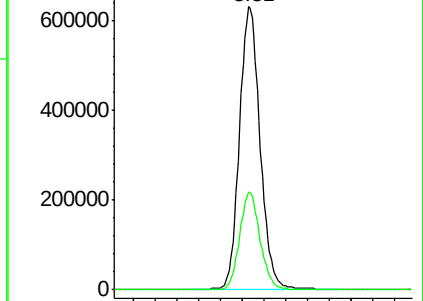
43 100

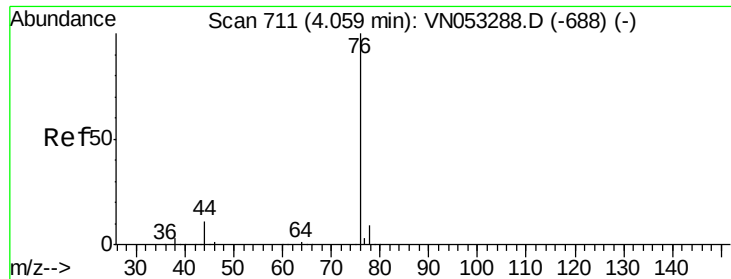
58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)





#17

Carbon Disulfide

Concen: 159.517 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 4009864

Ion Ratio Lower Upper

76 100

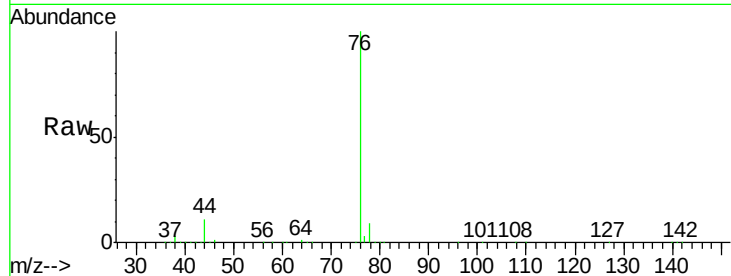
78 9.1 7.2 10.8

Manual Integrations

APPROVED

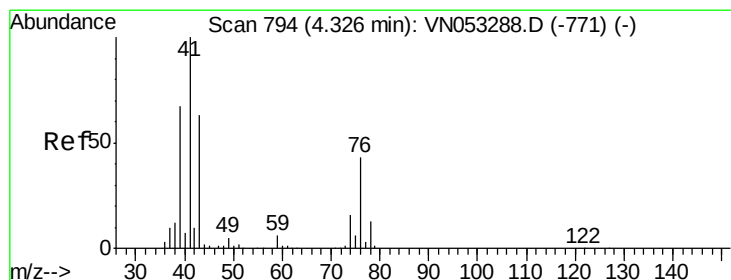
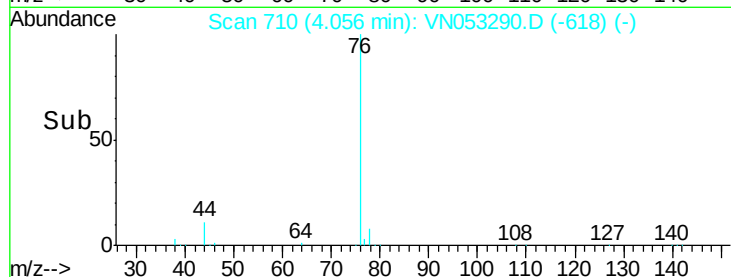
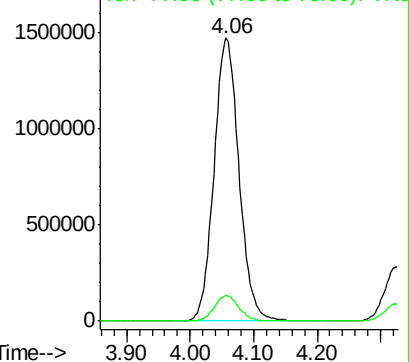
MMDadoda

1/8/2019 10:24:20 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 158.763 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053290.D

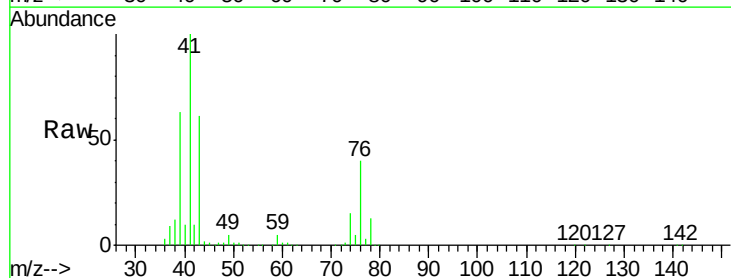
Acq: 4 Jan 2019 19:29

Tgt Ion: 43 Resp: 1227451

Ion Ratio Lower Upper

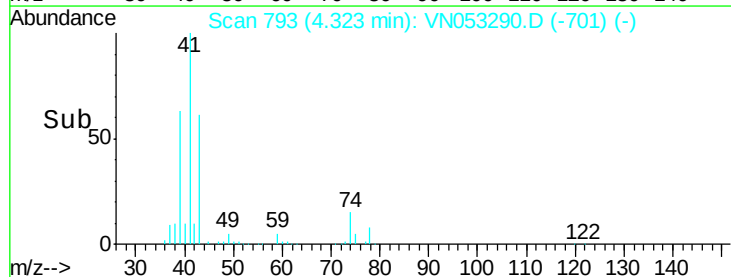
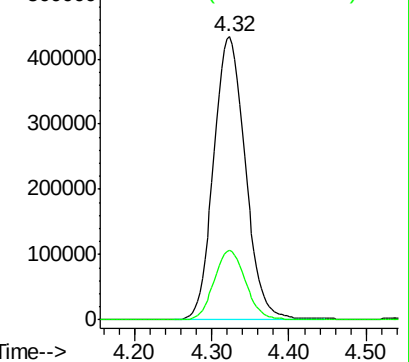
43 100

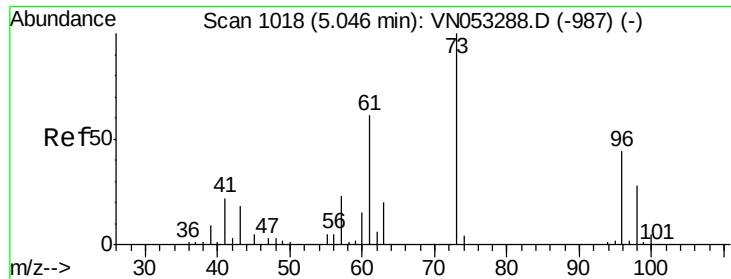
74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





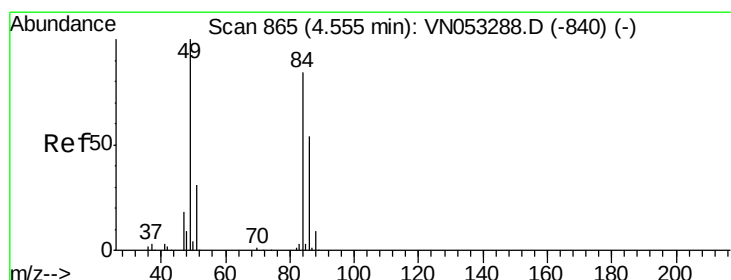
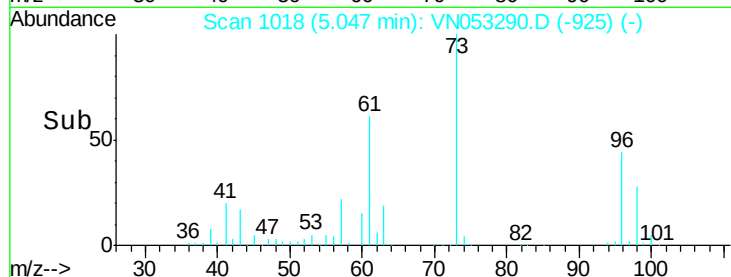
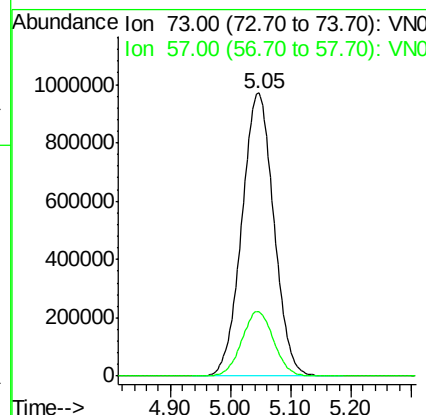
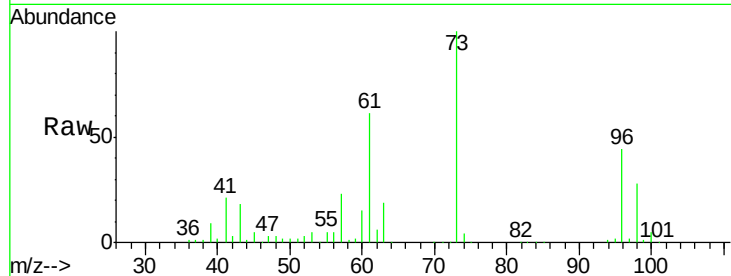
#19
Methyl tert-butyl Ether
Concen: 154.501 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 3600477
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

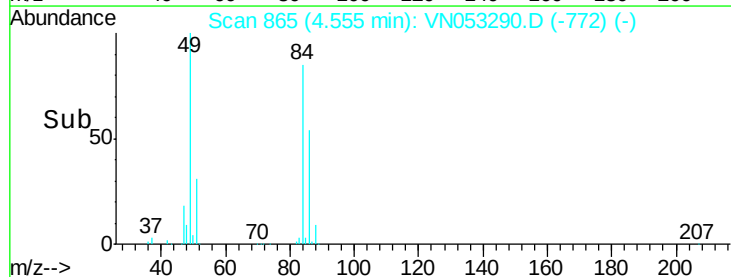
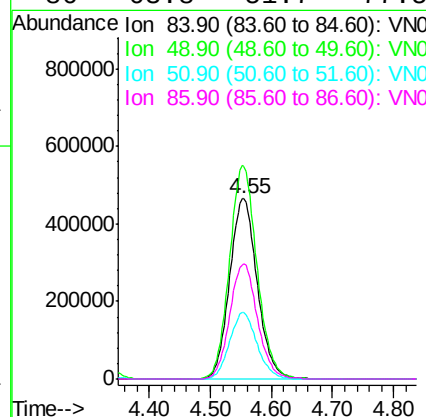
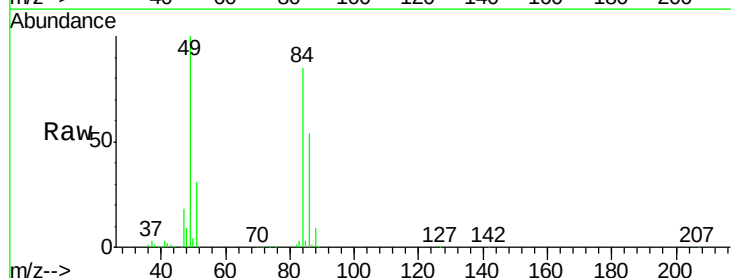
Manual Integrations
APPROVED

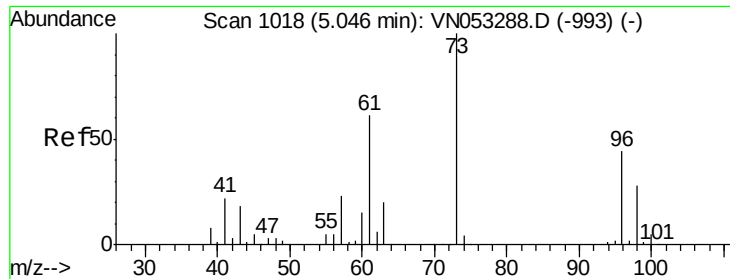
MMDadoda
1/8/2019 10:24:20 AM



#20
Methylene Chloride
Concen: 154.474 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 84 Resp: 1465376
Ion Ratio Lower Upper
84 100
49 118.0 95.3 142.9
51 36.8 29.0 43.6
86 63.8 51.7 77.5





#21

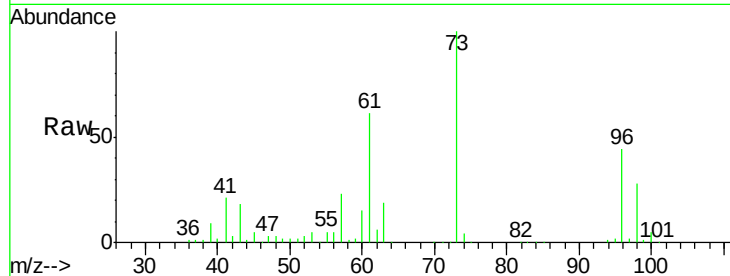
trans-1,2-Dichloroethene
Concen: 154.762 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

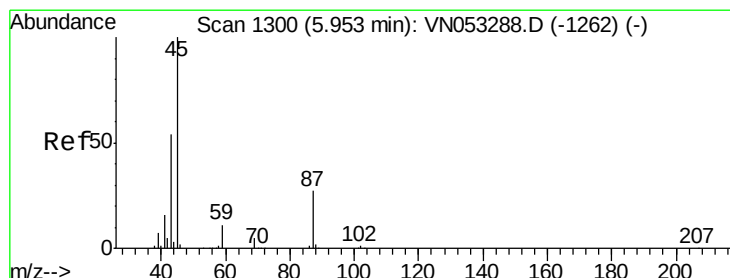
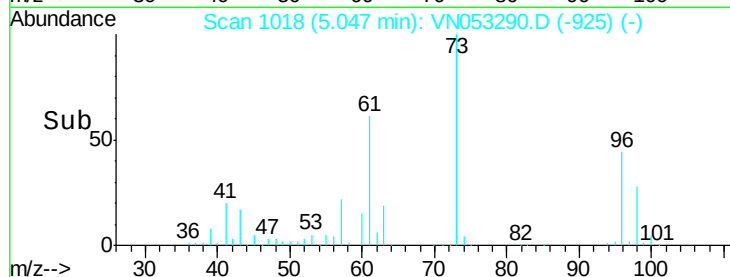
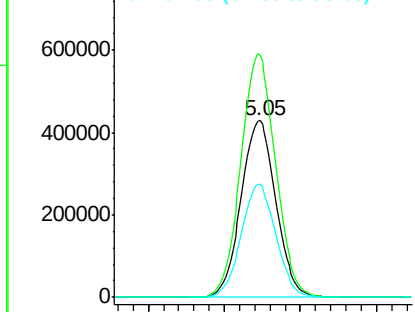
Tot Ion: 96 Resp: 1368673
Ion Ratio Lower Upper
96 100
61 137.3 110.2 165.4
98 64.1 50.7 76.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



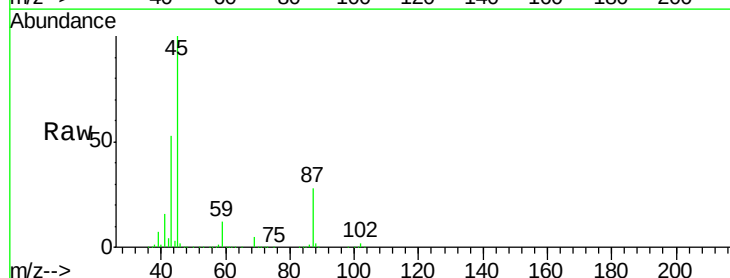
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



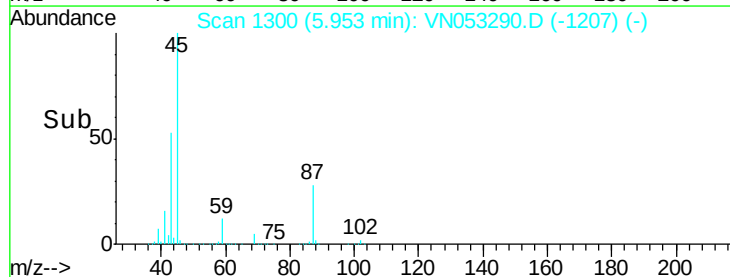
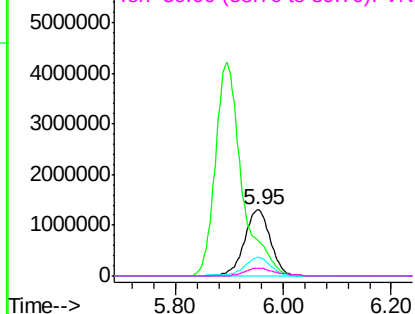
#22

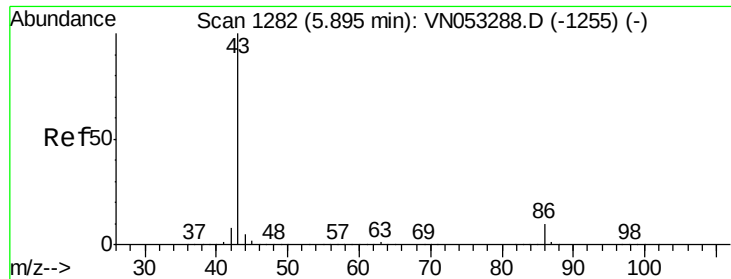
Diisopropyl ether
Concen: 151.204 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 45 Resp: 4372167
Ion Ratio Lower Upper
45 100
43 52.8 43.0 64.6
87 28.1 22.1 33.1
59 11.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





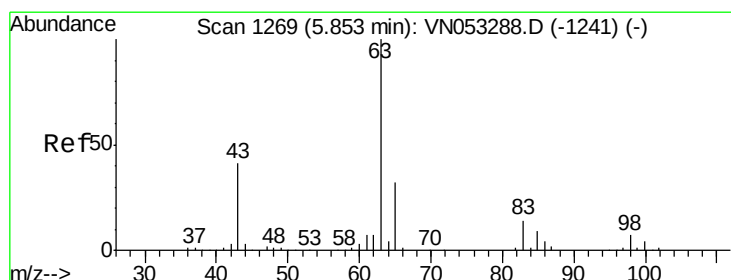
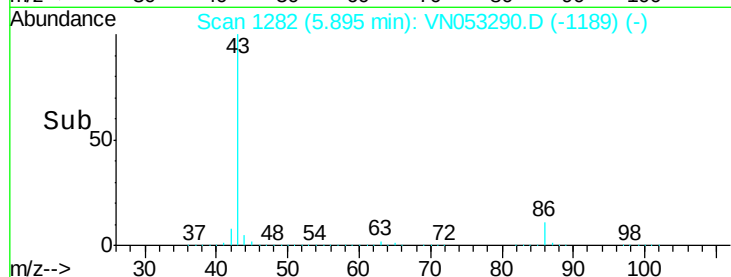
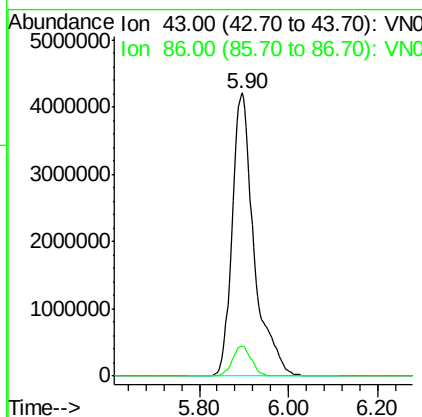
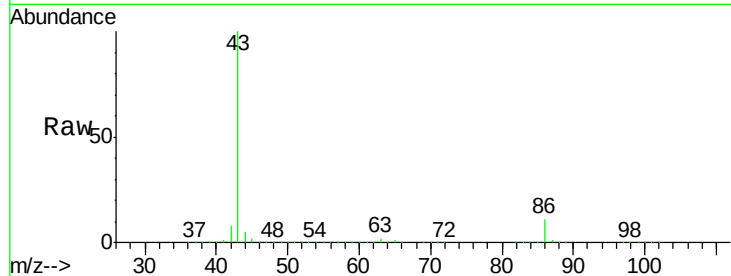
#23
 Vinyl Acetate
 Concen: 772.930 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp:14362391
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

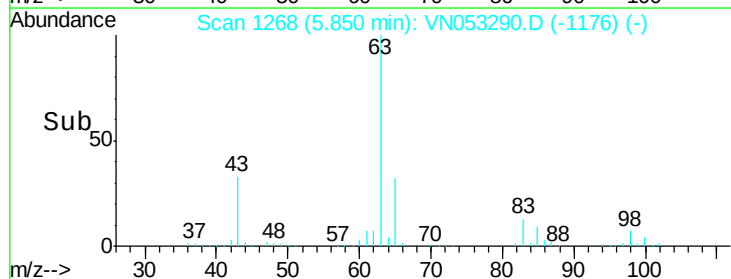
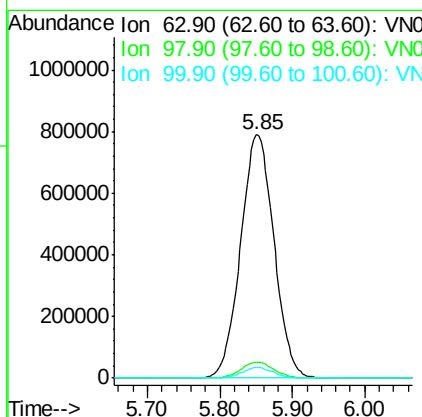
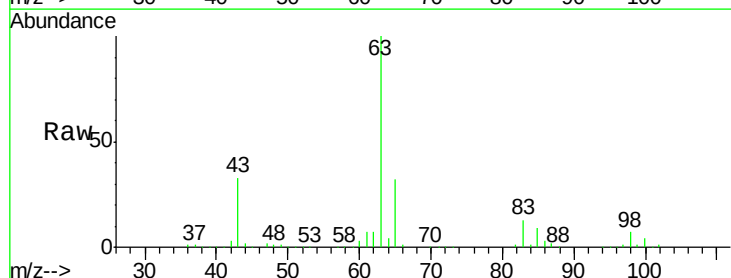
Manual Integrations
 APPROVED

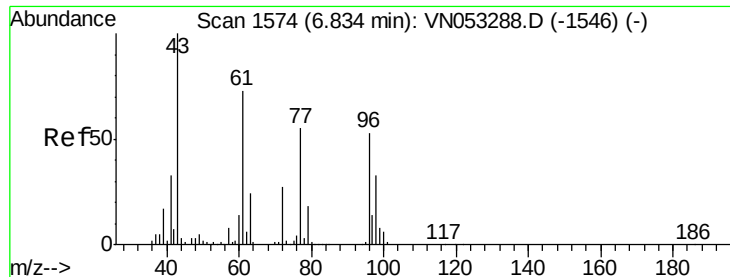
MMDadoda
 1/8/2019 10:24:20 AM



#24
 1,1-Dichloroethane
 Concen: 152.884 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion: 63 Resp: 2526776
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 750.819 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2851537

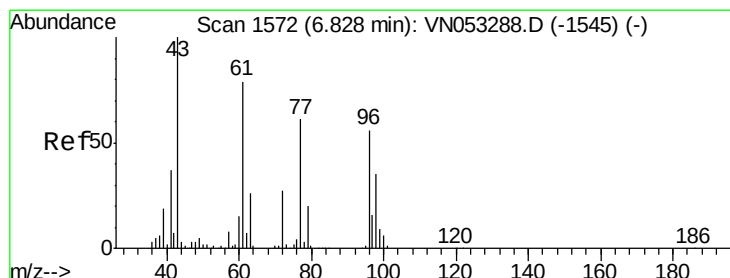
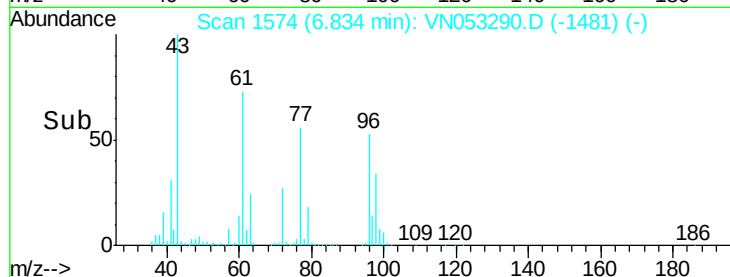
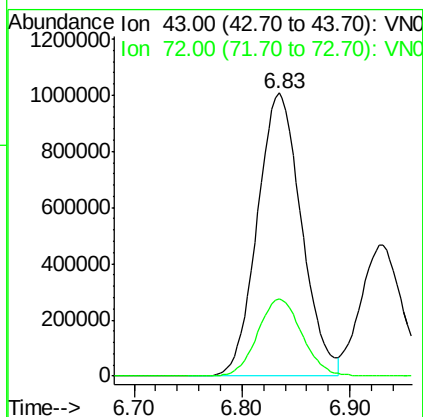
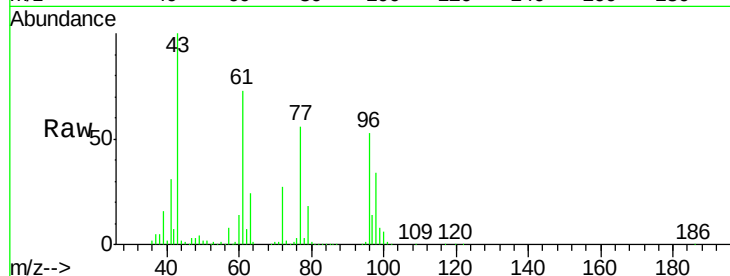
Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



#26

2,2-Dichloropropane

Concen: 157.090 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053290.D

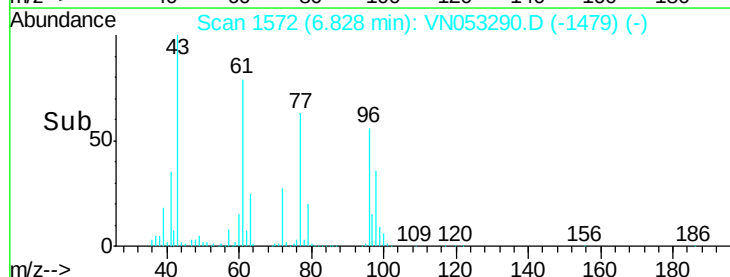
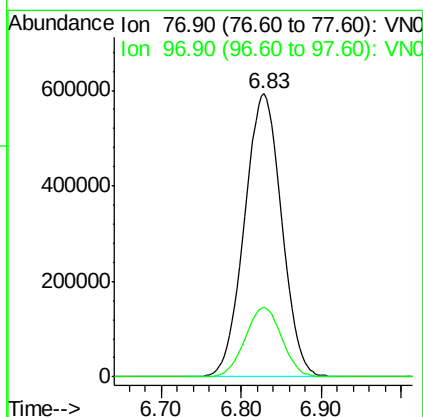
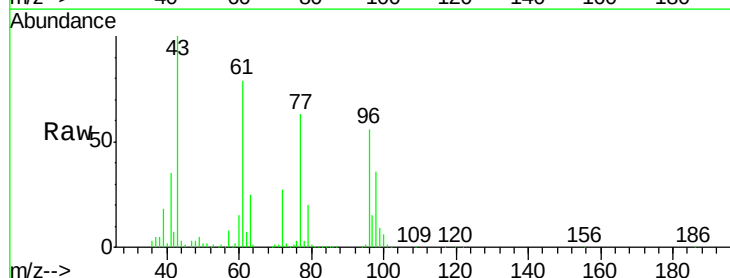
Acq: 4 Jan 2019 19:29

