

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055022.D
 Acq On : 13 Apr 2019 11:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:06 AM

Quant Time: Apr 14 03:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	471432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	724832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293240	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	240122	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	887302	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.40	95	298564	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	259589	49.921	ug/l	99
3) Chloromethane	2.06	50	315269	45.211	ug/l	98
4) Vinyl Chloride	2.19	62	261647	46.239	ug/l	99
5) Bromomethane	2.53	94	143739	43.881	ug/l	99
6) Chloroethane	2.69	64	143909	46.116	ug/l	96
7) Trichlorofluoromethane	3.01	101	338146	47.640	ug/l	98
8) Diethyl Ether	3.41	74	106586	47.748	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	179416	48.463	ug/l	99
10) Methyl Iodide	3.94	142	322037	60.316	ug/l	94
11) Tert butyl alcohol	4.83	59	76995	211.496	ug/l	98
12) 1,1-Dichloroethene	3.72	96	167501	45.954	ug/l	99
13) Acrolein	3.60	56	103017	234.435	ug/l	98
14) Allyl chloride	4.31	41	428804	48.149	ug/l	98
15) Acrylonitrile	4.99	53	493230	245.640	ug/l	99
16) Acetone	3.82	43	470043	289.213	ug/l	93
17) Carbon Disulfide	4.03	76	563226	47.442	ug/l	100
18) Methyl Acetate	4.33	43	226996	45.057	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	646943	49.677	ug/l	100
20) Methylene Chloride	4.54	84	257501	48.777	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	230578	48.020	ug/l	98
22) Diisopropyl ether	5.96	45	898451	49.756	ug/l	99
23) Vinyl Acetate	5.90	43	3293127	260.750	ug/l	100
24) 1,1-Dichloroethane	5.84	63	461565	47.329	ug/l	99
25) 2-Butanone	6.85	43	671737	268.359	ug/l	100
26) 2,2-Dichloropropane	6.82	77	323007	50.063	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	267473	47.950	ug/l	100
28) Bromochloromethane	7.19	49	225357	48.704	ug/l	100
29) Tetrahydrofuran	7.22	42	405467	247.100	ug/l	99
30) Chloroform	7.37	83	440834	47.403	ug/l	99
31) Cyclohexane	7.65	56	440193	48.802	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	362591	48.942	ug/l	99
36) 1,1-Dichloropropene	7.79	75	338711	50.562	ug/l	99
37) Ethyl Acetate	6.93	43	280092	55.696	ug/l	99
38) Carbon Tetrachloride	7.77	117	309009	49.005	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055022.D
 Acq On : 13 Apr 2019 11:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:06 AM

Quant Time: Apr 14 03:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	372446	48.564	ug/l	100
40) Benzene	8.04	78	1013505	50.042	ug/l	100
41) Methacrylonitrile	7.18	41	157944	51.041	ug/l	95
42) 1,2-Dichloroethane	8.12	62	343857	48.263	ug/l	99
43) Isopropyl Acetate	8.17	43	458205	53.285	ug/l	99
44) Trichloroethene	8.83	130	258801	50.002	ug/l	98
45) 1,2-Dichloropropane	9.12	63	282604	49.447	ug/l	100
46) Dibromomethane	9.21	93	159613	48.739	ug/l	96
47) Bromodichloromethane	9.40	83	340519	51.131	ug/l	97
48) Methyl methacrylate	9.20	41	226958	51.234	ug/l	100
49) 1,4-Dioxane	9.21	88	30247	634.907	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1316928	261.555	ug/l	100
52) Toluene	10.16	92	601102	50.184	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329448	54.632	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	396083	53.320	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	225268	50.486	ug/l	96
56) Ethyl methacrylate	10.43	69	308122	53.666	ug/l	99
57) 1,3-Dichloropropane	10.71	76	388348	50.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	586157	228.866	ug/l	100
59) 2-Hexanone	10.75	43	843970	268.238	ug/l	100
60) Dibromochloromethane	10.90	129	236744	53.304	ug/l	100
61) 1,2-Dibromoethane	11.00	107	219947	51.486	ug/l	97
64) Tetrachloroethene	10.63	164	235157	47.204	ug/l	95
65) Chlorobenzene	11.43	112	609609	49.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232165	51.302	ug/l	99
67) Ethyl Benzene	11.51	91	1134432	50.292	ug/l	99
68) m/p-Xylenes	11.62	106	833740	101.027	ug/l	100
69) o-Xylene	11.95	106	401370	49.155	ug/l	100
70) Styrene	11.96	104	671122	51.836	ug/l	99
71) Bromoform	12.13	173	146021	47.209	ug/l #	98
73) Isopropylbenzene	12.25	105	1069486	46.004	ug/l	99
74) N-amyl acetate	12.07	43	363194	51.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	275354	45.748	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	240798m	47.869	ug/l	
77) Bromobenzene	12.53	156	262762	50.419	ug/l	100
78) n-propylbenzene	12.59	91	1200336	47.392	ug/l	100
79) 2-Chlorotoluene	12.67	91	729694	46.635	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	887841	46.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64885	53.239	ug/l	97
82) 4-Chlorotoluene	12.77	91	719585	47.553	ug/l	99
83) tert-Butylbenzene	12.99	119	737324	45.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	865738	47.707	ug/l	99
85) sec-Butylbenzene	13.17	105	964412	46.589	ug/l	99
86) p-Isopropyltoluene	13.29	119	860016	47.764	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	437264	47.083	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	420979	47.394	ug/l	99
89) n-Butylbenzene	13.61	91	711469	50.312	ug/l	100
90) Hexachloroethane	13.87	117	134797	45.306	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	424592	47.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40056	51.180	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
Data File : VN055022.D
Acq On : 13 Apr 2019 11:10
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM

Quant Time: Apr 14 03:29:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	204418	45.958	ug/l	98
94) Hexachlorobutadiene	15.01	225	149876	56.039	ug/l	98
95) Naphthalene	15.13	128	452353	43.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	208133	51.176	ug/l	98

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

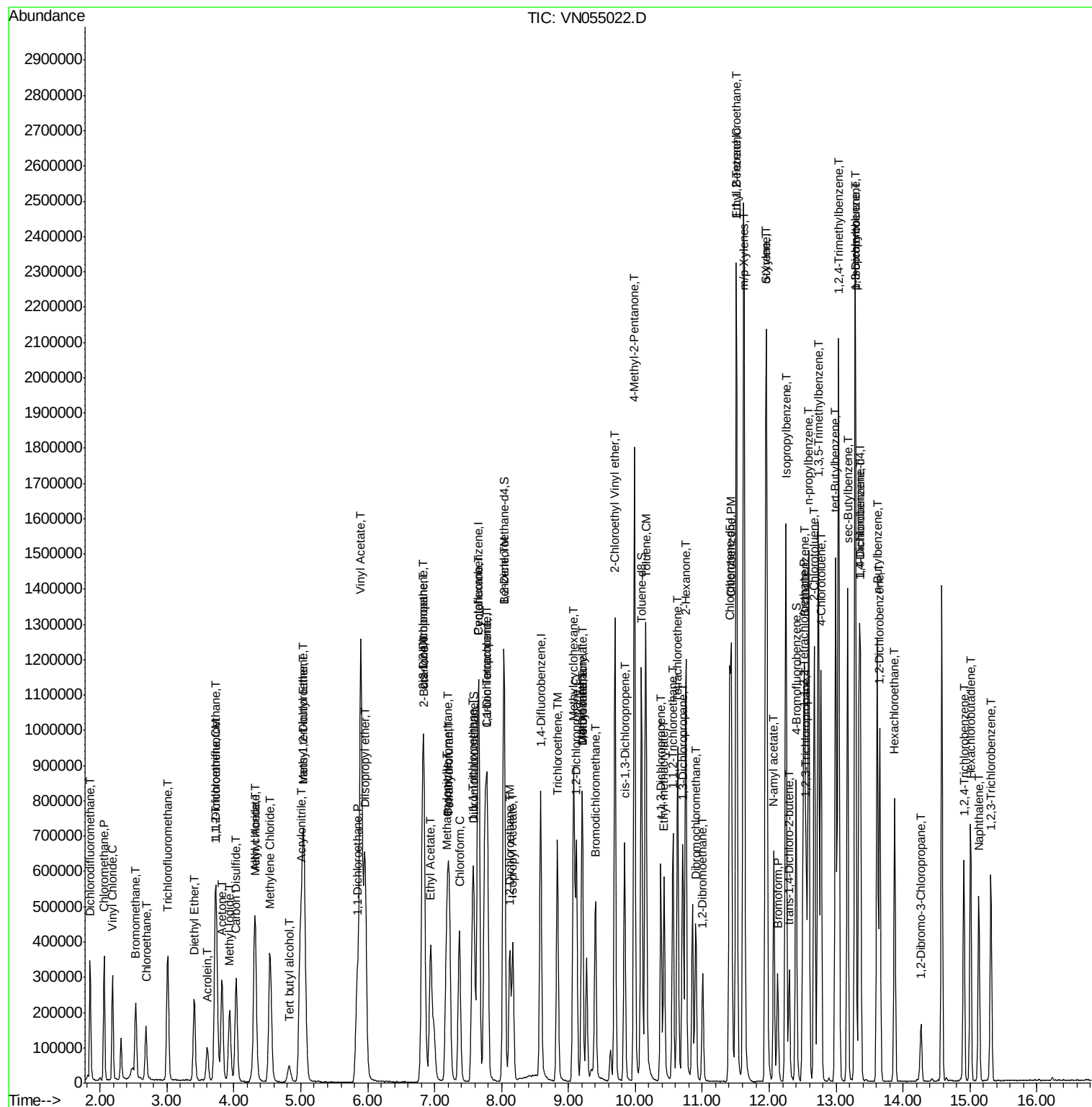
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055022.D
 Acq On : 13 Apr 2019 11:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

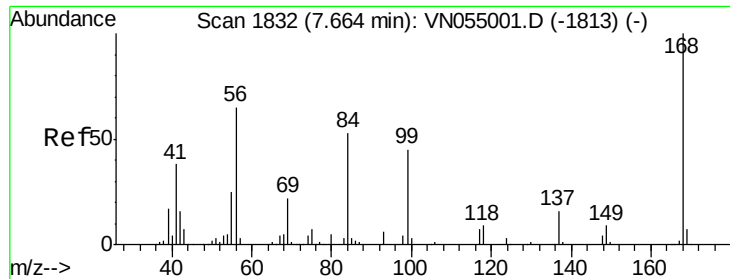
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:06 AM

Quant Time: Apr 14 03:29:55 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 471432

Ion Ratio Lower Upper

168 100

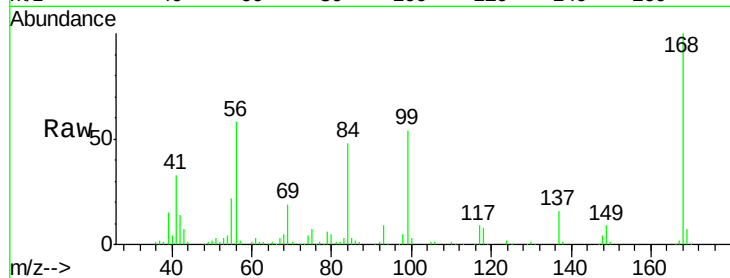
99 53.4 41.9 62.9

Manual Integrations

APPROVED

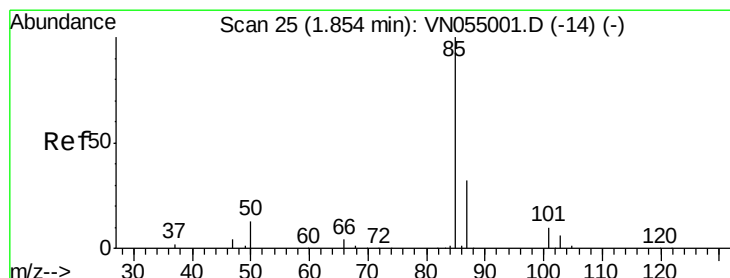
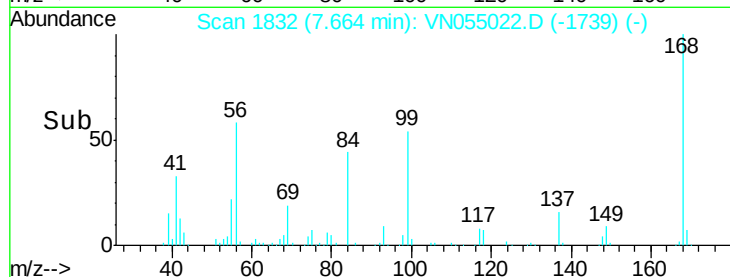
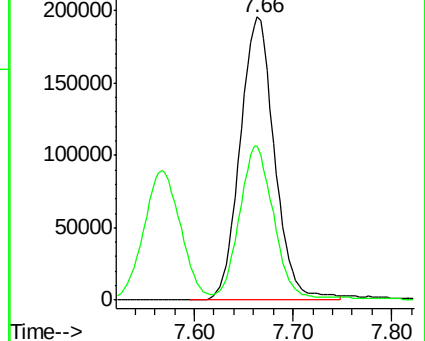
MMDadoda

4/17/2019 10:04:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.921 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055022.D

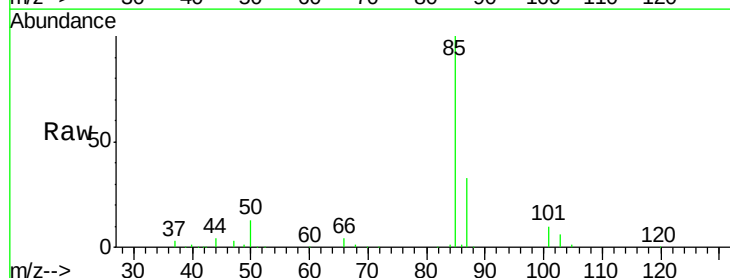
Acq: 13 Apr 2019 11:10

Tgt Ion: 85 Resp: 259589

Ion Ratio Lower Upper

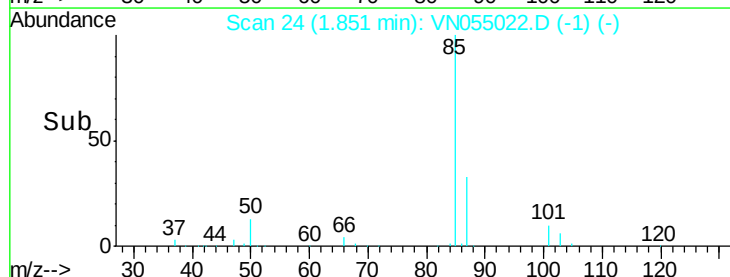
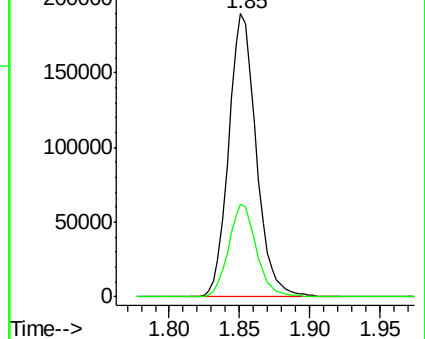
85 100

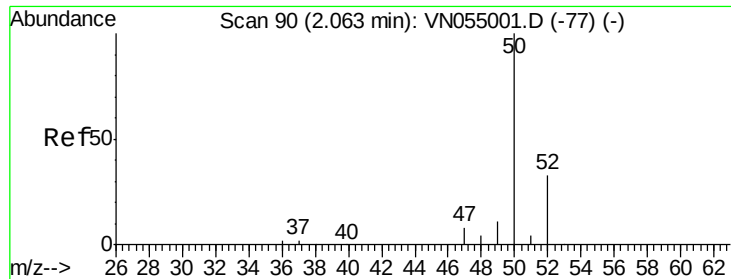
87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.211 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 315269

Ion Ratio Lower Upper

50 100

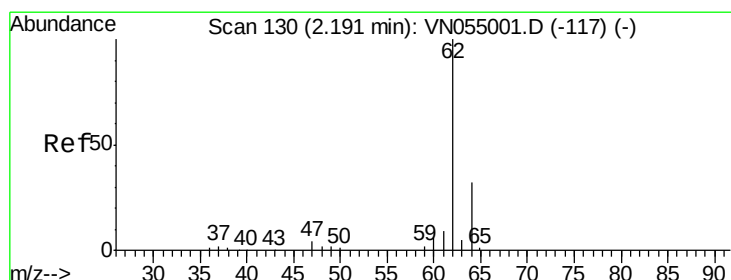
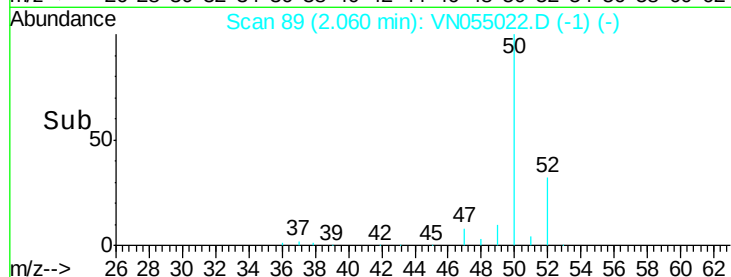
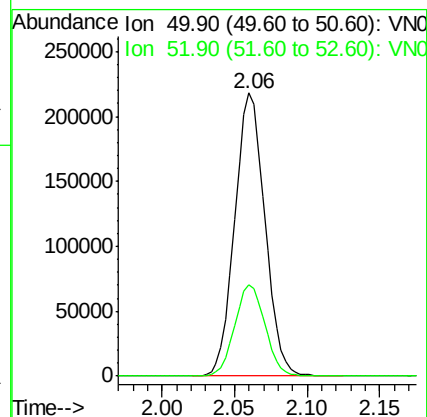
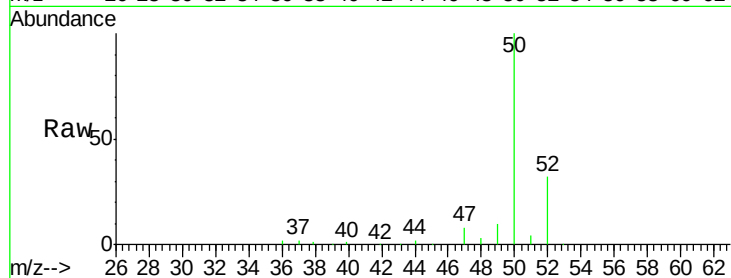
52 32.2 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#4

Vinyl Chloride

Concen: 46.239 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055022.D

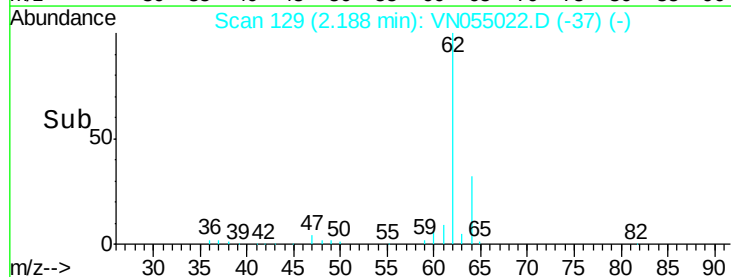
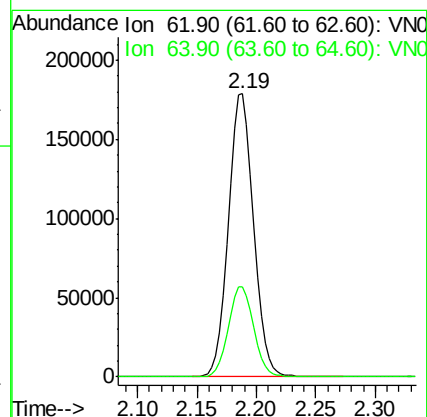
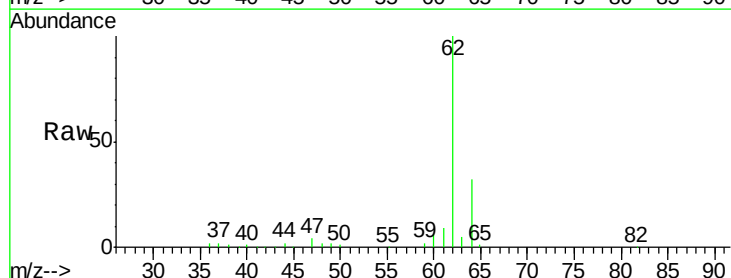
Acq: 13 Apr 2019 11:10

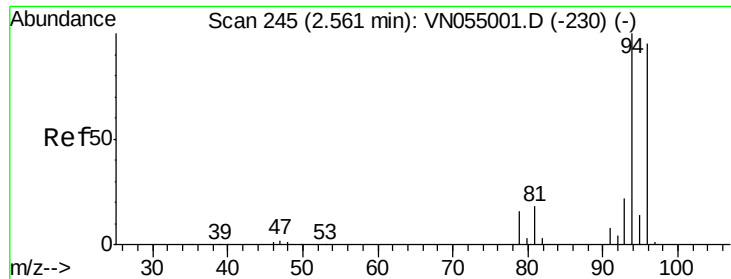
Tgt Ion: 62 Resp: 261647

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6





#5

Bromomethane

Concen: 43.881 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.03 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 143739

Ion Ratio Lower Upper

94 100

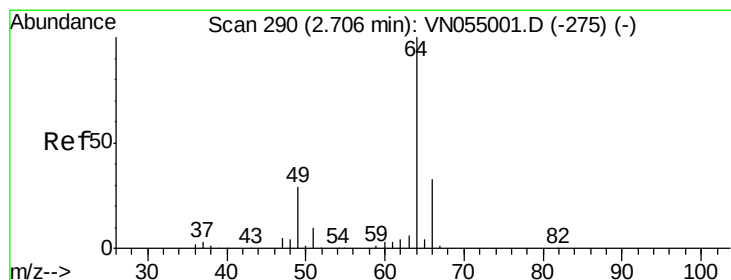
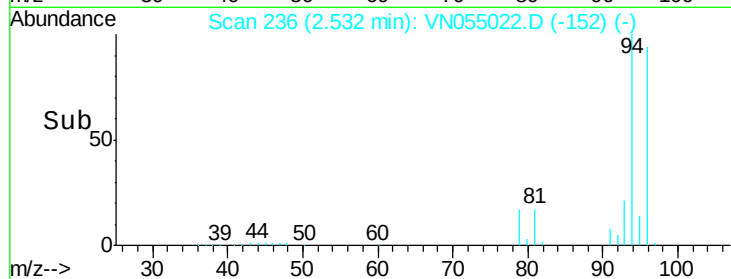
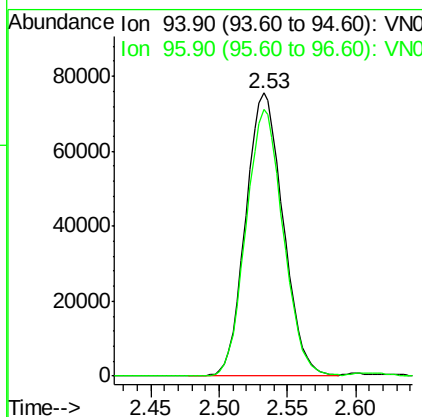
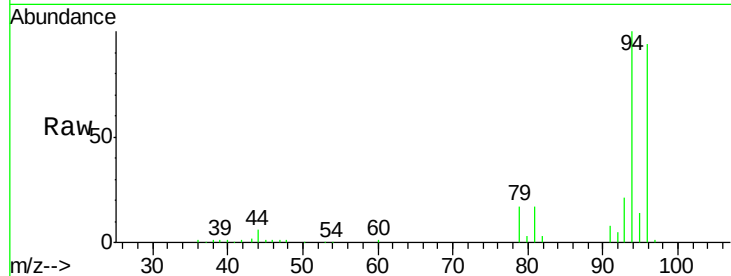
96 94.2 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#6

Chloroethane

Concen: 46.116 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.02 min

Lab File: VN055022.D

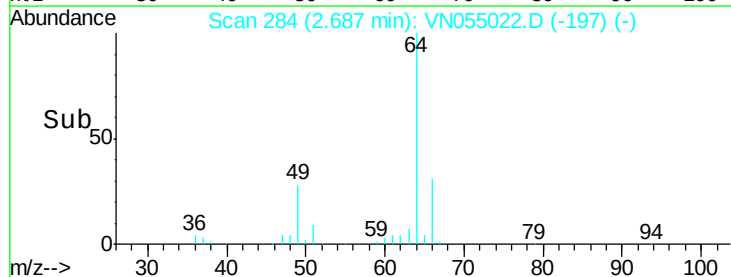
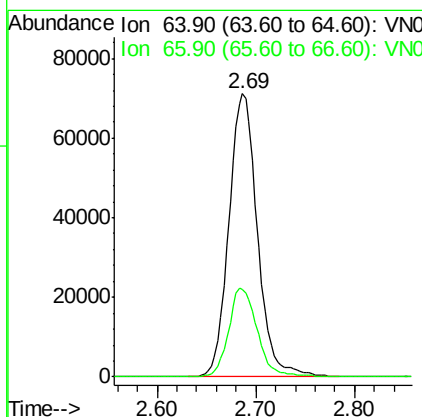
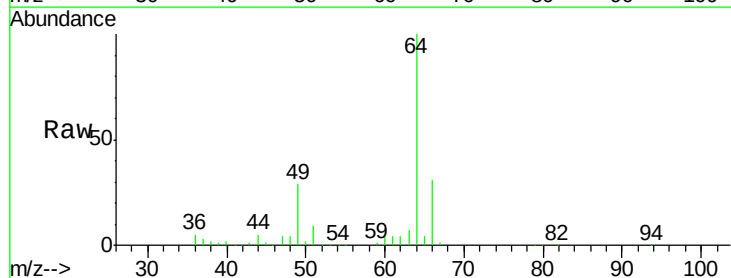
Acq: 13 Apr 2019 11:10

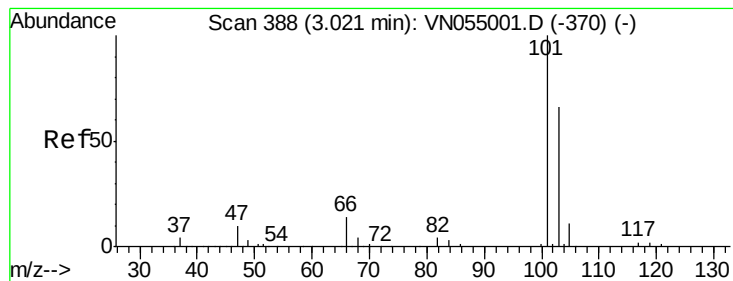
Tgt Ion: 64 Resp: 143909

Ion Ratio Lower Upper

64 100

66 31.0 26.6 40.0





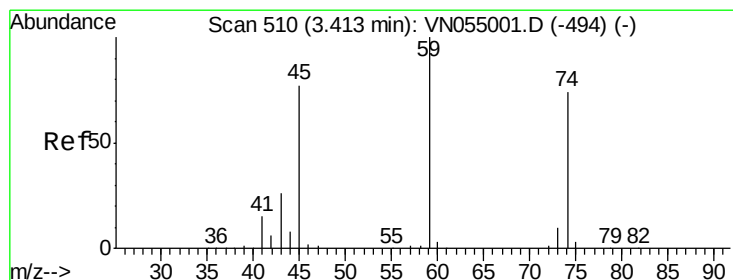
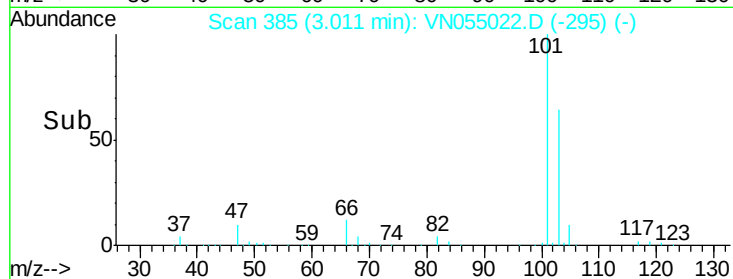
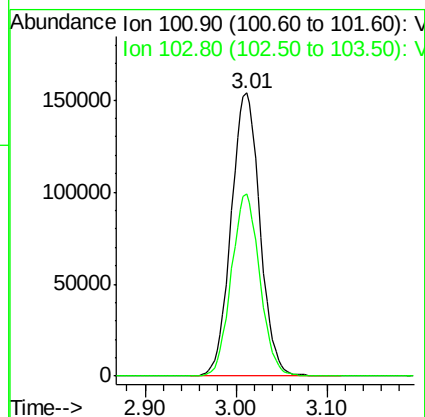
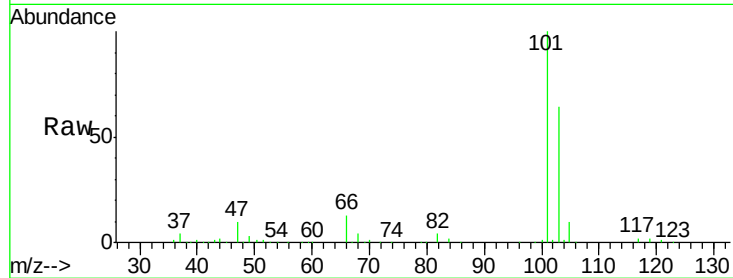
#7
 Trichlorofluoromethane
 Concen: 47.640 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 338146
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.5 78.7