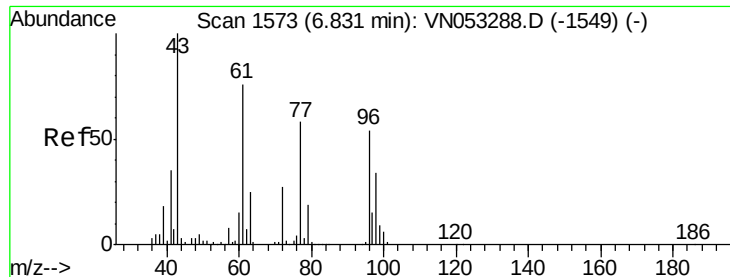
Tgt Ion: 77 Resp: 1875552

Ion Ratio Lower Upper

77 100

97 24.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 153.173 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 1563881

Ion Ratio Lower Upper

96 100

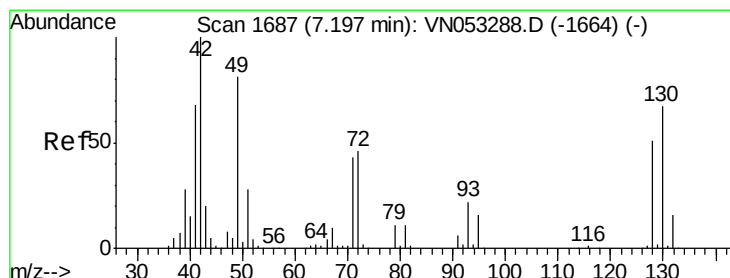
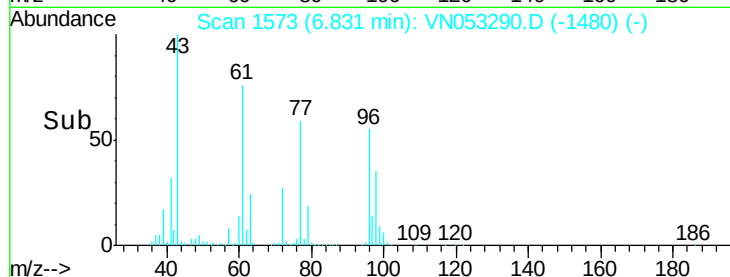
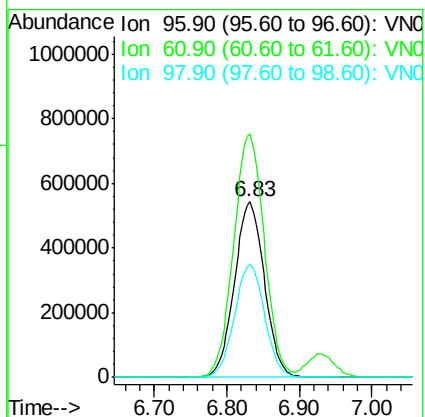
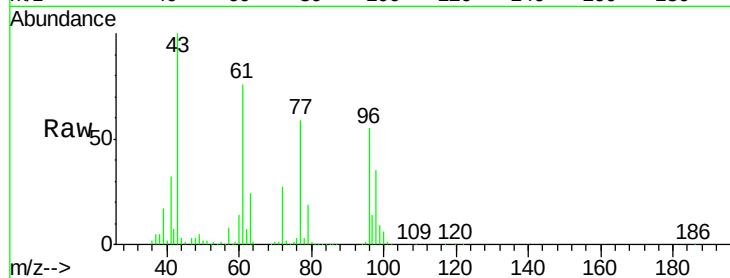
61 141.7 0.0 280.6

98 64.6 0.0 127.6

Manual Integrations
APPROVED

MMDadoda

1/8/2019 10:24:20 AM



#28

Bromochloromethane

Concen: 148.493 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

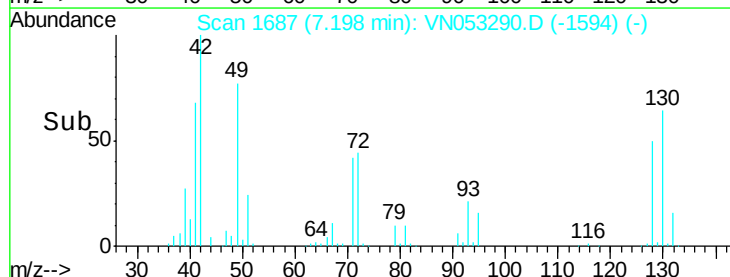
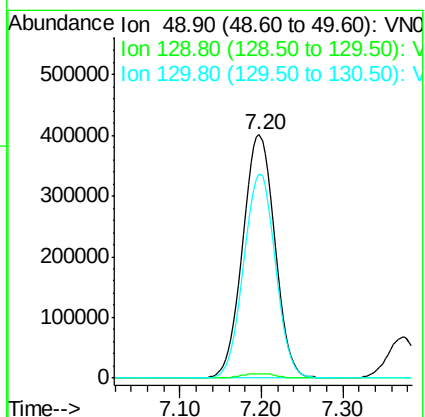
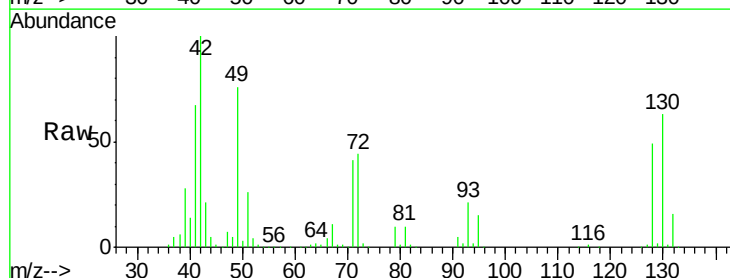
Tgt Ion: 49 Resp: 1090801

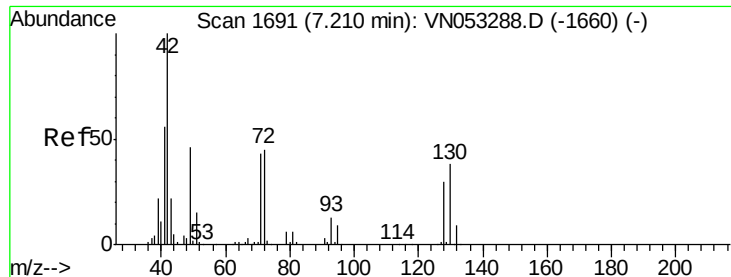
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 82.9 65.4 98.0





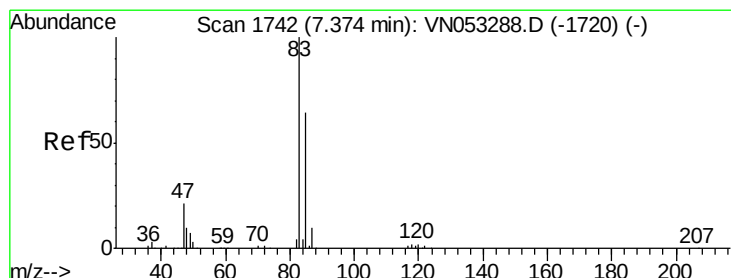
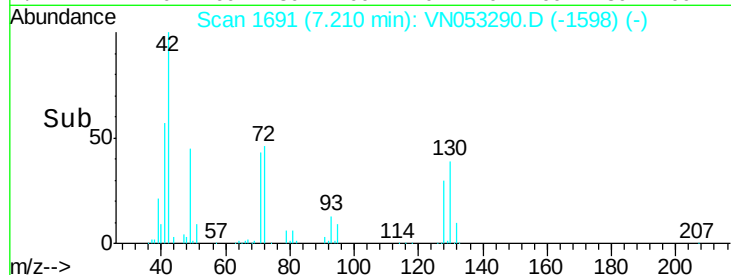
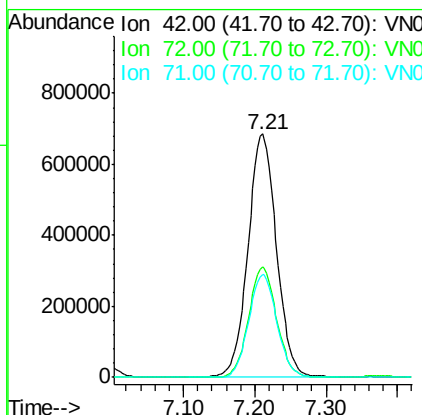
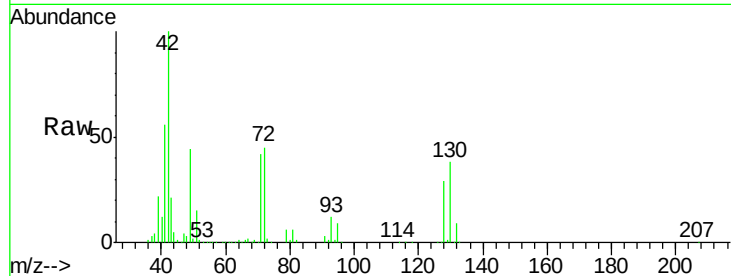
#29
Tetrahydrofuran
Concen: 749.069 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 42 Resp: 1896167
Ion Ratio Lower Upper
42 100
72 44.6 35.6 53.4
71 41.9 33.8 50.8

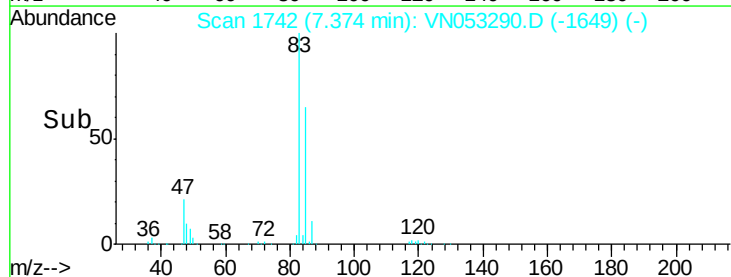
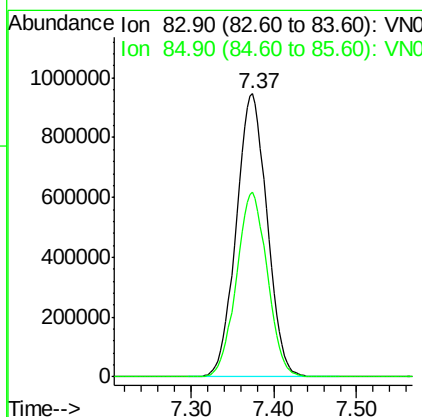
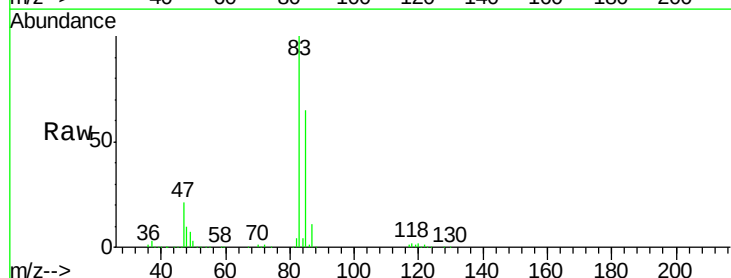
Manual Integrations
APPROVED

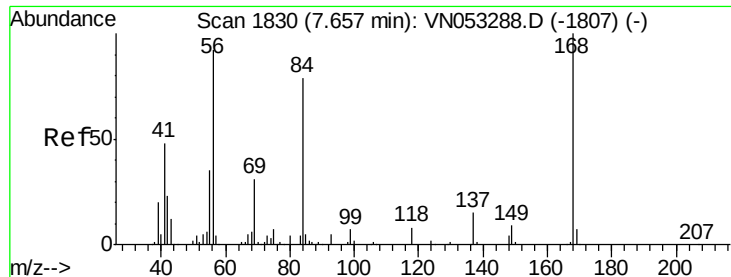
MMDadoda
1/8/2019 10:24:20 AM



#30
Chloroform
Concen: 151.209 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 83 Resp: 2448976
Ion Ratio Lower Upper
83 100
85 65.2 51.3 76.9





#31

Cyclohexane

Concen: 152.700 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 2380048

Ion Ratio Lower Upper

56 100

69 30.9 26.7 40.1

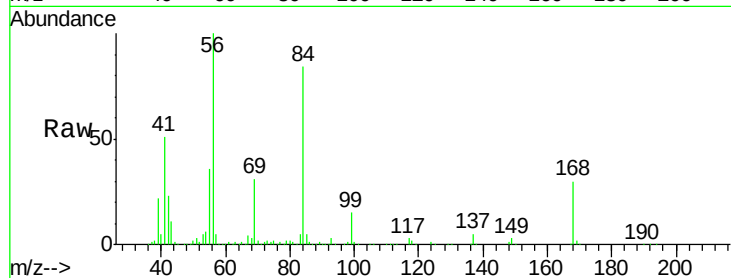
84 83.1 68.2 102.4

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM

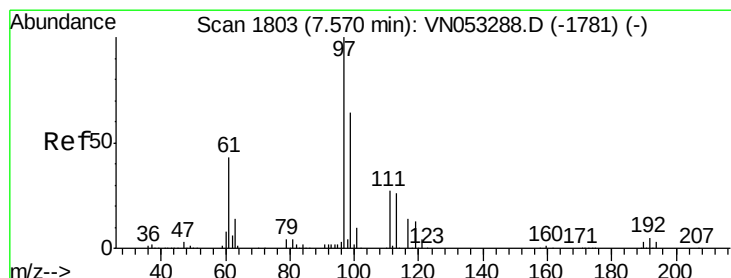
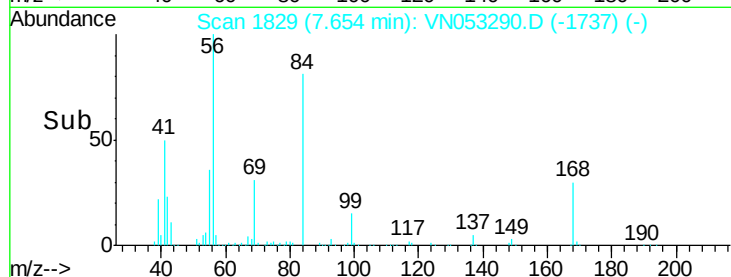
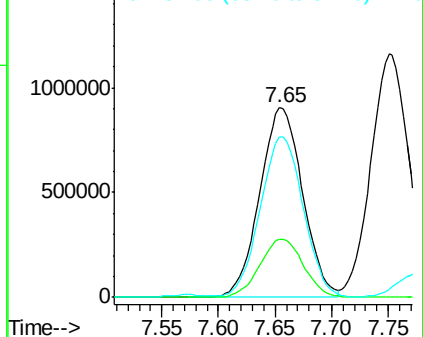


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 155.839 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

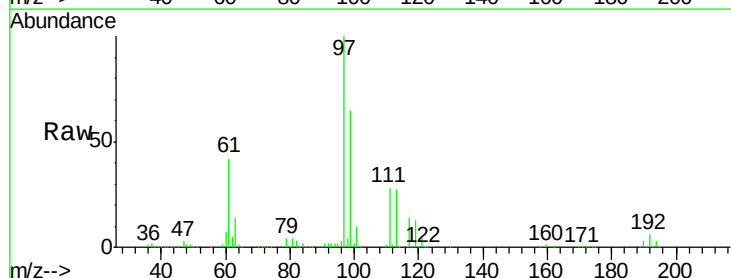
Tgt Ion: 97 Resp: 2109091

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 42.3 34.6 52.0

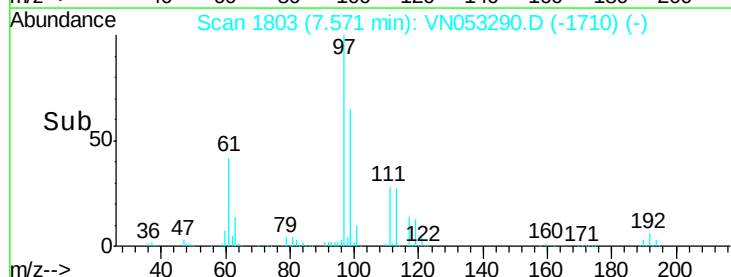
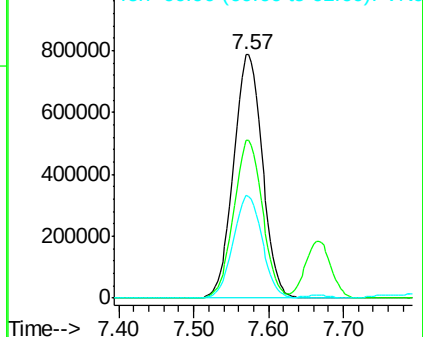


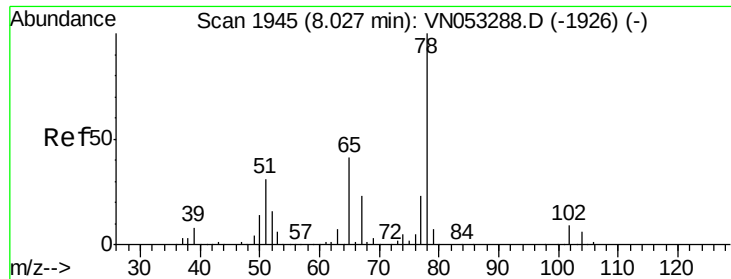
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





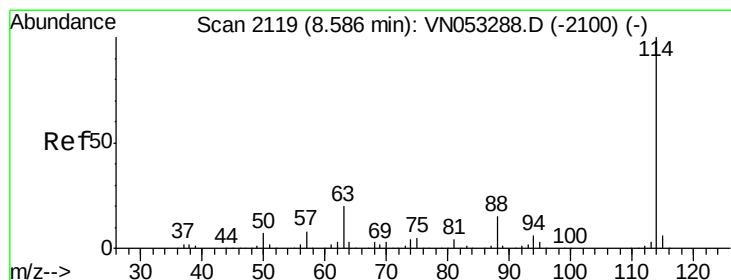
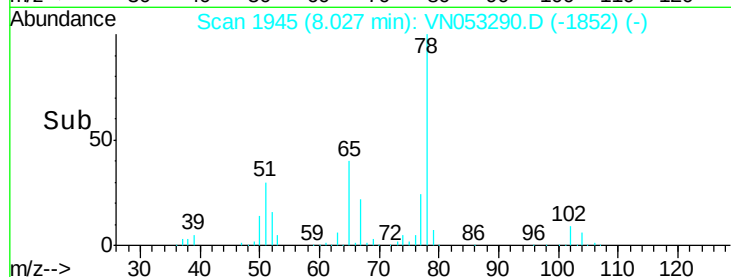
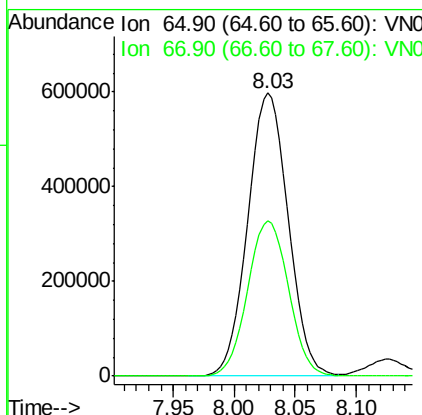
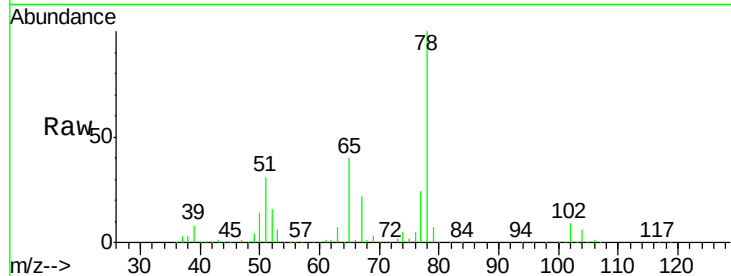
#33
 1,2-Dichloroethane-d4
 Concen: 155.839 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1371120
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0

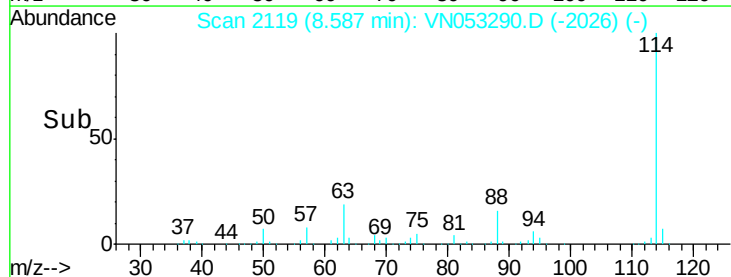
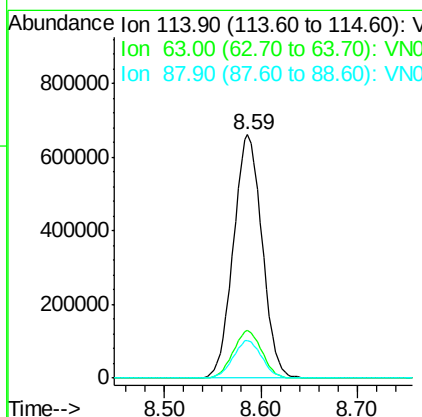
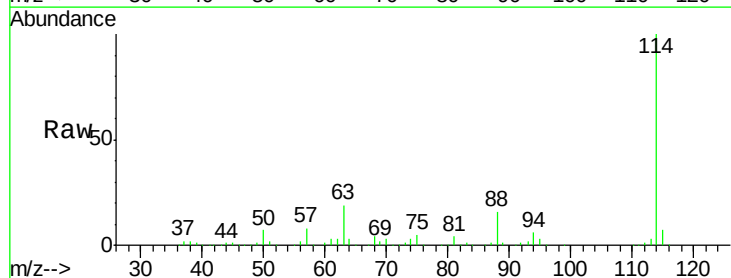
Manual Integrations
 APPROVED

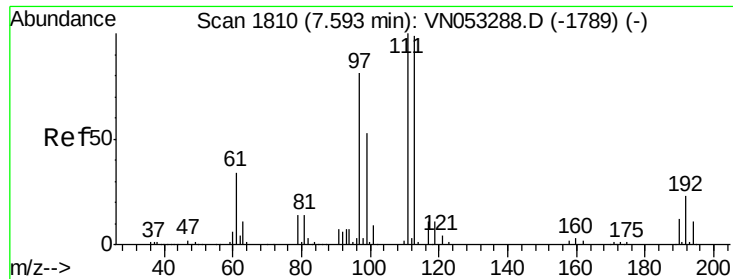
MMDadoda
 1/8/2019 10:24:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion: 114 Resp: 1359371
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.5 0.0 30.8





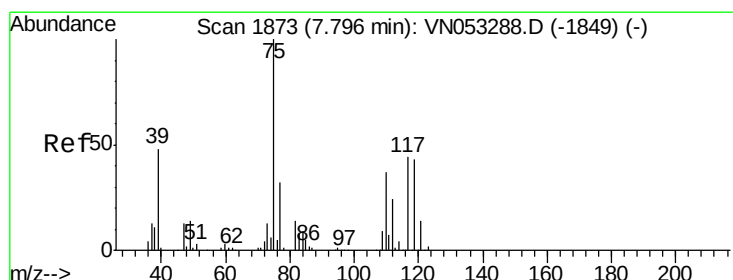
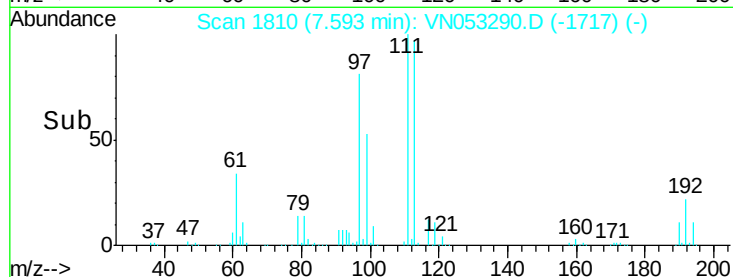
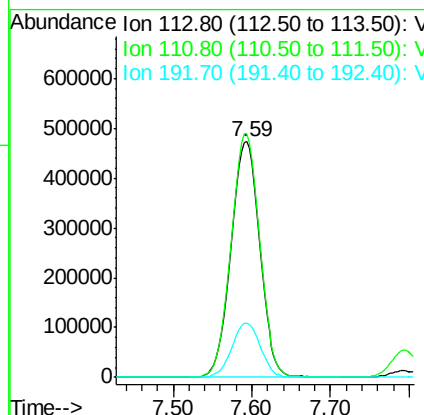
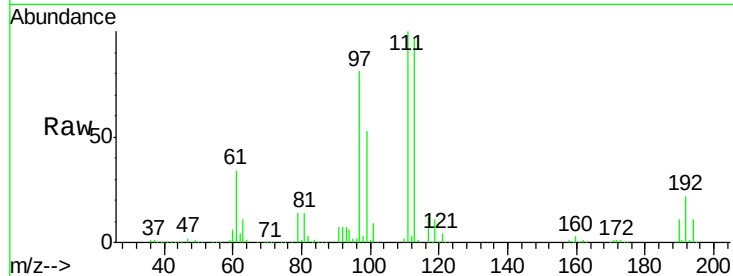
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	22.8	17.9	26.9

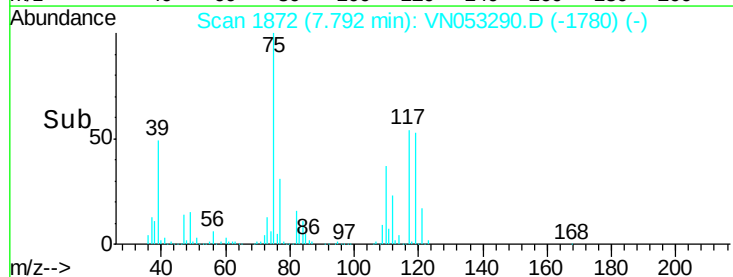
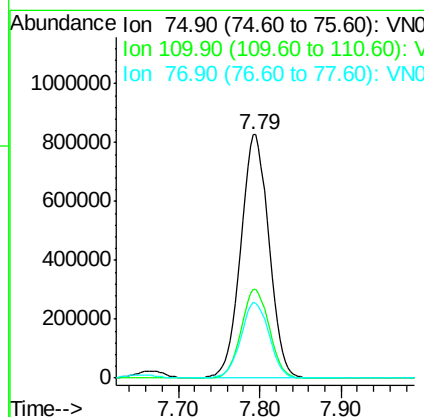
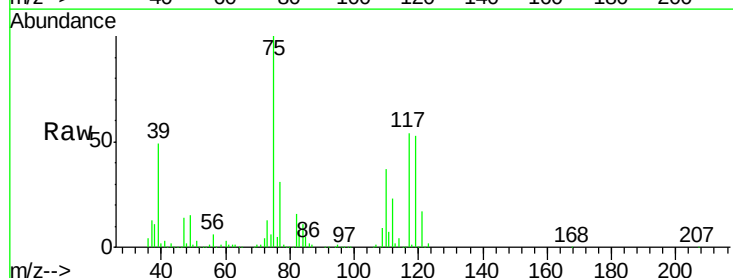
Manual Integrations
APPROVED