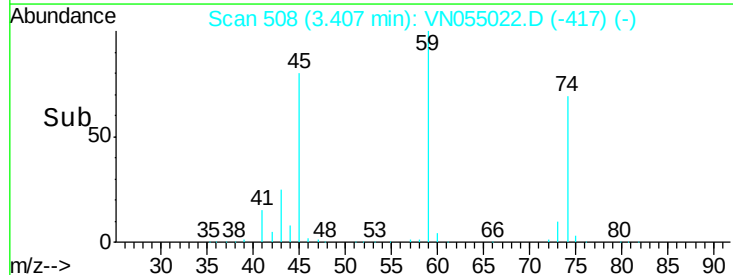
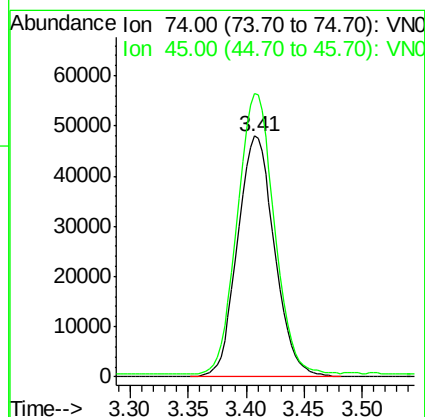
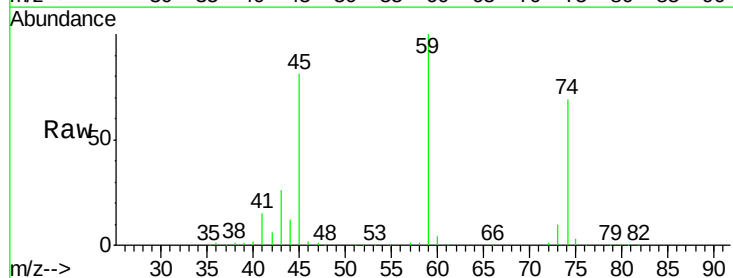
Manual Integrations
 APPROVED

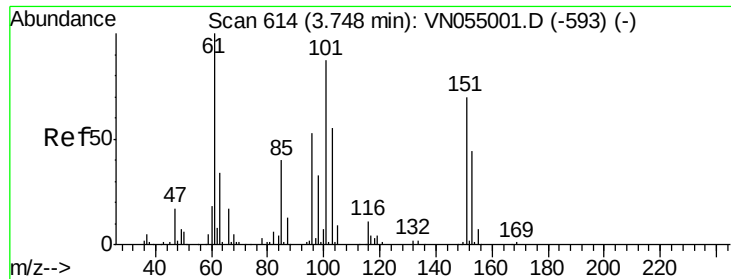
MMDadoda
 4/17/2019 10:04:06 AM



#8
 Diethyl Ether
 Concen: 47.748 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion: 74 Resp: 106586
 Ion Ratio Lower Upper
 74 100
 45 115.8 55.7 167.1





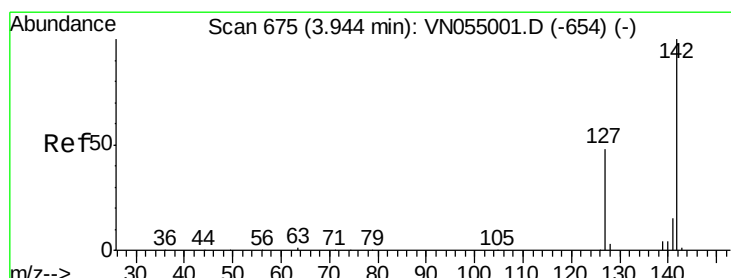
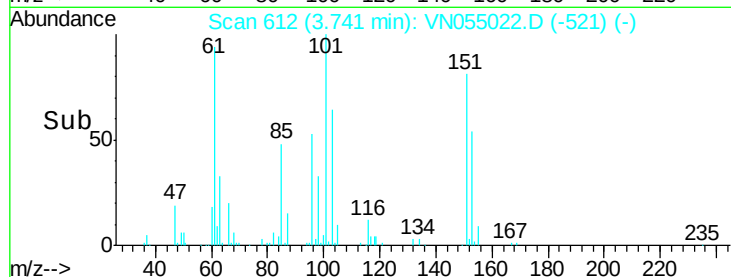
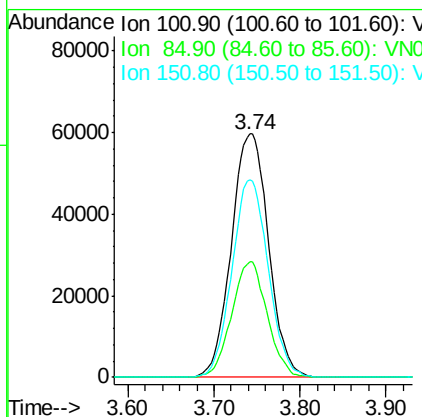
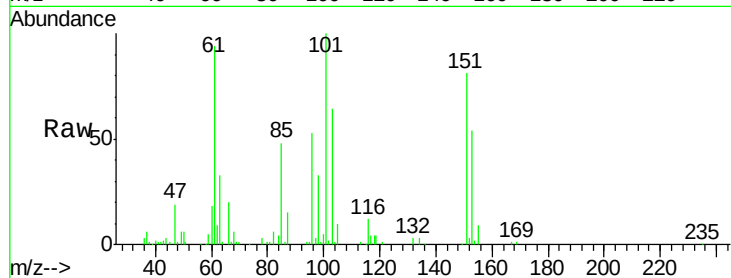
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.463 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	179416		
85	45.4	36.9	55.3	
151	79.2	64.4	96.6	

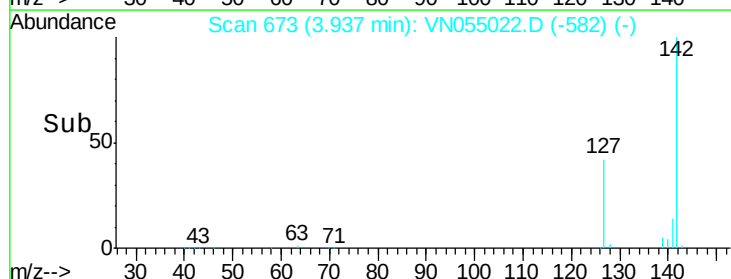
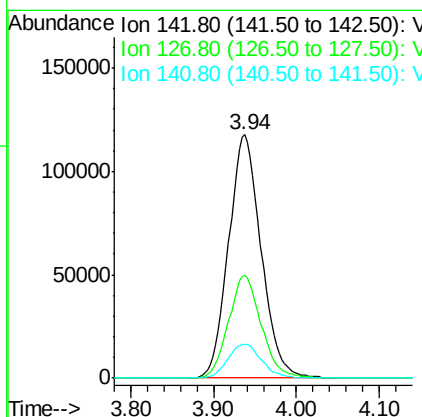
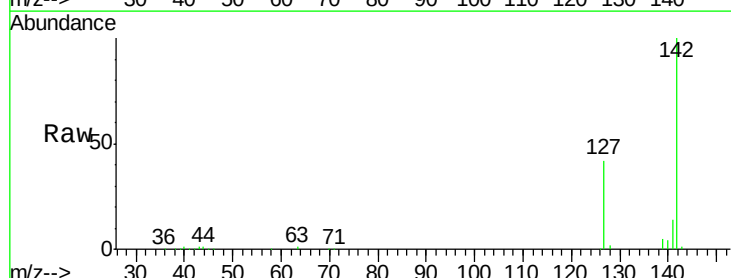
Manual Integrations
 APPROVED

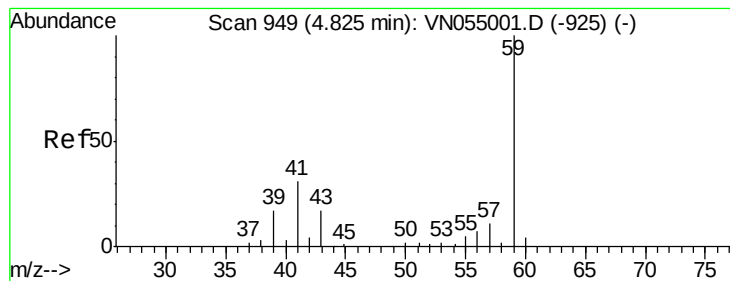
MMDadoda
 4/17/2019 10:04:06 AM



#10
 Methyl Iodide
 Concen: 60.316 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	322037		
127	42.4	37.9	56.9	
141	14.4	11.8	17.8	





#11

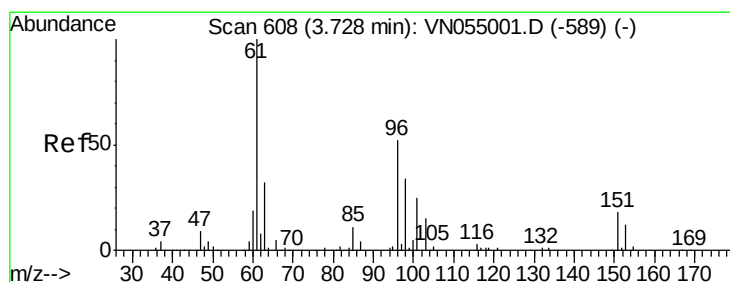
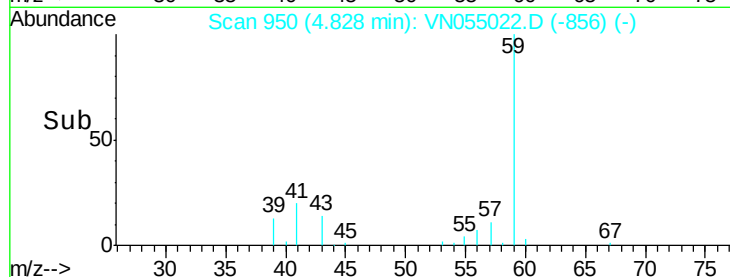
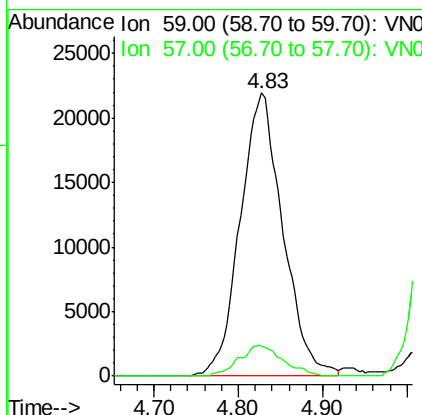
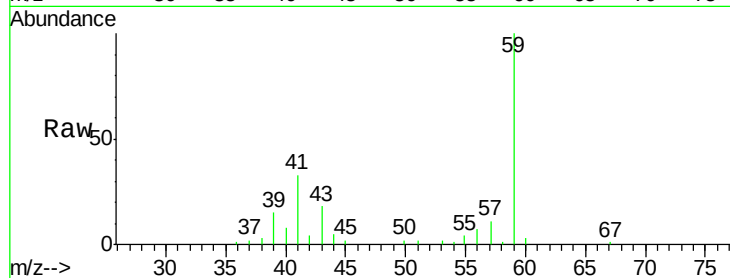
Tert butyl alcohol
 Concen: 211.496 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

Manual Integrations
 APPROVED

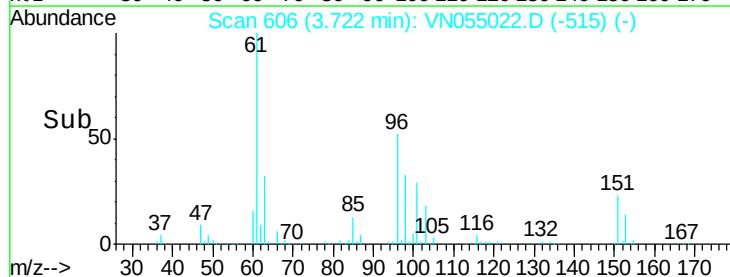
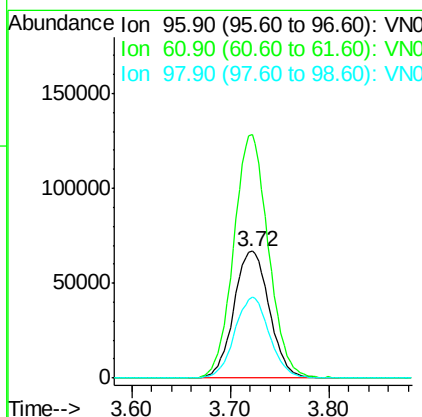
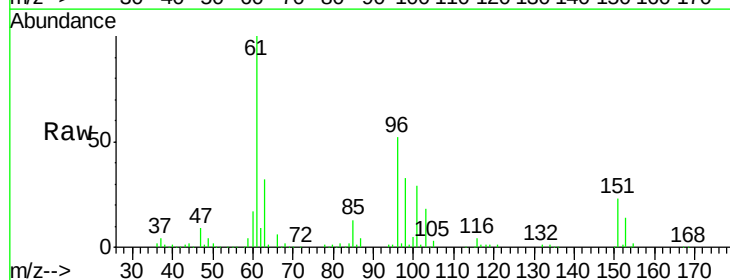
MMDadoda
 4/17/2019 10:04:06 AM

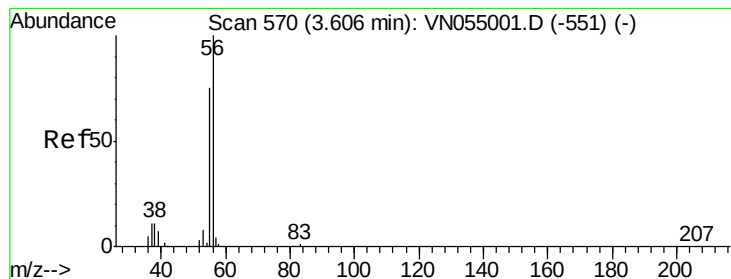


#12

1,1-Dichloroethene
 Concen: 45.954 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.7	154.2	231.4
98	64.2	52.9	79.3





#13

Acrolein

Concen: 234.435 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 103017

Ion Ratio Lower Upper

56 100

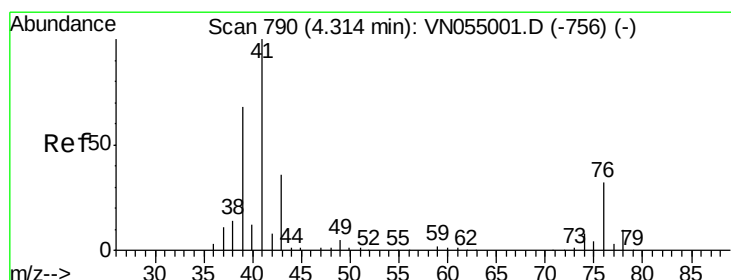
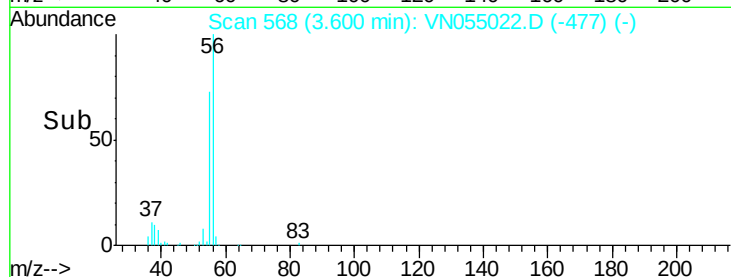
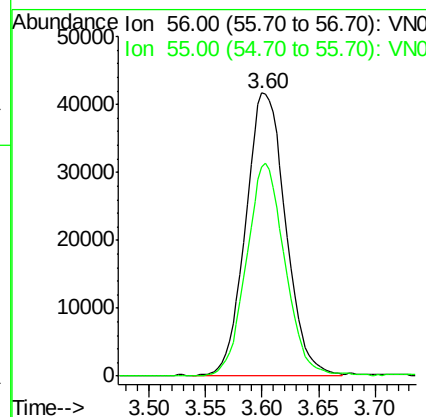
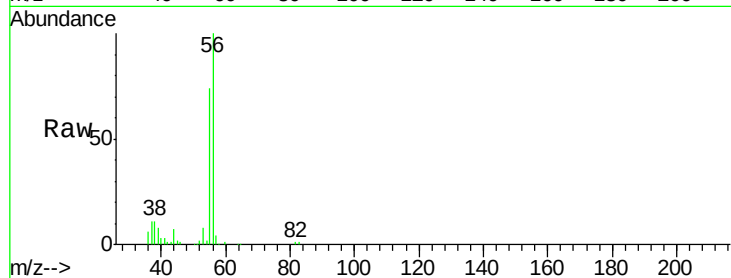
55 72.5 59.5 89.3

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#14

Allyl chloride

Concen: 48.149 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

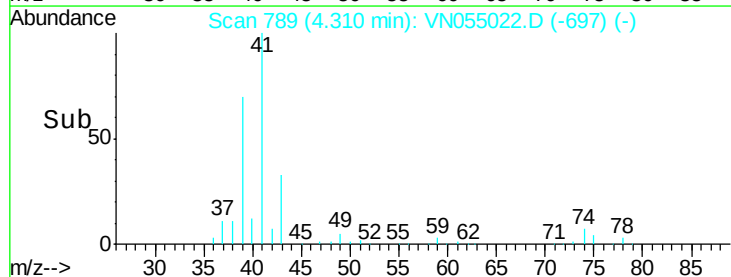
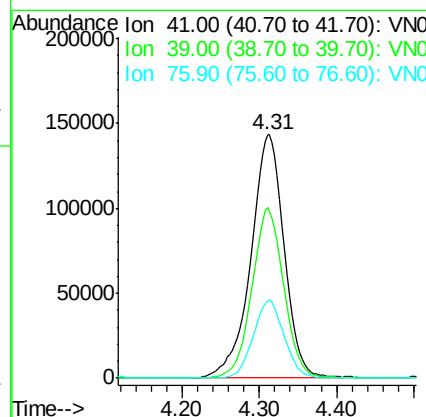
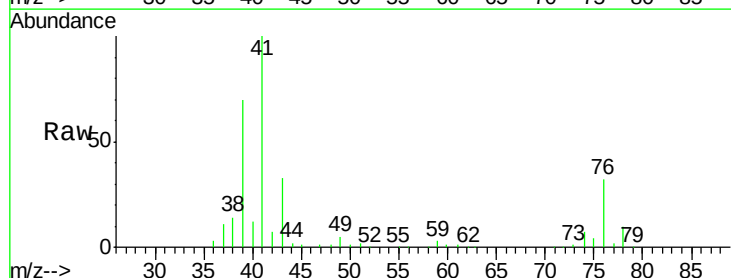
Tgt Ion: 41 Resp: 428804

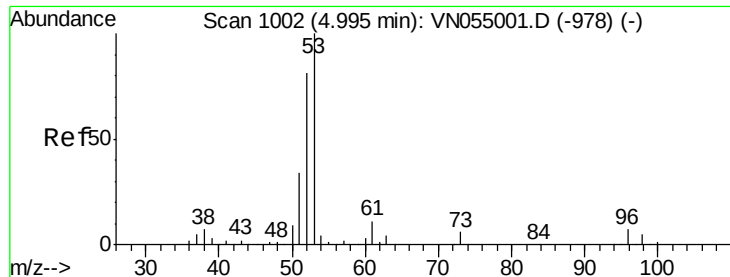
Ion Ratio Lower Upper

41 100

39 67.3 52.7 79.1

76 29.9 23.2 34.8





#15

Acrylonitrile

Concen: 245.640 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

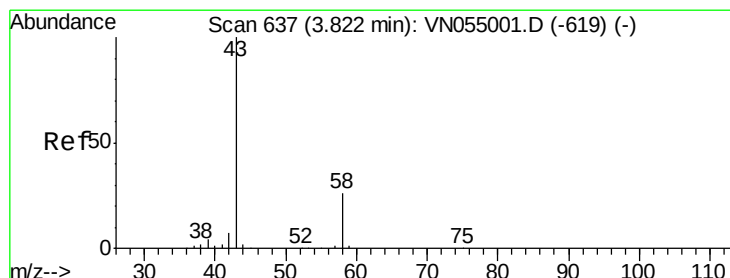
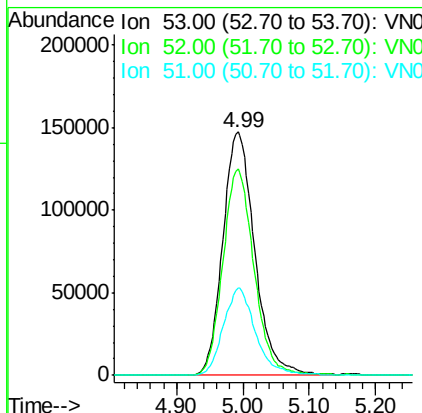
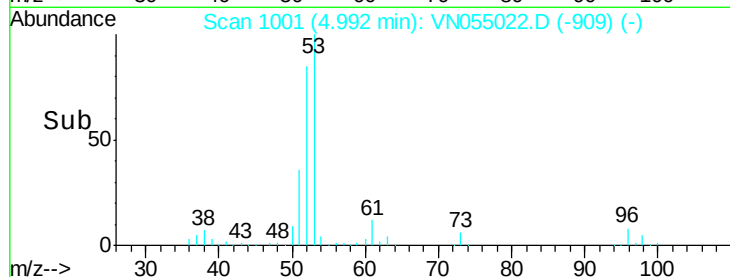
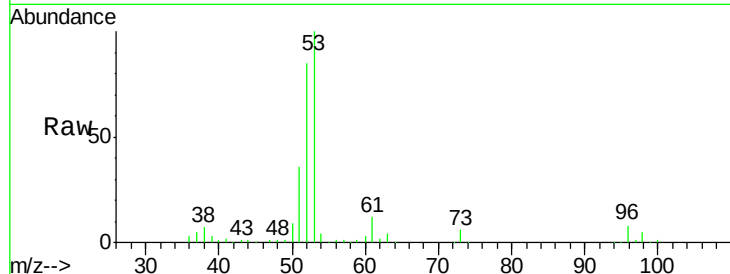
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	493230
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.9	98.9
51	36.0	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#16

Acetone

Concen: 289.213 ug/l

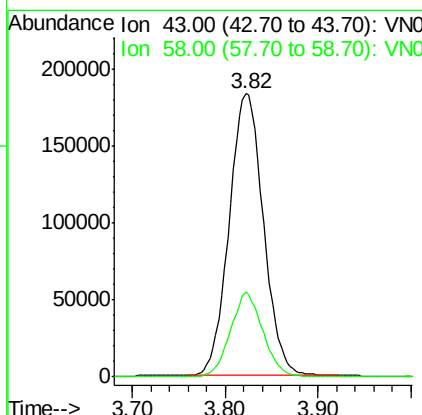
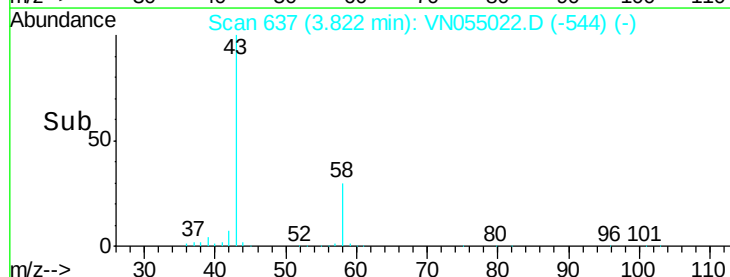
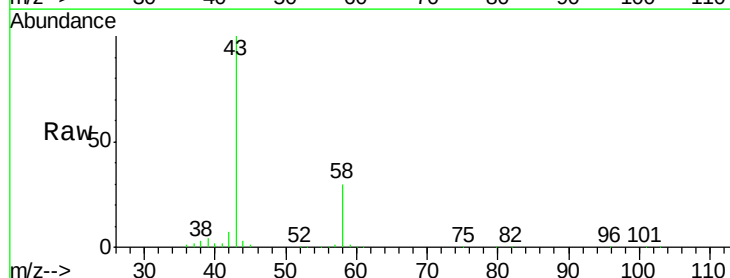
RT: 3.82 min Scan# 637

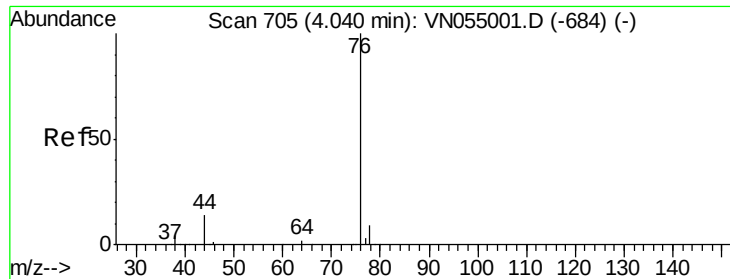
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	43	Resp:	470043
Ion Ratio	Lower	Upper	
43	100		
58	29.8	20.9	31.3





#17

Carbon Disulfide

Concen: 47.442 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 563226

Ion Ratio Lower Upper

76 100

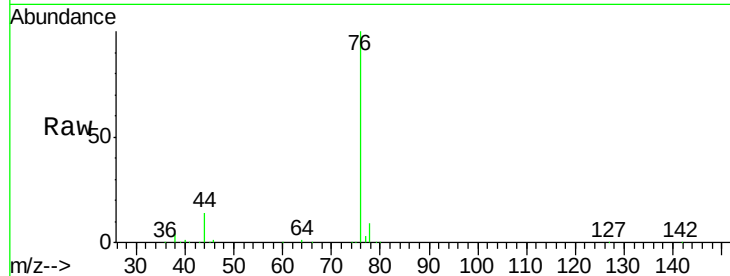
78 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-684) (-)

4.03

250000

200000

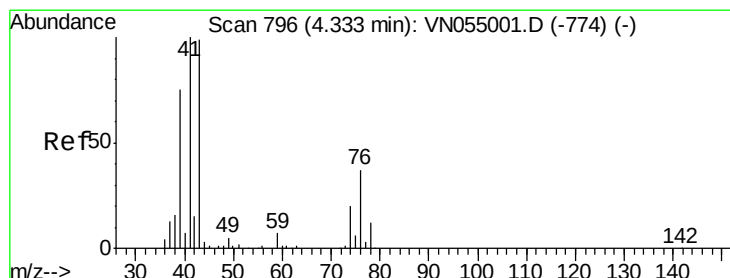
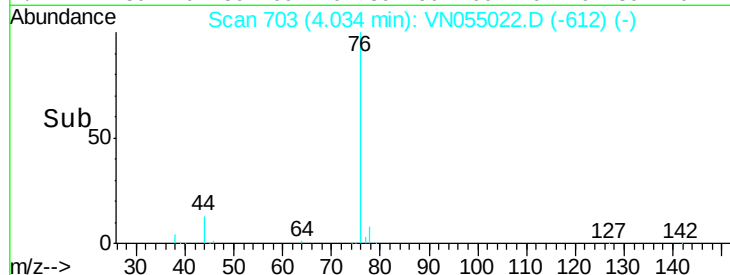
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.057 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055022.D

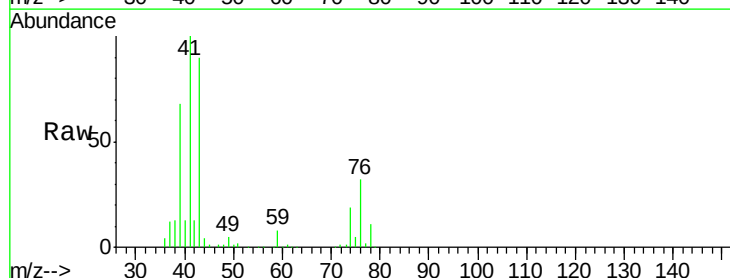
Acq: 13 Apr 2019 11:10

Tgt Ion: 43 Resp: 226996

Ion Ratio Lower Upper

43 100

74 21.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN055001.D (-774) (-)

4.33

80000

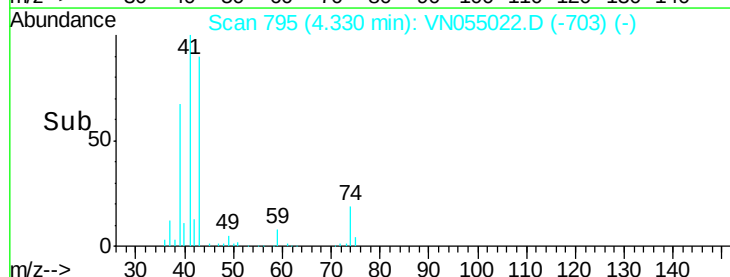
60000

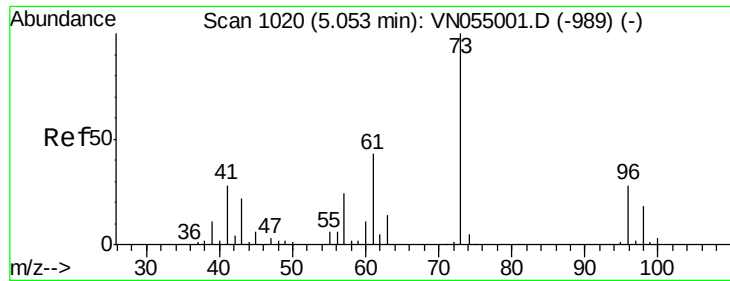
40000

20000

0

Time-->





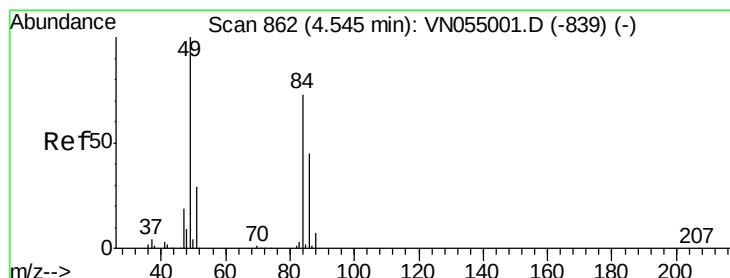
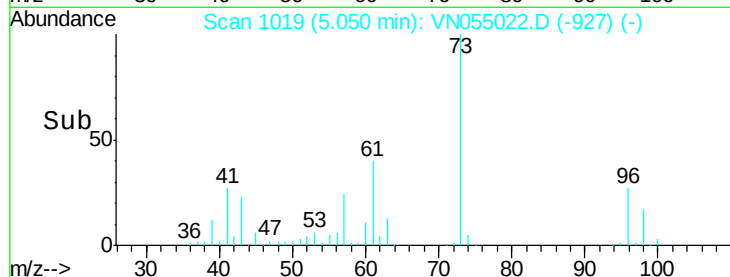
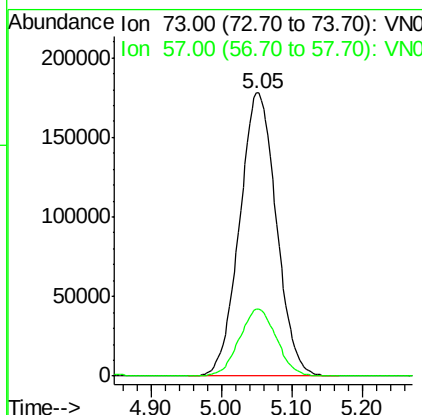
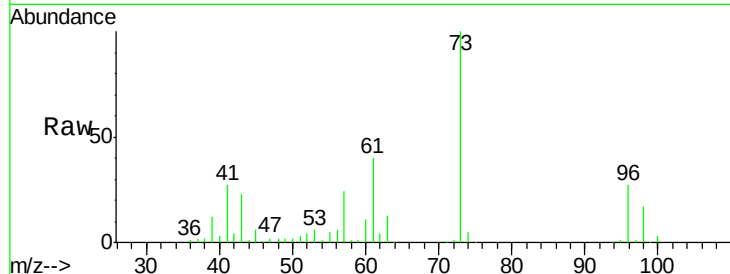
#19
Methyl tert-butyl Ether
Concen: 49.677 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 646943
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.4

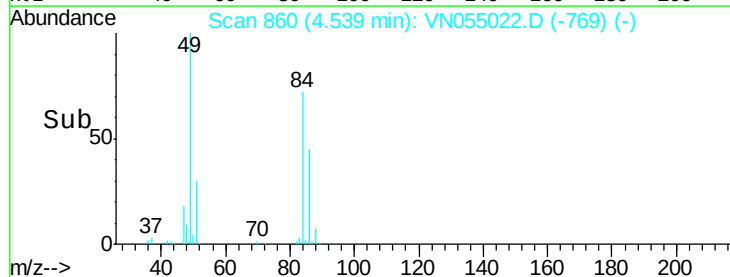
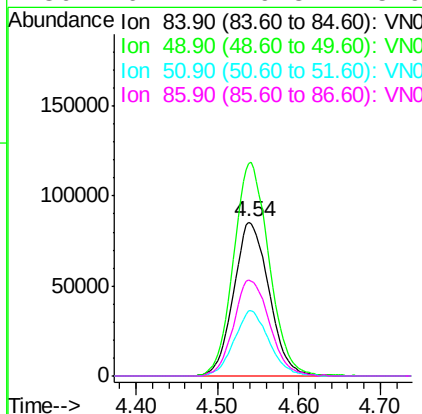
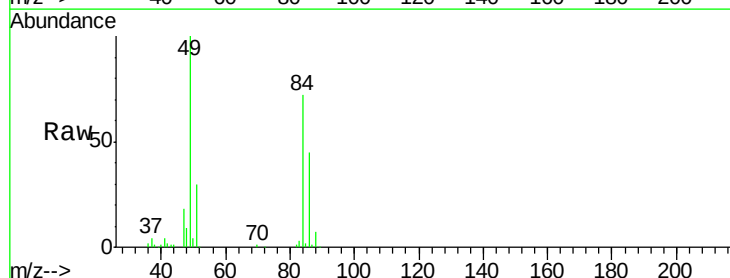
Manual Integrations
APPROVED

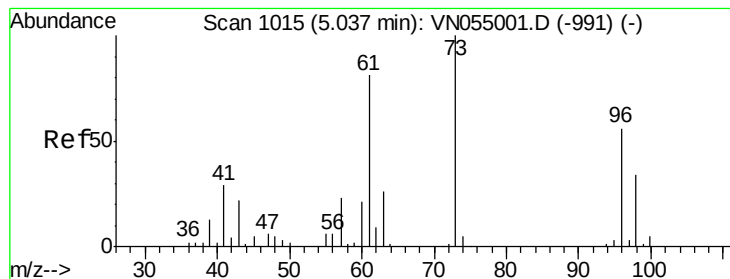
MMDadoda
4/17/2019 10:04:06 AM



#20
Methylene Chloride
Concen: 48.777 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion: 84 Resp: 257501
Ion Ratio Lower Upper
84 100
49 138.3 109.4 164.2
51 42.1 32.2 48.4
86 62.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 48.020 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 230578

Ion Ratio Lower Upper

96 100

61 146.5 114.9 172.3

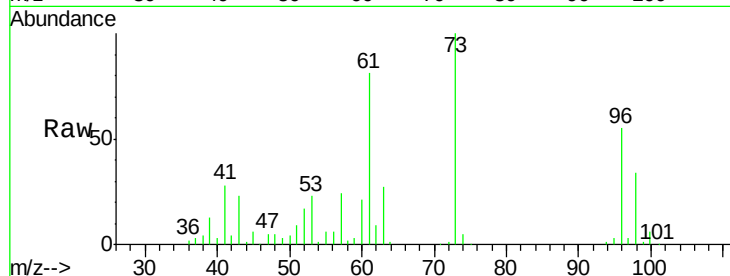
98 61.7 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM

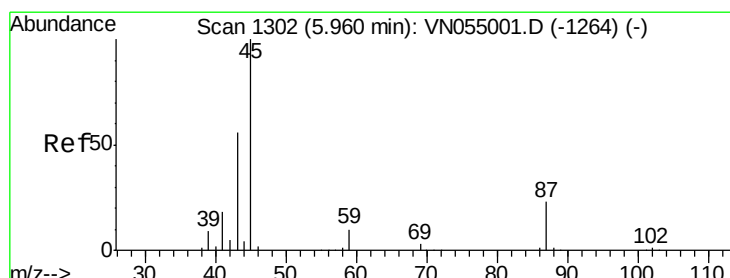
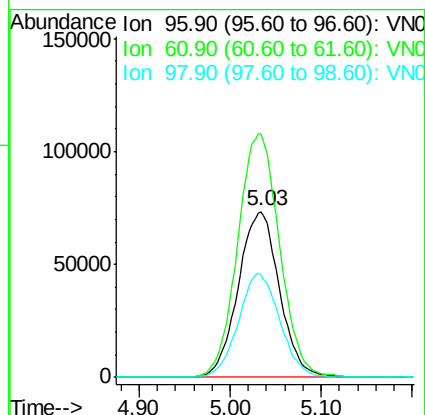
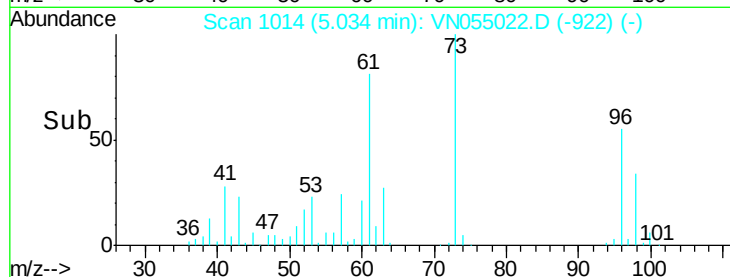


Abundance Ion 95.90 (95.60 to 96.60): VN055001.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN055001.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-991) (-)

Time-->



#22

Diisopropyl ether

Concen: 49.756 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion: 45 Resp: 898451

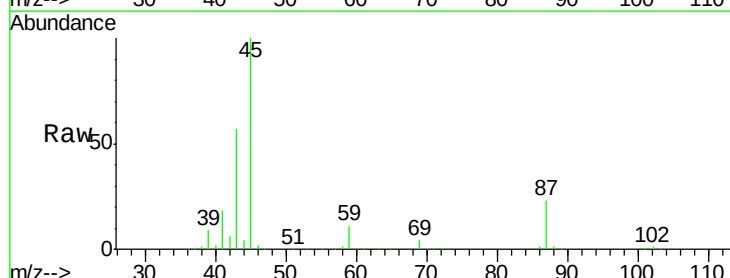
Ion Ratio Lower Upper

45 100

43 56.7 44.8 67.2

87 22.7 18.9 28.3

59 10.8 7.9 11.9



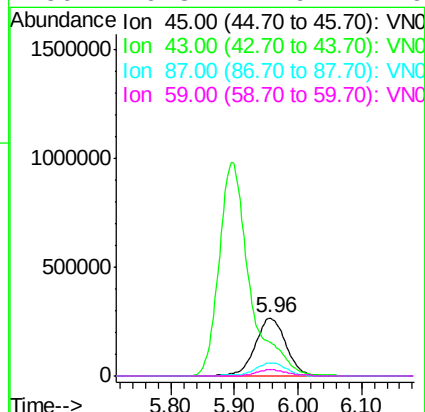
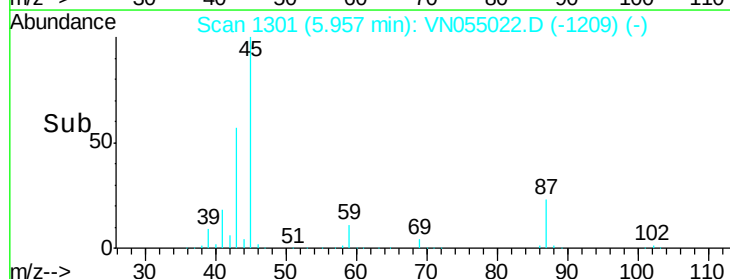
Abundance Ion 45.00 (44.70 to 45.70): VN055001.D (-1264) (-)

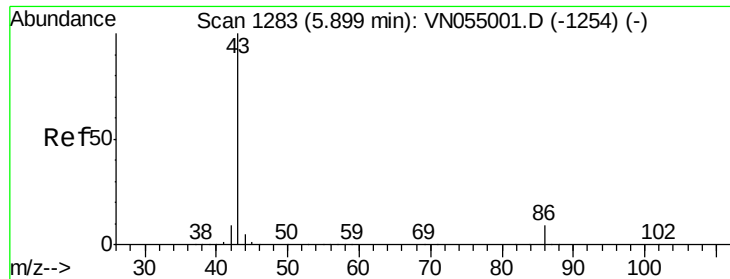
Ion 43.00 (42.70 to 43.70): VN055001.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055001.D (-1264) (-)

Time-->





#23

Vinyl Acetate

Concen: 260.750 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3293127

Ion Ratio Lower Upper

43 100

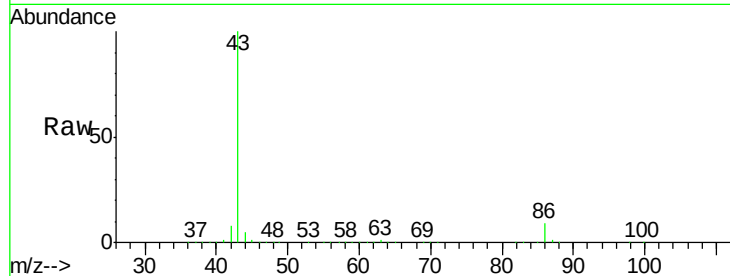
86 8.6 7.0 10.4

Manual Integrations

APPROVED

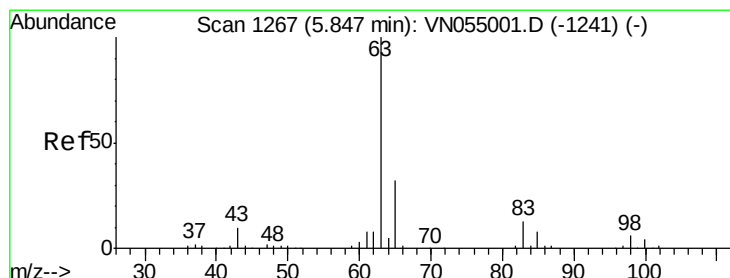
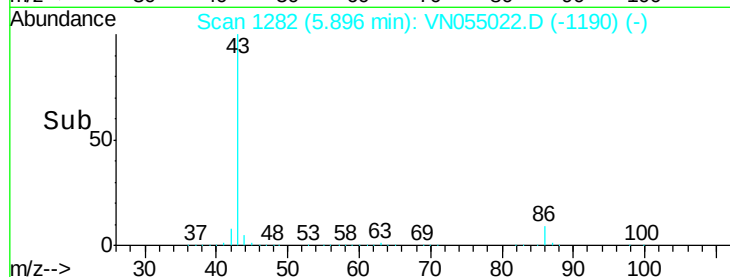
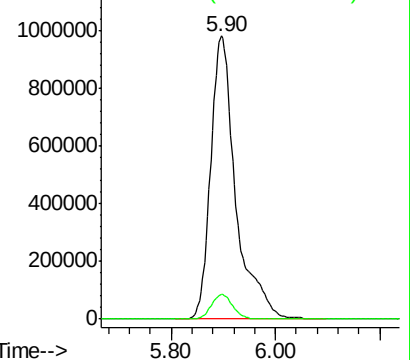
MMDadoda

4/17/2019 10:04:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.329 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

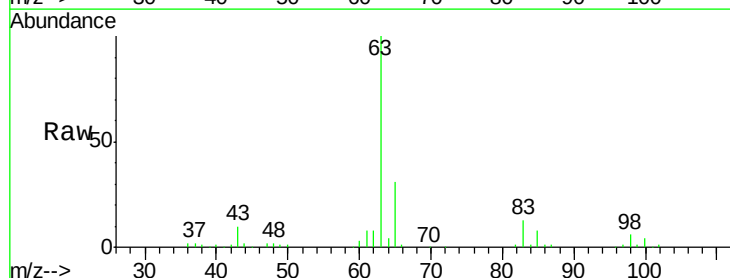
Tgt Ion: 63 Resp: 461565

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

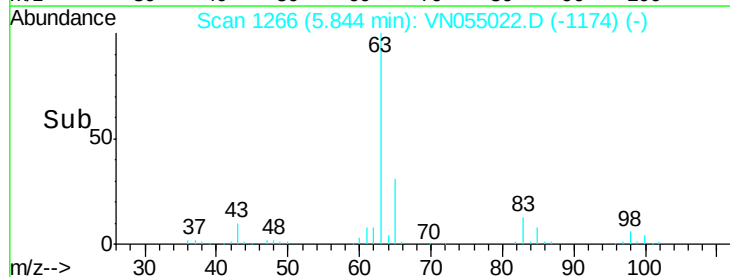
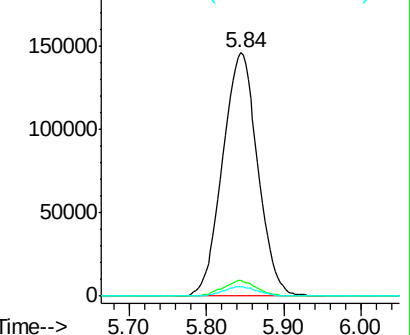
100 3.8 2.0 5.8

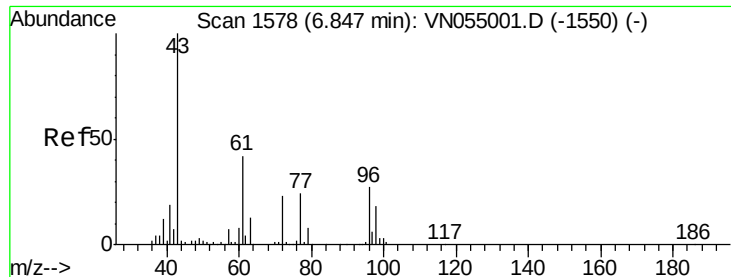


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 268.359 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 671737

Ion Ratio Lower Upper

43 100

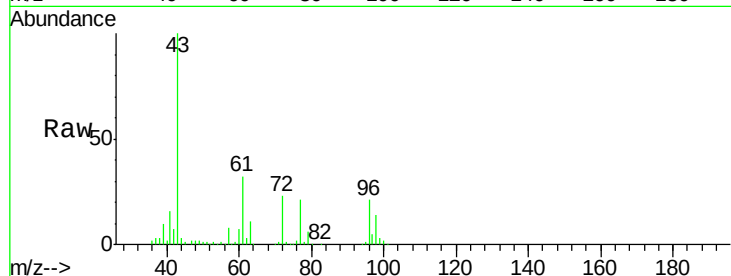
72 22.6 18.1 27.1

Manual Integrations

APPROVED

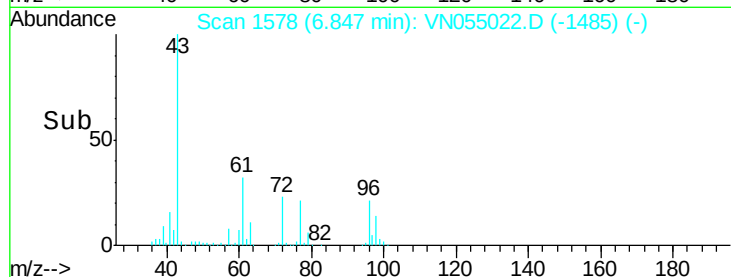
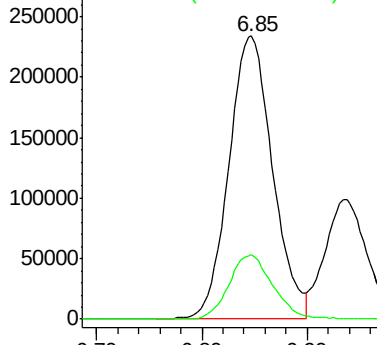
MMDadoda

4/17/2019 10:04:06 AM

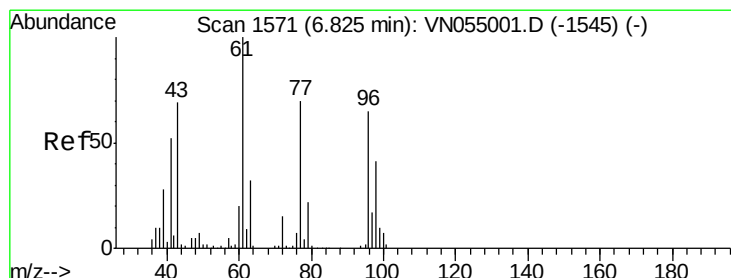


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 50.063 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055022.D

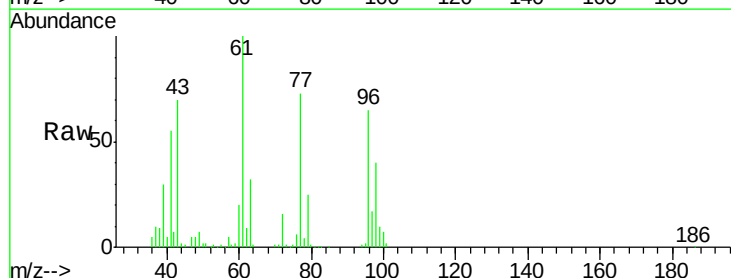
Acq: 13 Apr 2019 11:10

Tgt Ion: 77 Resp: 323007

Ion Ratio Lower Upper

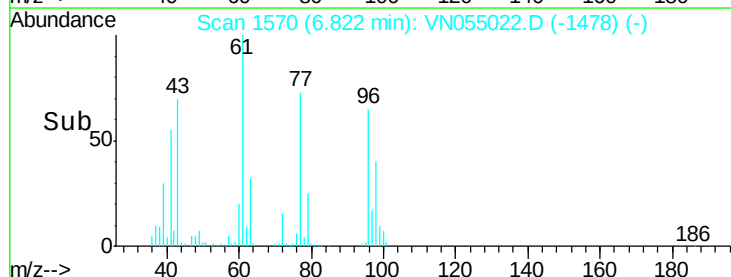
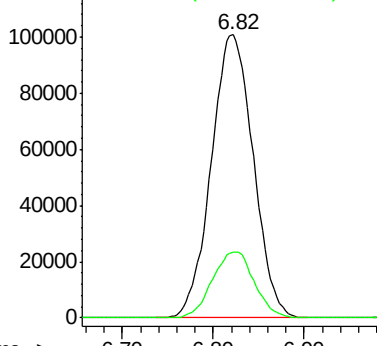
77 100

97 23.3 11.3 33.9

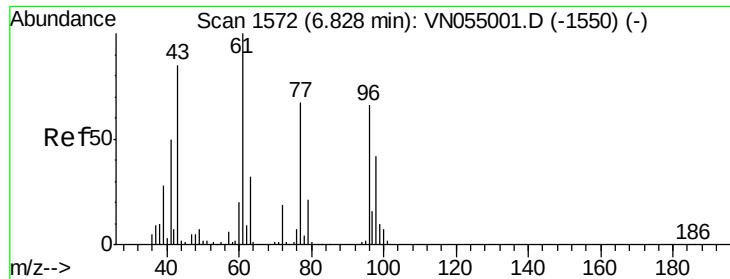


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 47.950 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

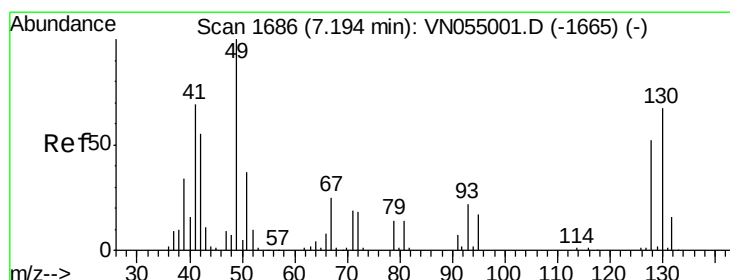
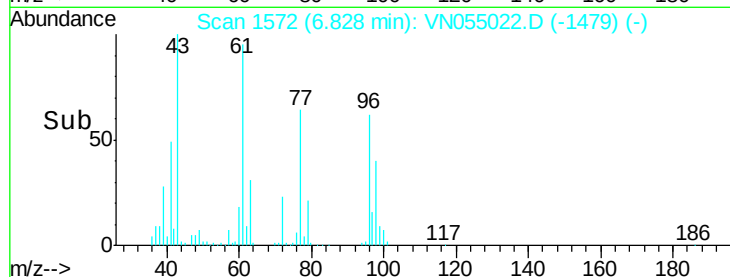
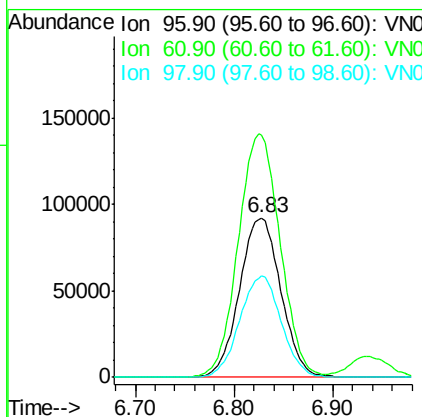
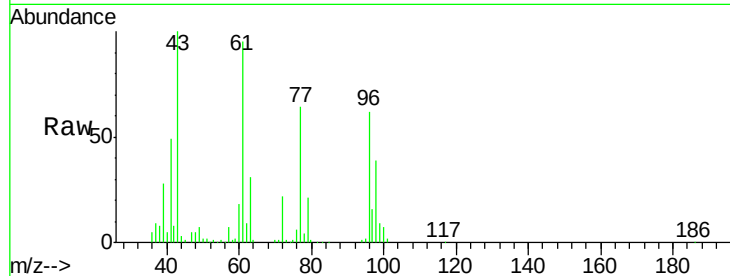
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	267473
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	311.0
98	64.1	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#28

Bromochloromethane

Concen: 48.704 ug/l

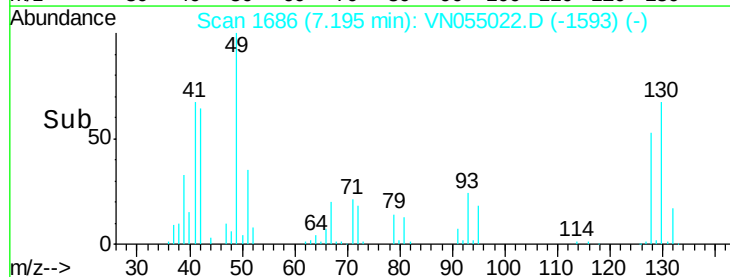
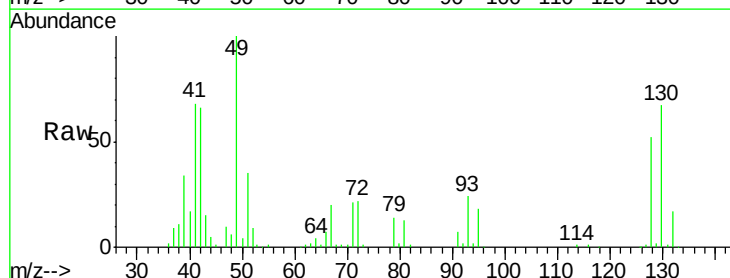
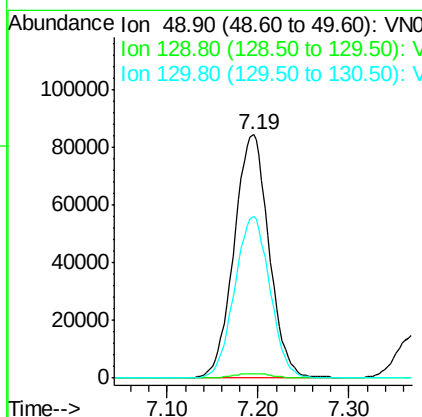
RT: 7.19 min Scan# 1686