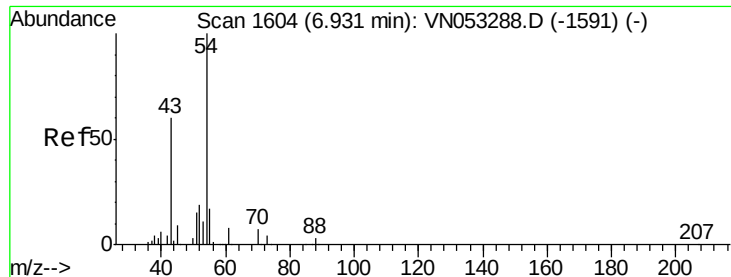
MMDadoda
1/8/2019 10:24:20 AM



#36
1,1-Dichloropropene
Concen: 156.510 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.0
77	31.2	25.3	37.9





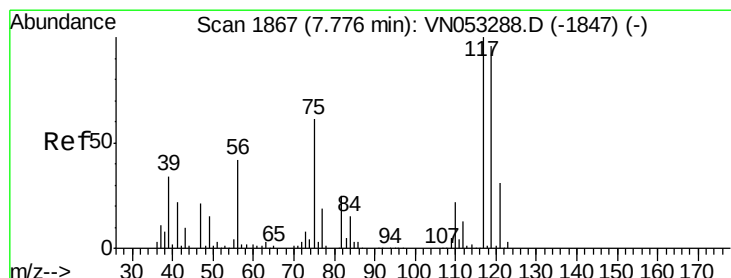
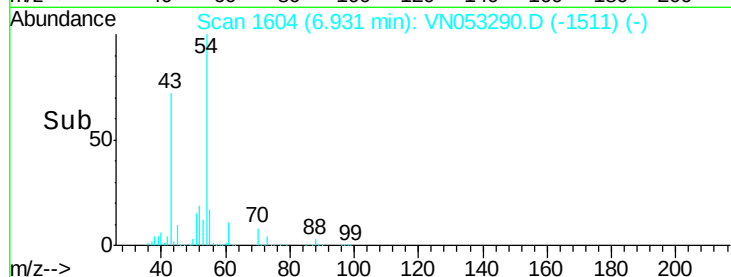
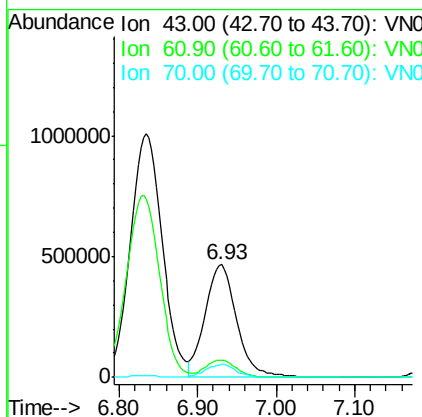
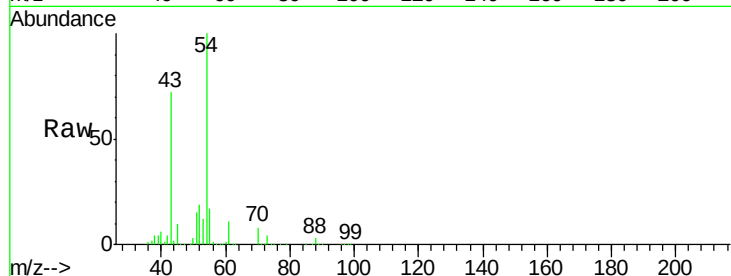
#37
Ethyl Acetate
Concen: 153.078 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1280934
Ion Ratio Lower Upper
43 100
61 15.2 11.9 17.9
70 11.0 8.6 13.0

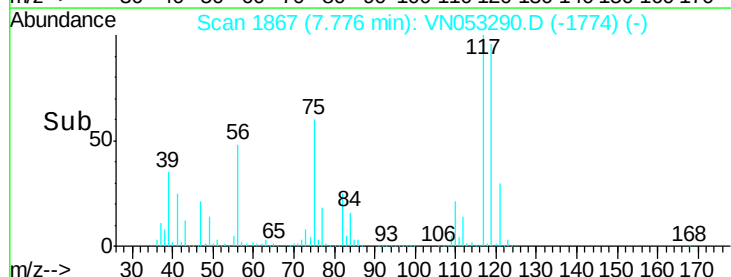
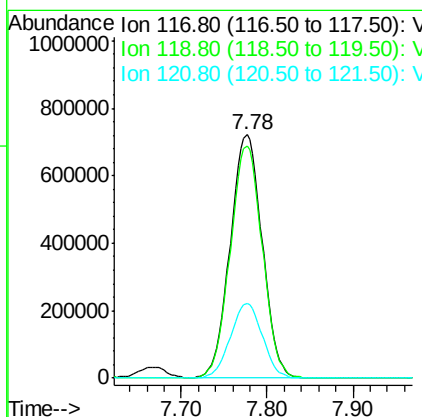
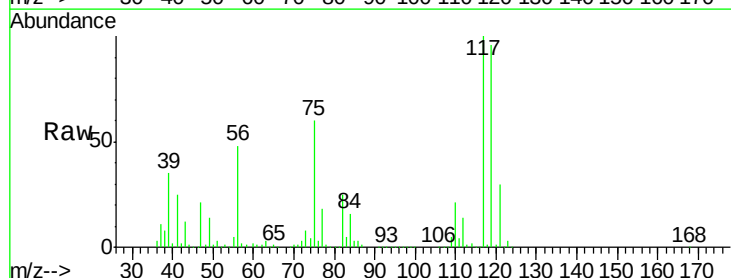
Manual Integrations
APPROVED

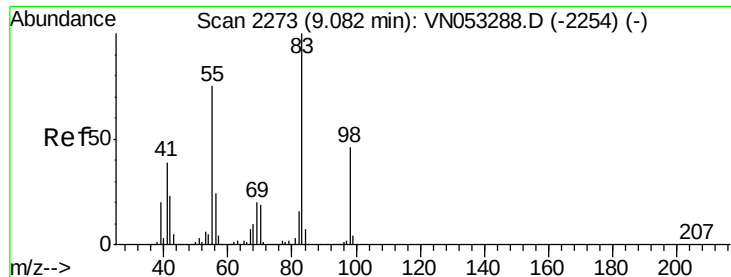
MMDadoda
1/8/2019 10:24:20 AM



#38
Carbon Tetrachloride
Concen: 158.209 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 117 Resp: 1860465
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0
121 30.5 25.0 37.4





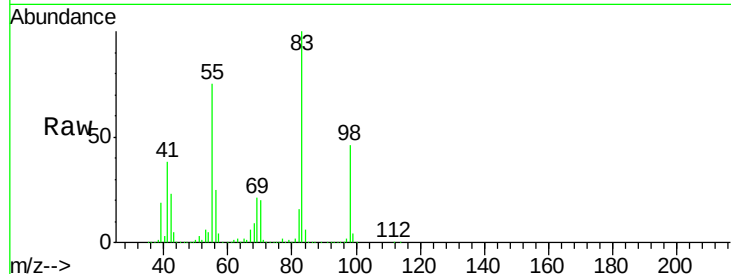
#39
Methylvlcyclohexane
Concen: 157.824 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.1	90.1
98	45.8	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM

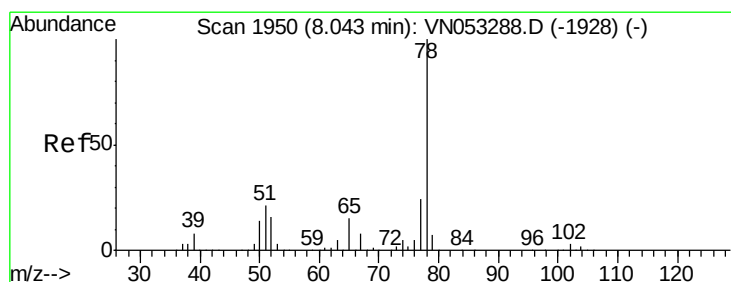
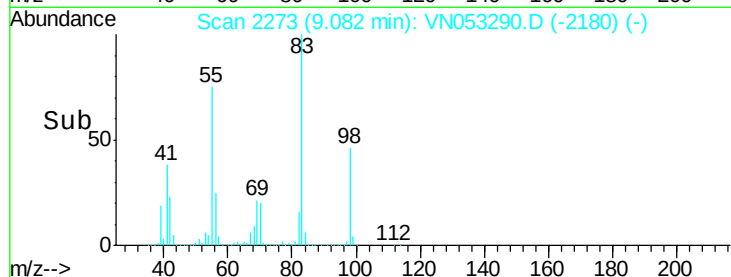
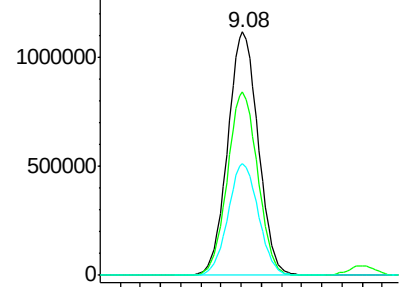


Abundance

Ion 83.00 (82.70 to 83.70): VNO

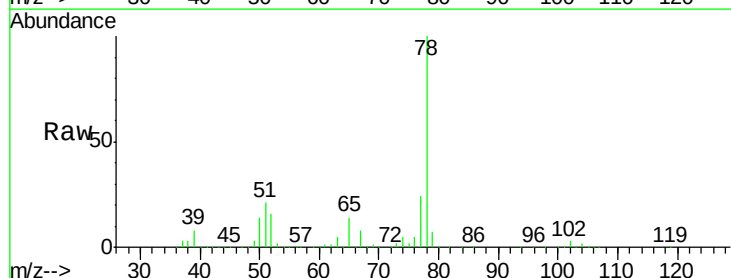
Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#40
Benzene
Concen: 152.953 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

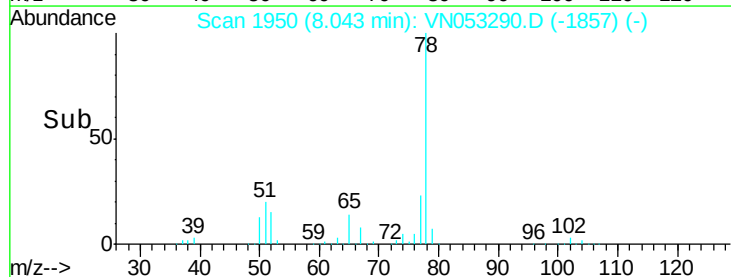
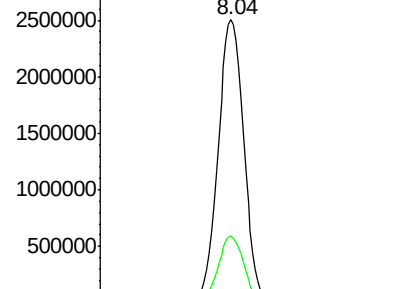
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

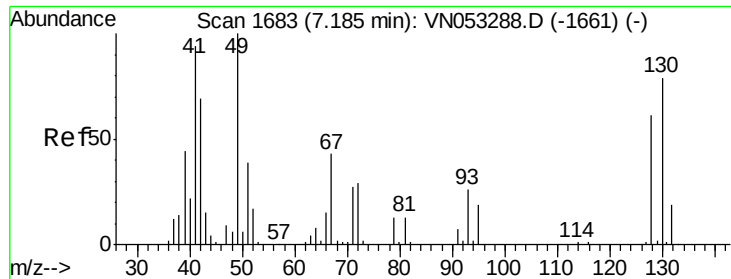


Abundance

Ion 78.00 (77.70 to 78.70): VNO

Ion 77.00 (76.70 to 77.70): VNO





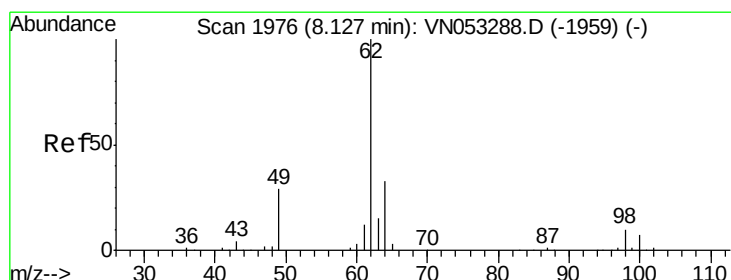
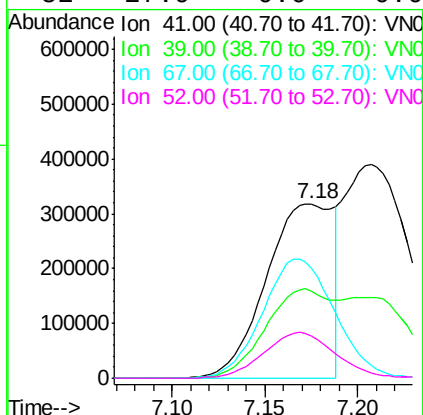
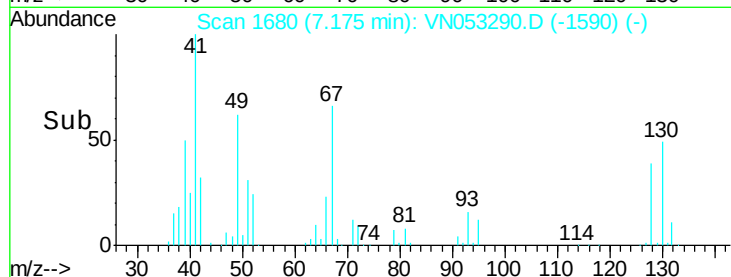
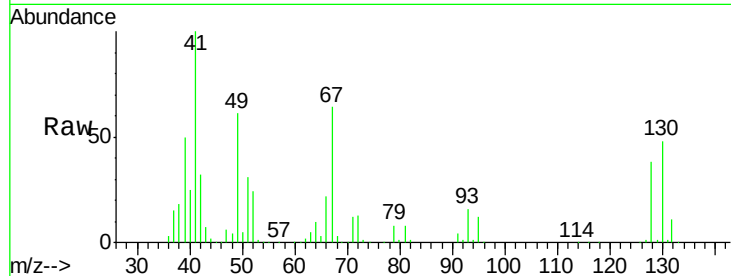
#41
Methacrylonitrile
Concen: 168.037 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.9	0.0	0.0	#
67	73.9	0.0	0.0	#
52	27.9	0.0	0.0	#

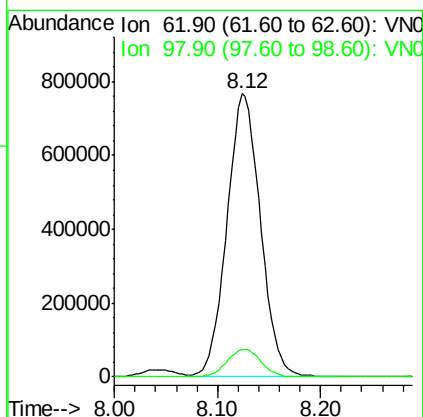
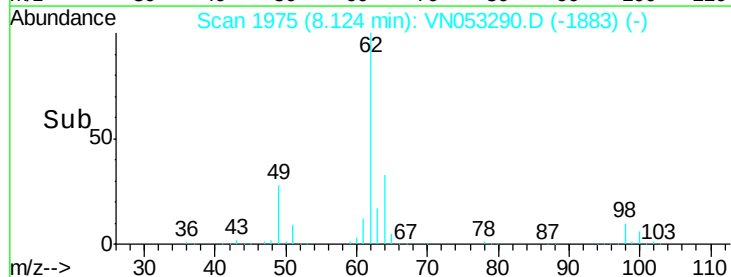
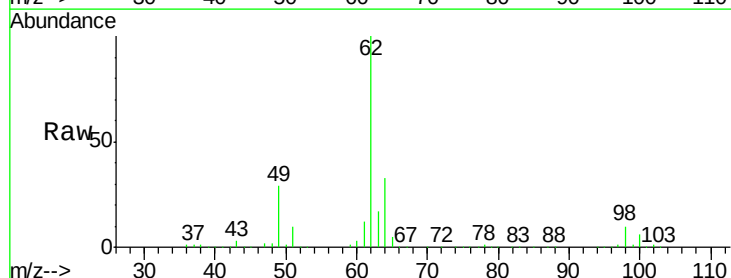
Manual Integrations
APPROVED

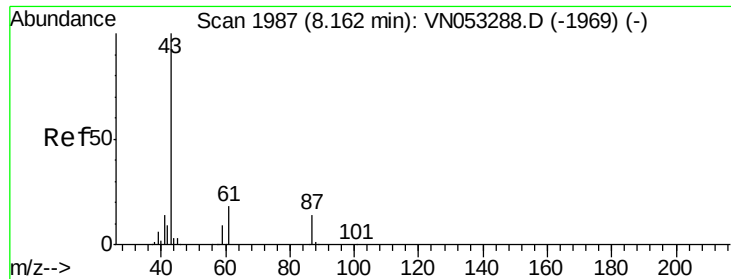
MMDadoda
1/8/2019 10:24:20 AM



#42
1,2-Dichloroethane
Concen: 152.445 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.2	





#43

Isopropyl Acetate

Concen: 153.630 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2322448

Ion Ratio Lower Upper

43 100

61 29.4 23.3 34.9

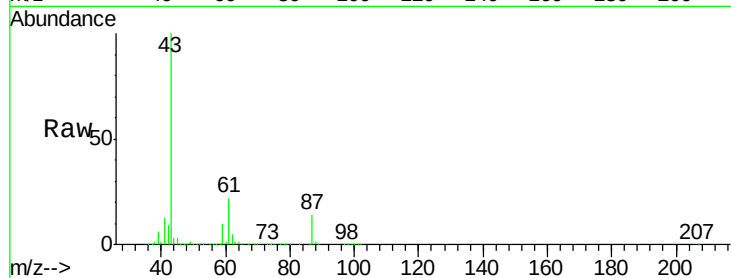
87 14.0 10.8 16.2

Manual Integrations

APPROVED

MMDadoda

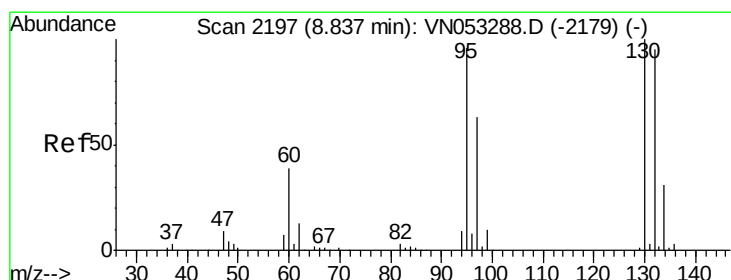
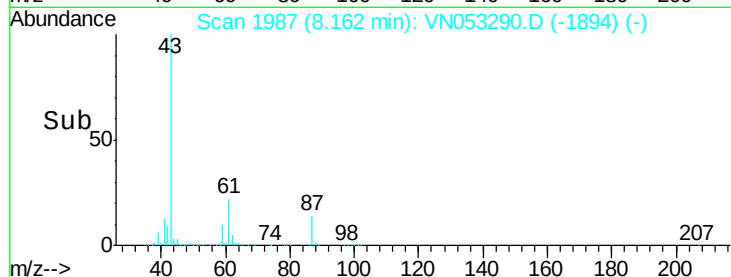
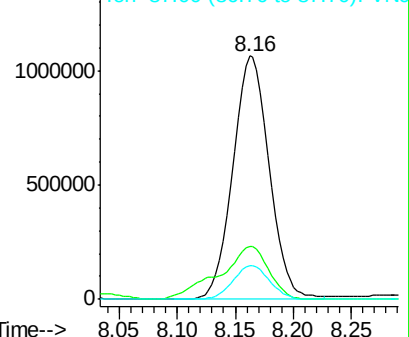
1/8/2019 10:24:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)



#44

Trichloroethene

Concen: 152.915 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053290.D

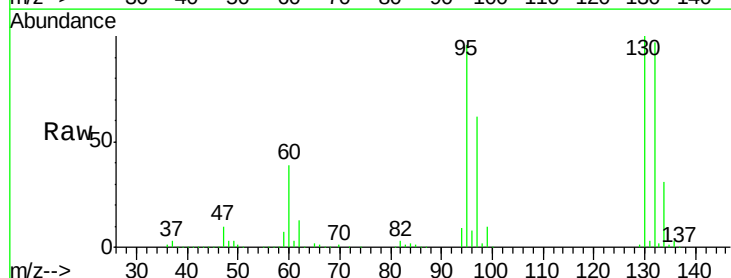
Acq: 4 Jan 2019 19:29

Tgt Ion:130 Resp: 1611805

Ion Ratio Lower Upper

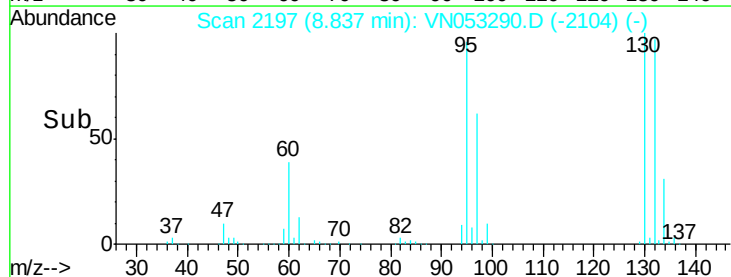
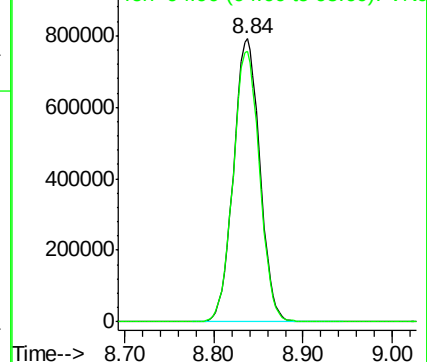
130 100

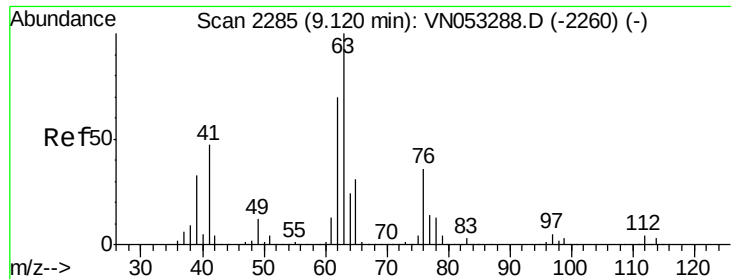
95 95.7 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053288.D (-2179) (-)





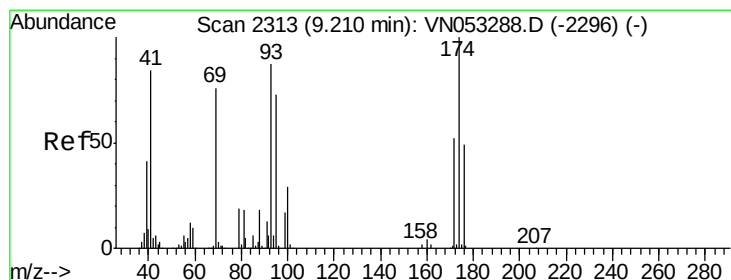
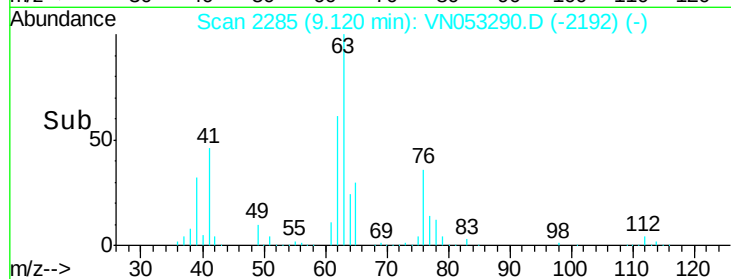
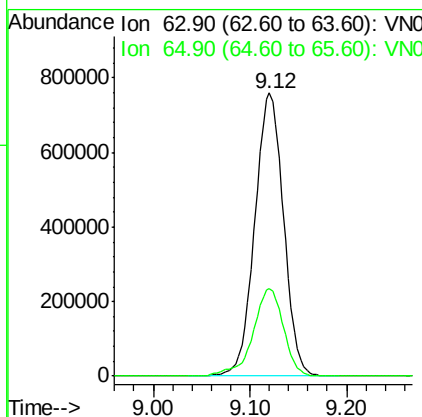
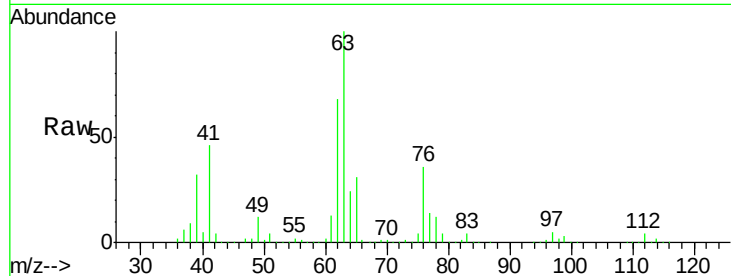
#45
 1,2-Dichloropropane
 Concen: 154.407 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1565700
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

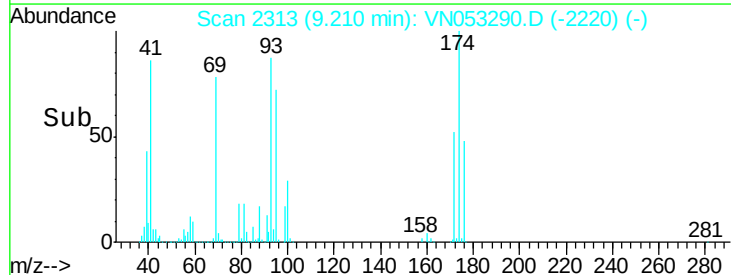
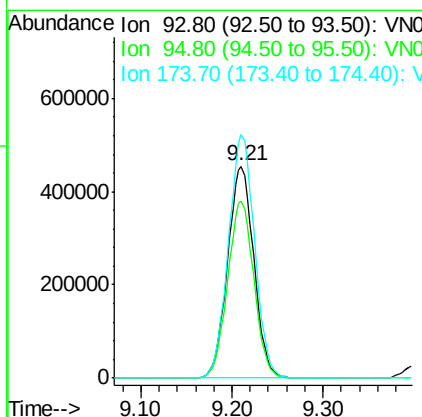
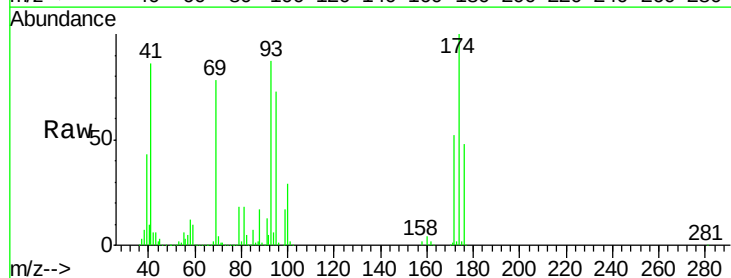
Manual Integrations
 APPROVED