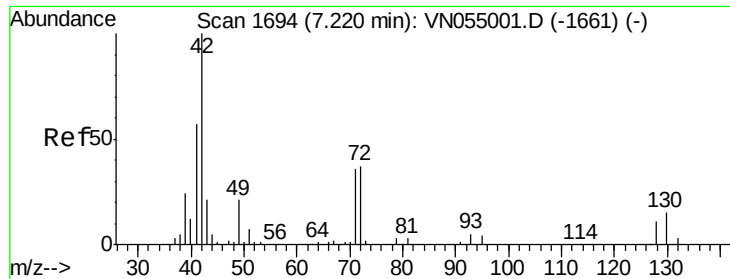
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	49	Resp:	225357
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	67.0	53.4	80.2





#29

Tetrahydrofuran

Concen: 247.100 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

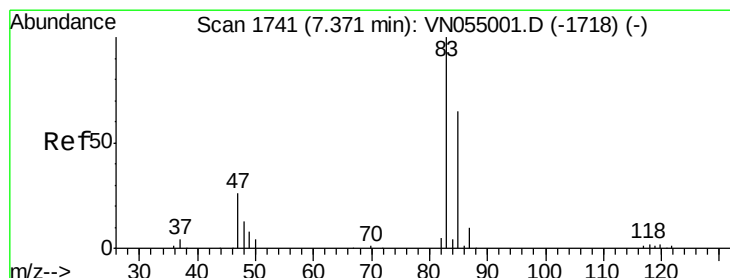
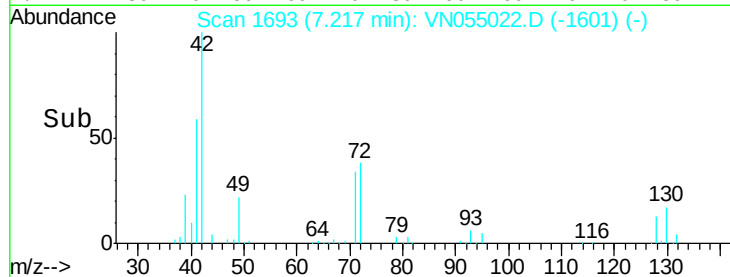
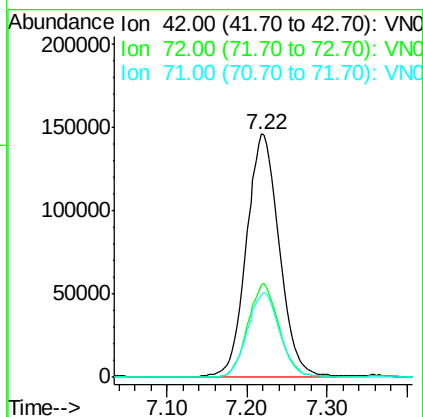
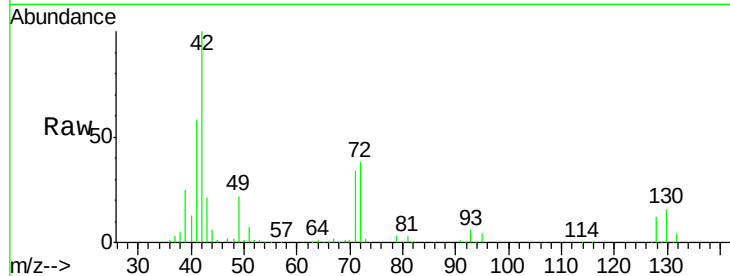
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	405467
Ion Ratio		Lower	Upper
42	100		
72	37.3	29.4	44.0
71	34.5	27.8	41.6

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#30

Chloroform

Concen: 47.403 ug/l

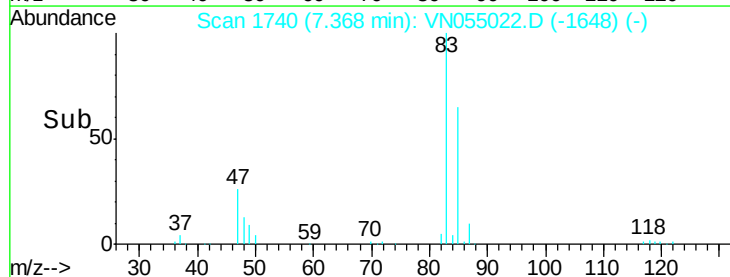
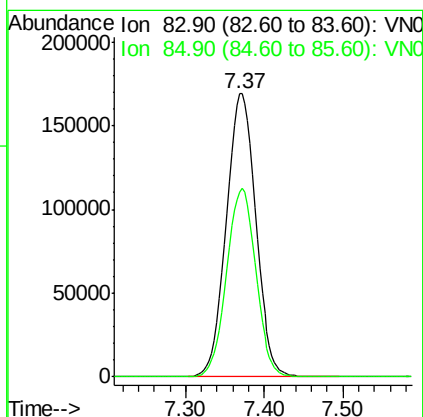
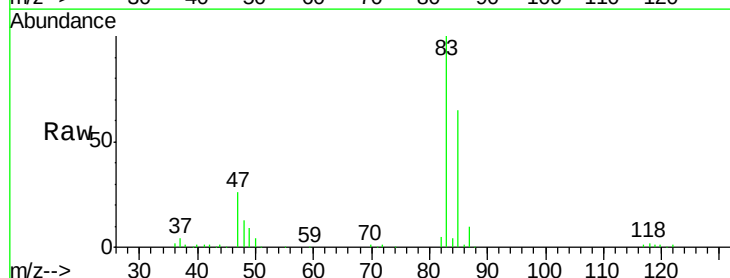
RT: 7.37 min Scan# 1740

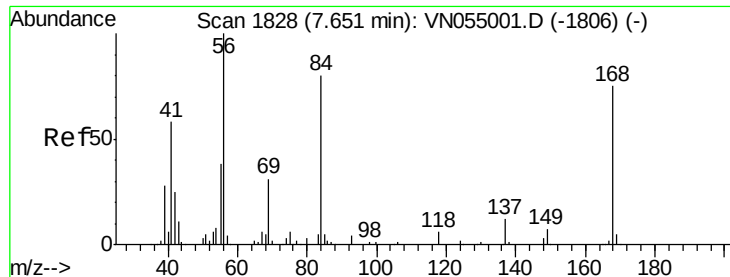
Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	83	Resp:	440834
Ion Ratio		Lower	Upper
83	100		
85	65.3	51.8	77.6





#31

Cyclohexane

Concen: 48.802 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 440193

Ion Ratio Lower Upper

56 100

69 31.6 24.5 36.7

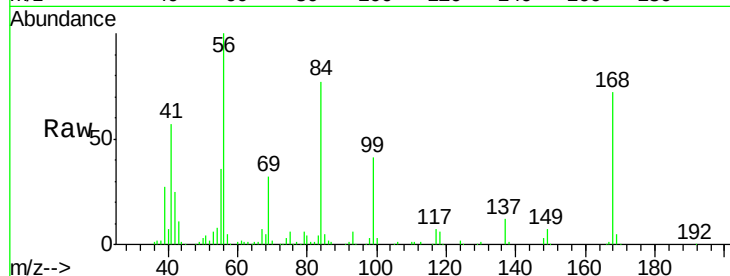
84 75.7 62.9 94.3

Manual Integrations

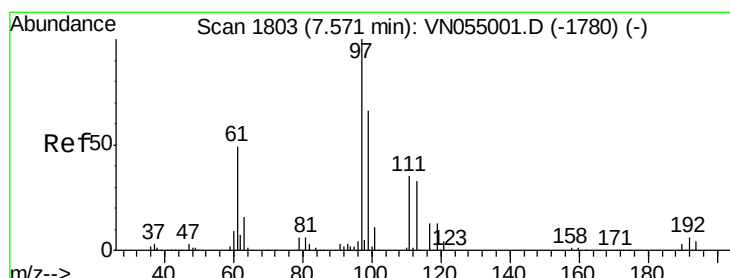
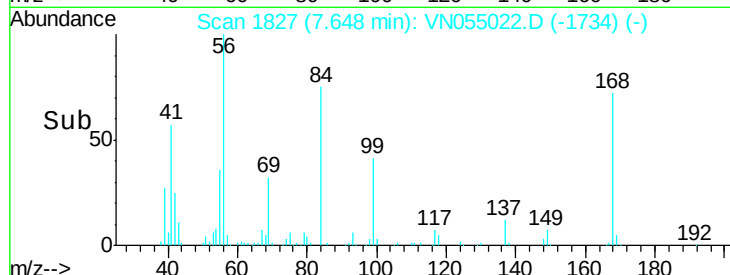
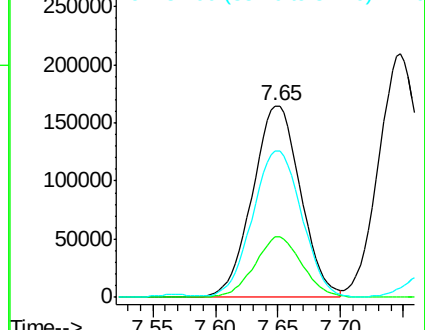
APPROVED

MMDadoda

4/17/2019 10:04:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.942 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

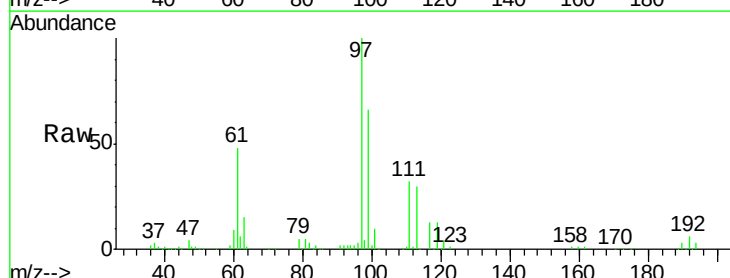
Tgt Ion: 97 Resp: 362591

Ion Ratio Lower Upper

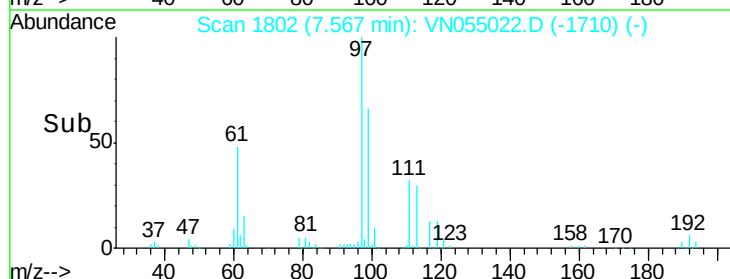
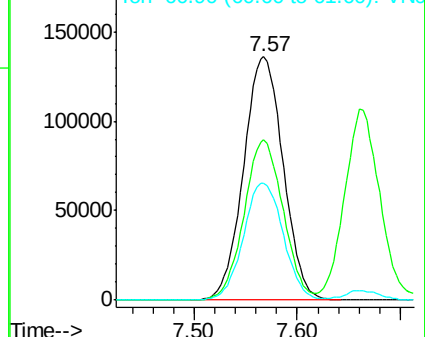
97 100

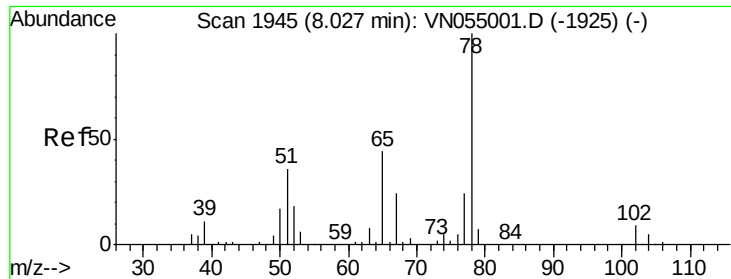
99 64.8 51.6 77.4

61 48.4 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 49.566 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tot Ion: 65 Resp: 293240

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.4

Instrument :

MSVOA_N

ClientSampled :

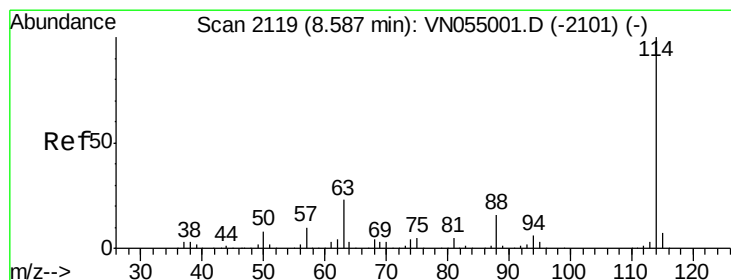
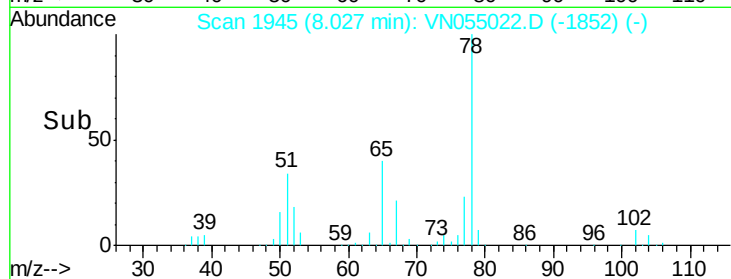
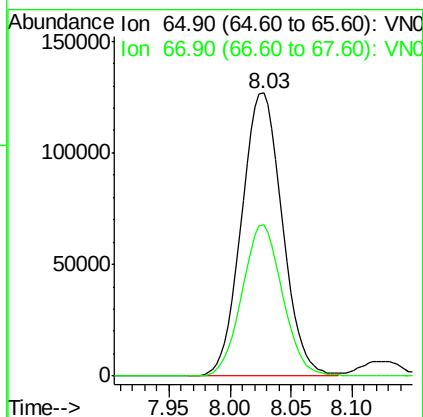
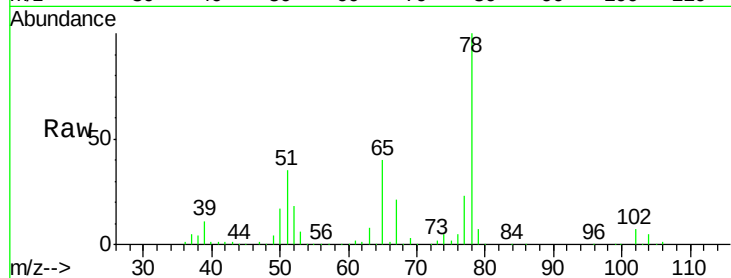
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

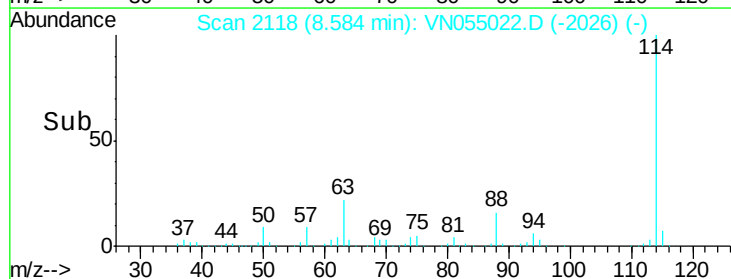
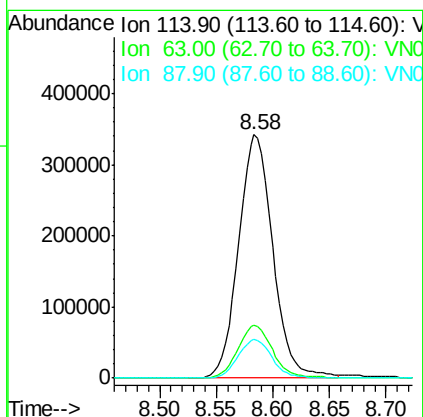
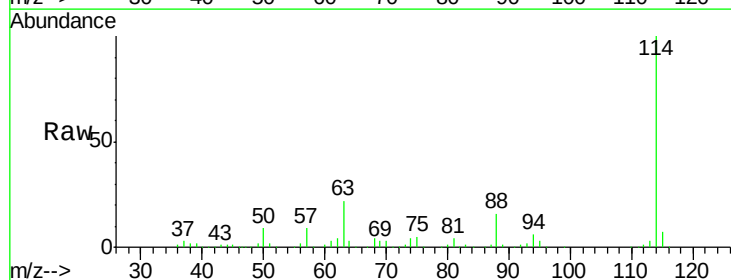
Tgt Ion: 114 Resp: 724832

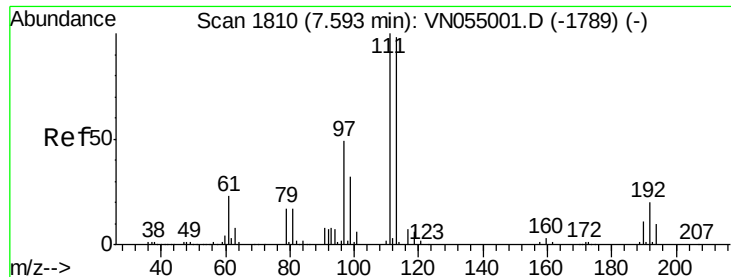
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

88 16.0 0.0 31.8





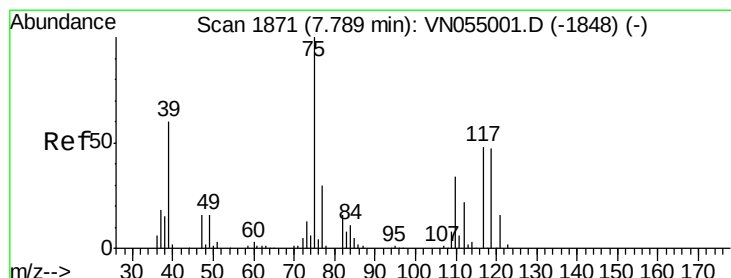
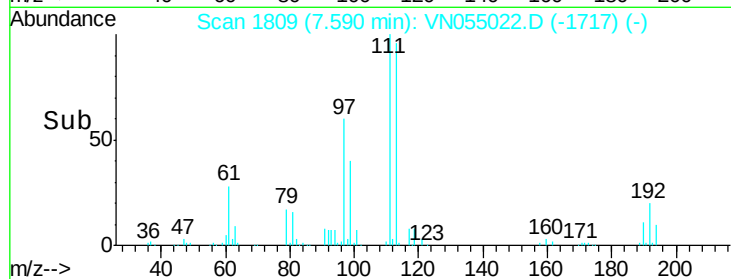
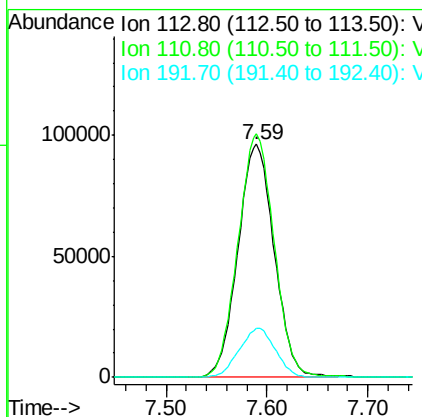
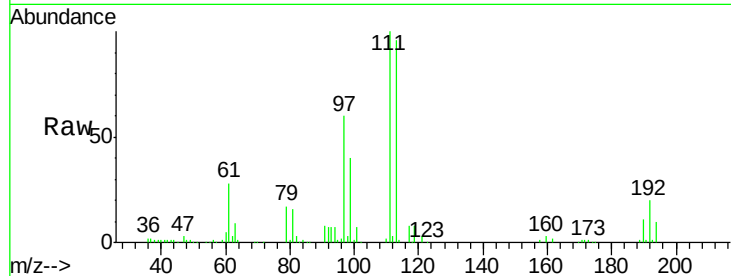
#35
Dibromofluoromethane
Concen: 51.968 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240122		
111	103.6	82.1	123.1	
192	21.0	16.5	24.7	

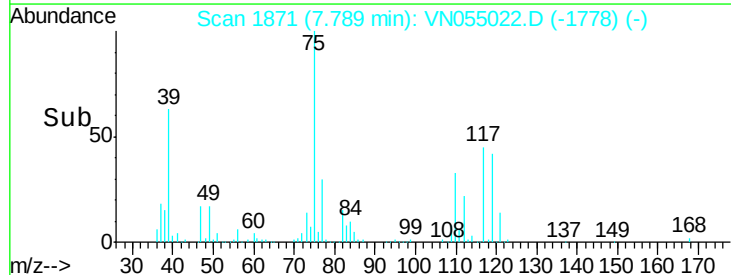
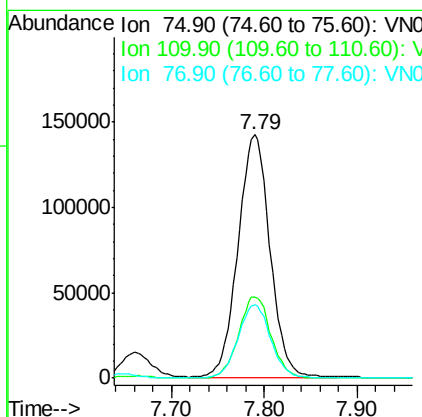
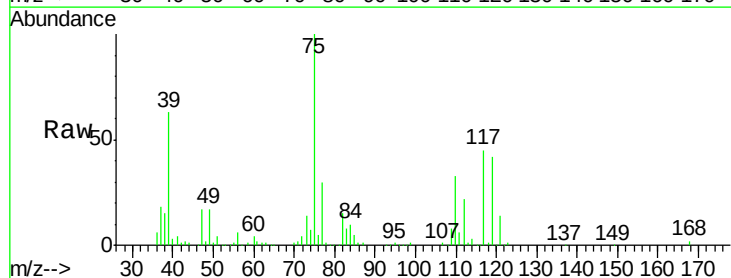
Manual Integrations
APPROVED

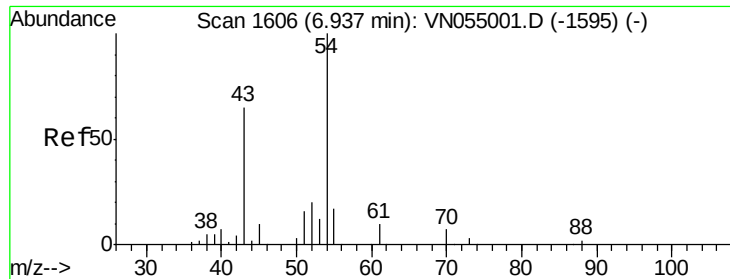
MMDadoda
4/17/2019 10:04:06 AM



#36
1,1-Dichloropropene
Concen: 50.562 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338711		
110	33.8	17.5	52.5	
77	31.3	24.9	37.3	





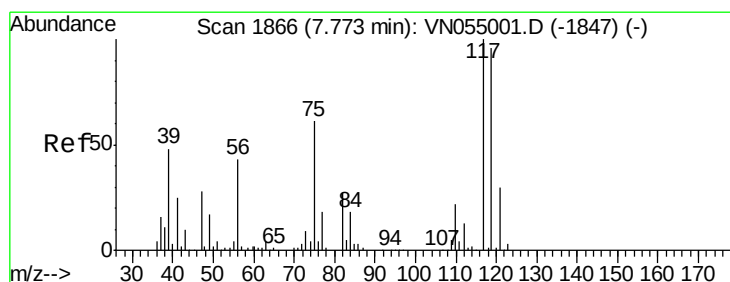
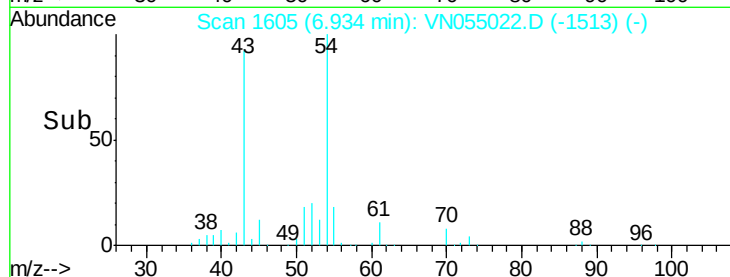
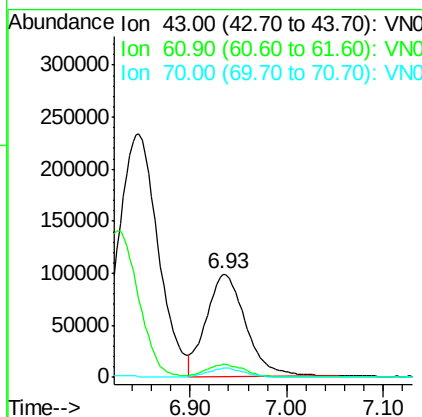
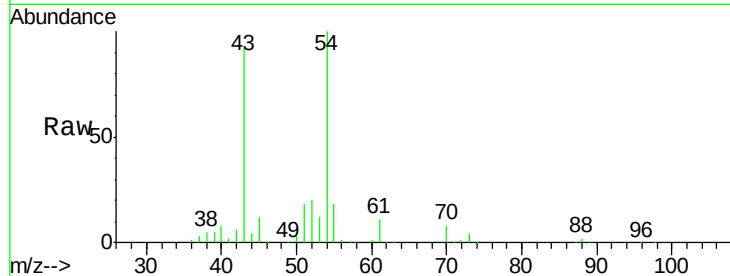
#37
Ethyl Acetate
Concen: 55.696 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	8.5	7.1	10.7

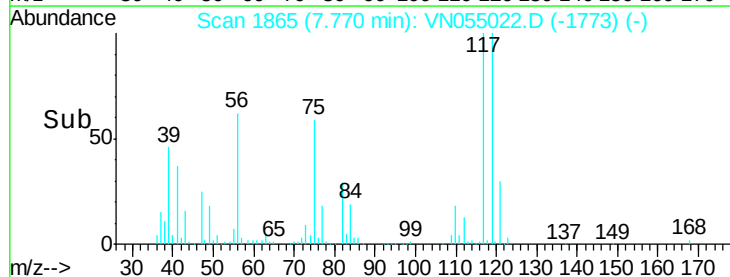
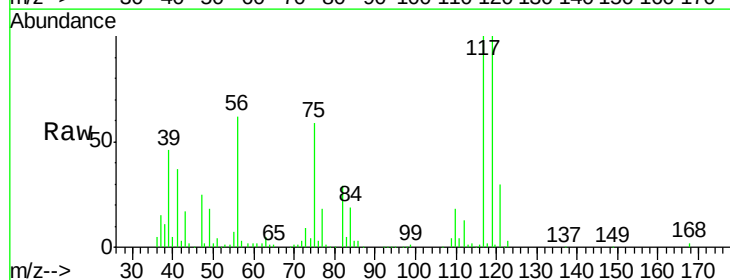
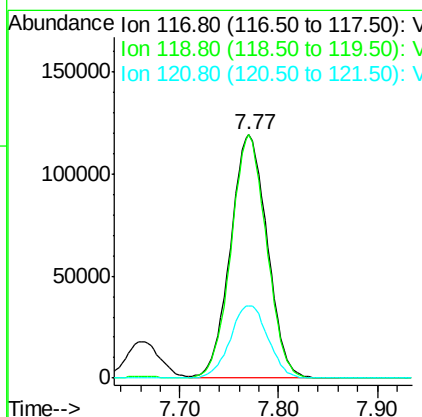
Manual Integrations
APPROVED

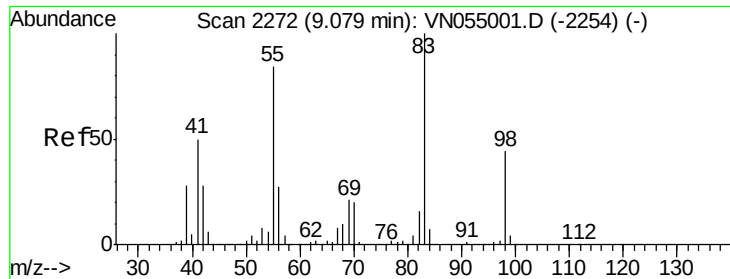
MMDadoda
4/17/2019 10:04:06 AM



#38
Carbon Tetrachloride
Concen: 49.005 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.3	114.5
121	29.8	23.9	35.9





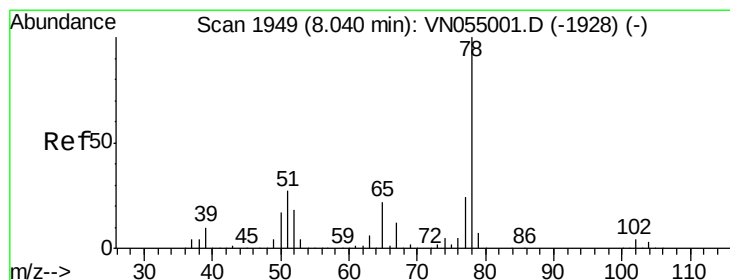
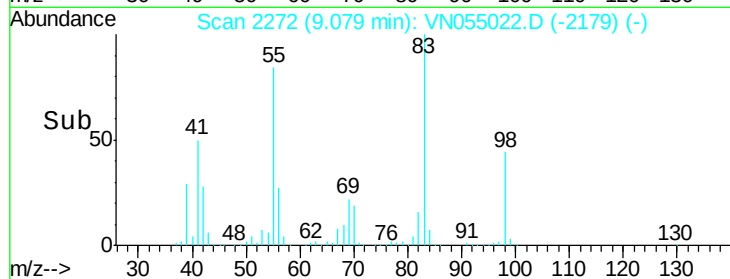
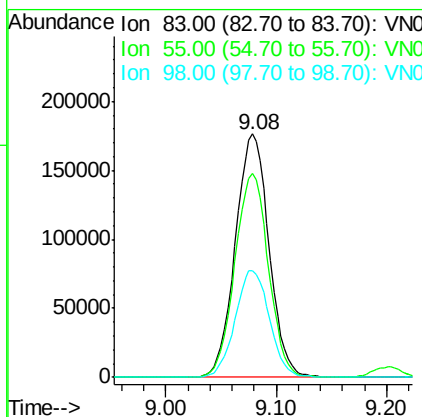
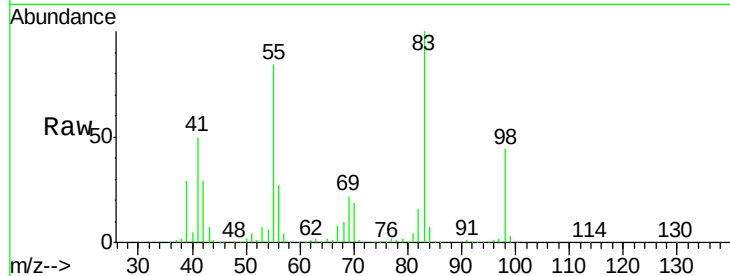
#39
Methylvlcyclohexane
Concen: 48.564 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.0	100.4
98	43.6	35.6	53.4

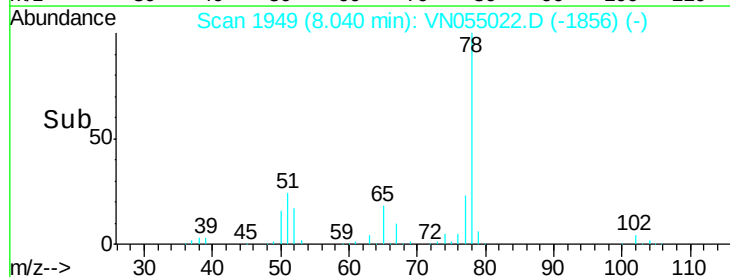
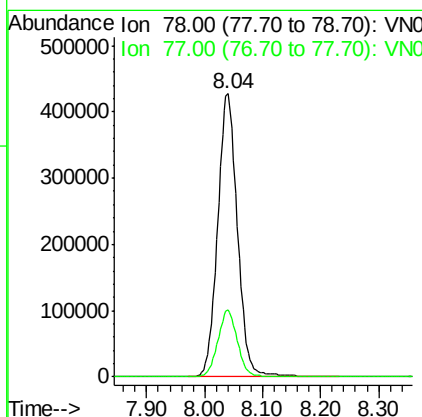
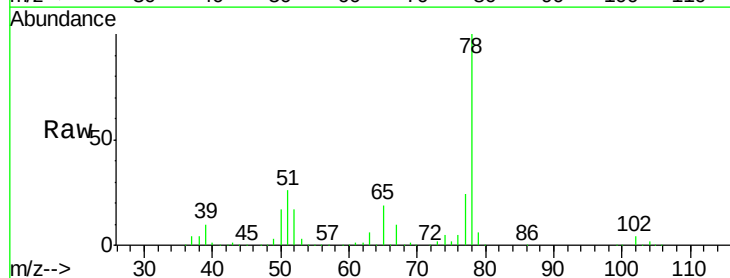
Manual Integrations
APPROVED

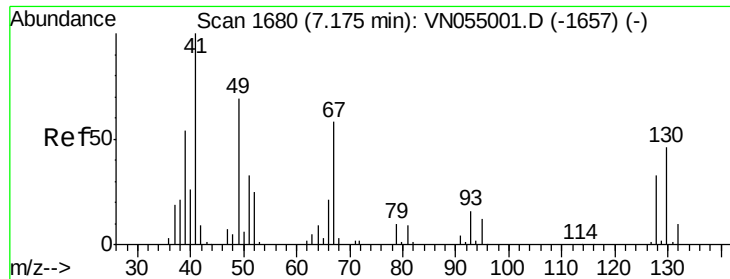
MMDadoda
4/17/2019 10:04:06 AM



#40
Benzene
Concen: 50.042 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





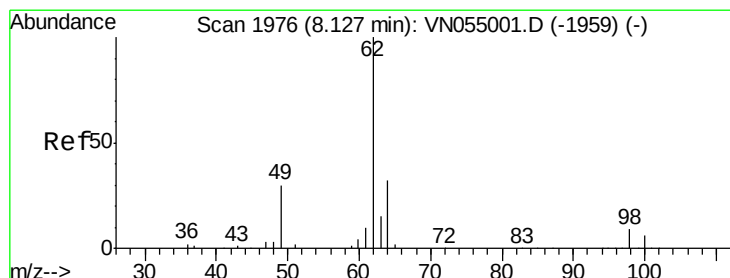
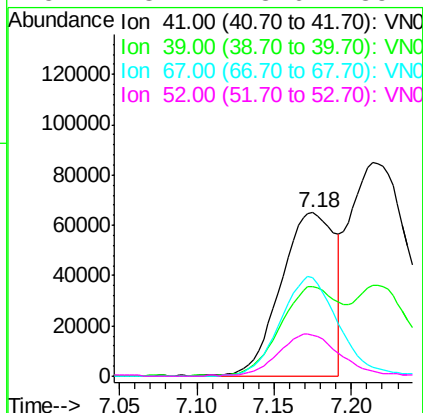
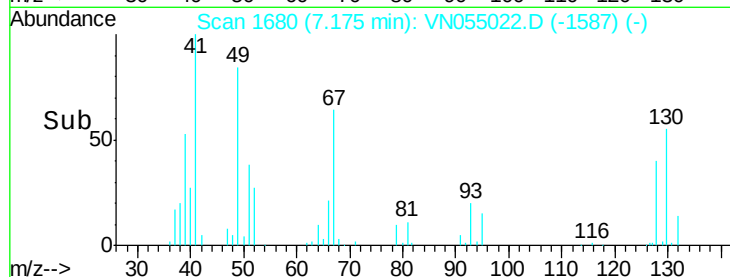
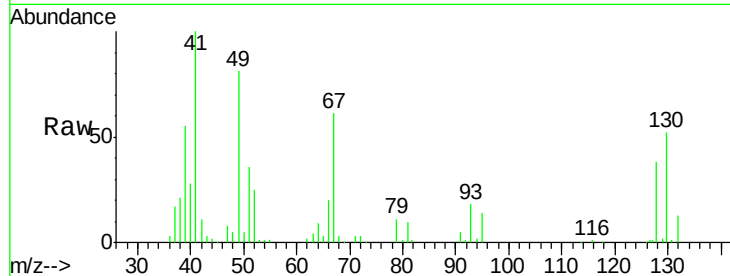
#41
Methacrylonitrile
Concen: 51.041 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.8	45.6	68.4	
67	66.1	57.0	85.6	
52	28.7	23.6	35.4	

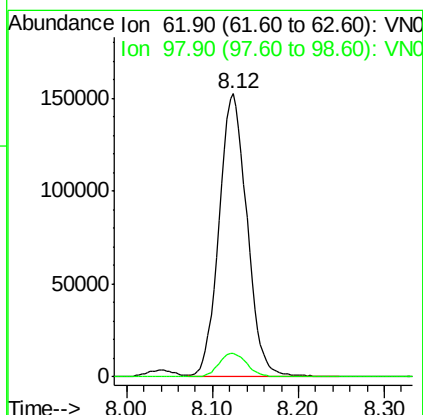
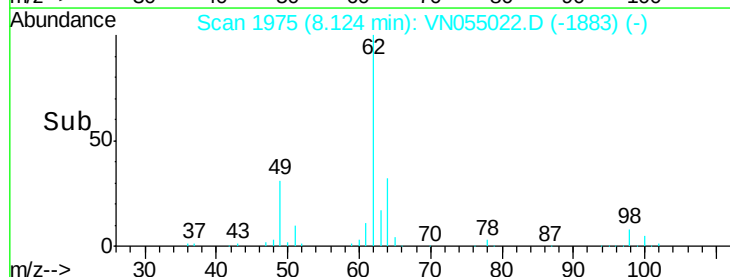
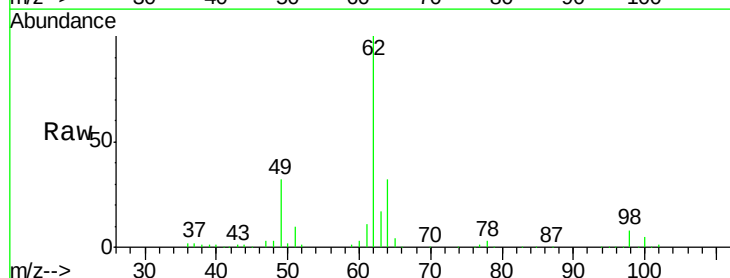
Manual Integrations
APPROVED

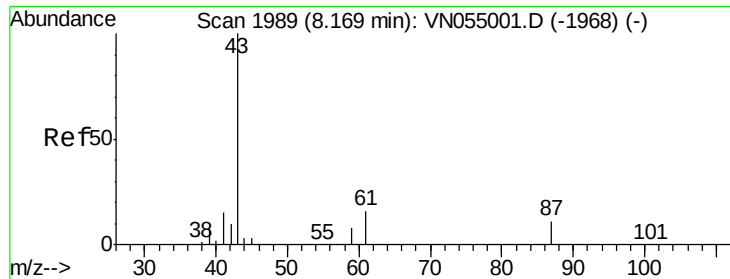
MMDadoda
4/17/2019 10:04:06 AM



#42
1,2-Dichloroethane
Concen: 48.263 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.4	





#43

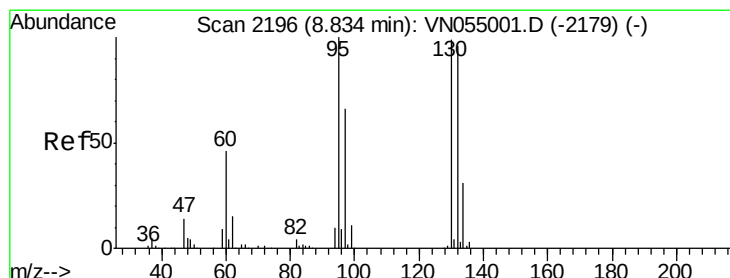
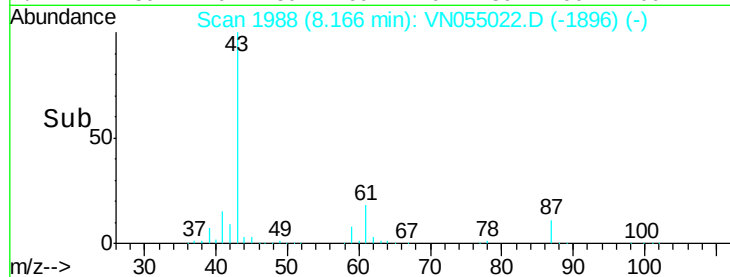
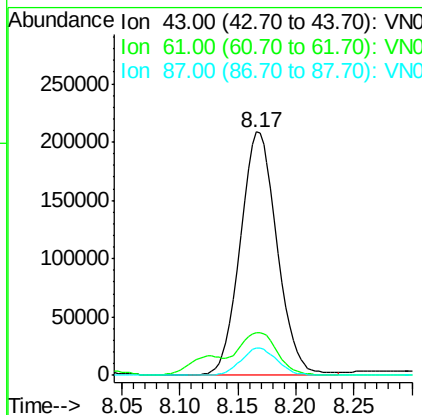
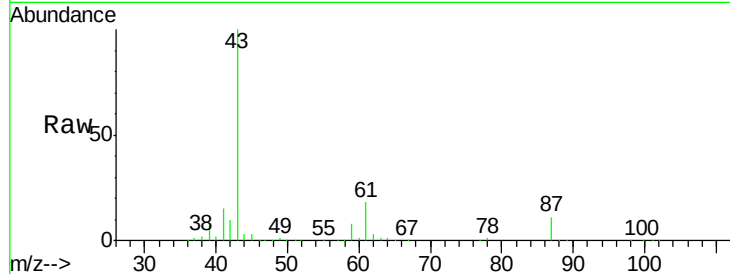
Isopropyl Acetate
 Concen: 53.285 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	61	87
Resp	458205		
Ratio	100	18.3	11.2
Lower		14.3	8.6
Upper		21.5	13.0

Manual Integrations
 APPROVED

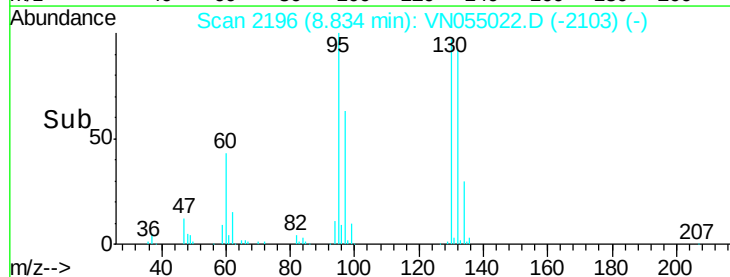
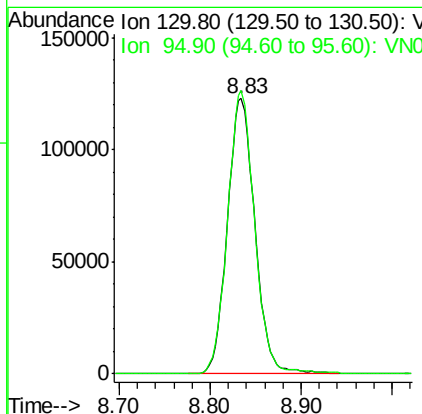
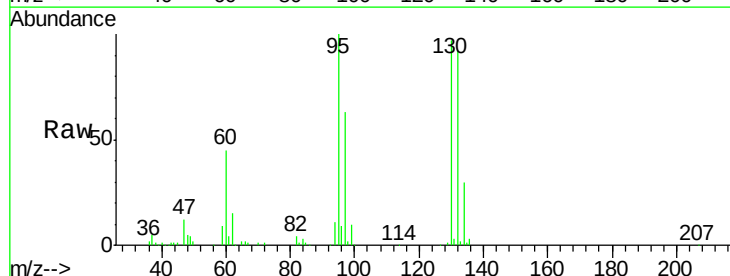
MMDadoda
 4/17/2019 10:04:06 AM

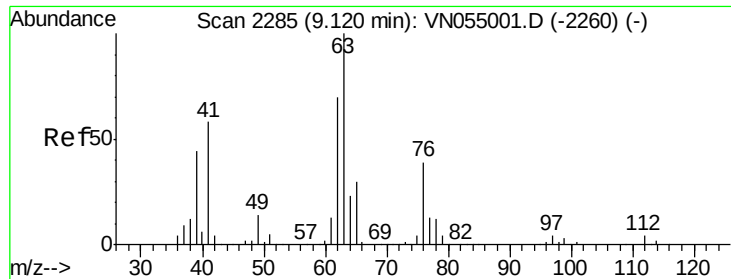


#44

Trichloroethene
 Concen: 50.002 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	130	95
Resp	258801	
Ratio	100	102.9
Lower		0.0
Upper		201.6





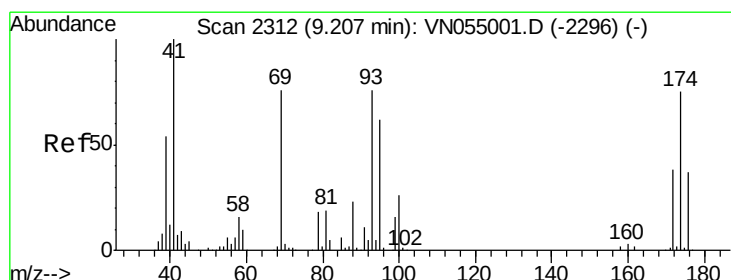
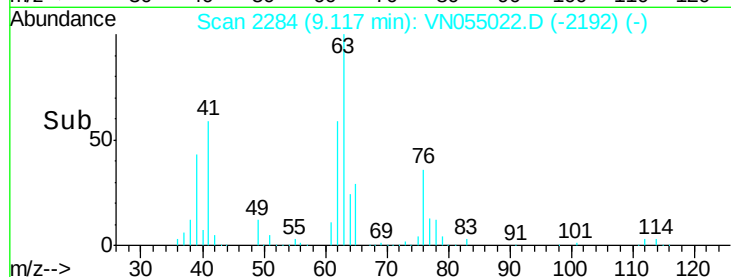
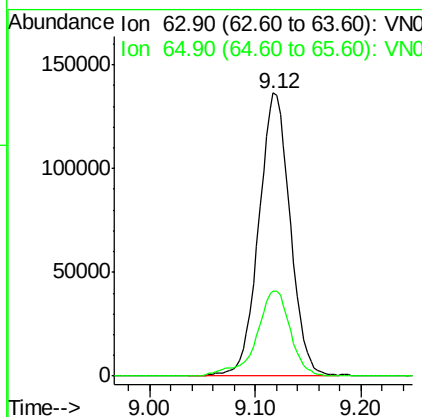
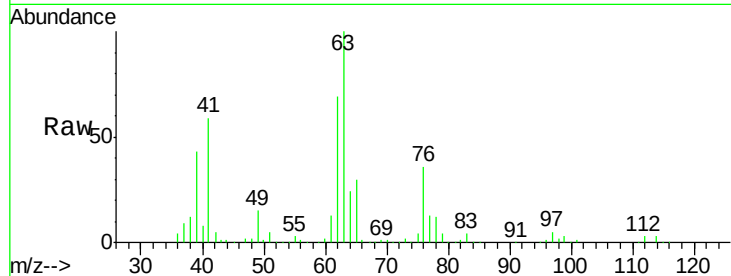
#45
 1,2-Dichloropropane
 Concen: 49.447 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 282604
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

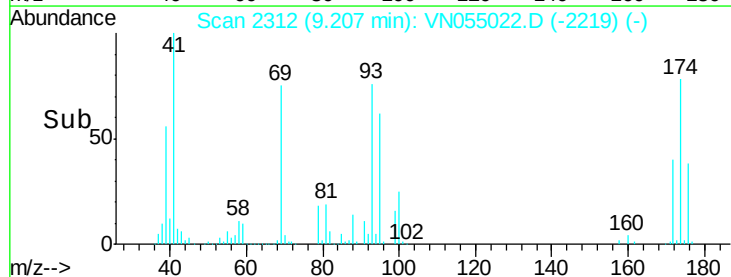
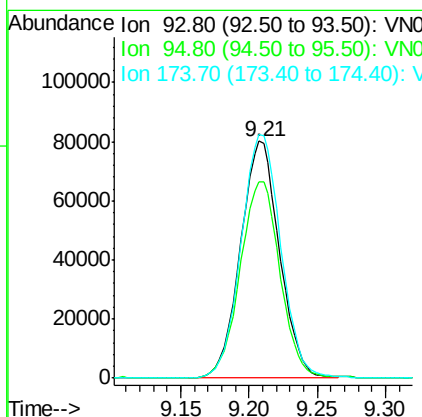
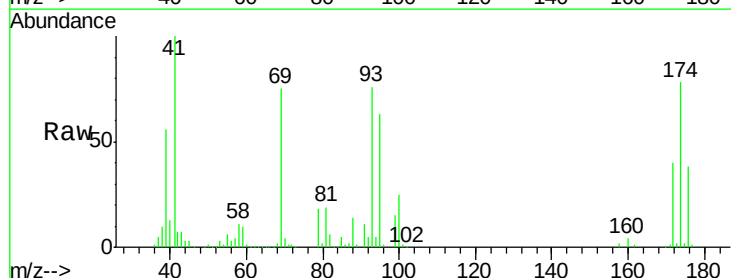
Manual Integrations
 APPROVED

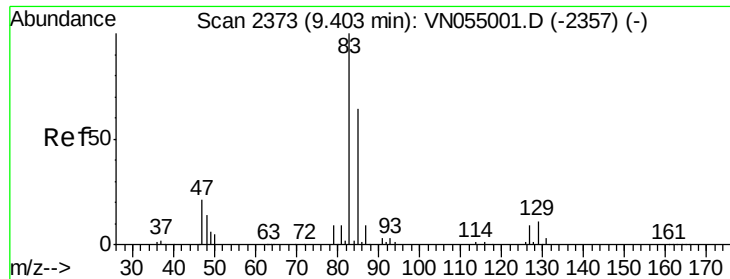
MMDadoda
 4/17/2019 10:04:06 AM



#46
 Dibromomethane
 Concen: 48.739 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion: 93 Resp: 159613
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.0 97.6
 174 104.6 81.0 121.6





#47

Bromodichloromethane

Concen: 51.131 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

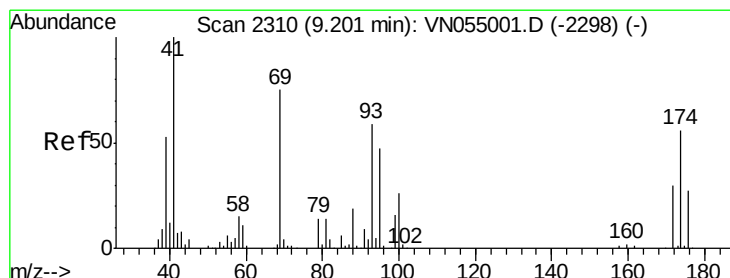
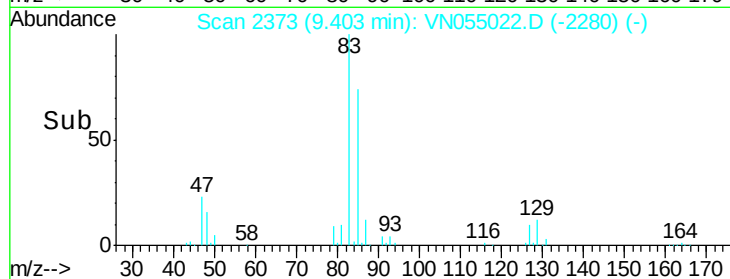
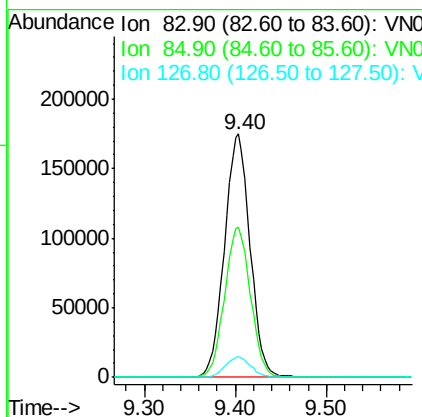
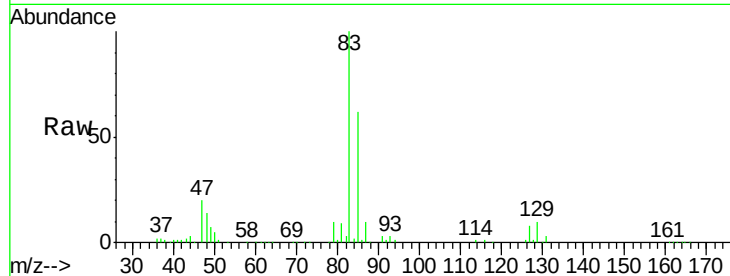
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	340519
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.2	76.8
127	8.4	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#48

Methyl methacrylate

Concen: 51.234 ug/l

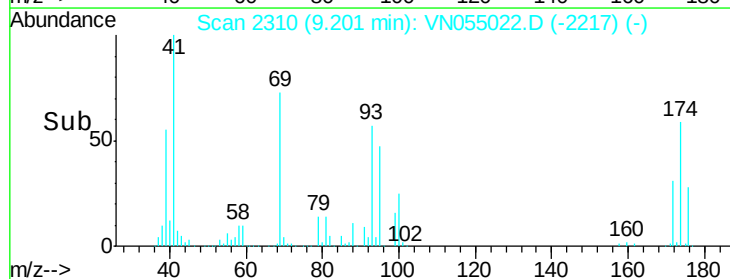
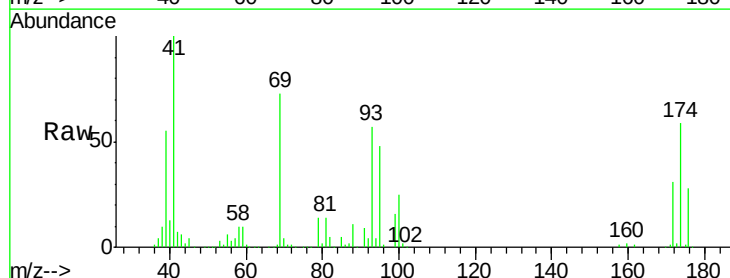
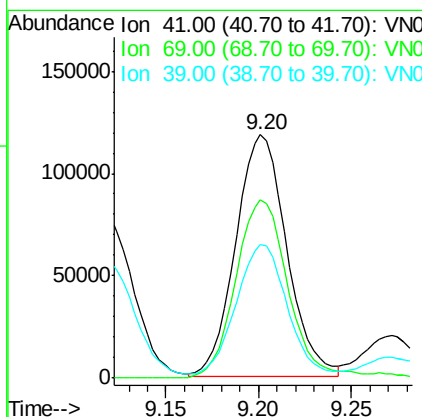
RT: 9.20 min Scan# 2310

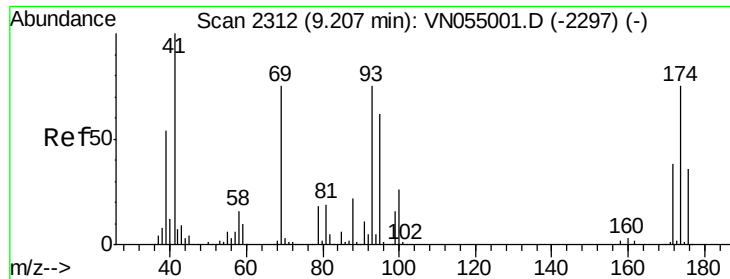
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	41	Resp:	226958
Ion Ratio	Lower	Upper	
41	100		
69	75.5	60.5	90.7
39	55.3	43.9	65.9