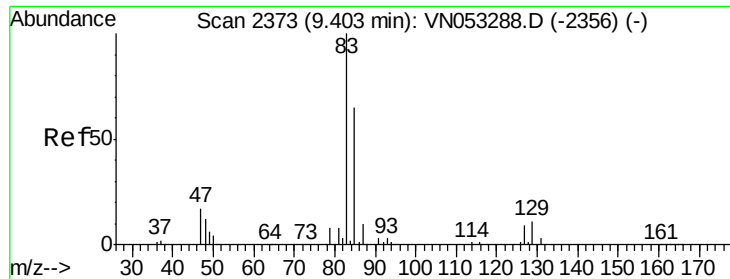
MMDadoda
 1/8/2019 10:24:20 AM



#46
 Dibromomethane
 Concen: 152.257 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion: 93 Resp: 910178
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 114.7 91.4 137.0





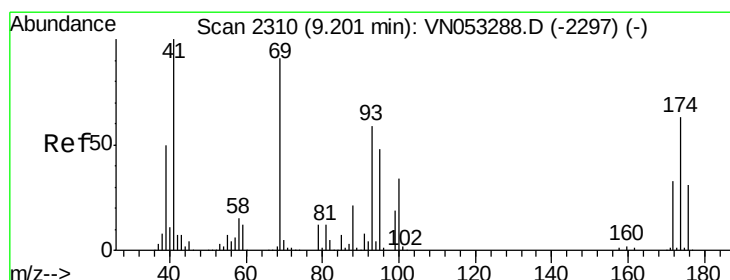
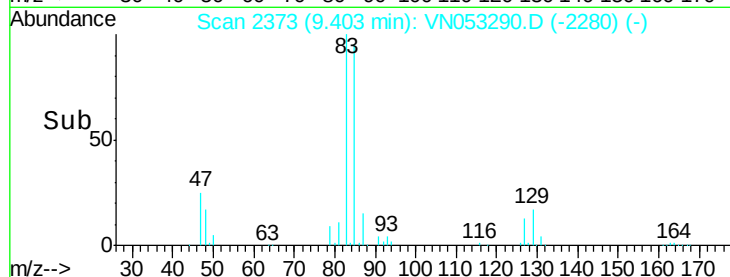
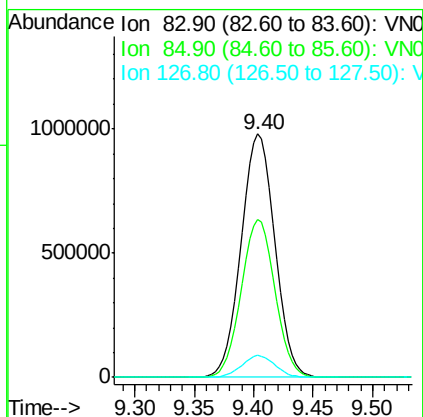
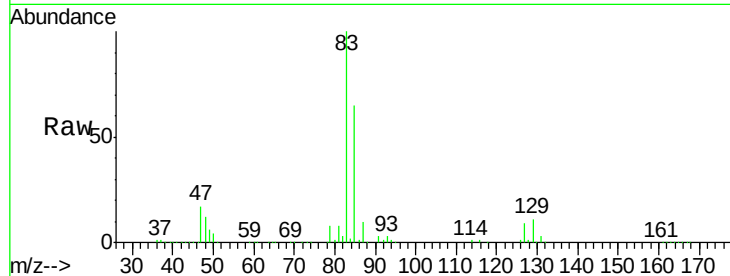
#47
Bromodichloromethane
Concen: 156.187 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 83 Resp: 1925201
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5
127 8.9 7.0 10.6

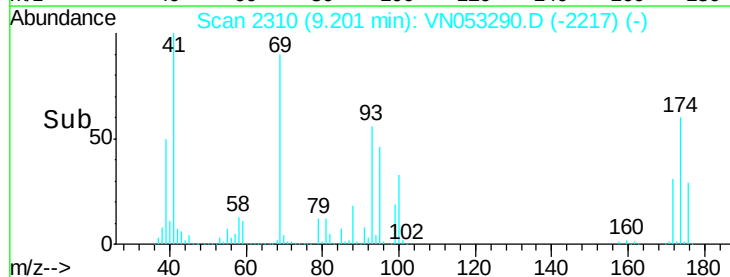
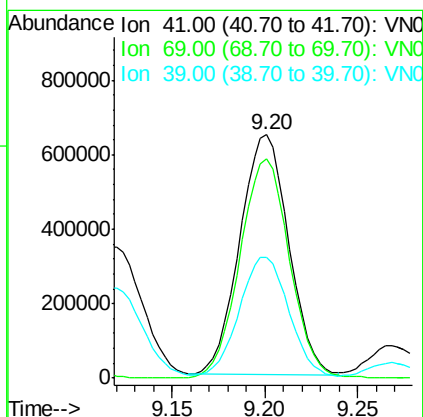
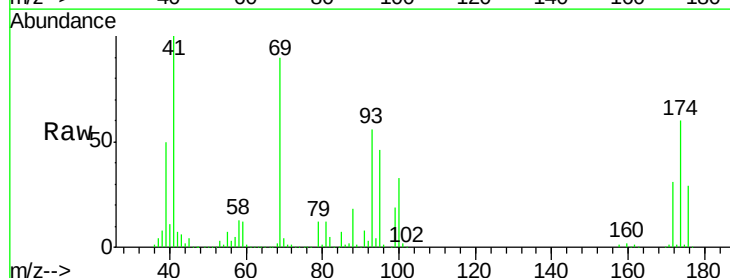
Manual Integrations
APPROVED

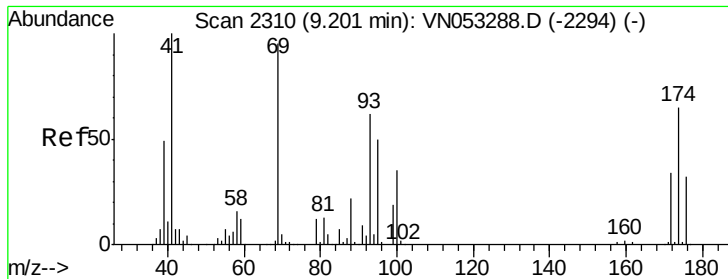
MMDadoda
1/8/2019 10:24:20 AM



#48
Methyl methacrylate
Concen: 156.819 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 41 Resp: 1187169
Ion Ratio Lower Upper
41 100
69 92.7 73.5 110.3
39 51.7 41.6 62.4





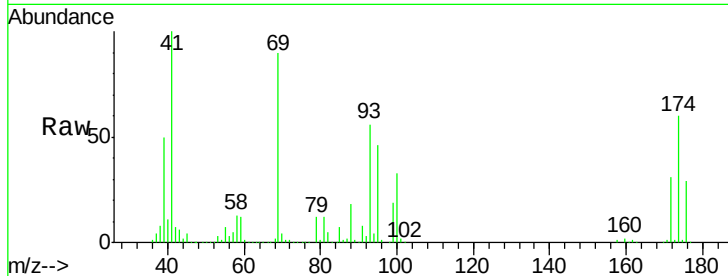
#49
 1,4-Dioxane
 Concen: 2760.834 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

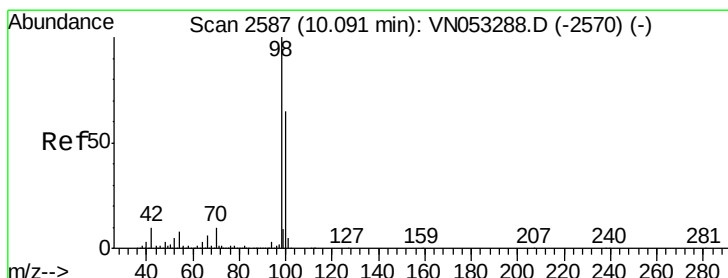
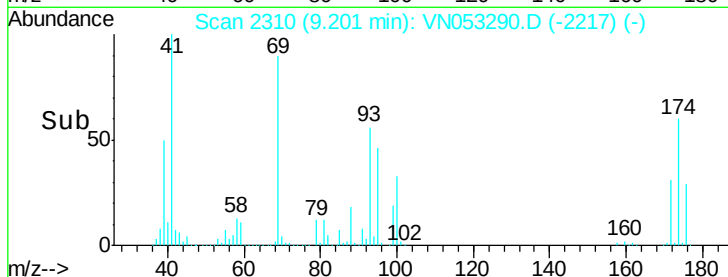
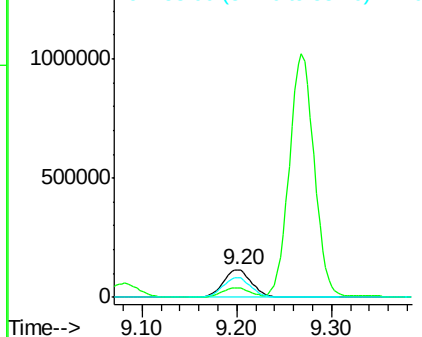
Tot Ion	88	Resp	242043
Ion Ratio	Lower	Upper	
88	100		
43	32.9	26.2	39.4
58	70.4	55.5	83.3

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:20 AM

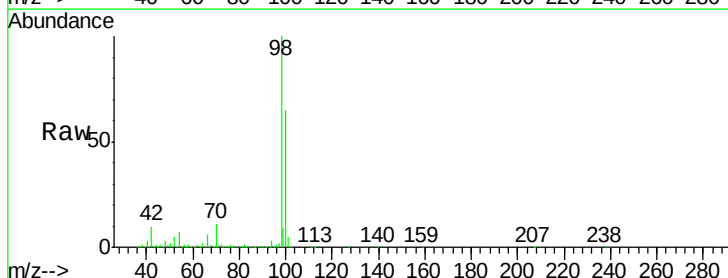


Abundance Ion 88.00 (87.70 to 88.70): VN053288.D (-2294) (-)
 Ion 43.00 (42.70 to 43.70): VN053288.D (-2294) (-)
 Ion 58.00 (57.70 to 58.70): VN053288.D (-2294) (-)

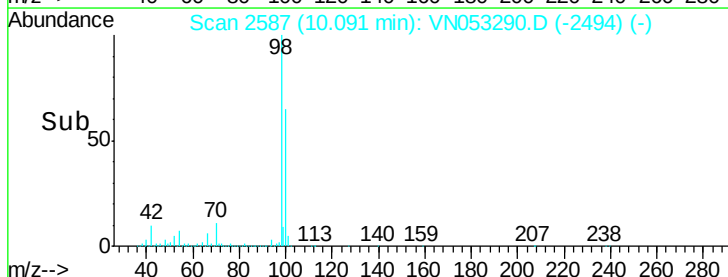
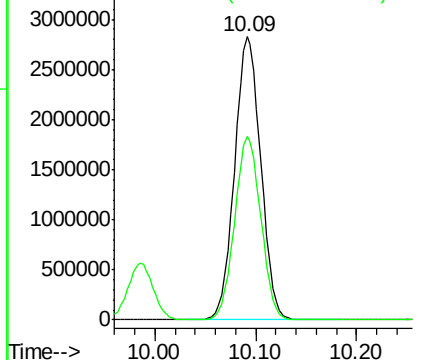


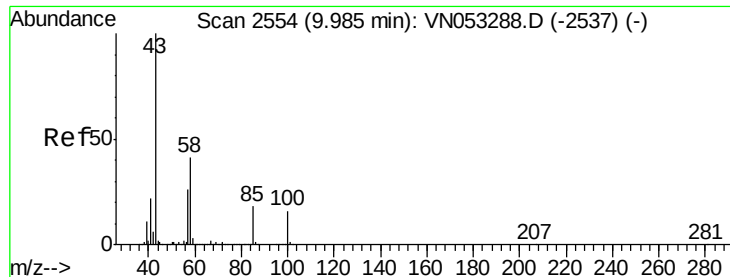
#50
 Toluene-d8
 Concen: 2760.834 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion	98	Resp	5075992
Ion Ratio	Lower	Upper	
98	100		
100	64.8	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)
 Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





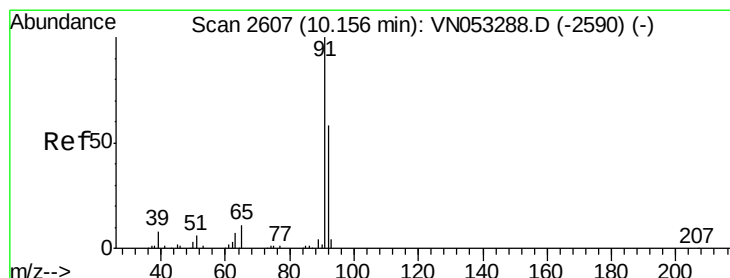
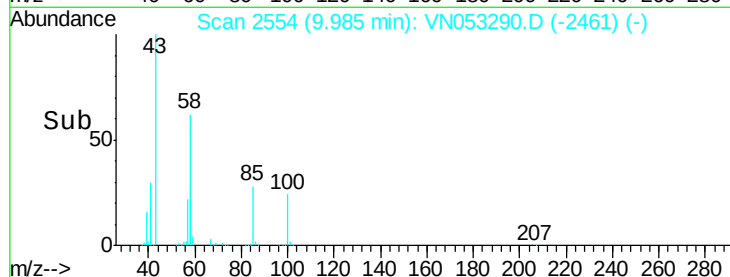
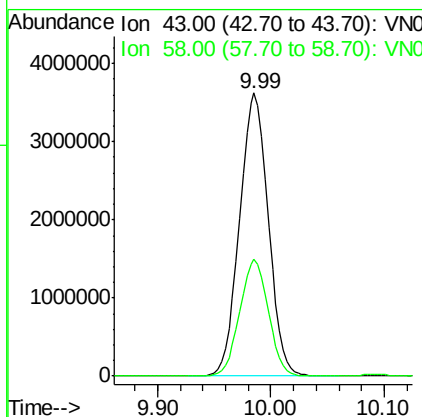
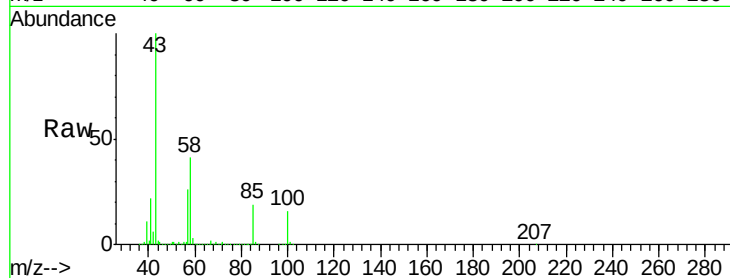
#51
4-Methyl-2-Pentanone
Concen: 762.659 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 6410411
Ion Ratio Lower Upper
43 100
58 41.1 32.7 49.1

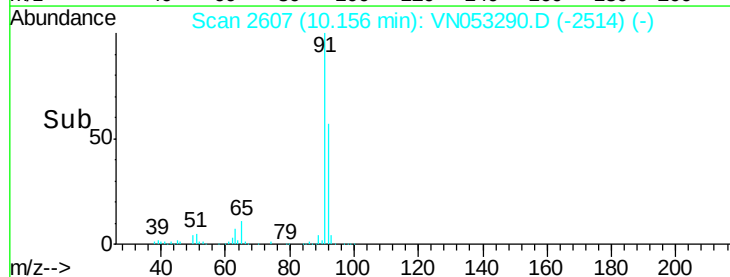
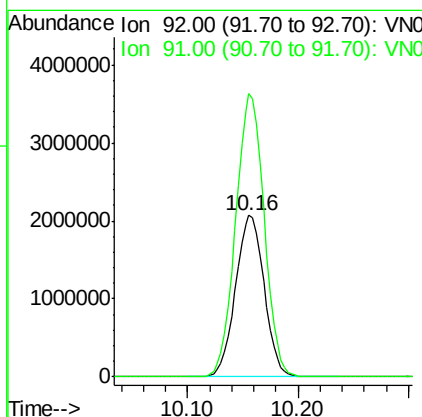
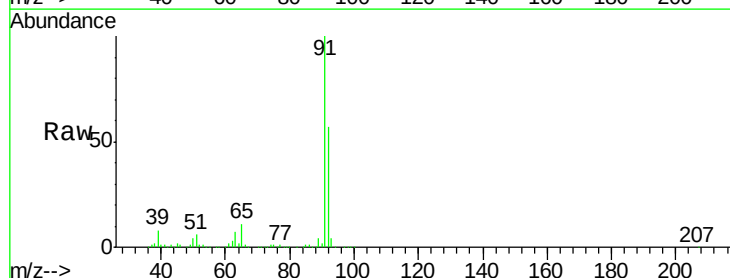
Manual Integrations
APPROVED

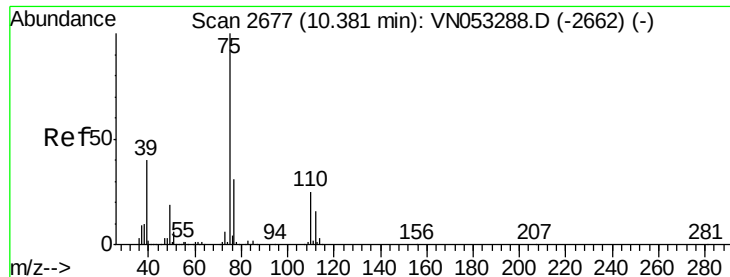
MMDadoda
1/8/2019 10:24:20 AM



#52
Toluene
Concen: 153.420 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 92 Resp: 3706318
Ion Ratio Lower Upper
92 100
91 175.2 138.6 208.0





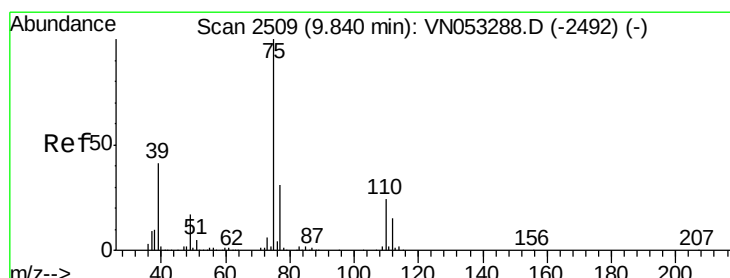
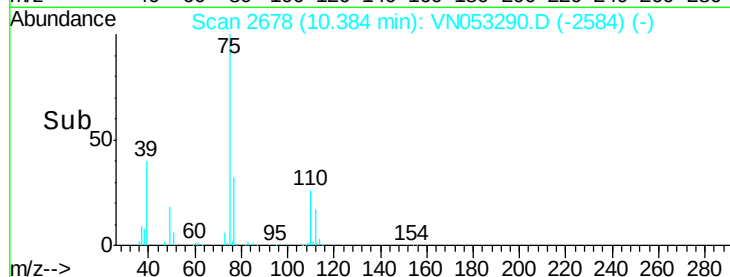
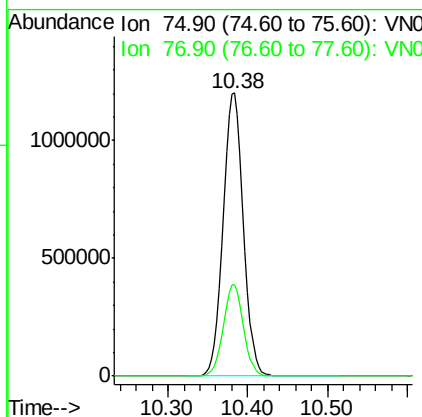
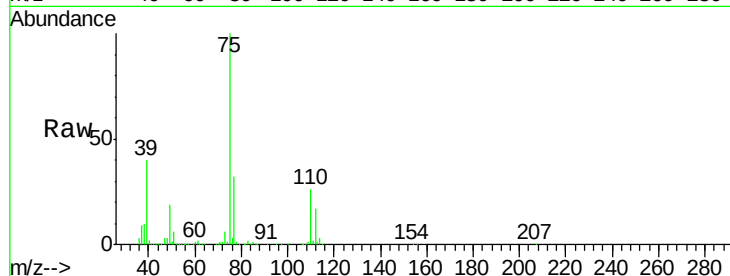
#53
t-1,3-Dichloropropene
Concen: 161.798 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 2099168
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.4

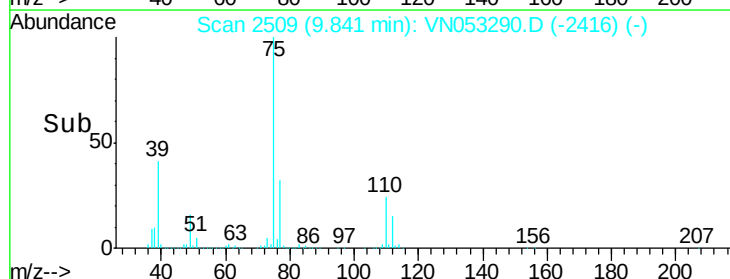
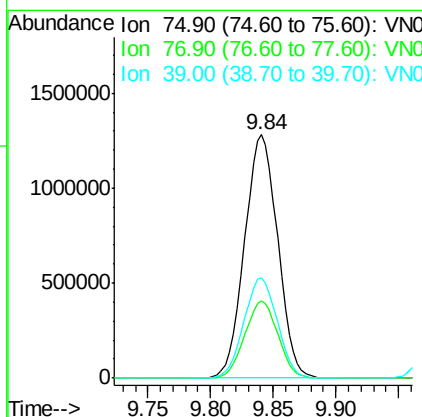
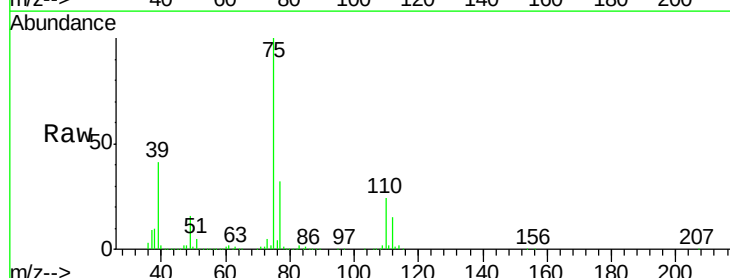
Manual Integrations
APPROVED

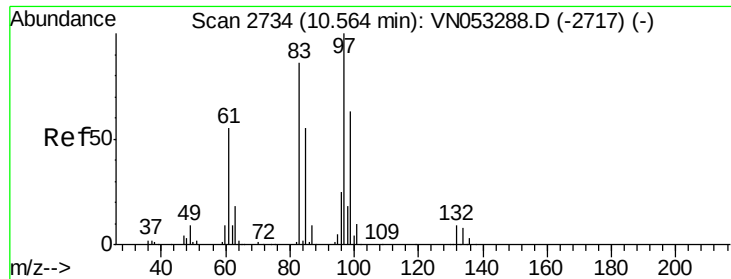
MMDadoda
1/8/2019 10:24:20 AM



#54
cis-1,3-Dichloropropene
Concen: 157.368 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 75 Resp: 2355768
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 41.0 33.1 49.7





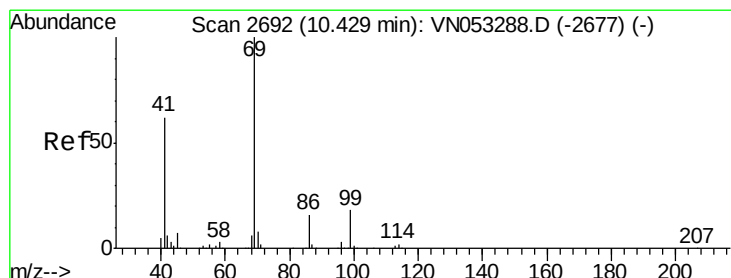
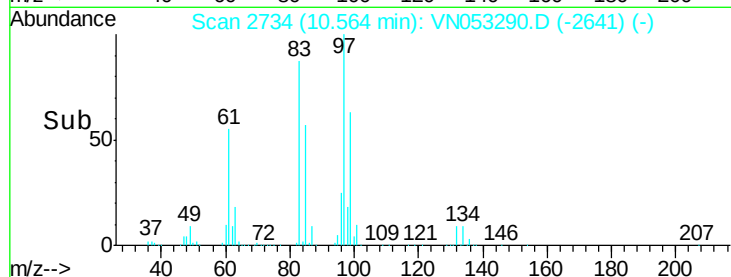
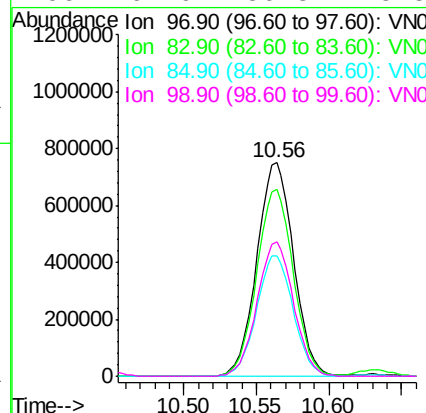
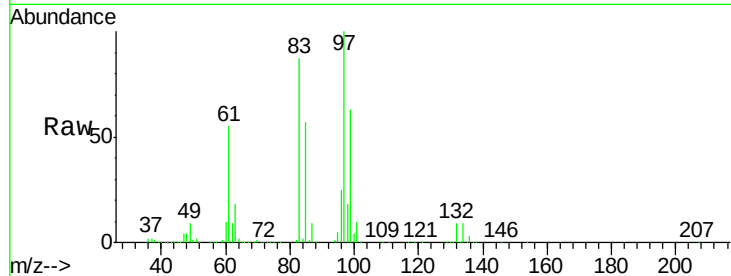
#55
 1,1,2-Trichloroethane
 Concen: 152.824 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	56.5	44.2	66.4
99	62.9	50.3	75.5