#49

1,4-Dioxane

Concen: 634.907 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

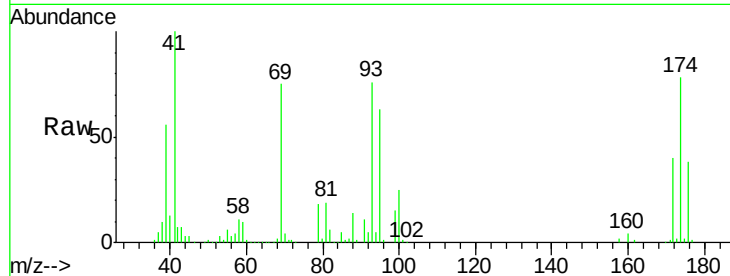
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	30247
Ion	Ratio	Lower	Upper
88	100		
43	43.1	31.8	47.8
58	78.4	61.6	92.4

Manual Integrations
APPROVED

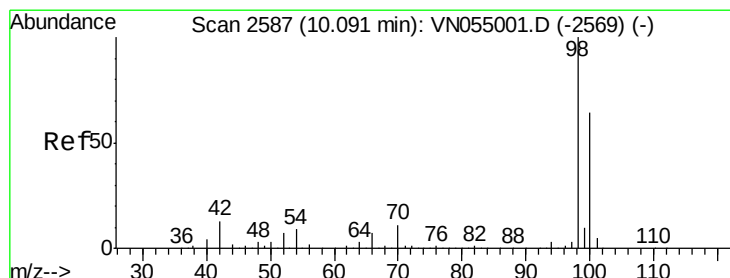
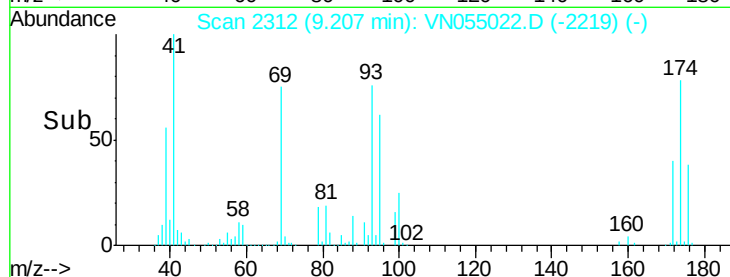
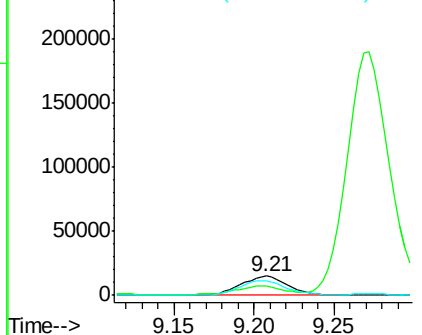
MMDadoda
4/17/2019 10:04:06 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)



#50

Toluene-d8

Concen: 52.284 ug/l

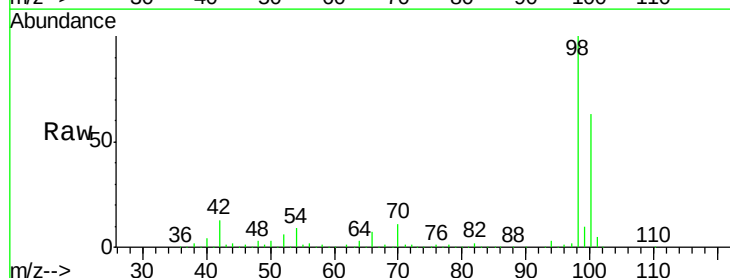
RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055022.D

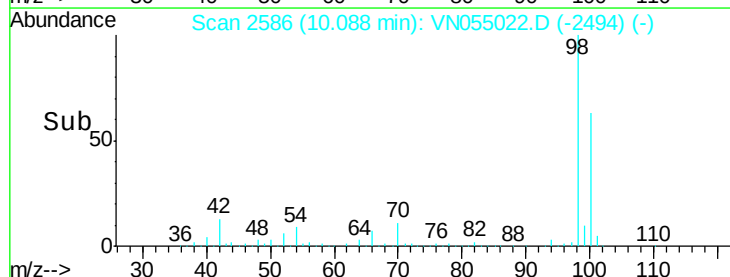
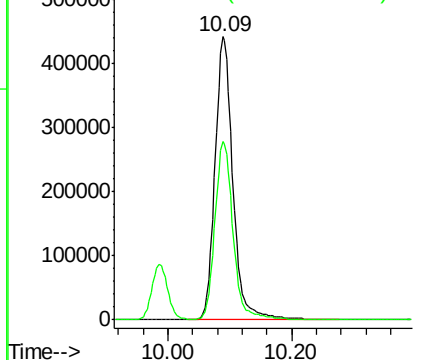
Acq: 13 Apr 2019 11:10

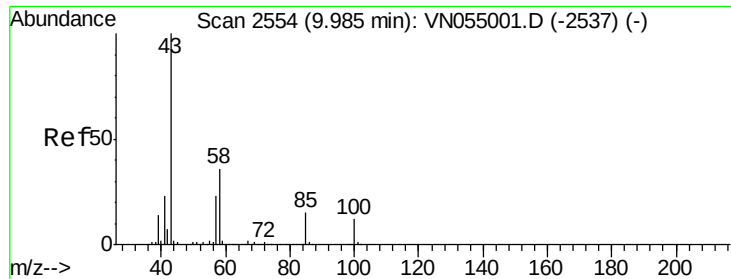
Tgt Ion:	98	Resp:	887302
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 261.555 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1316928

Ion Ratio Lower Upper

43 100

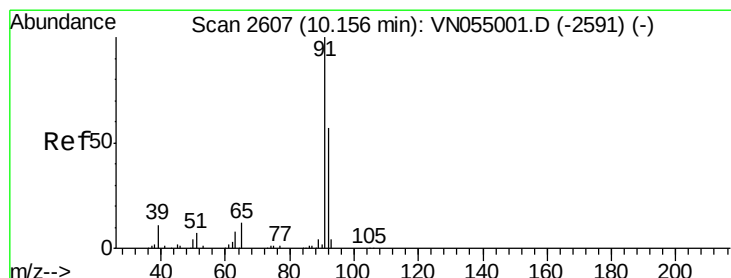
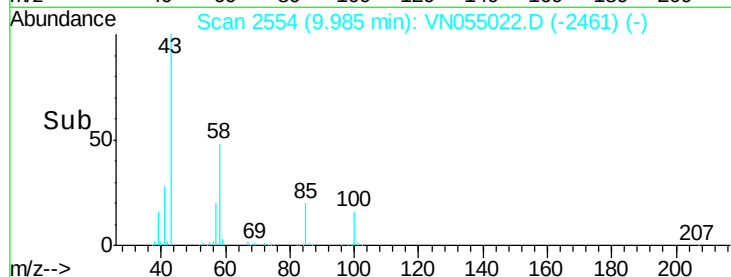
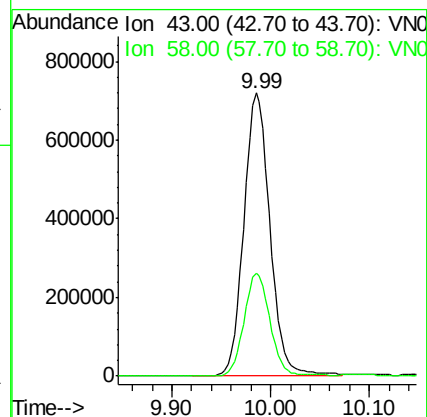
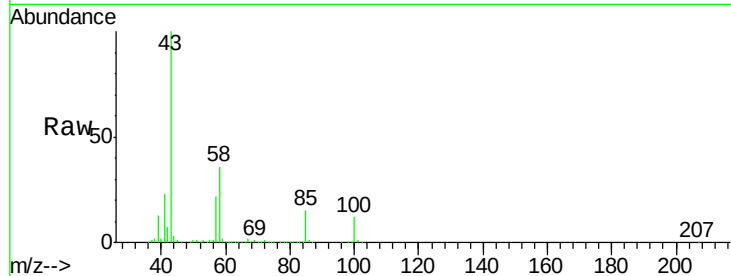
58 36.4 29.0 43.4

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#52

Toluene

Concen: 50.184 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055022.D

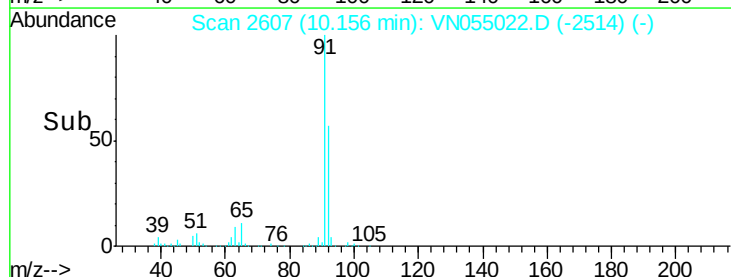
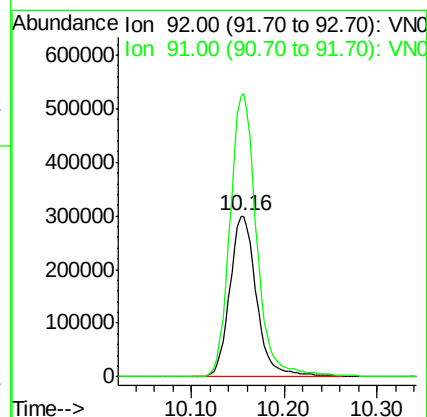
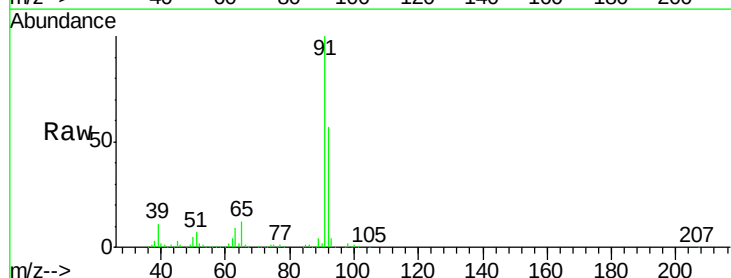
Acq: 13 Apr 2019 11:10

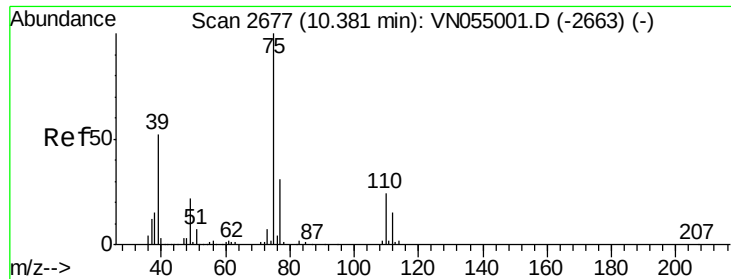
Tgt Ion: 92 Resp: 601102

Ion Ratio Lower Upper

92 100

91 175.7 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 54.632 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 329448

Ion Ratio Lower Upper

75 100

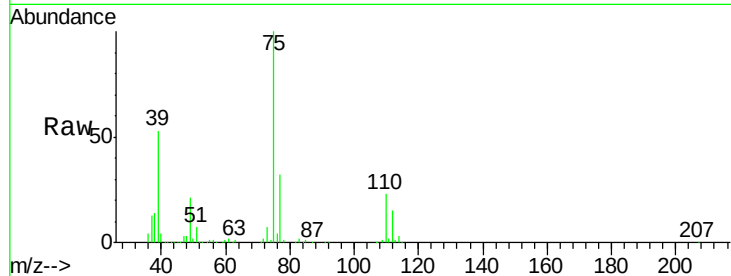
77 32.1 24.6 37.0

Manual Integrations

APPROVED

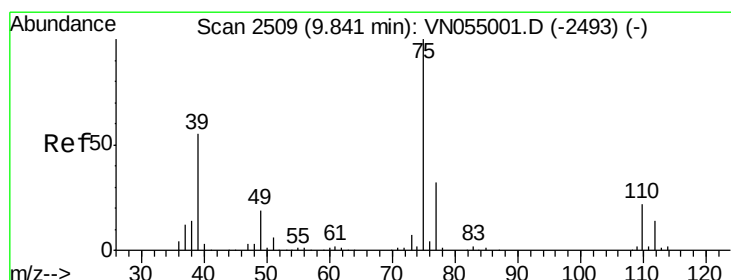
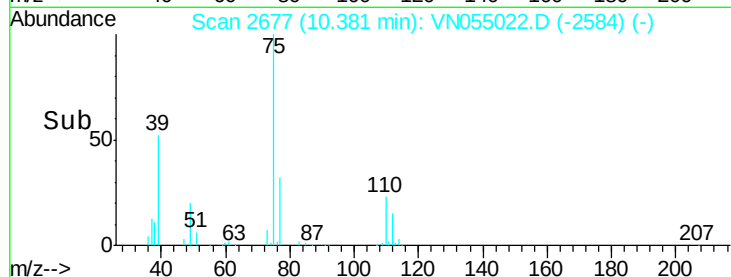
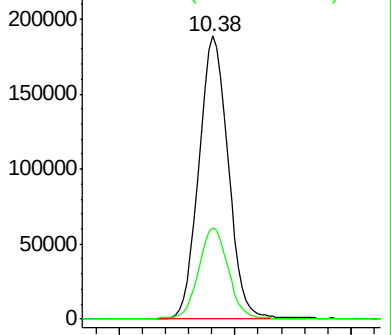
MMDadoda

4/17/2019 10:04:06 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.320 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

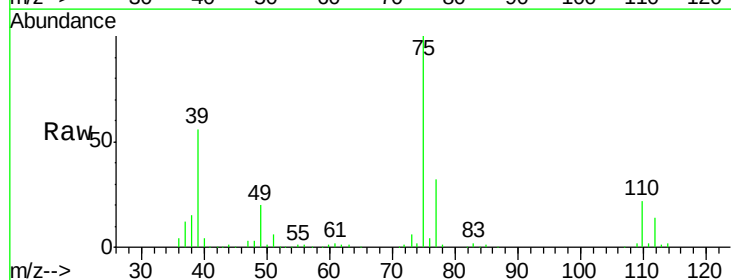
Tgt Ion: 75 Resp: 396083

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

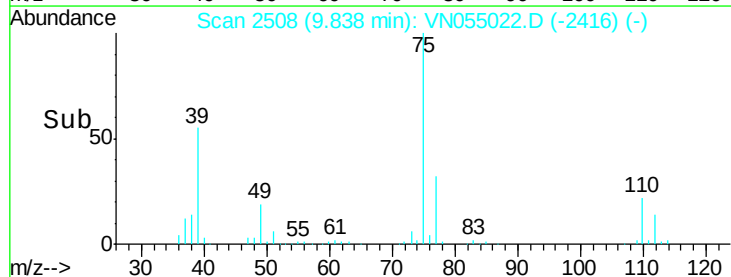
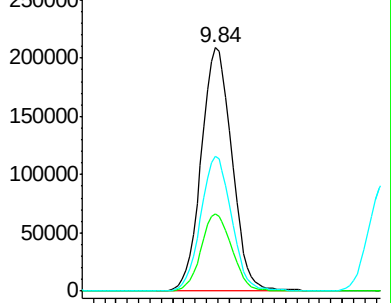
39 55.4 43.8 65.8

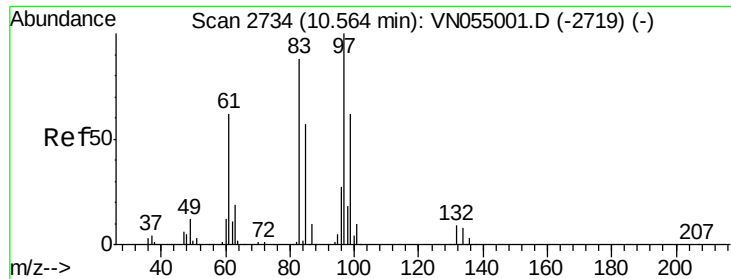


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





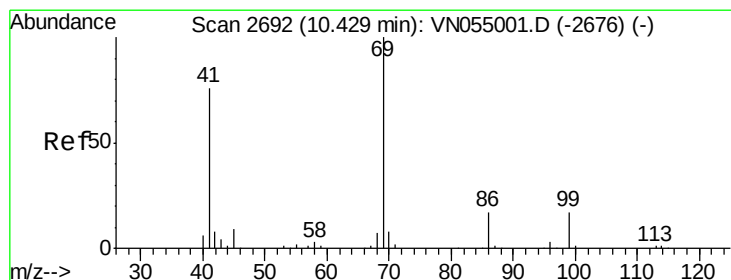
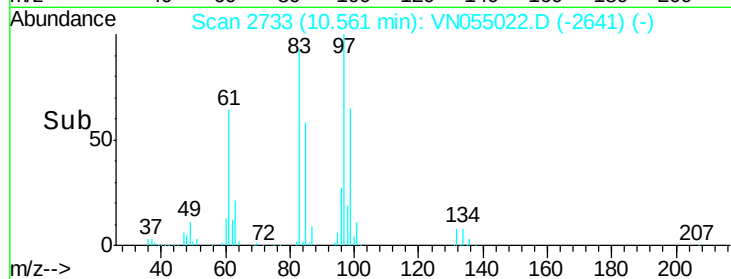
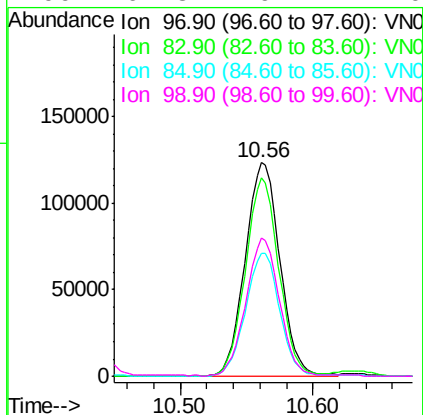
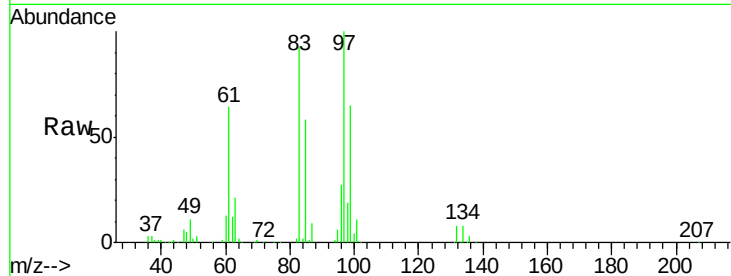
#55
 1,1,2-Trichloroethane
 Concen: 50.486 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	225268
Ion	Ratio	Lower	Upper
97	100		
83	92.9	70.5	105.7
85	57.7	45.5	68.3
99	64.3	49.4	74.0

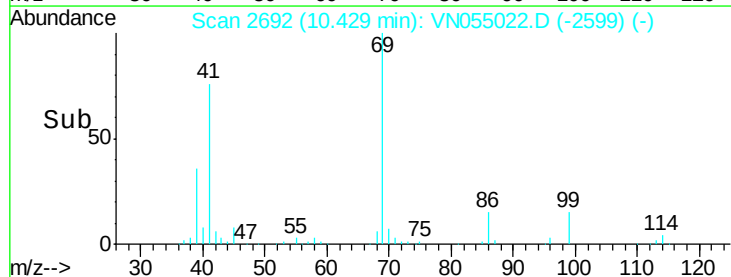
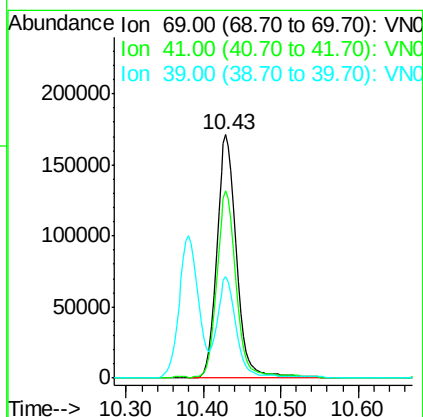
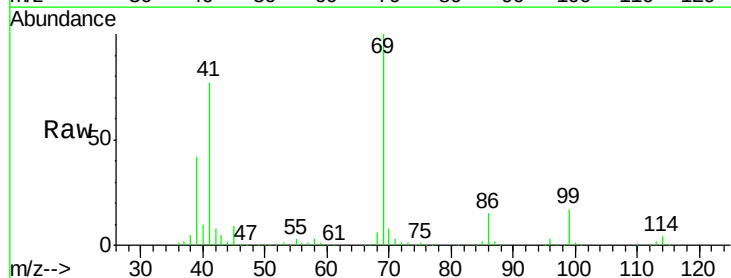
Manual Integrations
 APPROVED

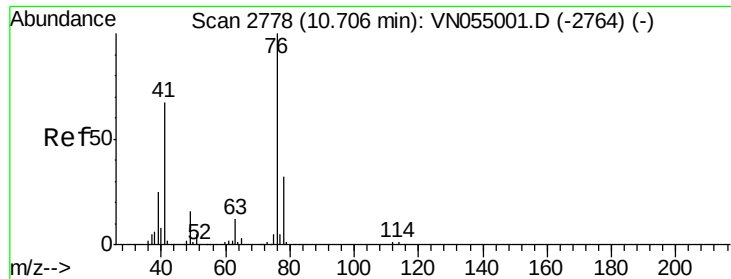
MMDadoda
 4/17/2019 10:04:06 AM



#56
 Ethyl methacrylate
 Concen: 53.666 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion:	69	Resp:	308122
Ion	Ratio	Lower	Upper
69	100		
41	75.7	61.4	92.0
39	39.6	30.8	46.2





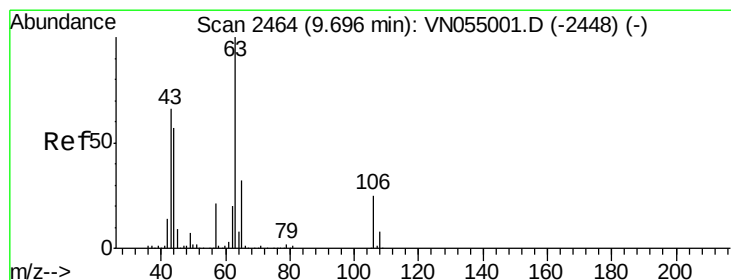
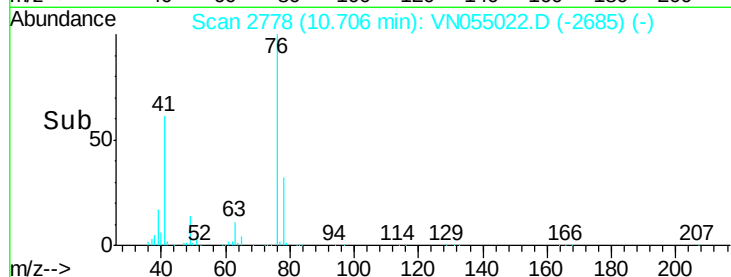
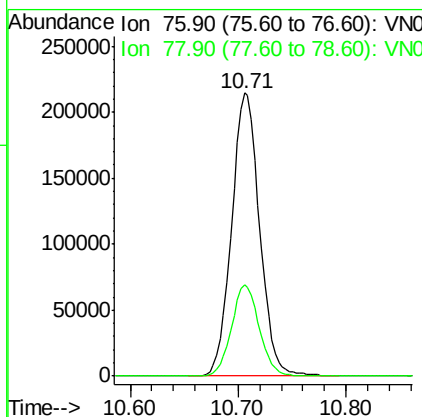
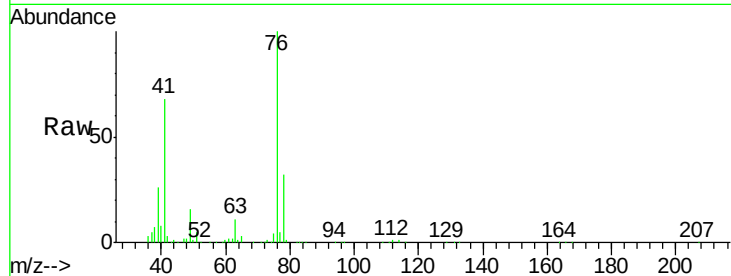
#57
 1,3-Dichloropropane
 Concen: 50.453 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

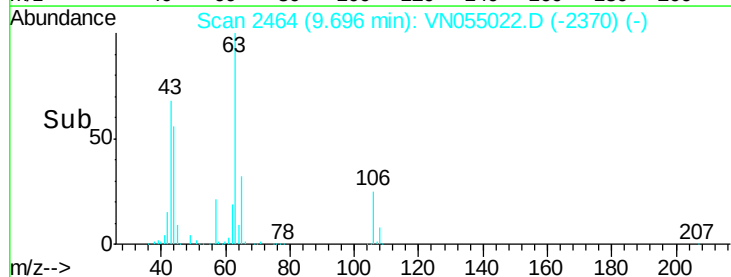
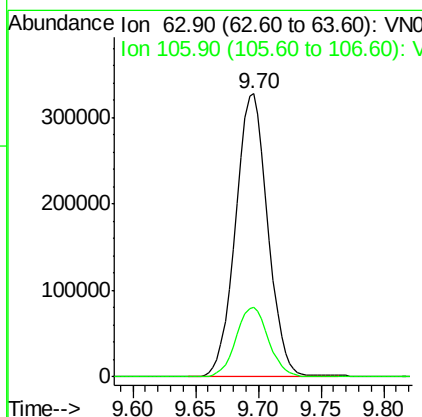
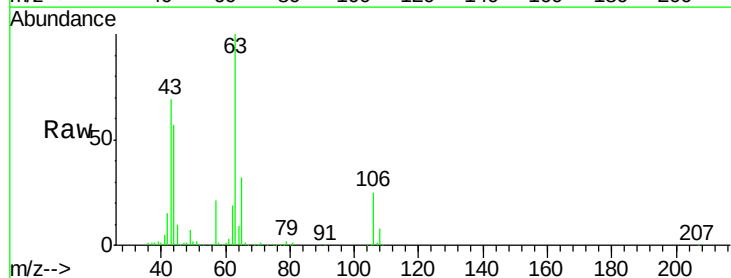
Manual Integrations
 APPROVED

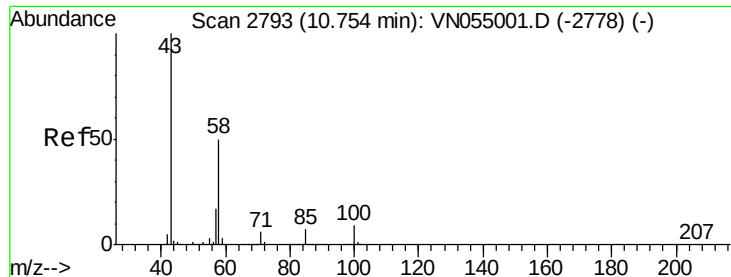
MMDadoda
 4/17/2019 10:04:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.866 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.0	30.0





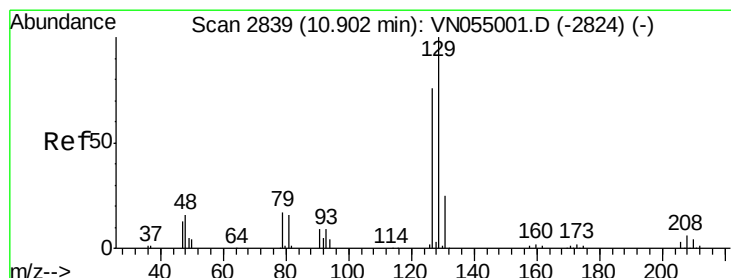
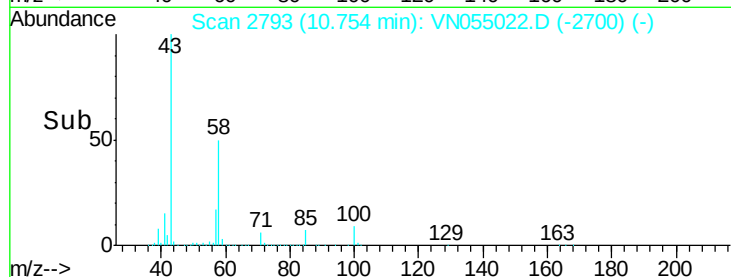
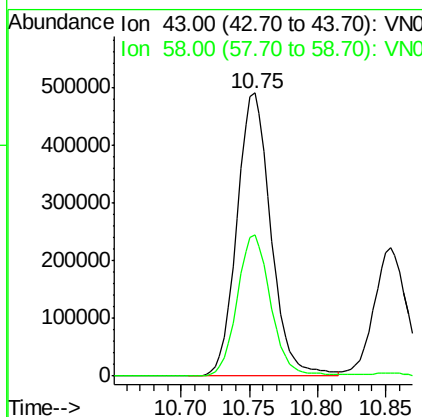
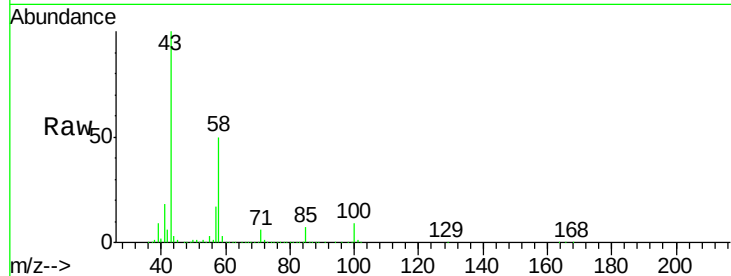
#59
2-Hexanone
Concen: 268.238 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 843970
Ion Ratio Lower Upper
43 100
58 49.9 25.1 75.2

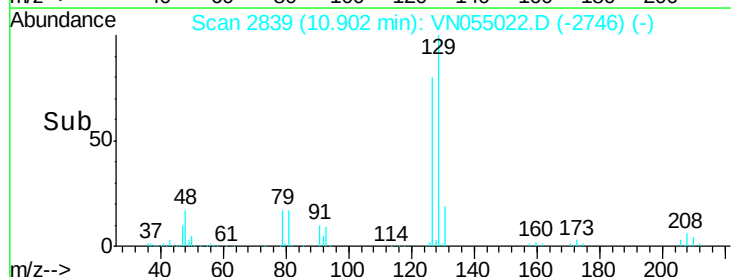
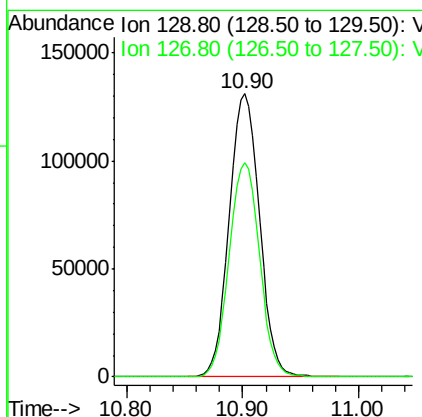
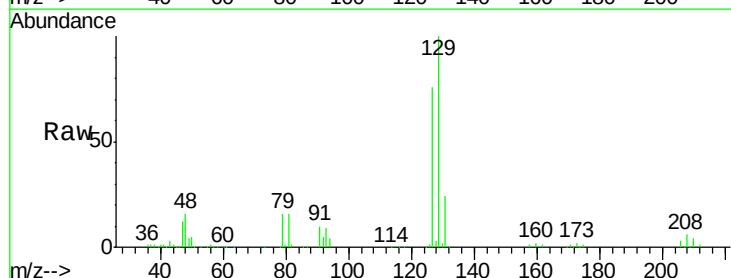
Manual Integrations
APPROVED

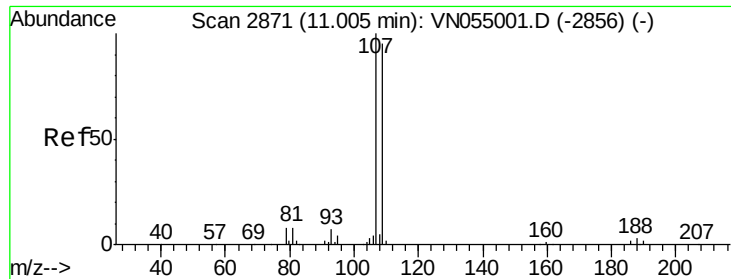
MMDadoda
4/17/2019 10:04:06 AM



#60
Dibromochloromethane
Concen: 53.304 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion: 129 Resp: 236744
Ion Ratio Lower Upper
129 100
127 76.3 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.486 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 219947

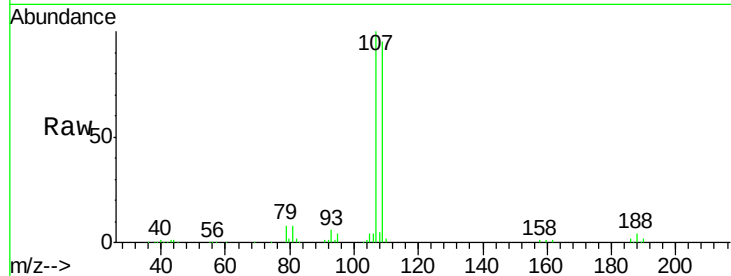
Ion Ratio Lower Upper

107 100

109 93.0 76.5 114.7

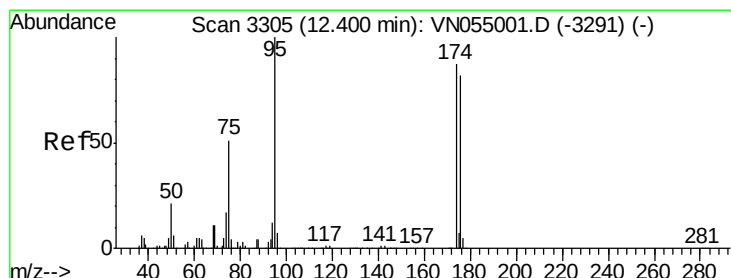
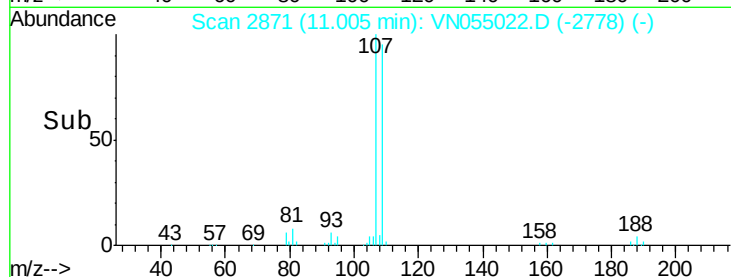
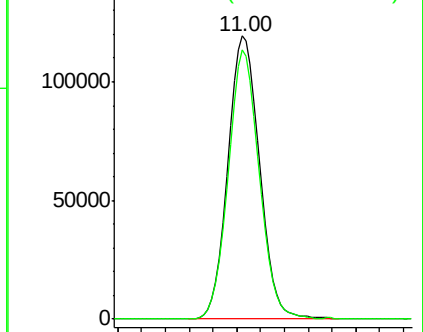
Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.228 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

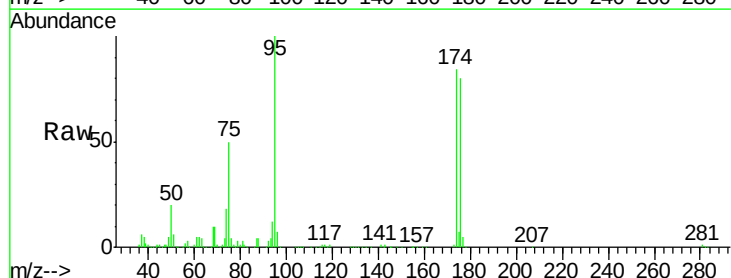
Tgt Ion: 95 Resp: 298564

Ion Ratio Lower Upper

95 100

174 83.8 0.0 174.4

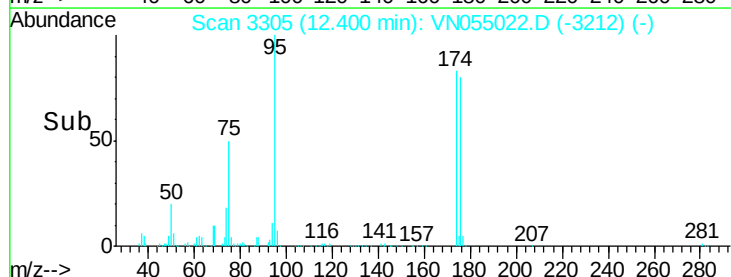
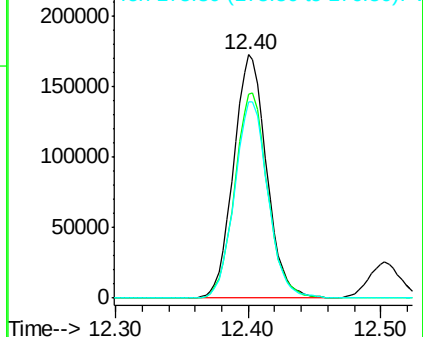
176 81.2 0.0 166.8

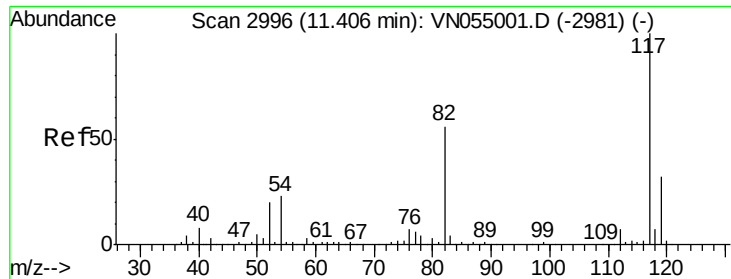


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





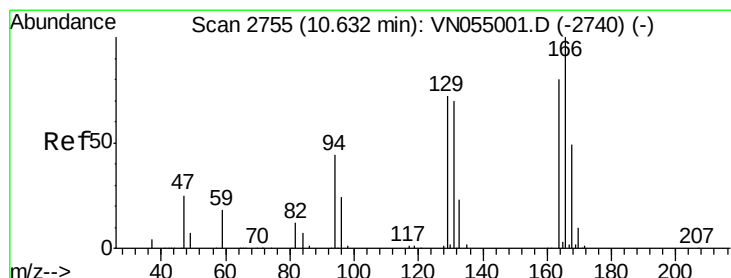
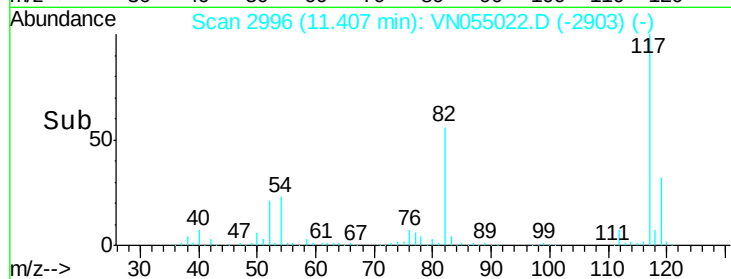
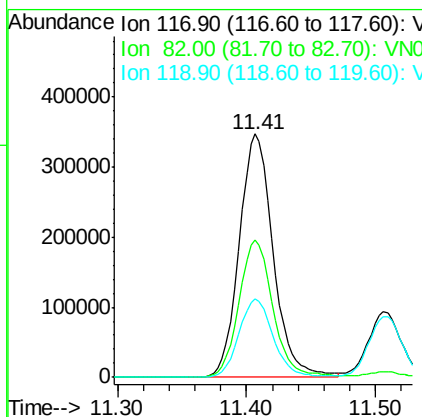
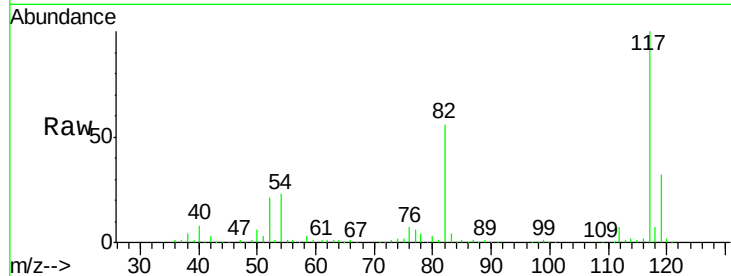
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	32.1	25.5	38.3

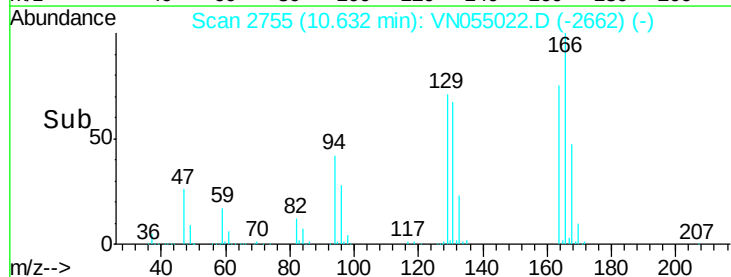
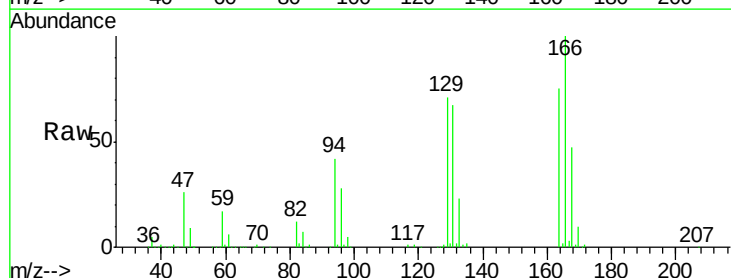
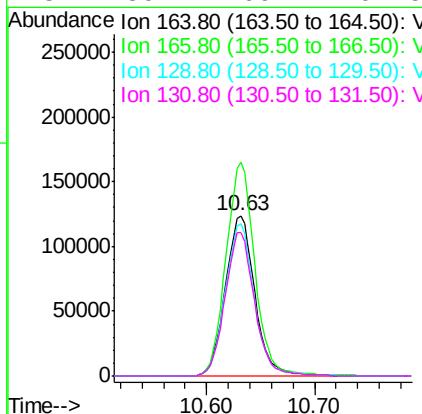
Manual Integrations
APPROVED

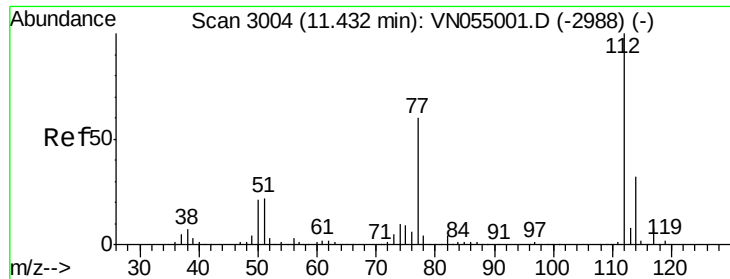
MMDadoda
4/17/2019 10:04:06 AM



#64
Tetrachloroethene
Concen: 47.204 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.0	150.0
129	94.4	72.0	108.0
131	89.4	69.7	104.5





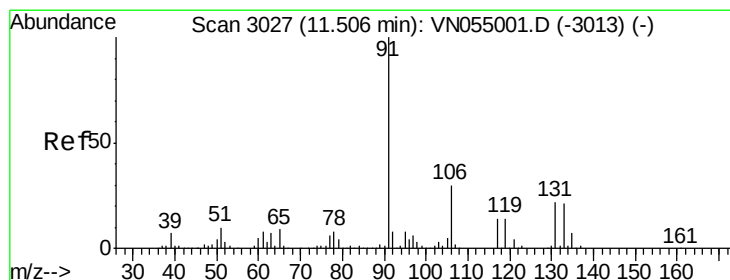
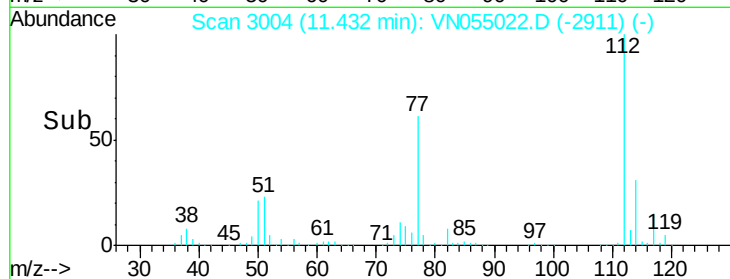
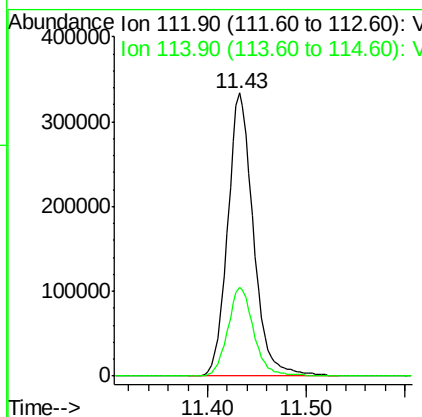
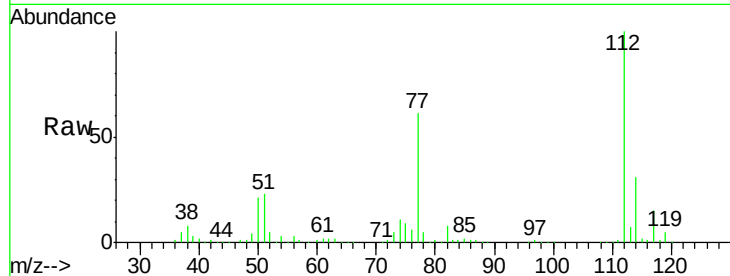
#65
Chlorobenzene
Concen: 49.643 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 609609
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

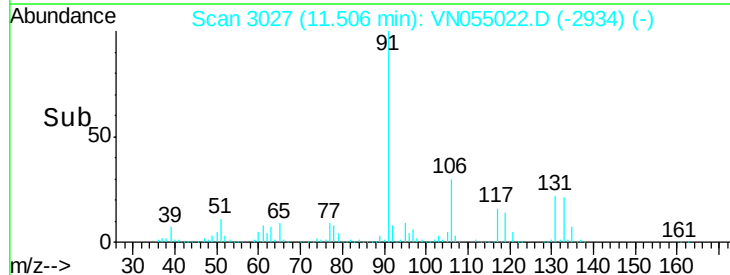
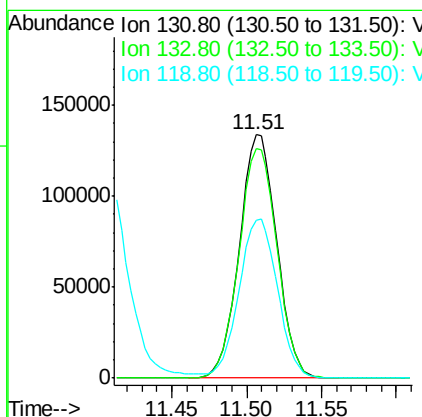
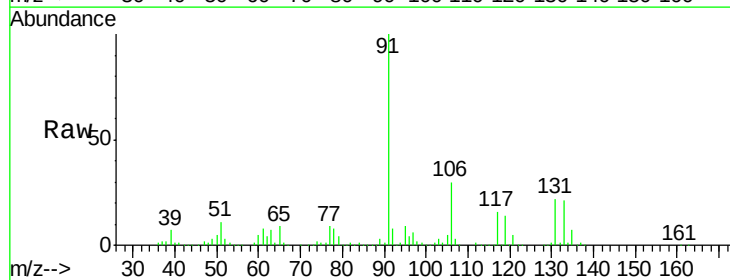
Manual Integrations
APPROVED

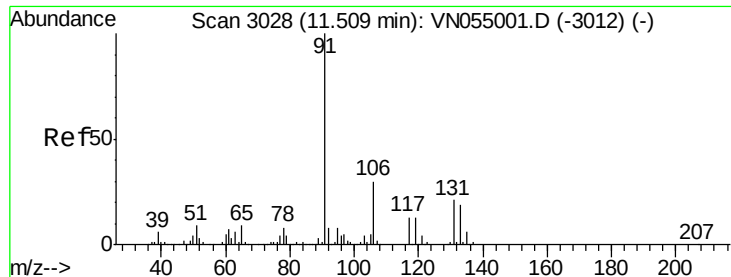
MMDadoda
4/17/2019 10:04:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.302 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion:131 Resp: 232165
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 67.5 33.6 100.6





#67

Ethyl Benzene

Concen: 50.292 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1134432

Ion Ratio Lower Upper

91 100

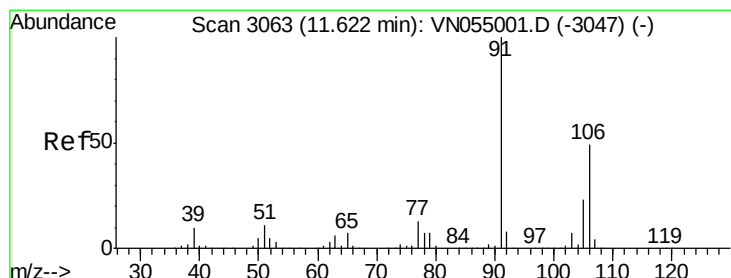
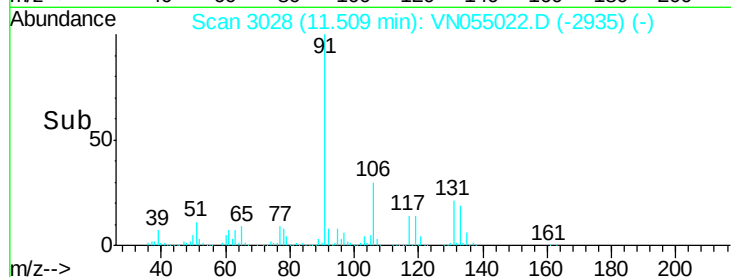
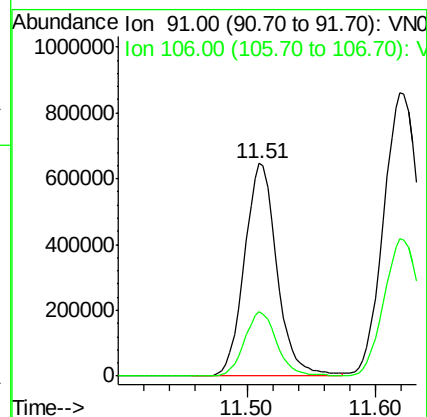
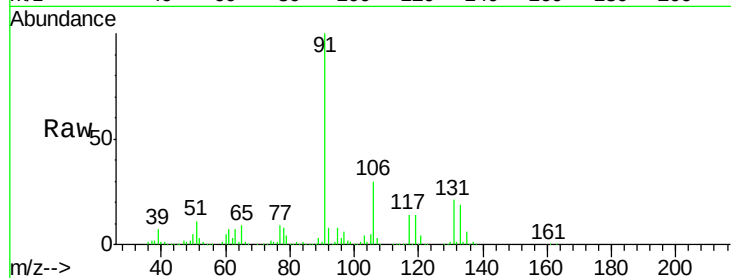
106 30.1 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#68

m/p-Xylenes

Concen: 101.027 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055022.D

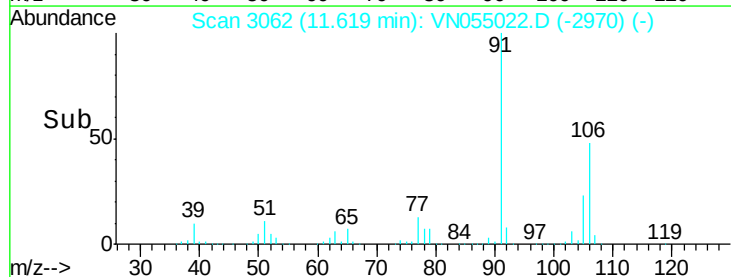
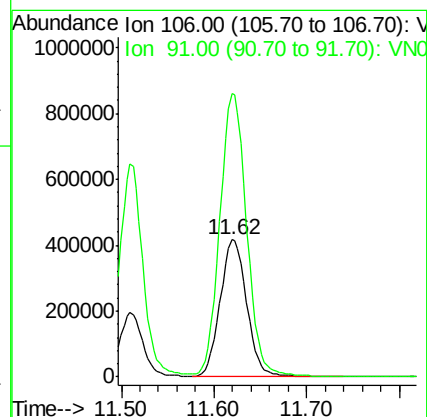
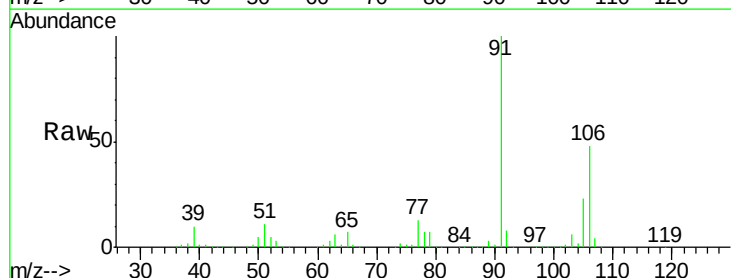
Acq: 13 Apr 2019 11:10

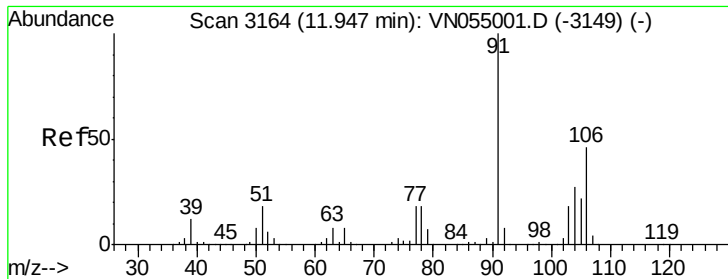
Tgt Ion: 106 Resp: 833740

Ion Ratio Lower Upper

106 100

91 208.1 165.9 248.9





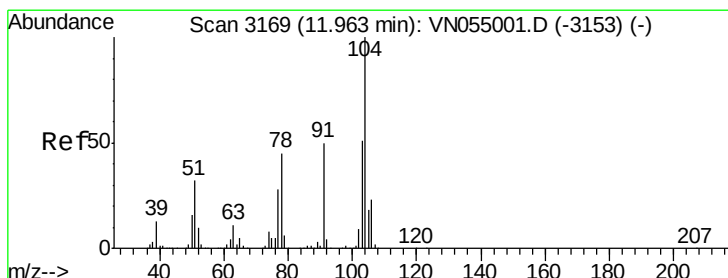
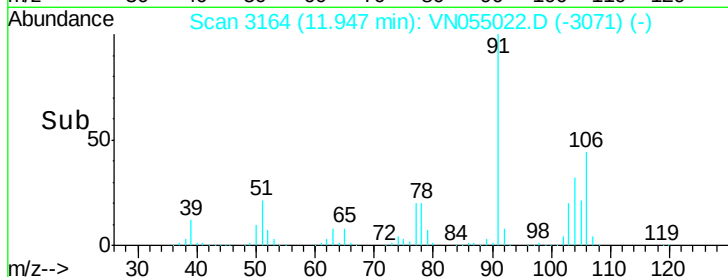
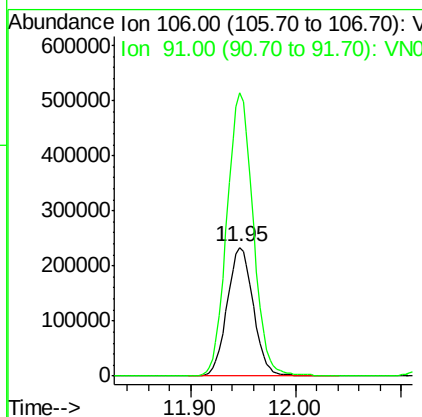
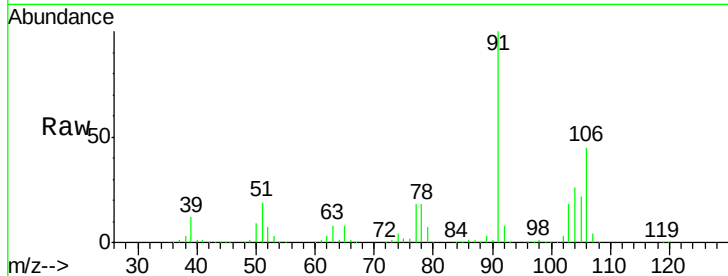
#69
o-Xylene
Concen: 49.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		401370		
91	220.4	109.9	329.8		