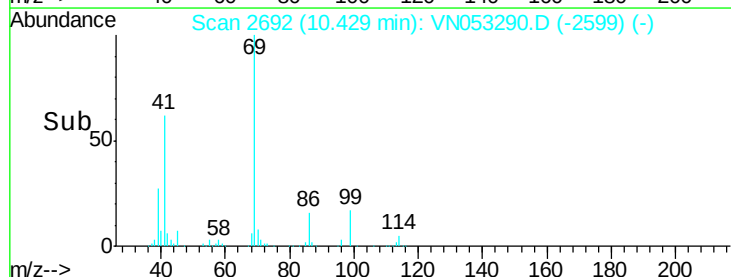
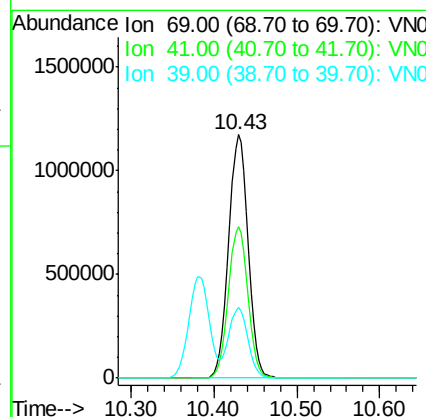
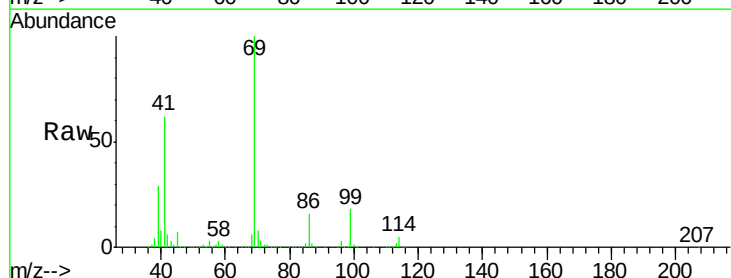
Manual Integrations
 APPROVED

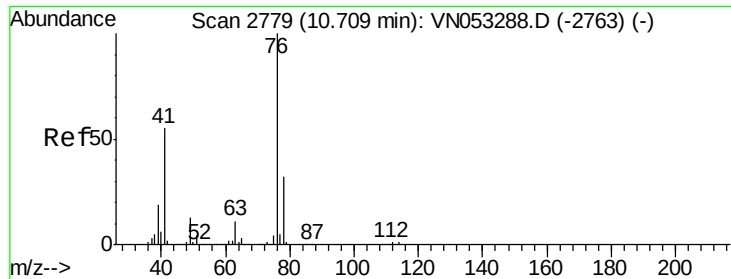
MMDadoda
 1/8/2019 10:24:20 AM



#56
 Ethyl methacrylate
 Concen: 159.885 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.2	73.8
39	28.9	23.4	35.0





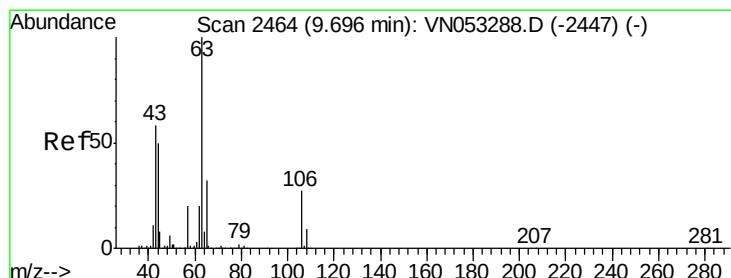
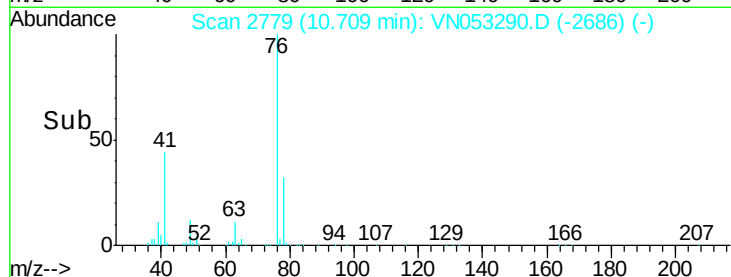
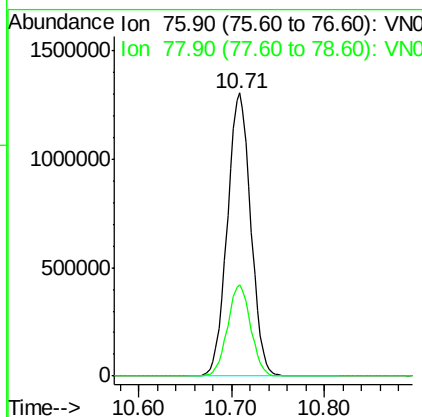
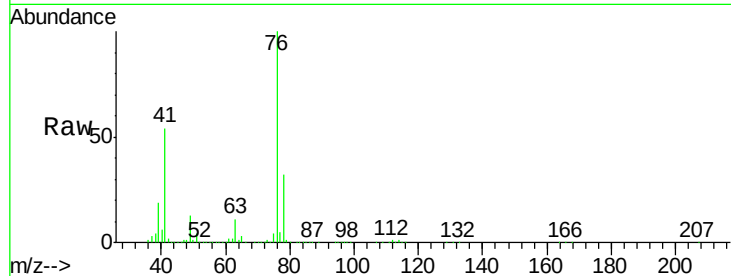
#57
 1,3-Dichloropropane
 Concen: 155.575 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 2280406
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

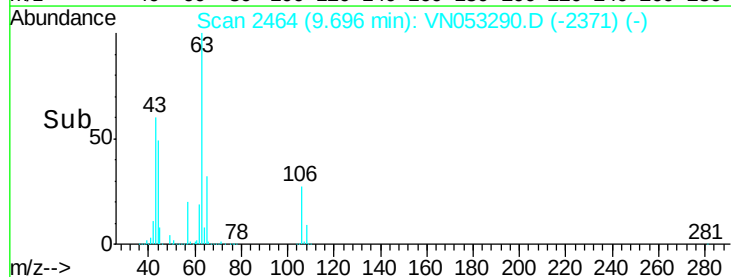
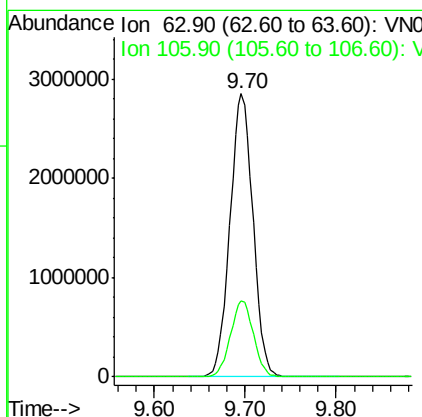
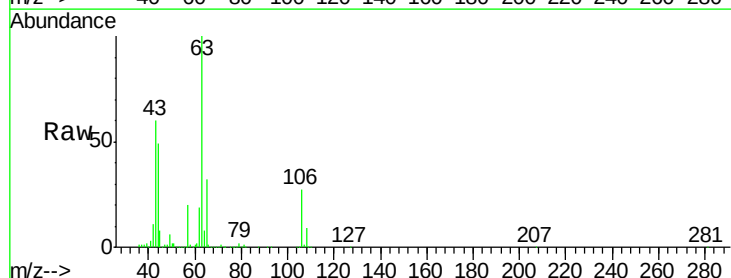
Manual Integrations
 APPROVED

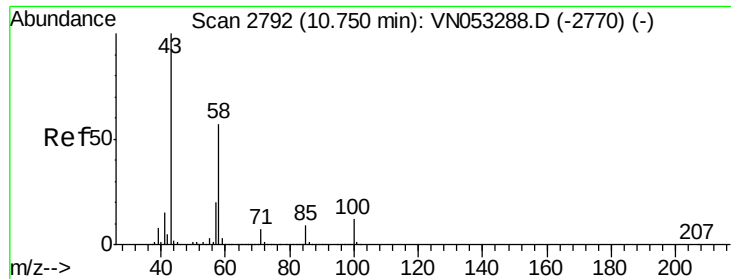
MMDadoda
 1/8/2019 10:24:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 785.844 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion: 63 Resp: 4996716
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





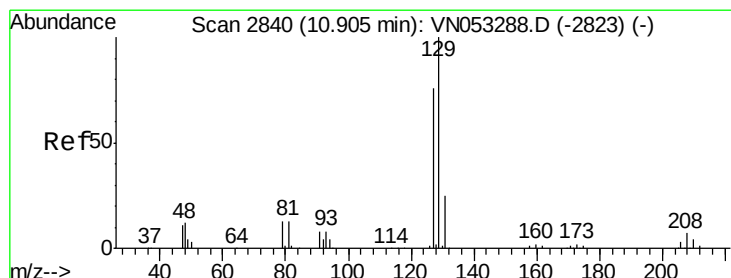
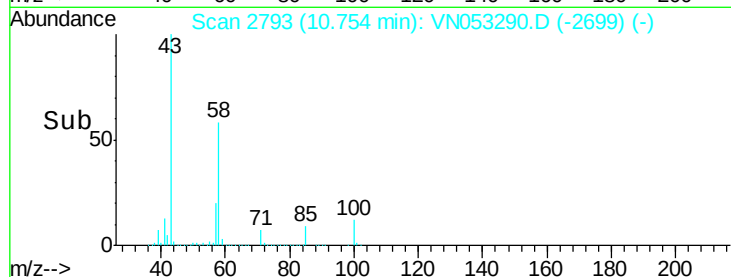
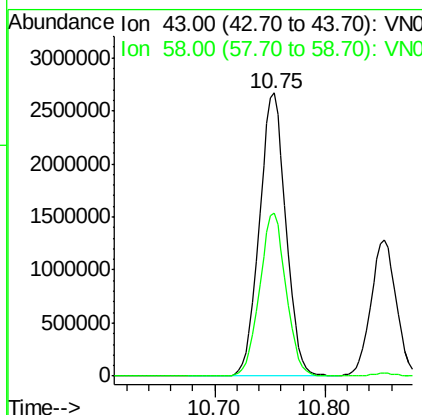
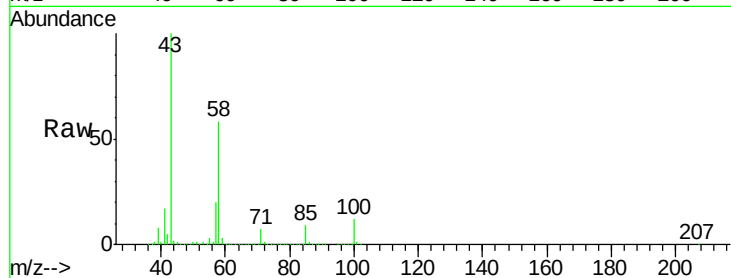
#59
2-Hexanone
Concen: 760.646 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4429427
Ion Ratio Lower Upper
43 100
58 57.4 28.3 85.0

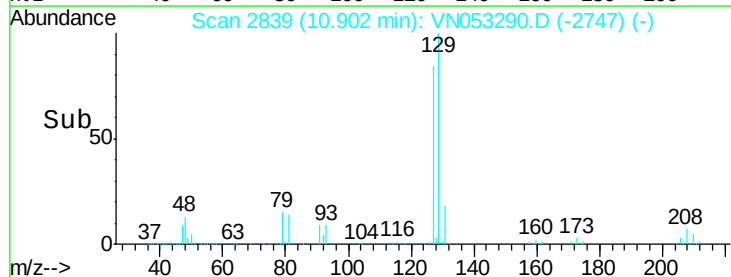
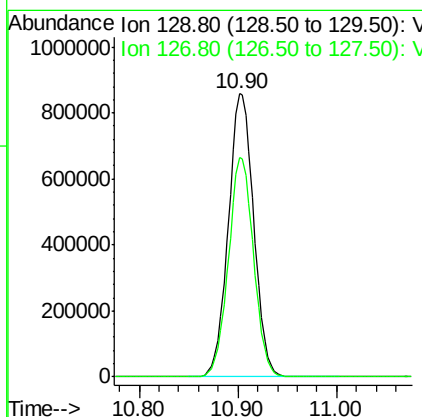
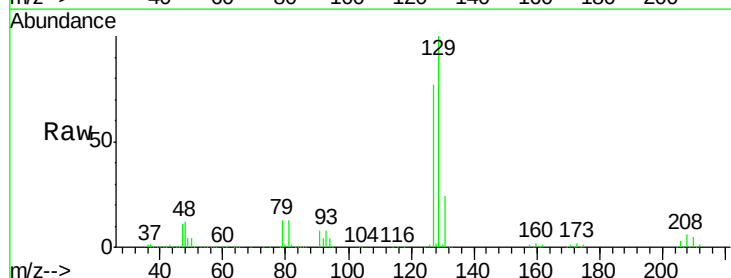
Manual Integrations
APPROVED

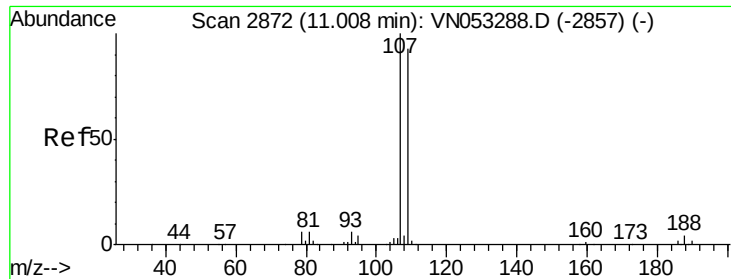
MMDadoda
1/8/2019 10:24:20 AM



#60
Dibromochloromethane
Concen: 158.917 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 129 Resp: 1540838
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





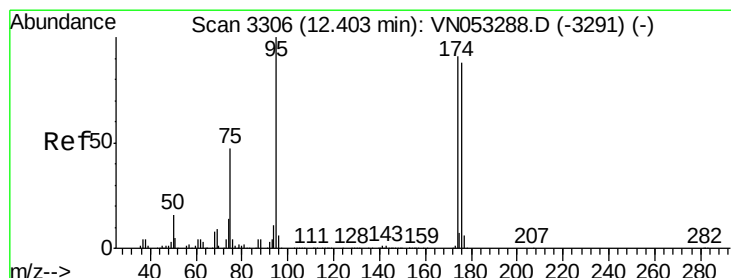
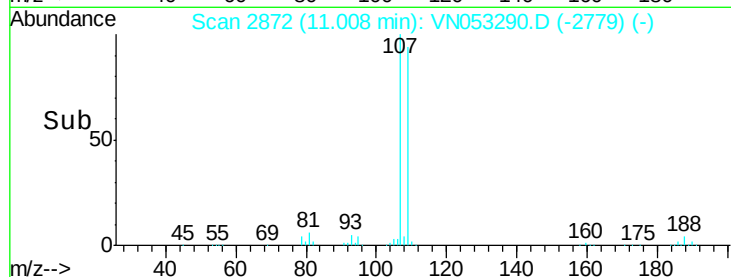
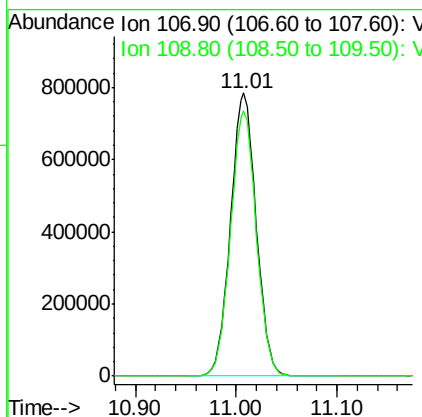
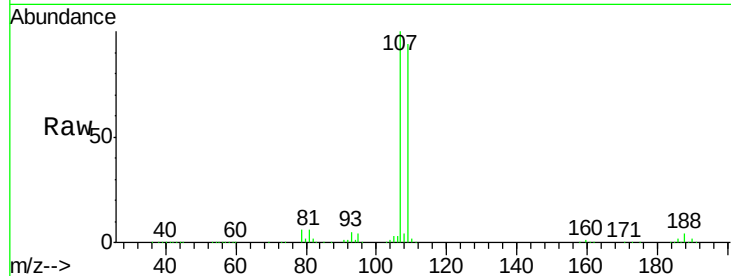
#61
1,2-Dibromoethane
Concen: 157.860 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:107 Resp: 1386517
Ion Ratio Lower Upper
107 100
109 94.5 75.0 112.6

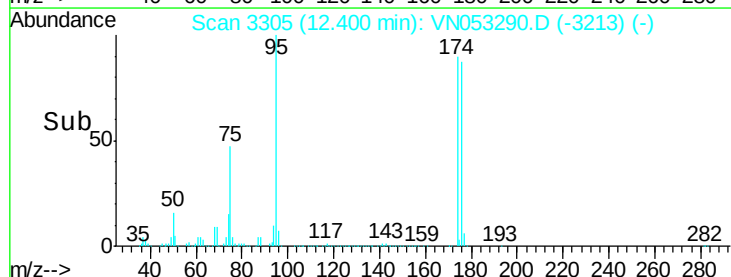
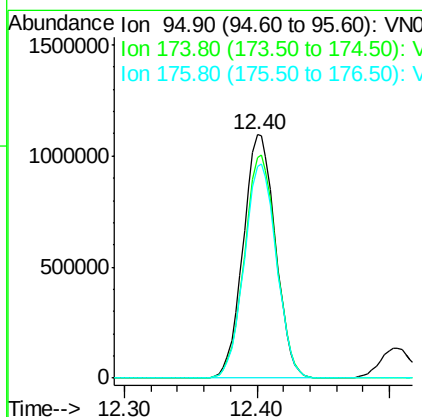
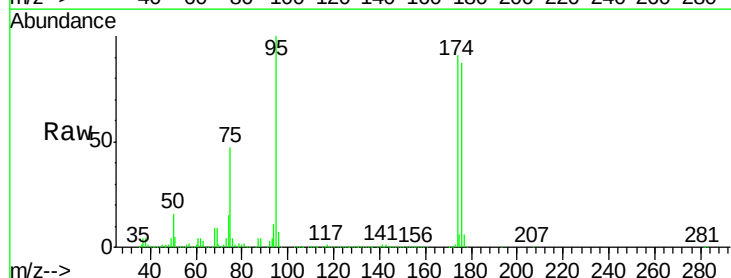
Manual Integrations
APPROVED

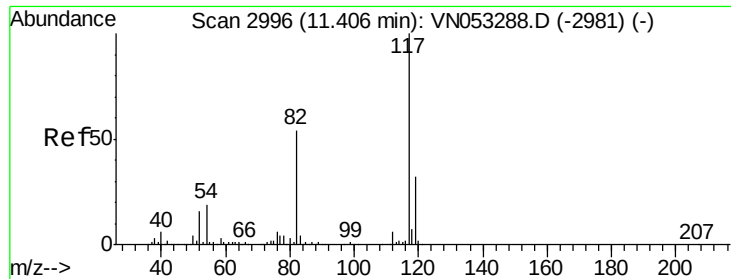
MMDadoda
1/8/2019 10:24:20 AM



#62
4-Bromofluorobenzene
Concen: 157.860 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 95 Resp: 1846499
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.4
176 87.9 0.0 175.6





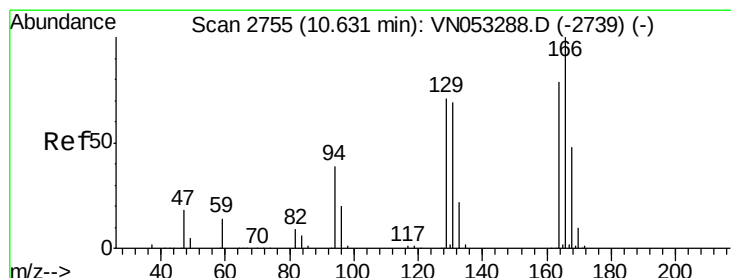
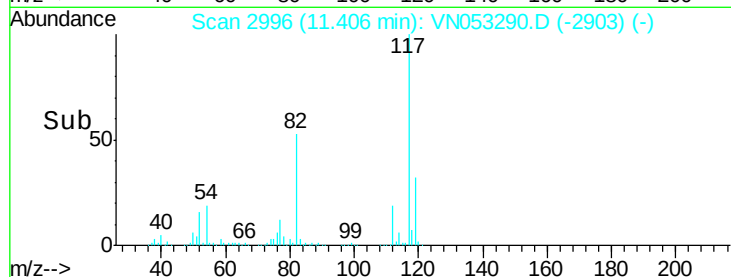
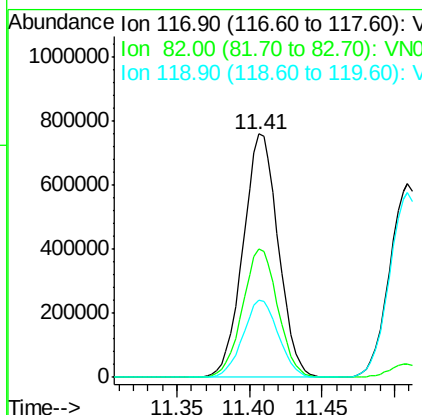
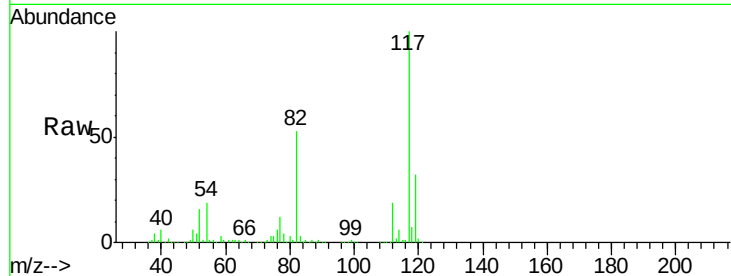
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.9	64.3
119	31.8	25.6	38.4

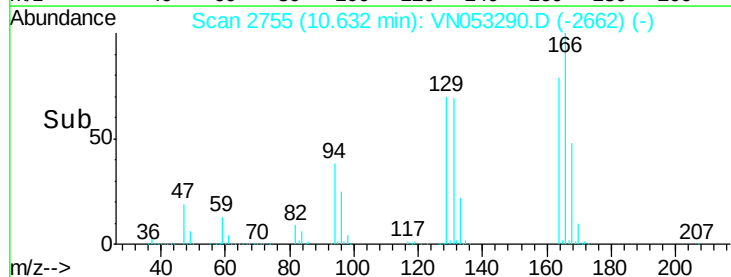
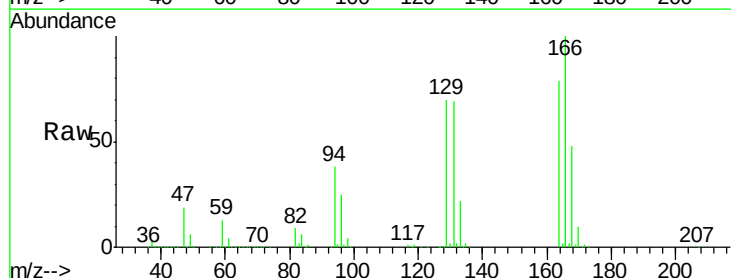
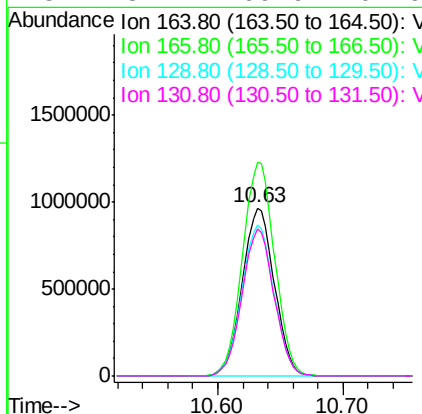
Manual Integrations
APPROVED

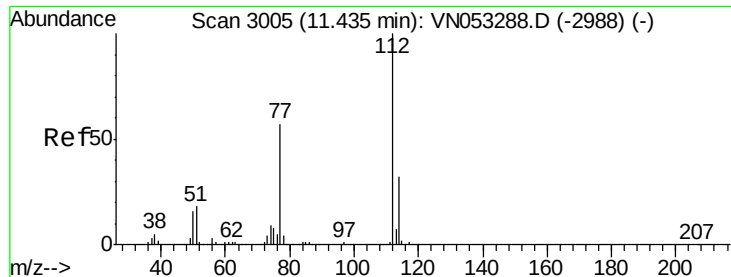
MMDadoda
1/8/2019 10:24:20 AM



#64
Tetrachloroethene
Concen: 140.866 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.7	152.5
129	89.5	72.1	108.1
131	87.4	69.9	104.9





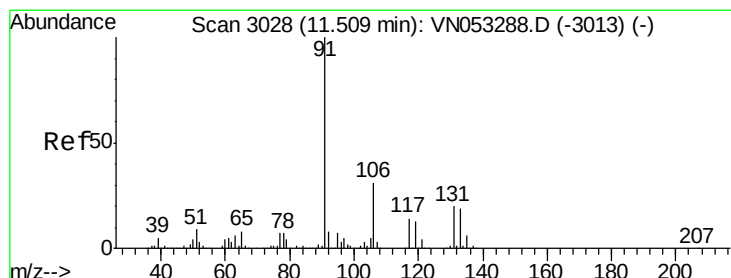
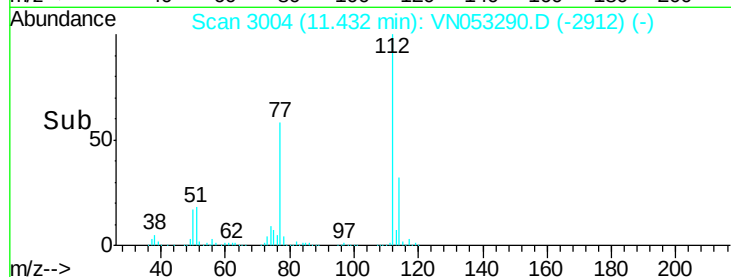
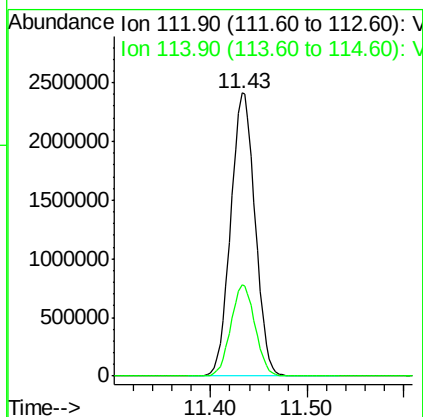
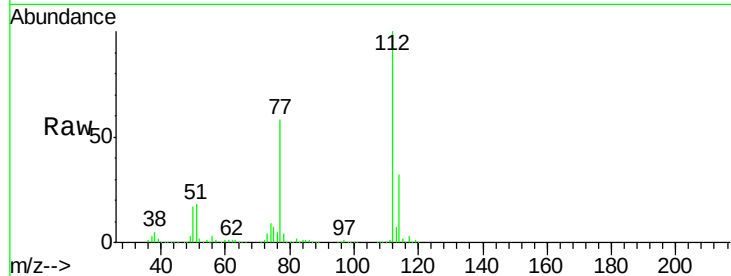
#65
Chlorobenzene
Concen: 151.297 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 4207575
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

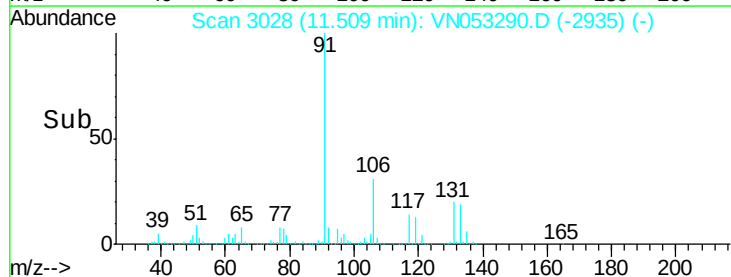
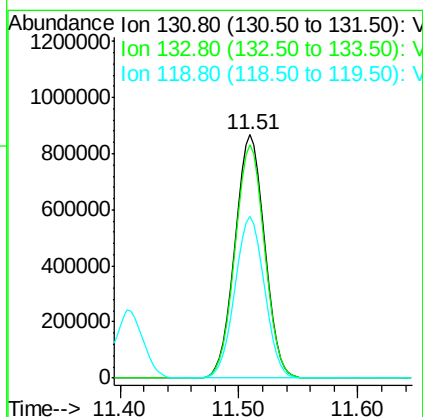
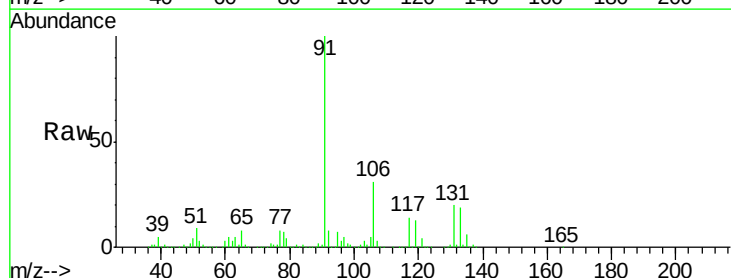
Manual Integrations
APPROVED

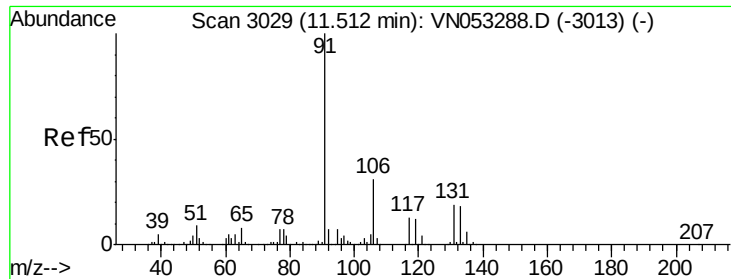
MMDadoda
1/8/2019 10:24:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.448 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion:131 Resp: 1495240
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.6 33.3 99.9





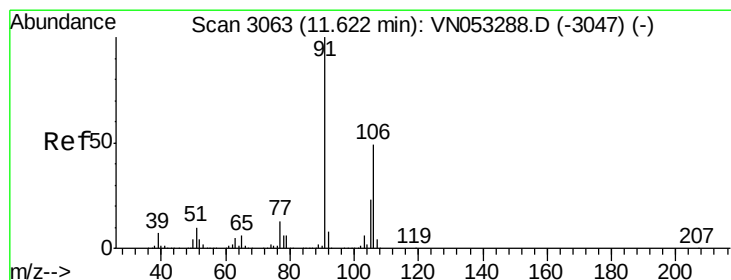
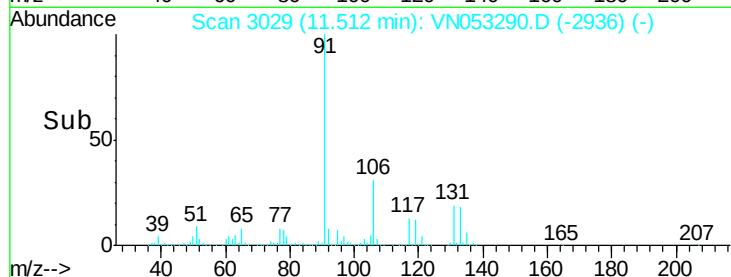
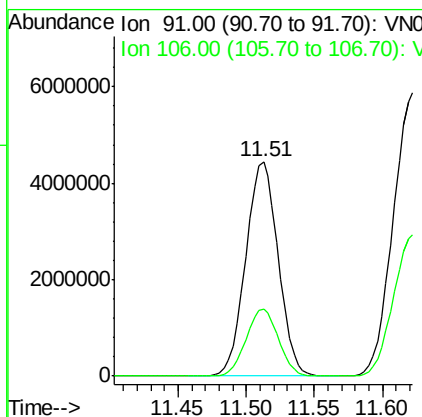
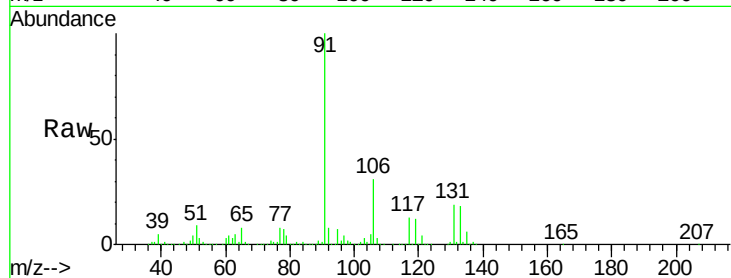
#67
Ethyl Benzene
Concen: 152.497 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 7334280
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

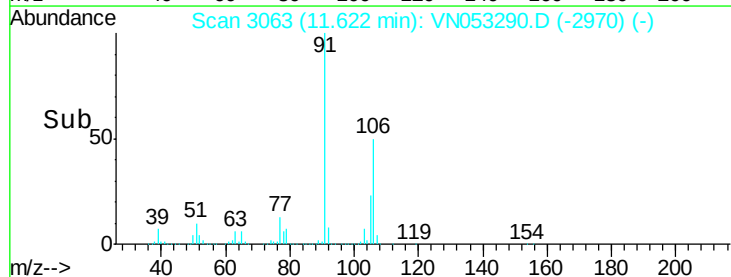
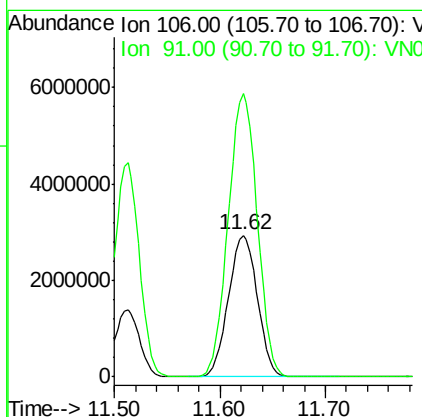
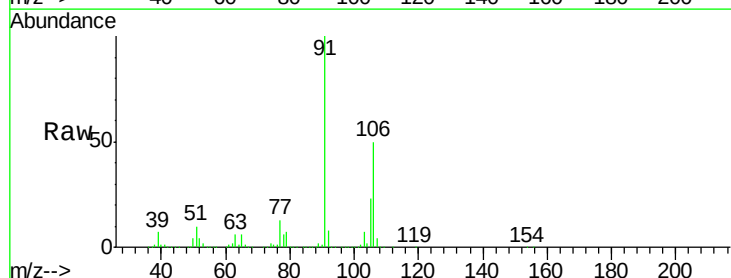
Manual Integrations
APPROVED

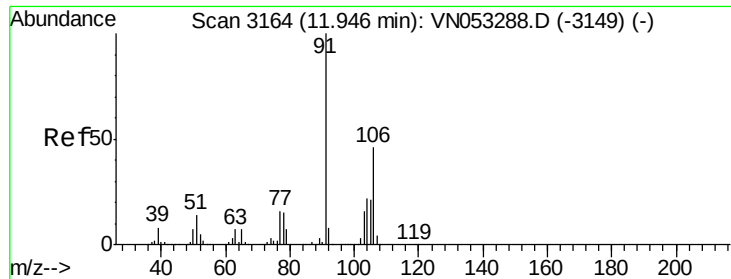
MMDadoda
1/8/2019 10:24:20 AM



#68
m/p-Xylenes
Concen: 303.247 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 106 Resp: 5559380
Ion Ratio Lower Upper
106 100
91 200.9 161.4 242.2





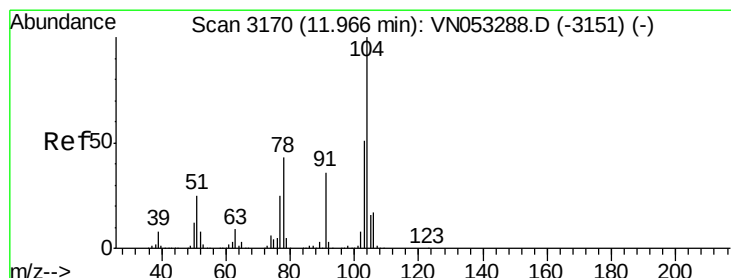
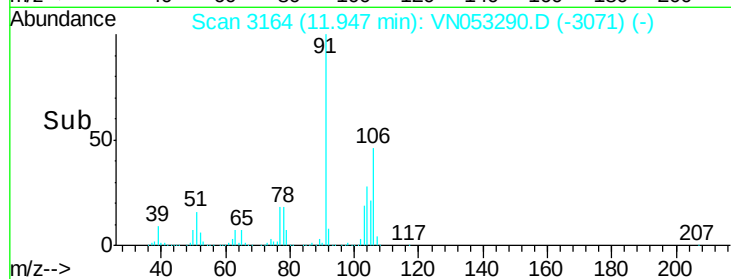
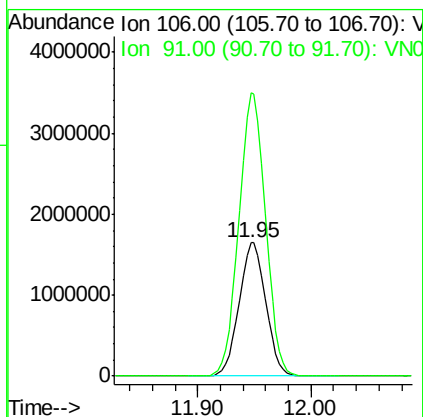
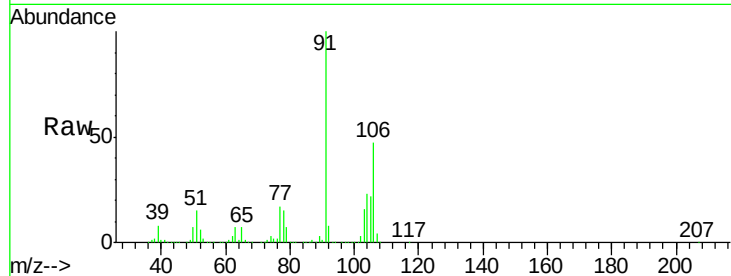
#69
o-Xylene
Concen: 152.420 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 2707847
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.4

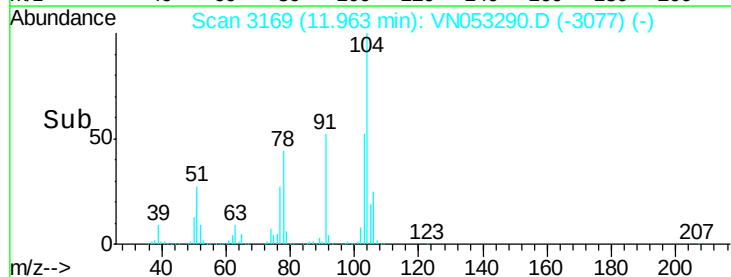
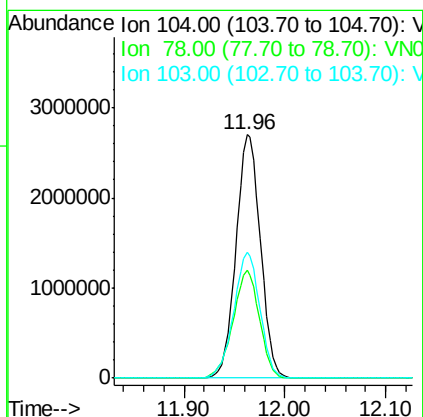
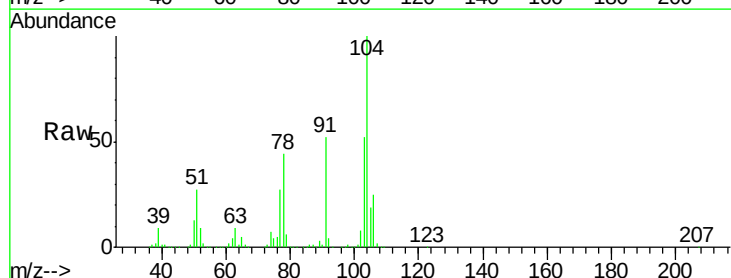
Manual Integrations
APPROVED

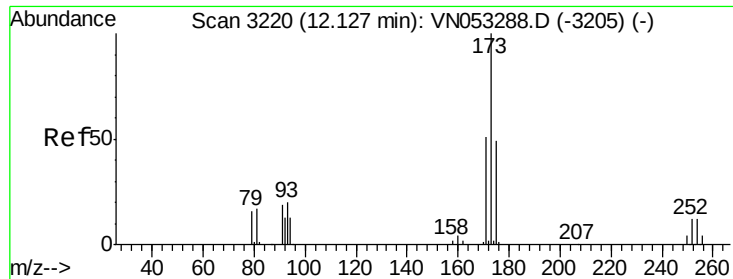
MMDadoda
1/8/2019 10:24:20 AM



#70
Styrene
Concen: 153.455 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion:104 Resp: 4517190
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.5 44.5 66.7





#71

Bromoform

Concen: 158.222 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 1121136

Ion Ratio Lower Upper

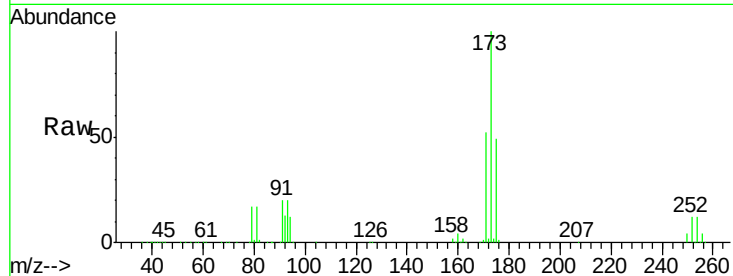
173 100

175 49.0 24.3 72.8

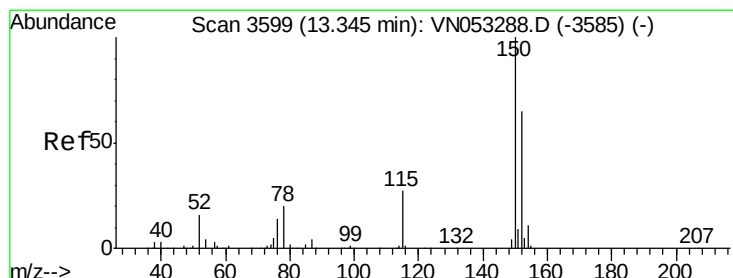
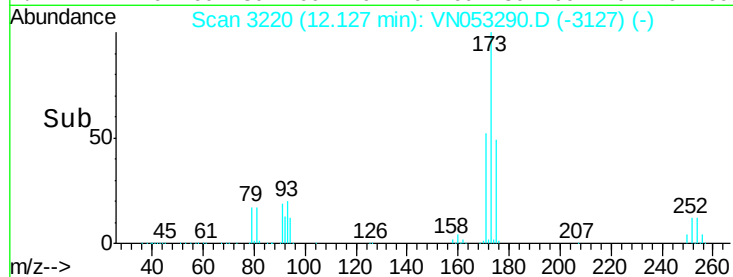
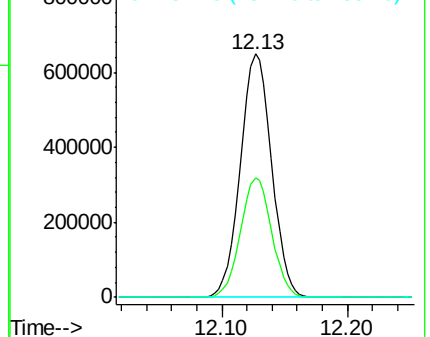
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

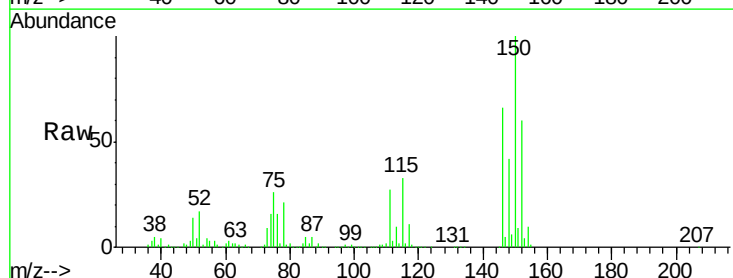
Tgt Ion:152 Resp: 633083

Ion Ratio Lower Upper

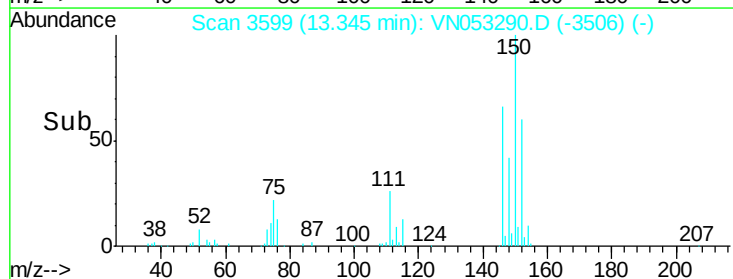
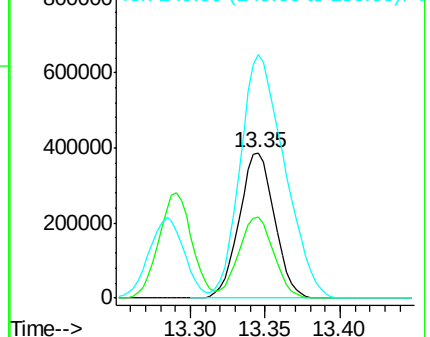
152 100

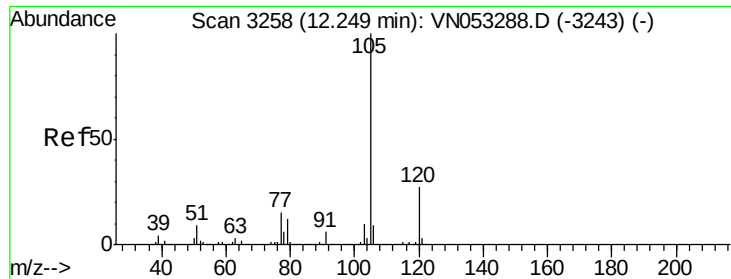
115 55.6 28.0 84.0

150 210.5 0.0 346.6



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





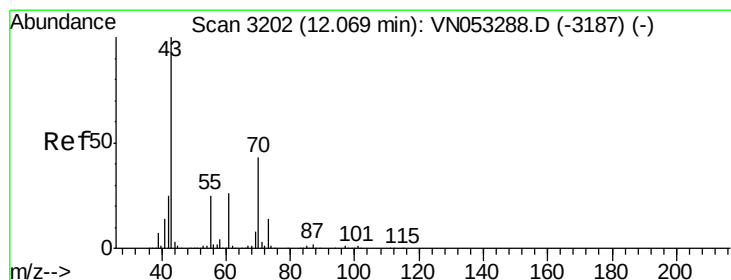
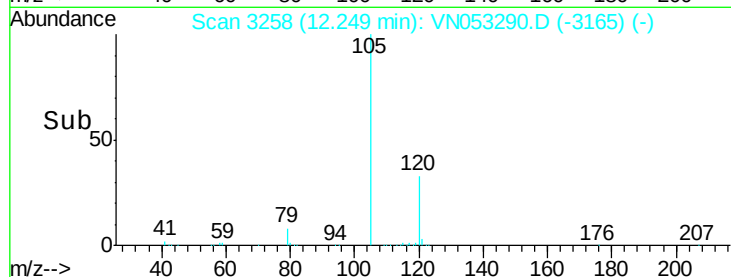
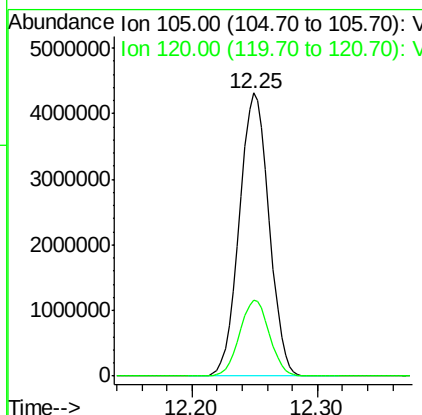
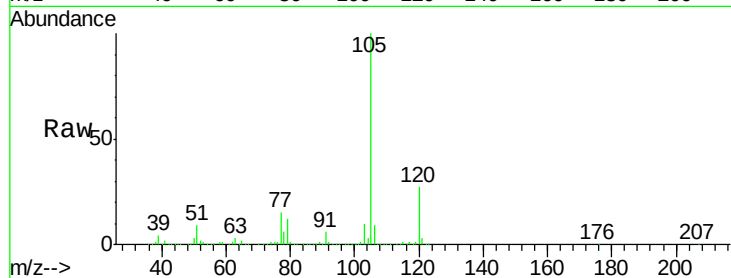
#73
Isopropylbenzene
Concen: 147.909 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 7096083
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

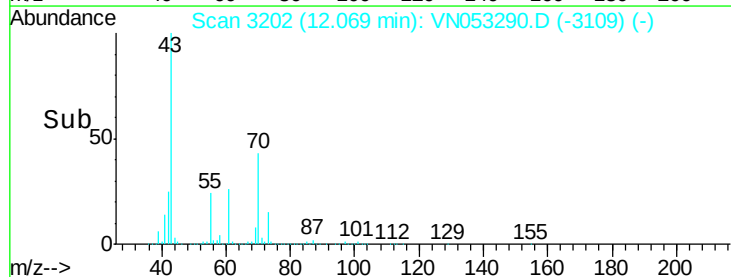
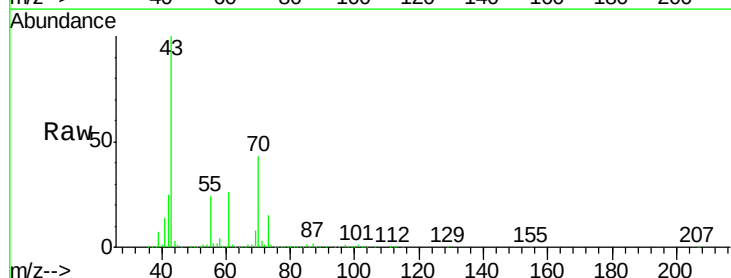
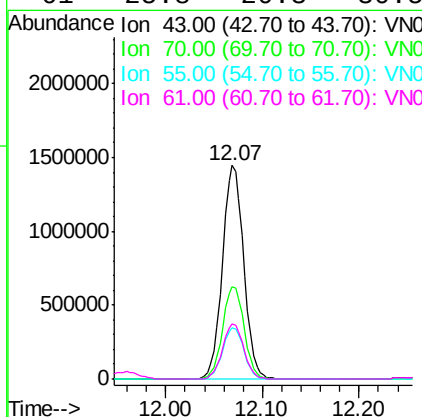
Manual Integrations
APPROVED

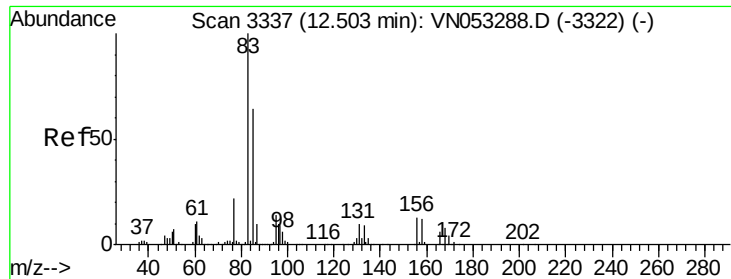
MMDadoda
1/8/2019 10:24:20 AM



#74
N-ethyl acetate
Concen: 150.203 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 43 Resp: 2200529
Ion Ratio Lower Upper
43 100
70 43.9 35.0 52.6
55 24.3 20.0 30.0
61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 148.487 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1576861

Ion Ratio Lower Upper

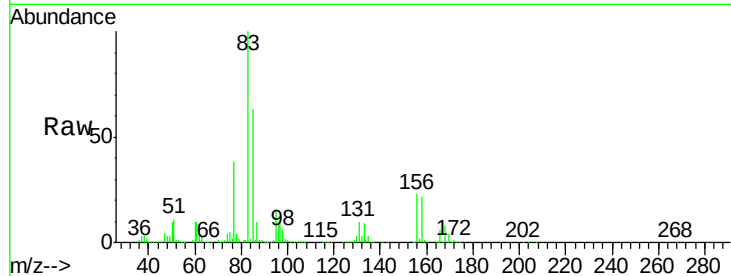
83 100

131 10.5 5.3 15.9

85 63.7 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



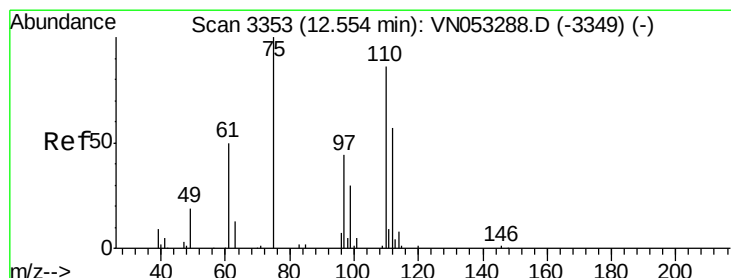
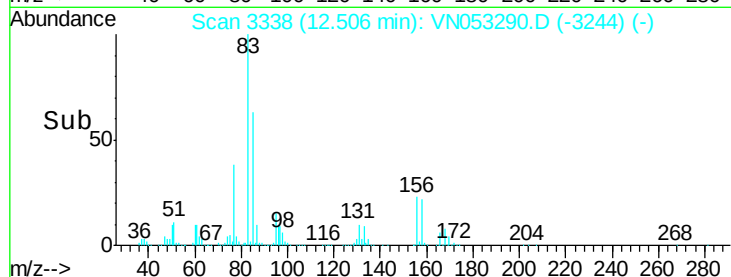
Abundance Ion 82.90 (82.60 to 83.60): VN053288.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053288.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053288.D (-3322) (-)

Time-->

12.51



#76

1,2,3-Trichloropropane

Concen: 146.710 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053290.D

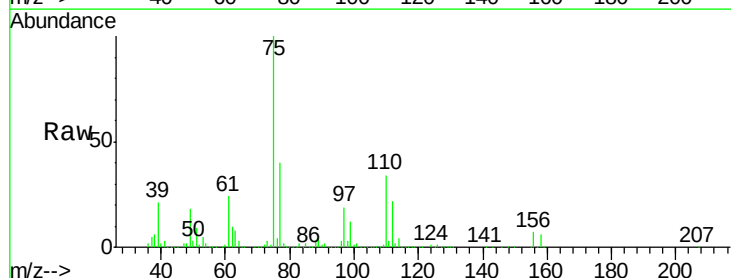
Acq: 4 Jan 2019 19:29

Tgt Ion: 75 Resp: 1319134

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

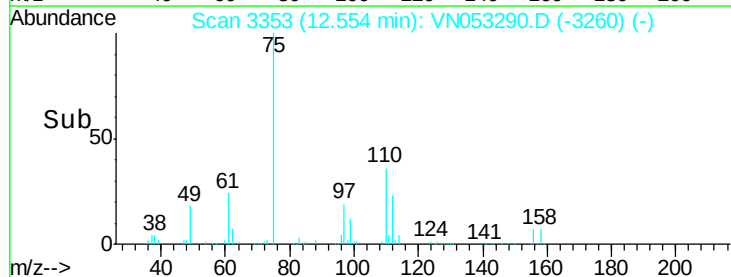


Abundance Ion 74.90 (74.60 to 75.60): VN053288.D (-3349) (-)

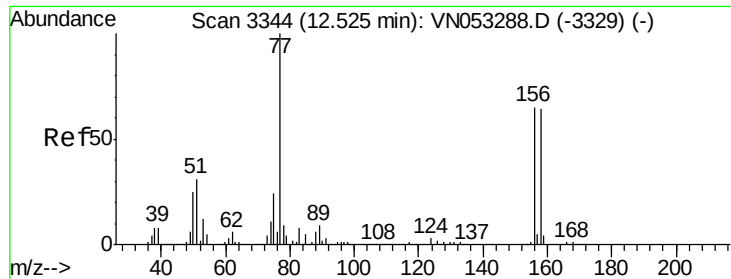
Ion 77.00 (76.70 to 77.70): VN053288.D (-3349) (-)

Time-->

12.55



Time-->



#77

Bromobenzene

Concen: 150.574 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1889131

Ion Ratio Lower Upper

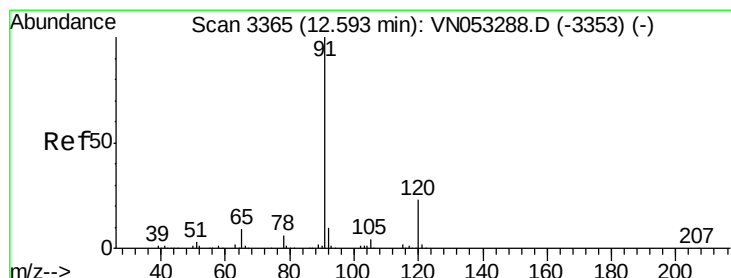
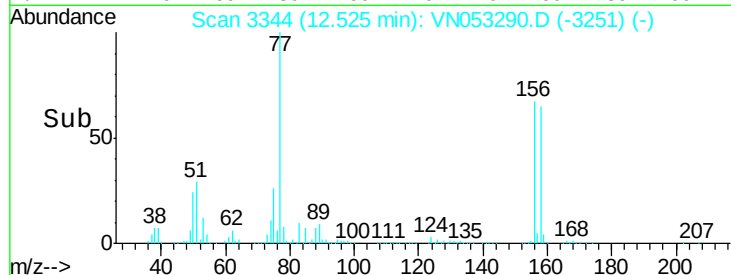
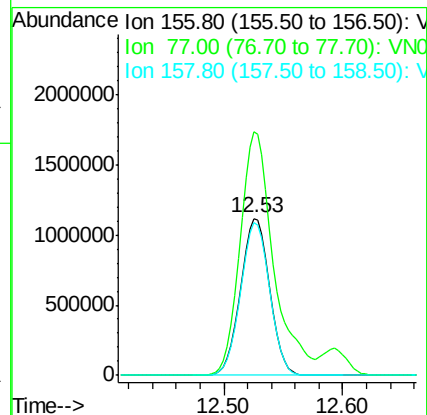
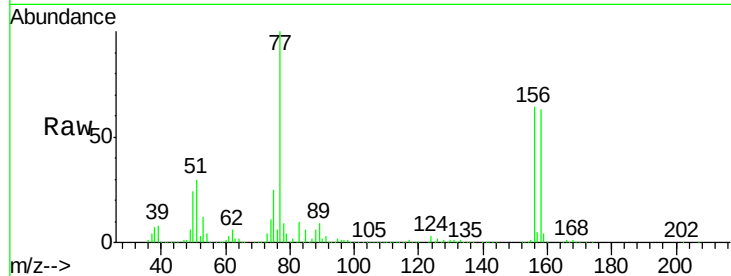
156 100

77 179.3 89.3 268.1

158 97.3 48.9 146.8

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



#78

n-propylbenzene

Concen: 150.119 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053290.D

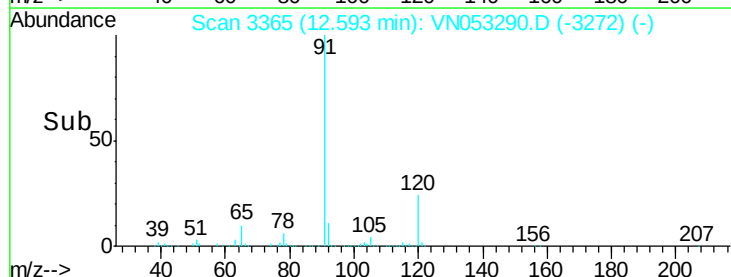
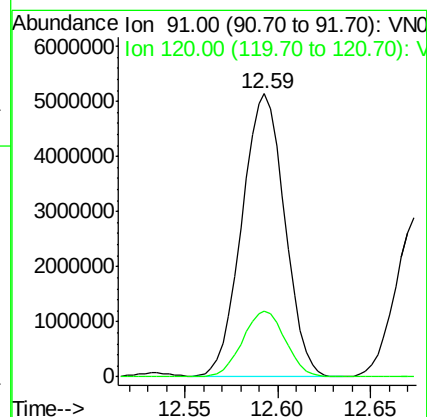
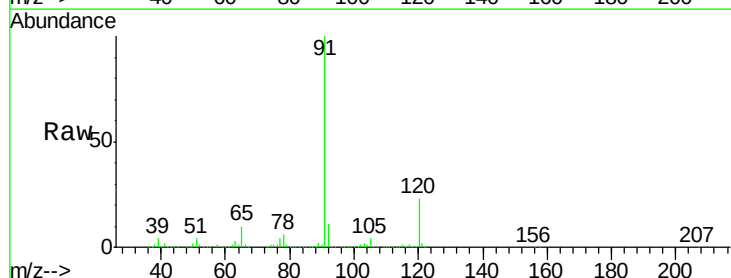
Acq: 4 Jan 2019 19:29

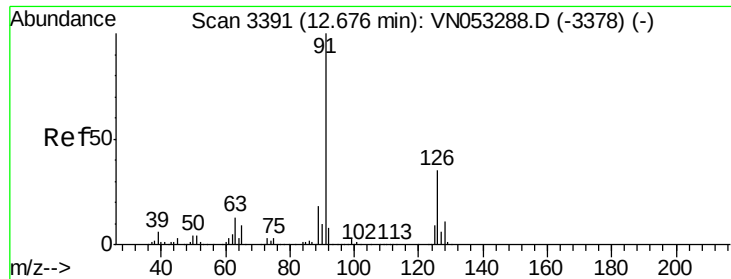
Tgt Ion: 91 Resp: 8211221

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5





#79

2-Chlorotoluene

Concen: 148.954 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4813212

Ion Ratio Lower Upper

91 100

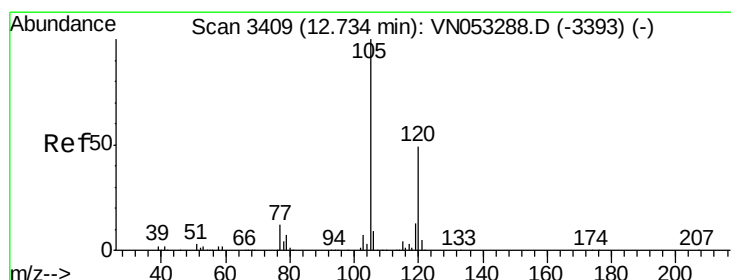
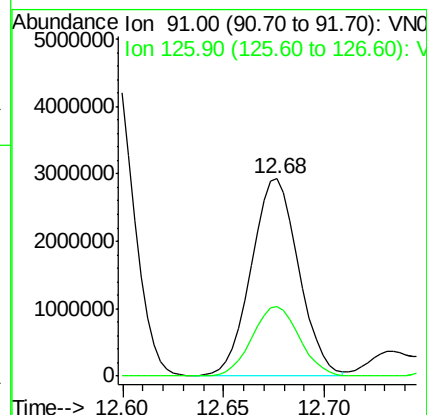
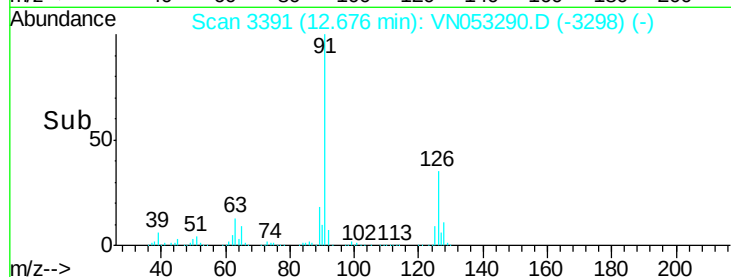
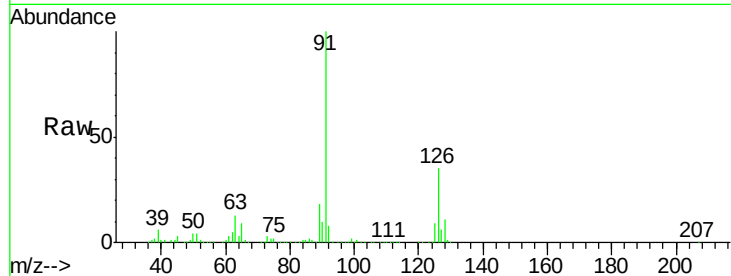
126 35.4 17.5 52.5

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



#80

1,3,5-Trimethylbenzene

Concen: 150.758 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053290.D

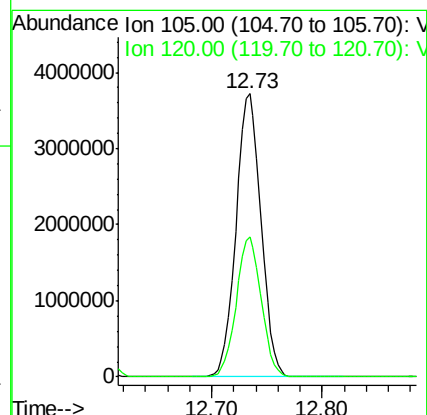
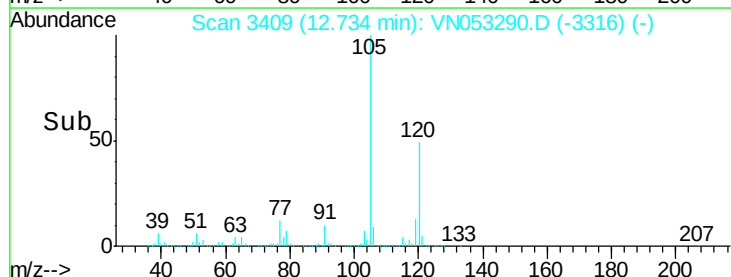
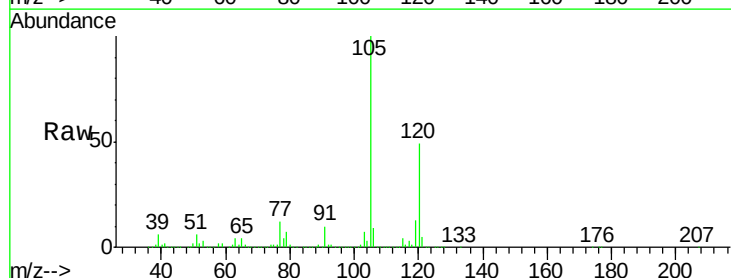
Acq: 4 Jan 2019 19:29

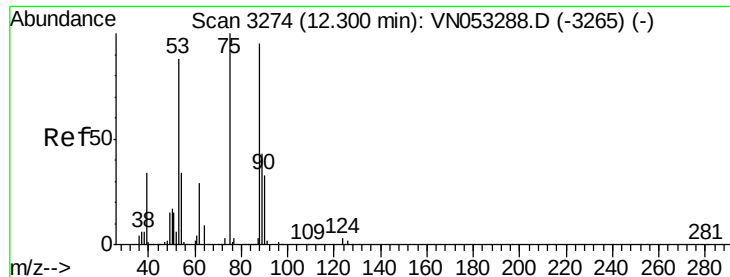
Tgt Ion: 105 Resp: 5823739

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





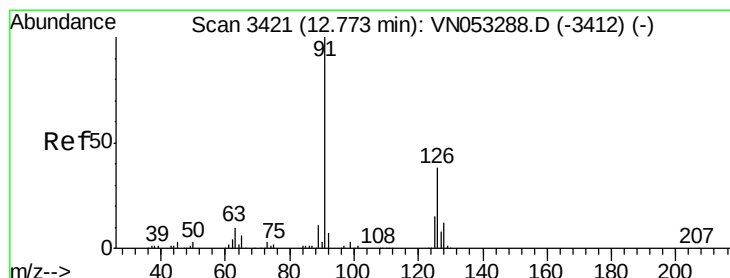
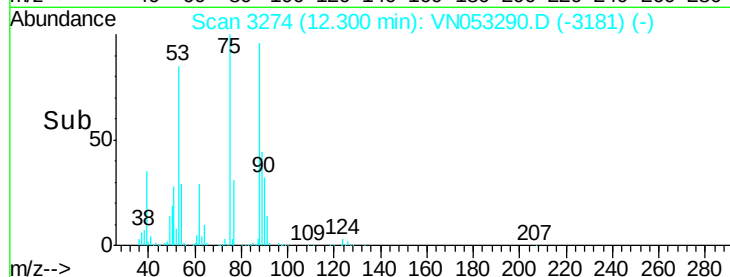
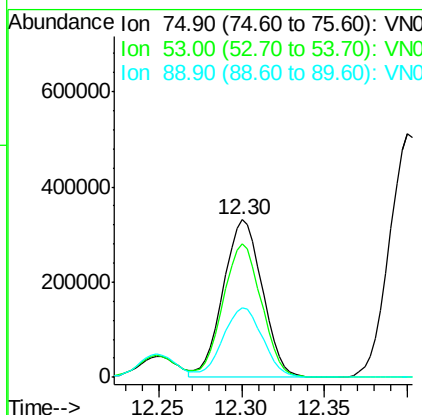
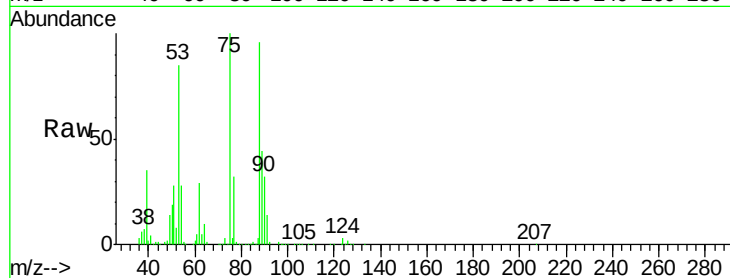
#81
trans-1,4-Dichloro-2-butene
Concen: 161.297 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.1	70.5	105.7
89	45.0	35.4	53.0

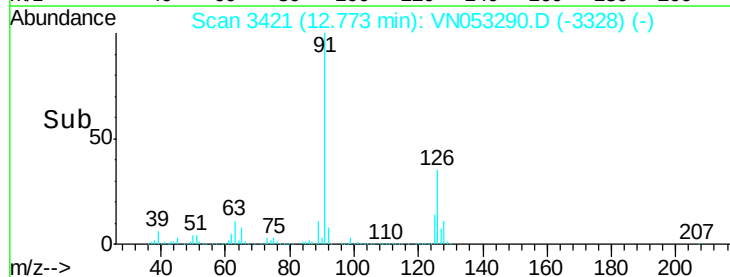
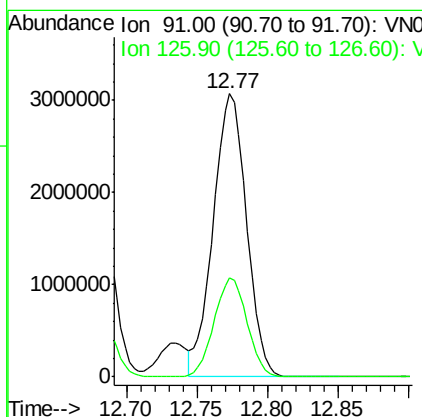
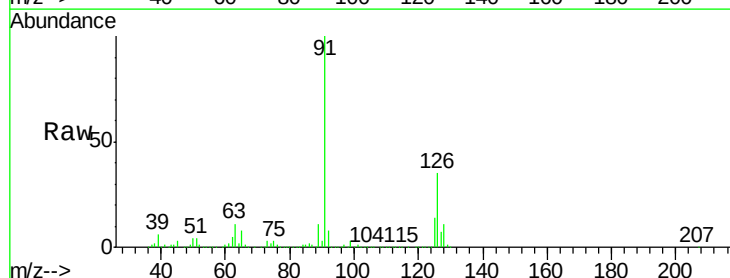
Manual Integrations
APPROVED

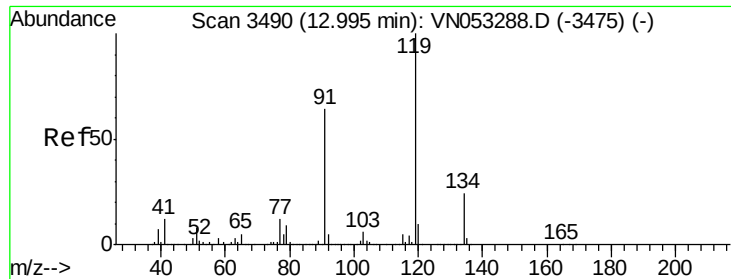
MMDadoda
1/8/2019 10:24:20 AM



#82
4-Chlorotoluene
Concen: 151.850 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





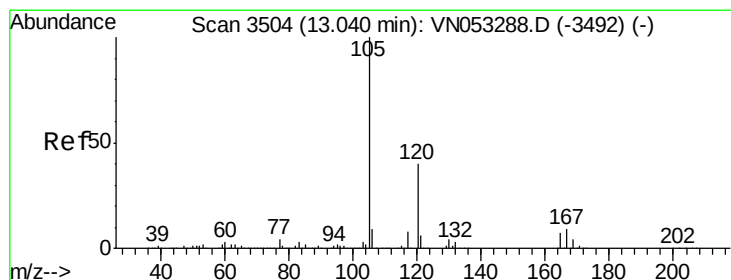
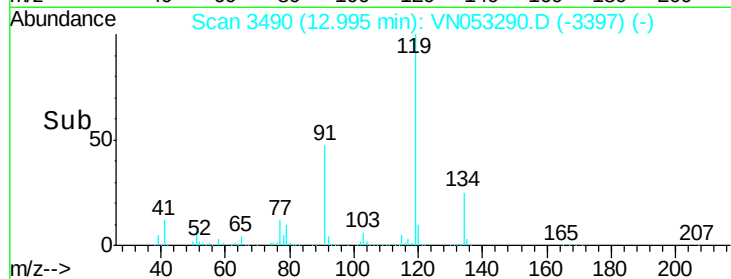
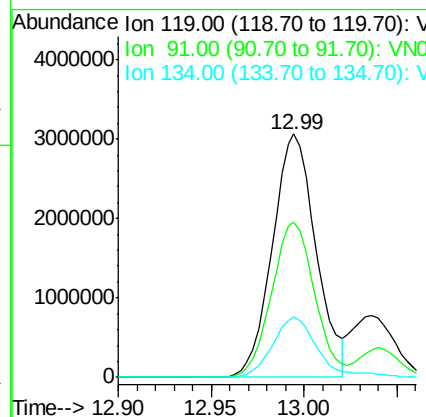
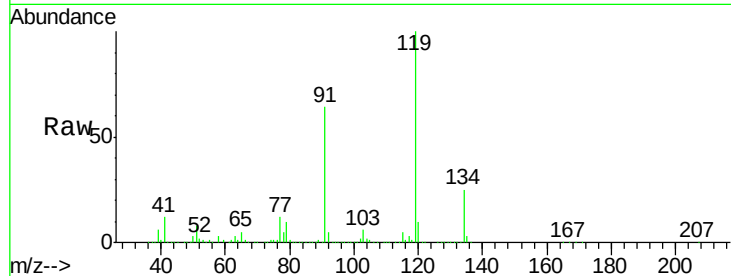
#83
 tert-Butylbenzene
 Concen: 150.750 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 5023915
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 95.0
 134 25.8 12.9 38.6

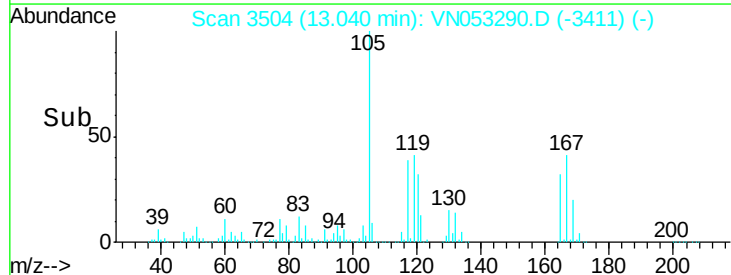
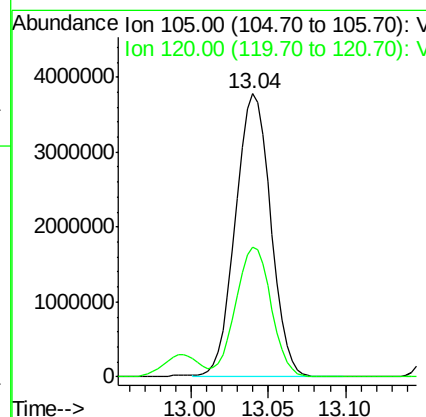
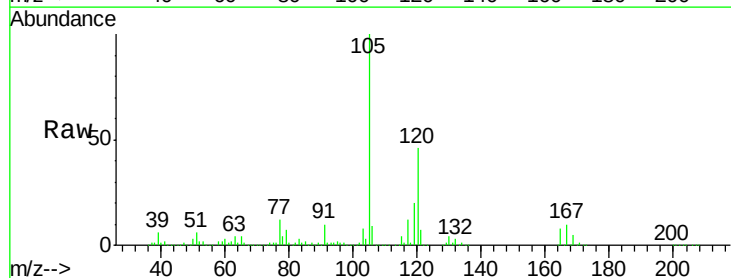
Manual Integrations
 APPROVED

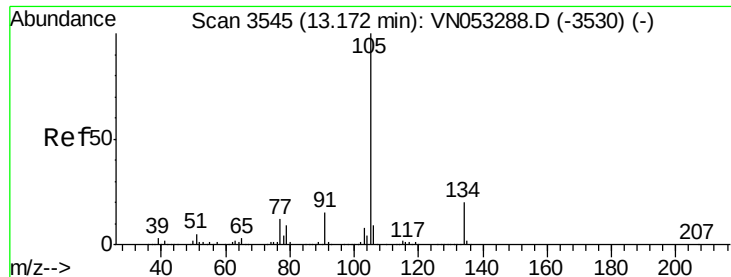
MMDadoda
 1/8/2019 10:24:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 152.071 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion:105 Resp: 5987344
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 152.351 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 6779222

Ion Ratio Lower Upper

105 100

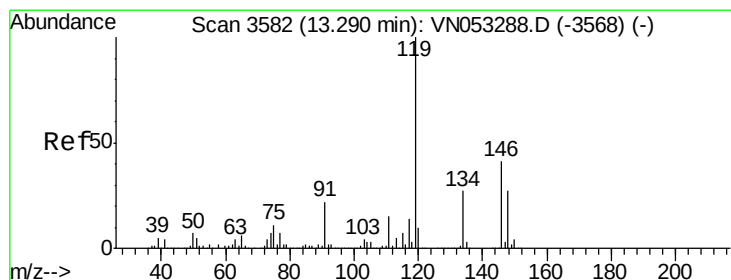
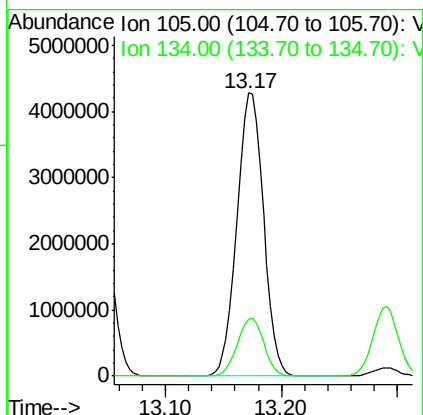
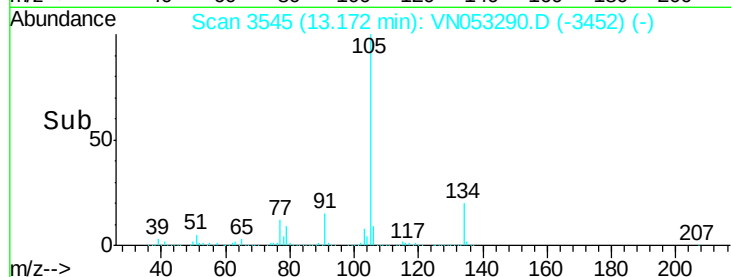
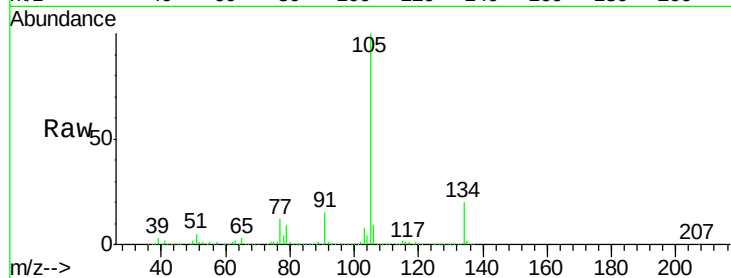
134 20.4 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/8/2019 10:24:20 AM



#86

p-Isopropyltoluene

Concen: 154.204 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

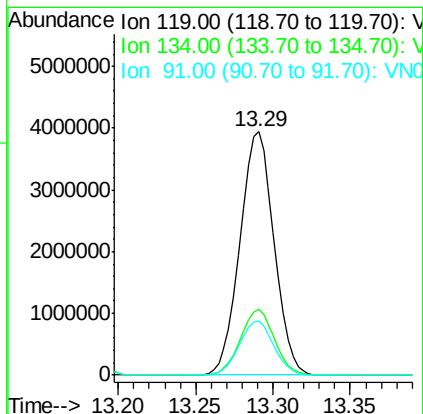
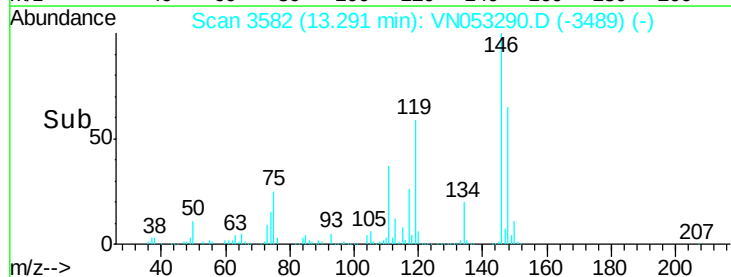
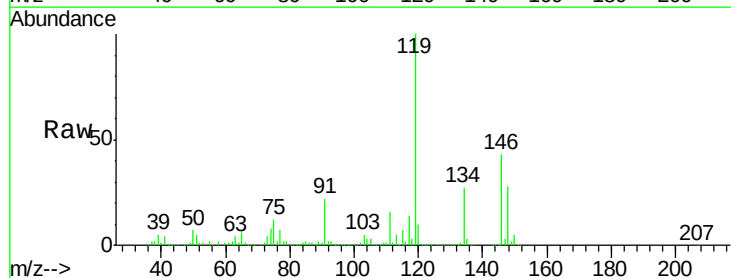
Tgt Ion:119 Resp: 6024014

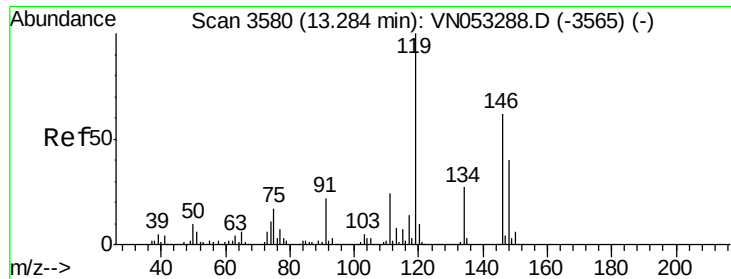
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.2 11.1 33.1





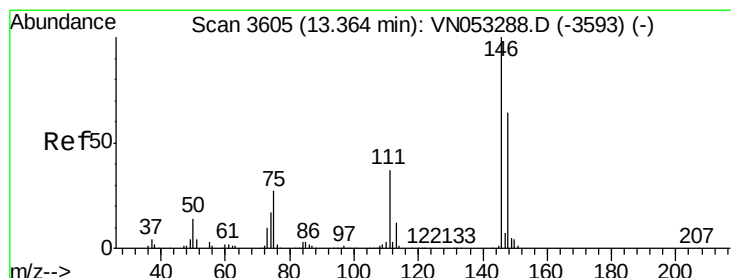
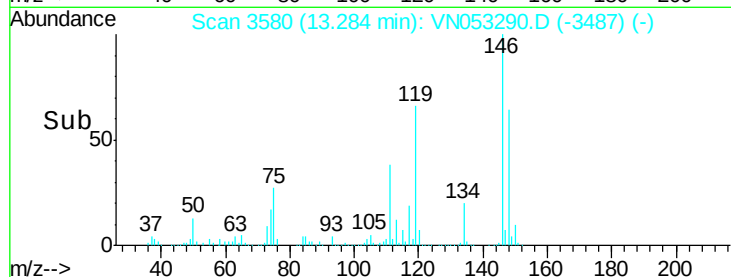
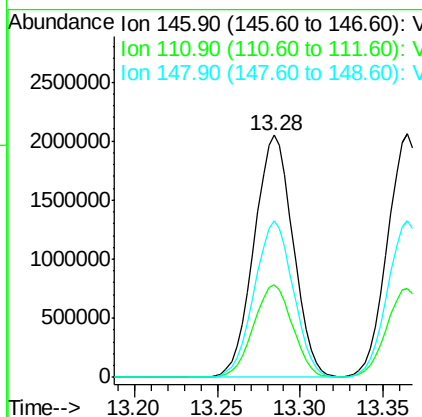
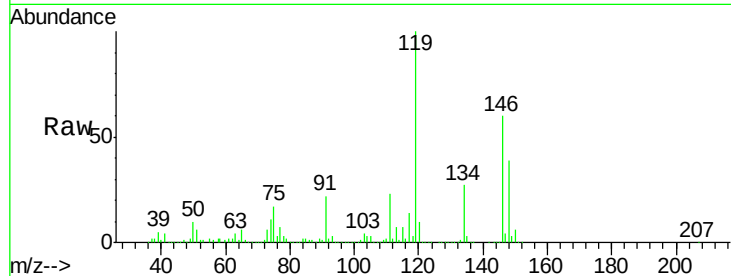
#87
 1,3-Dichlorobenzene
 Concen: 152.720 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 3351505
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 64.5 32.0 96.2

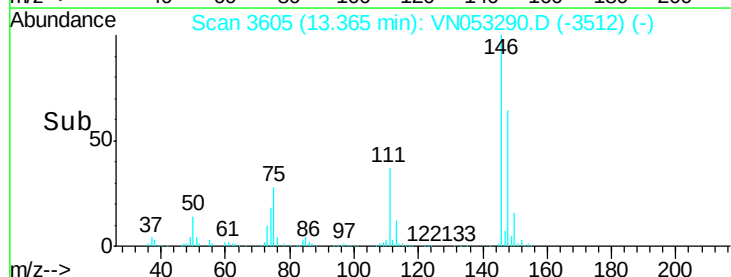
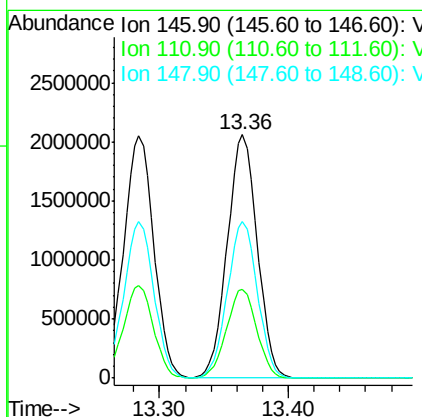
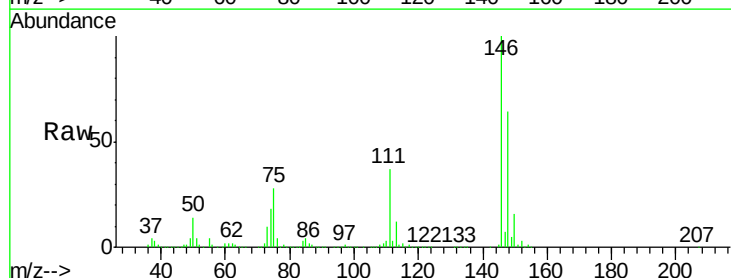
Manual Integrations
 APPROVED

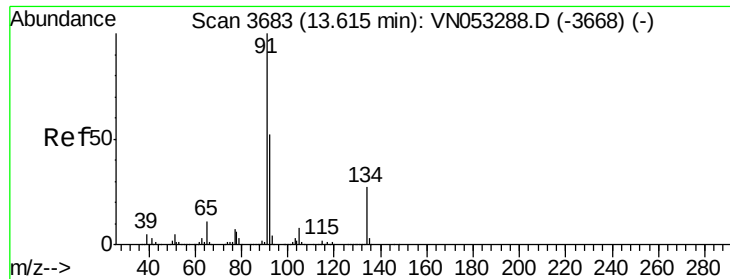
MMDadoda
 1/8/2019 10:24:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 153.280 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion:146 Resp: 3321445
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 64.5 32.0 96.0





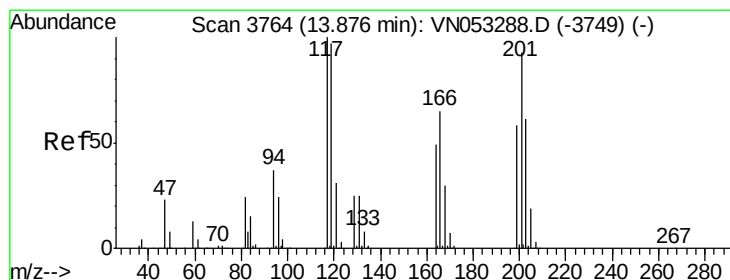
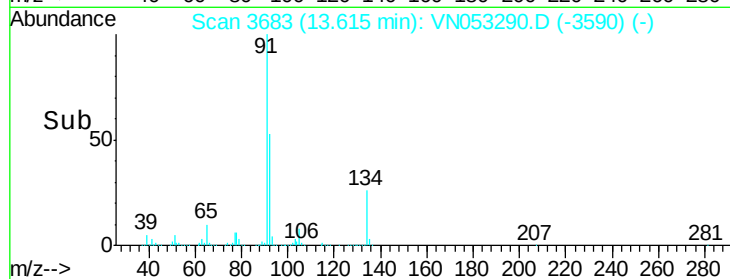
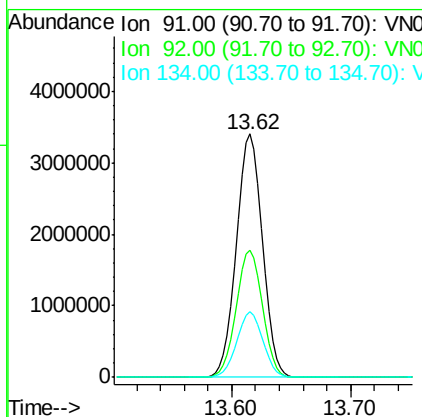
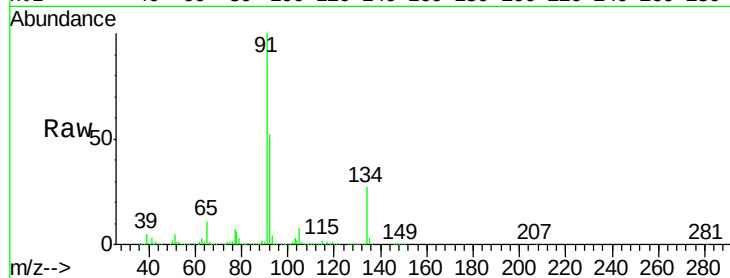
#89
n-Butylbenzene
Concen: 159.620 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 5162065
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 26.9 13.5 40.5

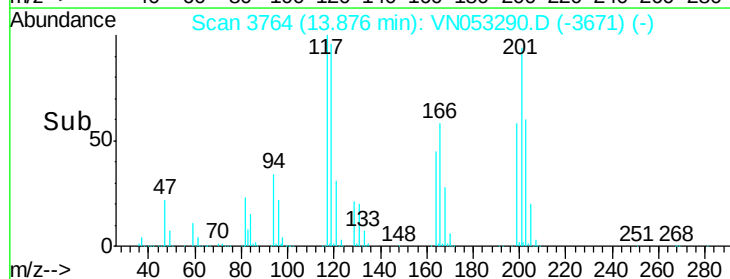
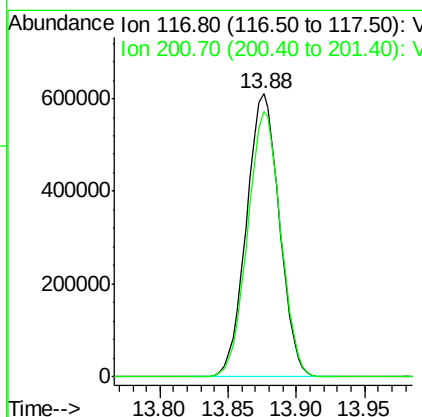
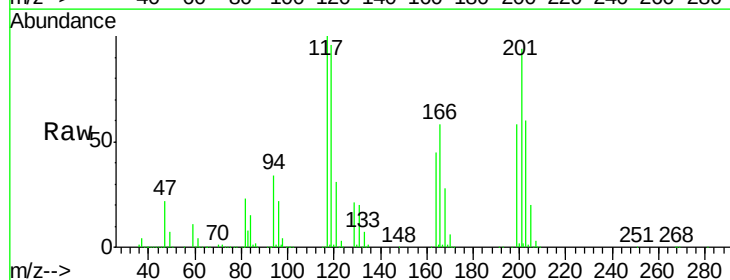
Manual Integrations
APPROVED

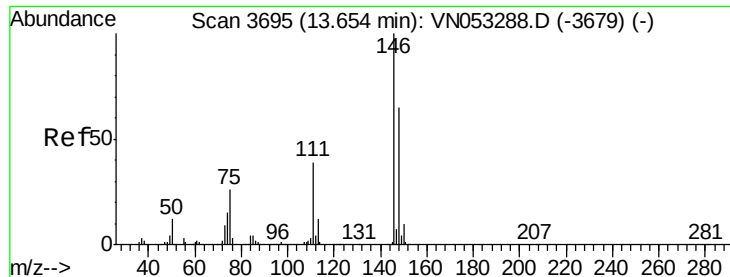
MMDadoda
1/8/2019 10:24:20 AM



#90
Hexachloroethane
Concen: 164.444 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053290.D
Acq: 4 Jan 2019 19:29

Tgt Ion: 117 Resp: 1023527
Ion Ratio Lower Upper
117 100
201 93.9 46.1 138.3





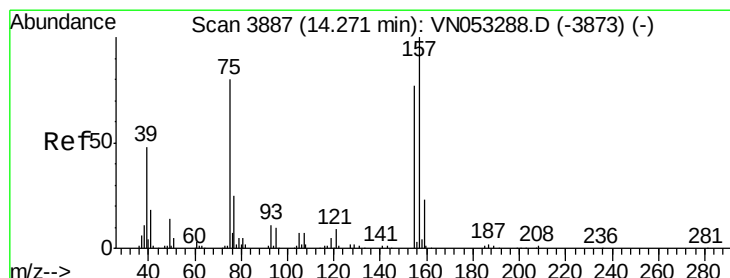
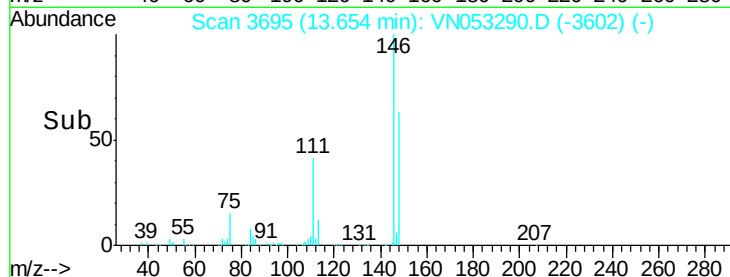
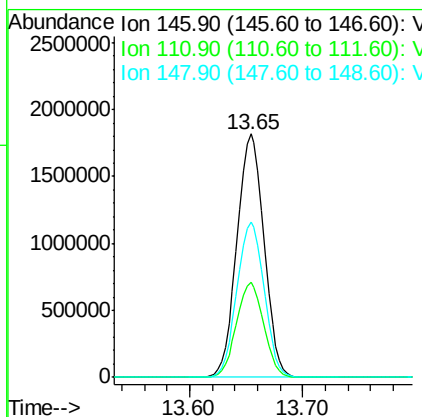
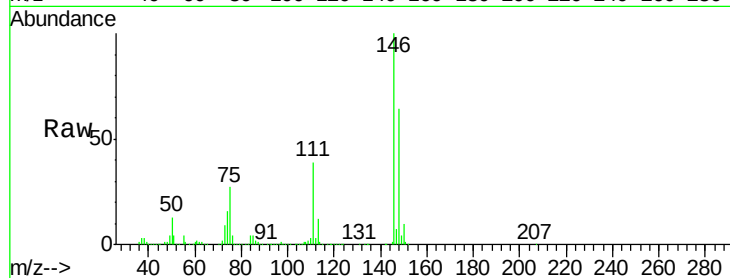
#91
 1,2-Dichlorobenzene
 Concen: 146.112 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	64.2	32.2	96.6

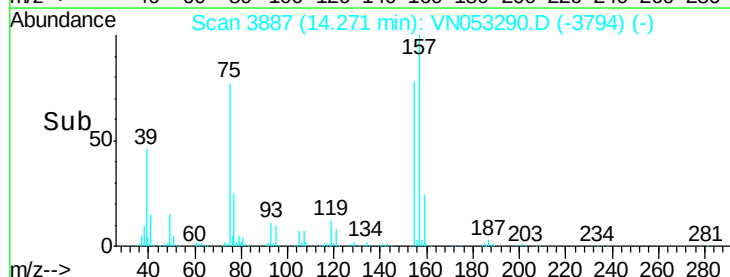
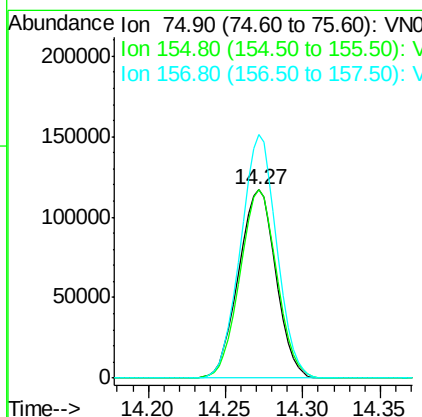
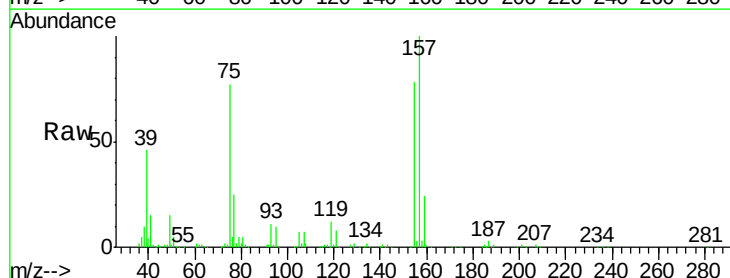
Manual Integrations
 APPROVED

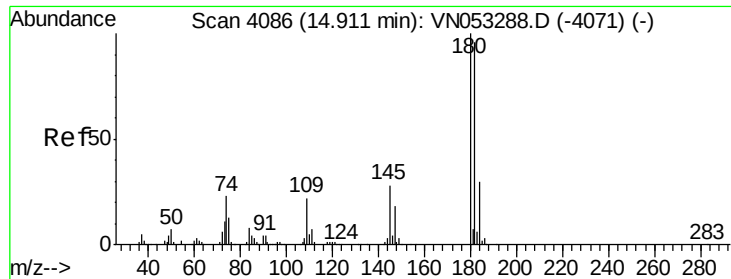
MMDadoda
 1/8/2019 10:24:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.691 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.1	144.3
157	124.9	61.5	184.4





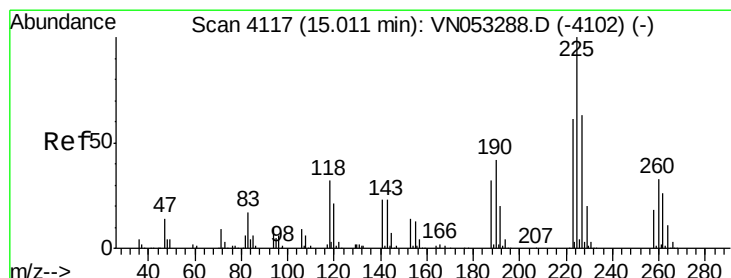
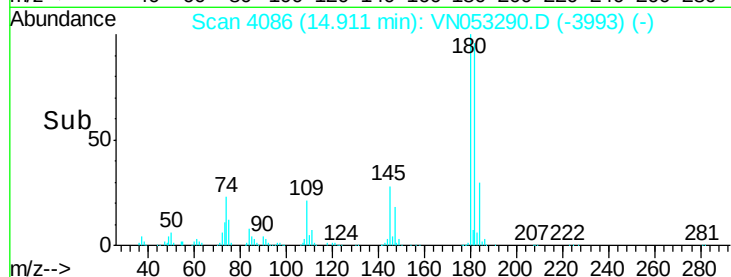
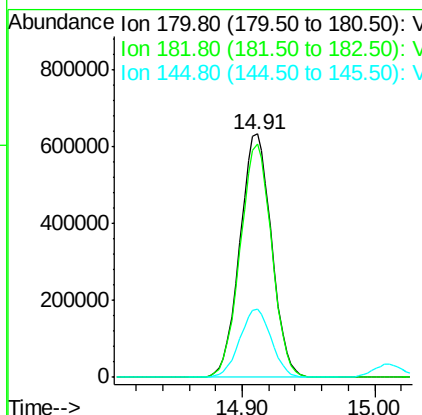
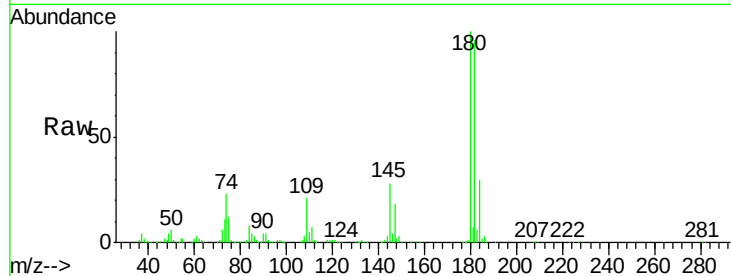
#93
 1,2,4-Trichlorobenzene
 Concen: 151.327 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.4
145	28.0	14.4	43.0

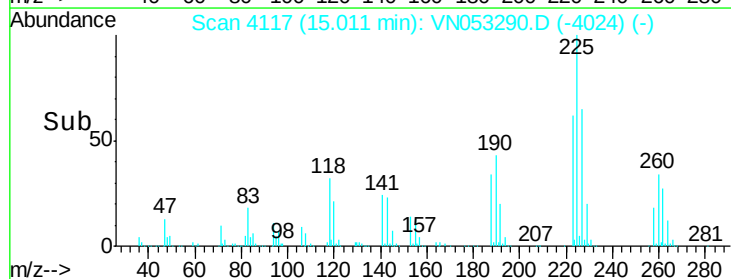
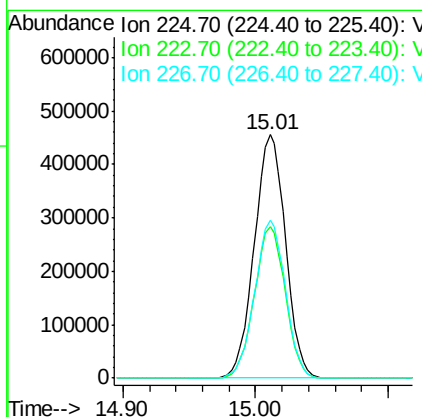
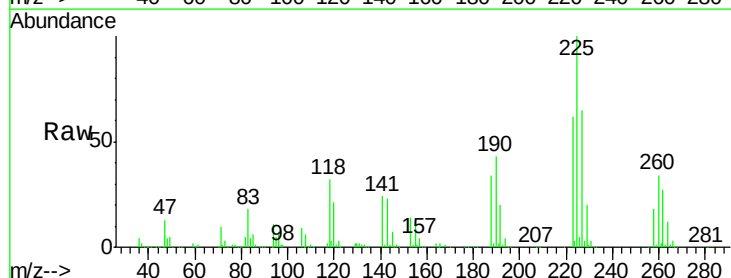
Manual Integrations
 APPROVED

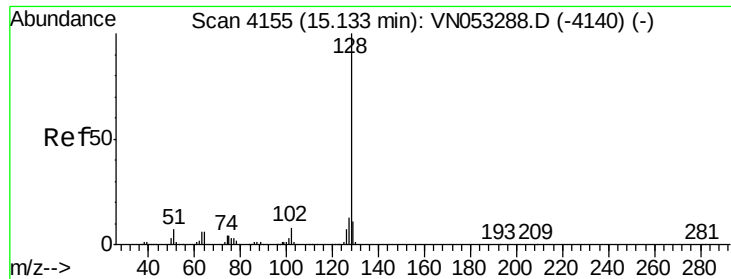
MMDadoda
 1/8/2019 10:24:20 AM



#94
 Hexachlorobutadiene
 Concen: 136.710 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053290.D
 Acq: 4 Jan 2019 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.8
227	63.9	31.4	94.2





#95

Naphthalene

Concen: 156.504 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1874150

Ion Ratio Lower Upper

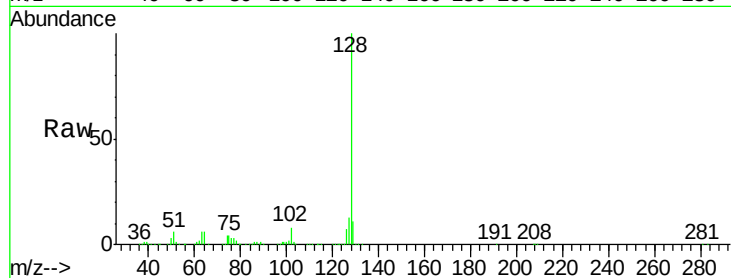
128 100

127 12.8 10.4 15.6

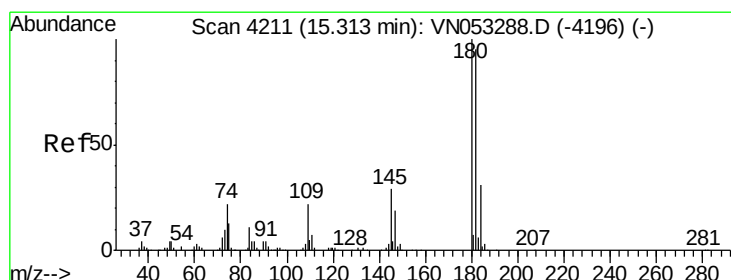
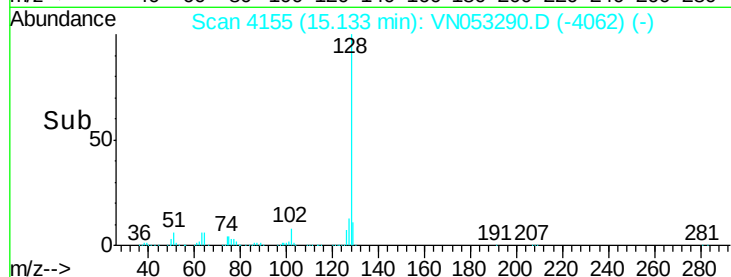
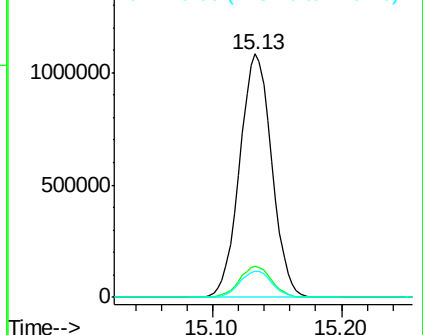
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:20 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 155.771 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053290.D

Acq: 4 Jan 2019 19:29

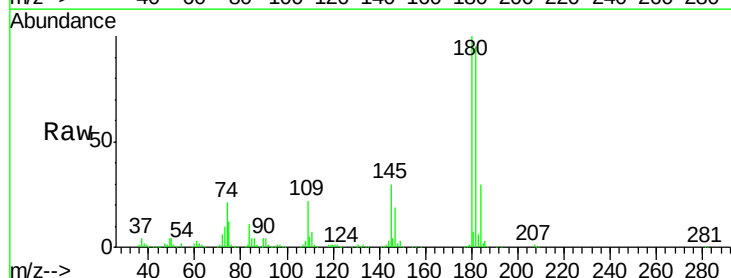
Tgt Ion:180 Resp: 691275

Ion Ratio Lower Upper

180 100

182 95.5 48.4 145.0

145 29.9 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