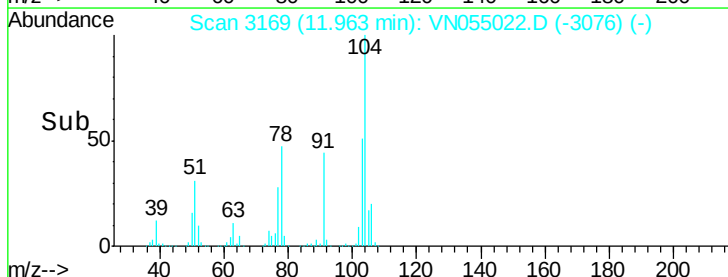
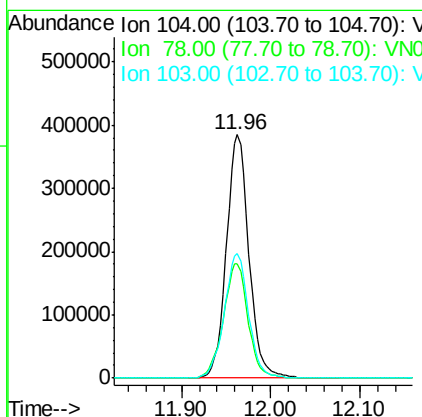
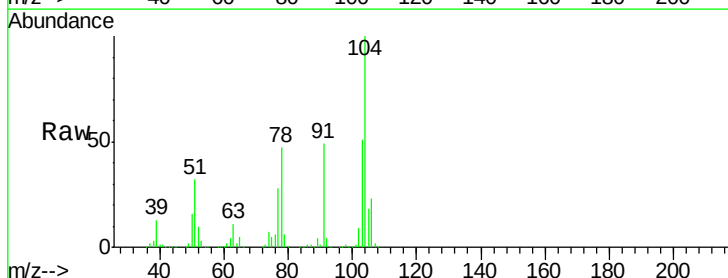
Manual Integrations
APPROVED

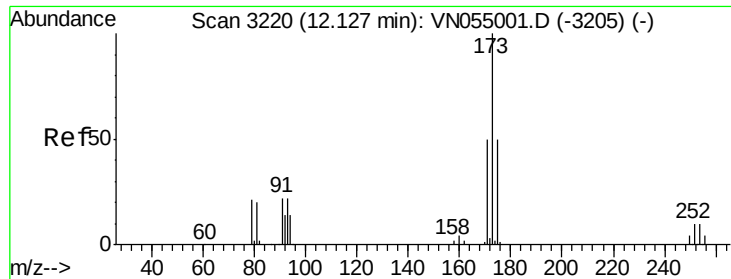
MMDadoda
4/17/2019 10:04:06 AM



#70
Styrene
Concen: 51.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		671122		
78	51.7	40.3	60.5		
103	55.4	44.3	66.5		





#71

Bromoform

Concen: 47.209 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

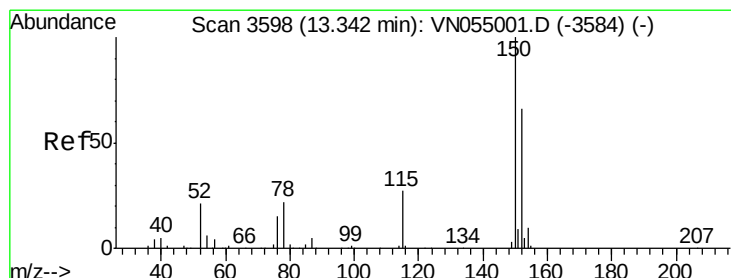
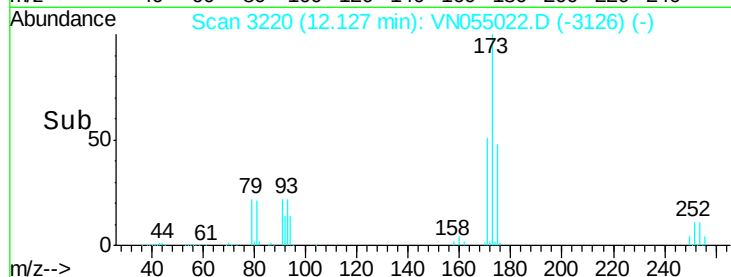
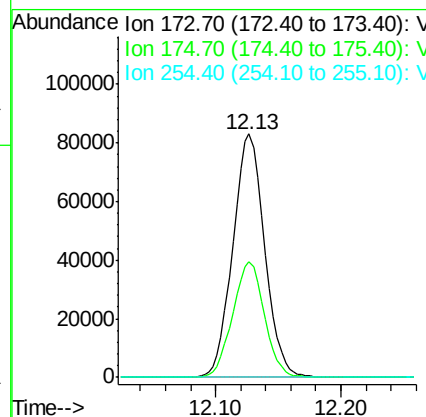
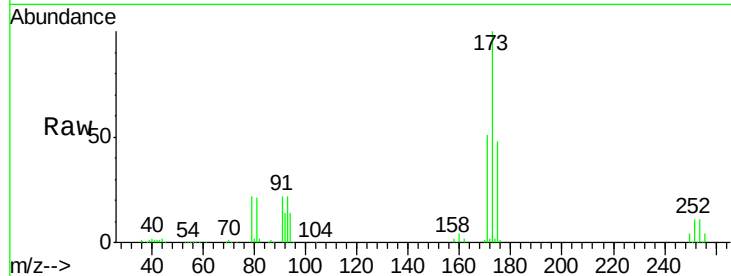
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

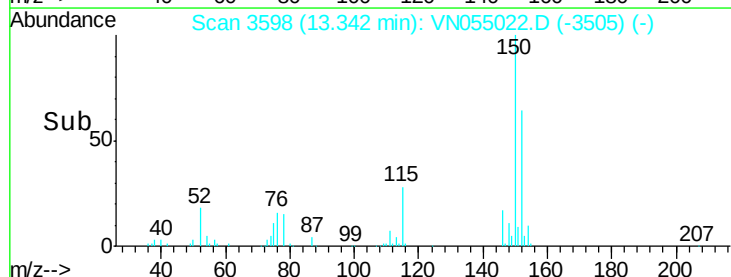
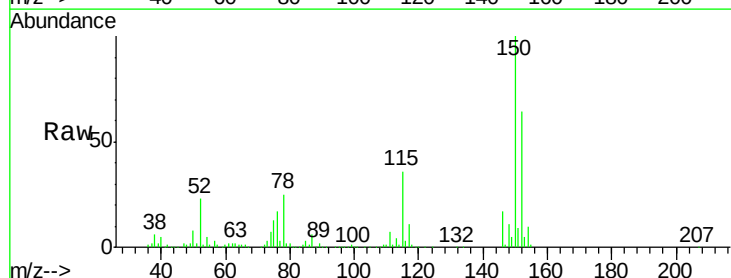
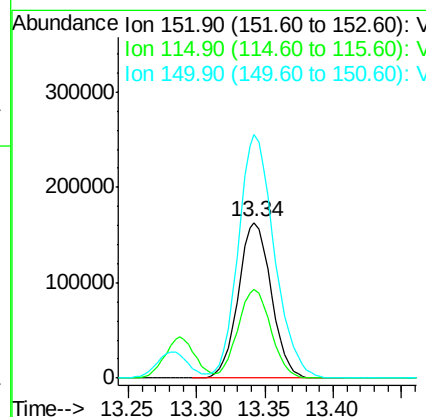
RT: 13.34 min Scan# 3598

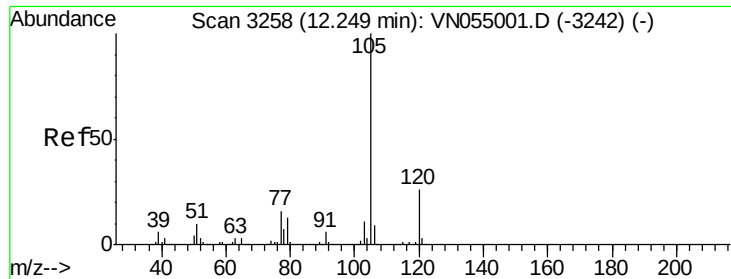
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.5	85.6
150	170.9	0.0	347.2





#73

Isopropylbenzene

Concen: 46.004 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1069486

Ion Ratio Lower Upper

105 100

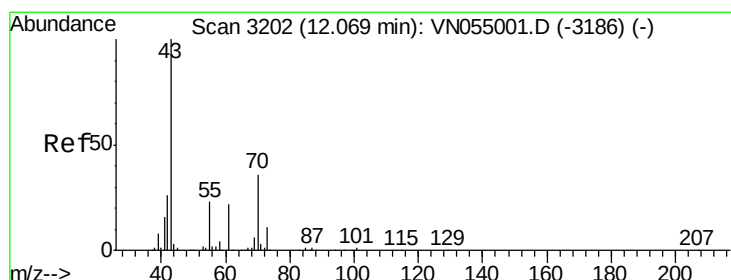
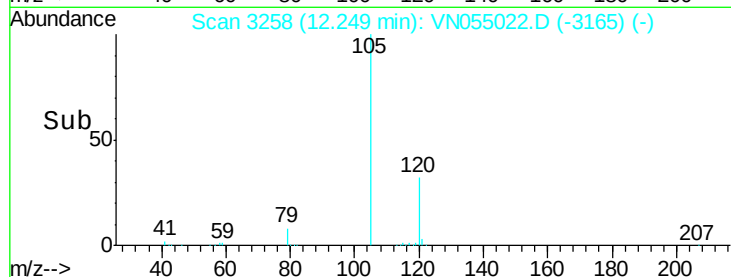
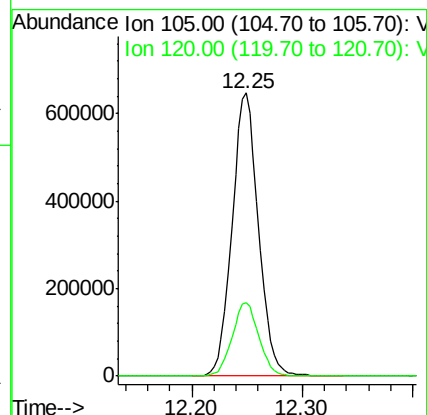
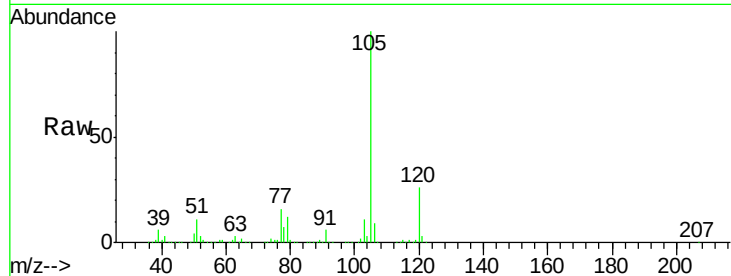
120 26.3 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#74

N-ethyl acetate

Concen: 51.832 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion: 43 Resp: 363194

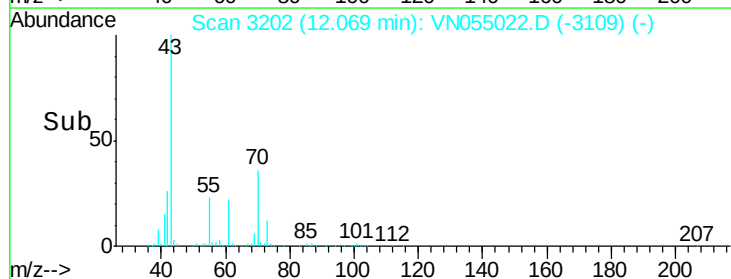
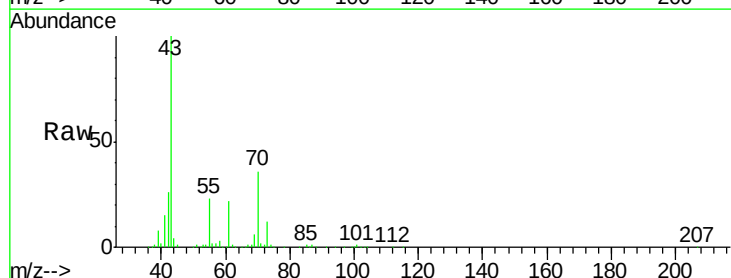
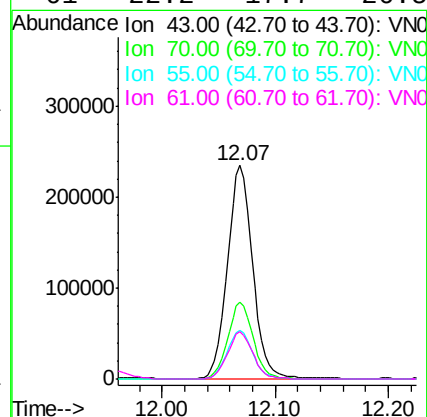
Ion Ratio Lower Upper

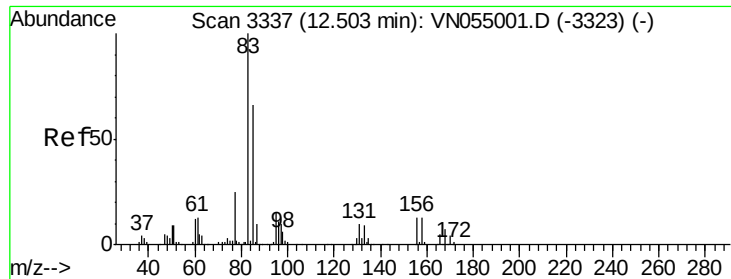
43 100

70 36.2 29.4 44.0

55 23.4 19.0 28.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.748 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

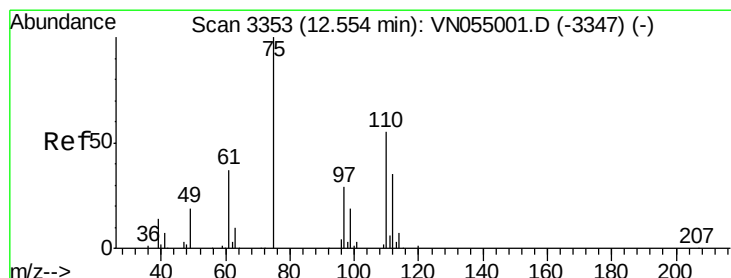
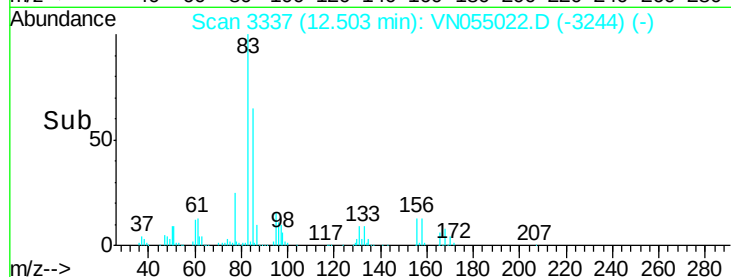
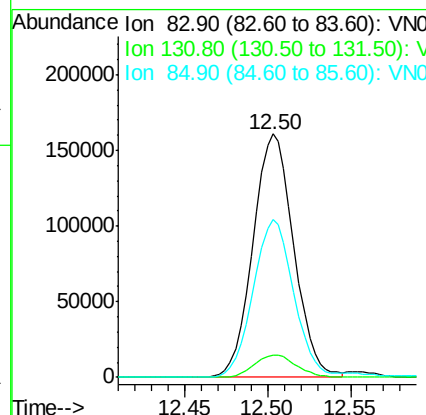
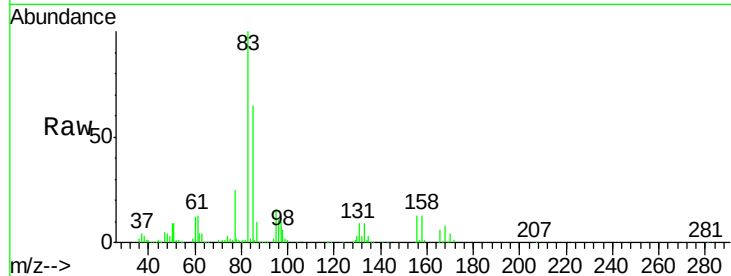
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	275354
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	64.6	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#76

1,2,3-Trichloropropane

Concen: 47.869 ug/l m

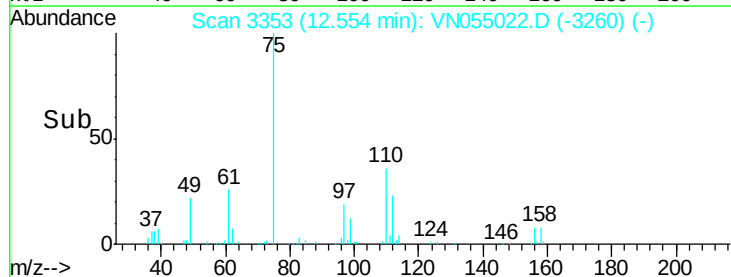
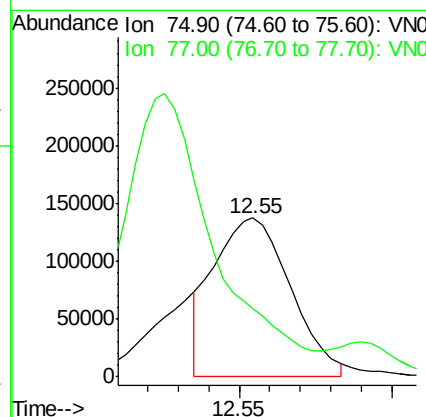
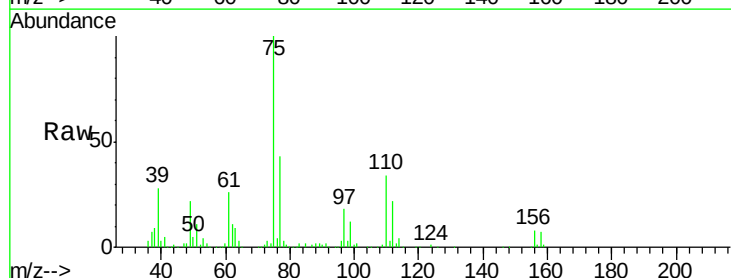
RT: 12.55 min Scan# 3353

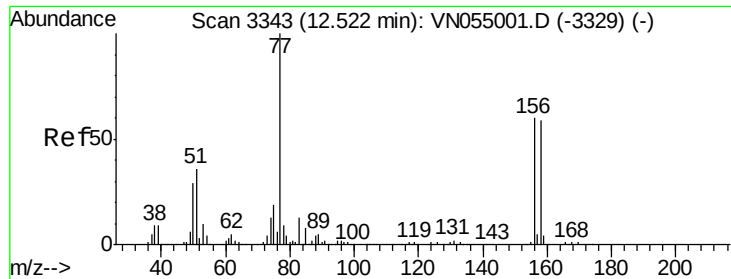
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	75	Resp:	240798
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.419 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

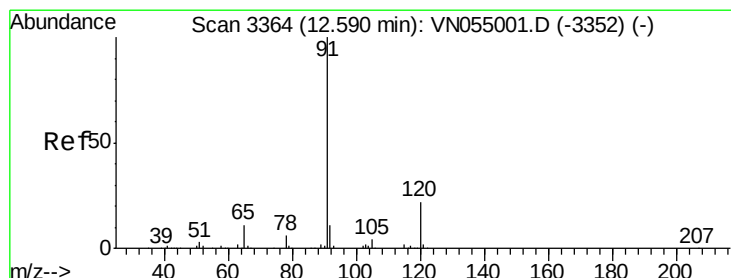
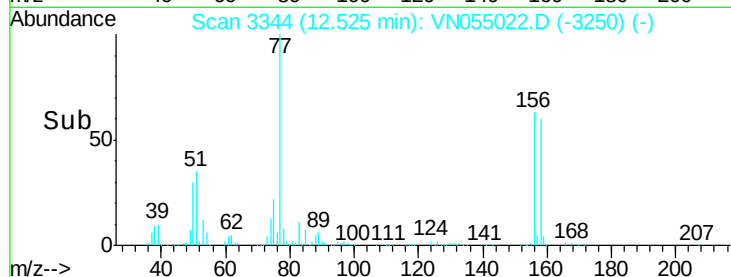
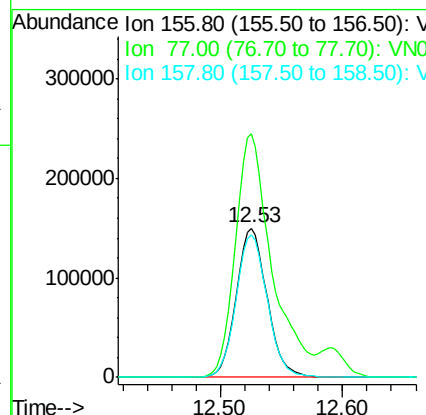
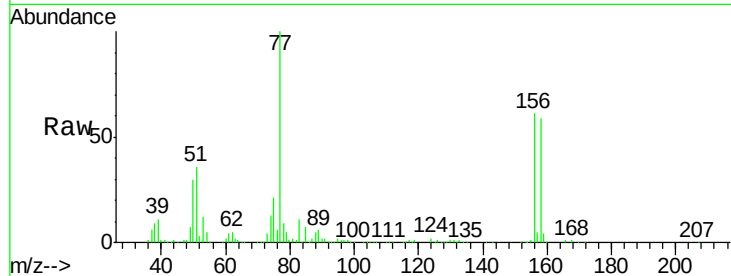
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		262762		
77	194.4		97.2	291.5	
158	97.0		48.6	145.9	

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#78

n-propylbenzene

Concen: 47.392 ug/l

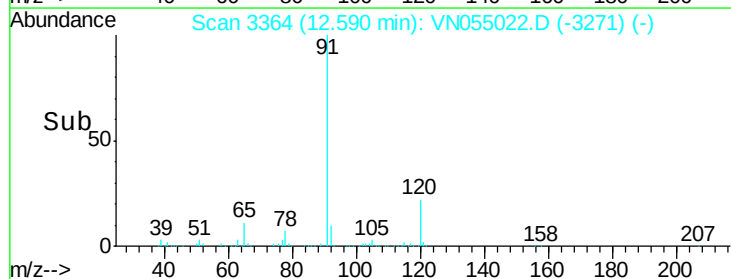
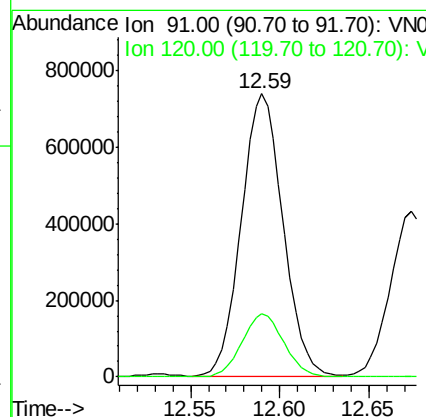
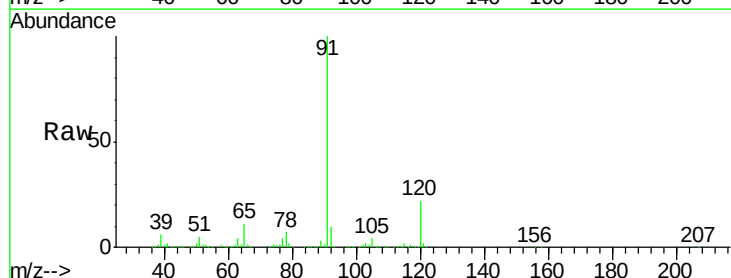
RT: 12.59 min Scan# 3364

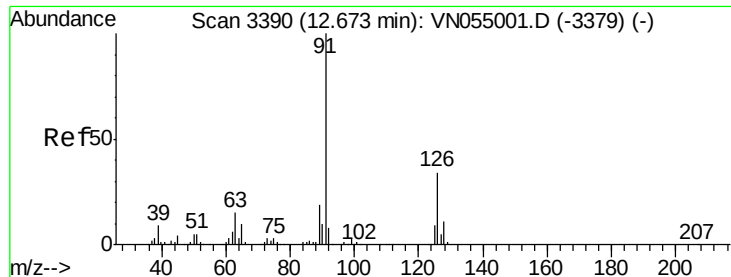
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1200336		
120	22.5		11.2	33.5	





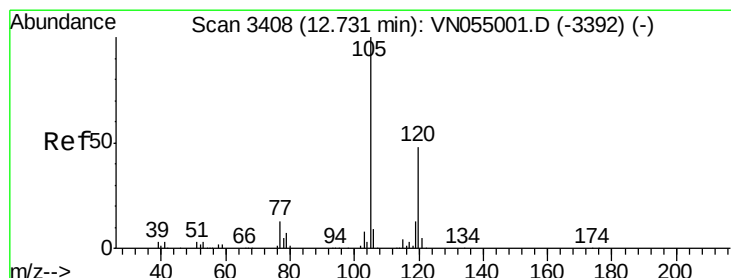
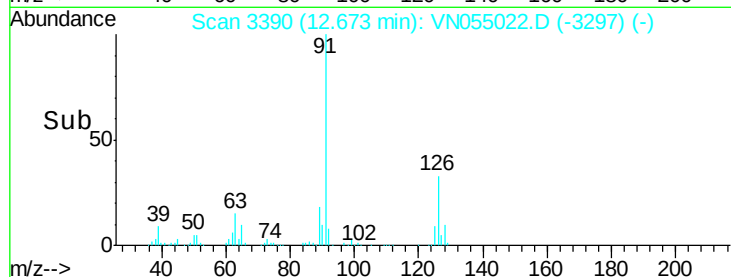
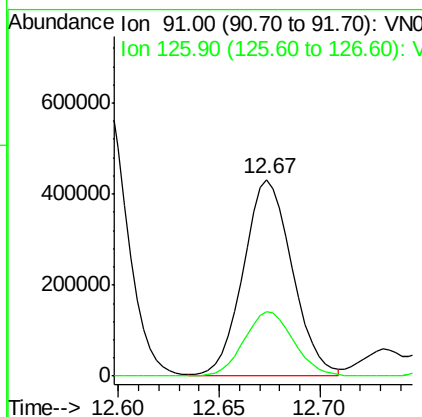
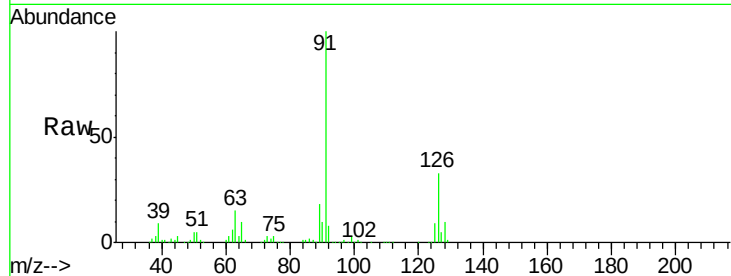
#79
2-Chlorotoluene
Concen: 46.635 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 729694
Ion Ratio Lower Upper
91 100
126 33.7 17.1 51.2

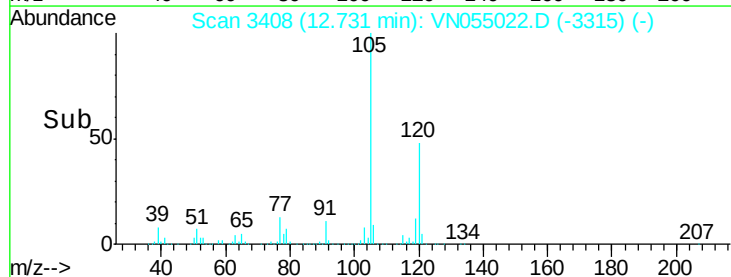
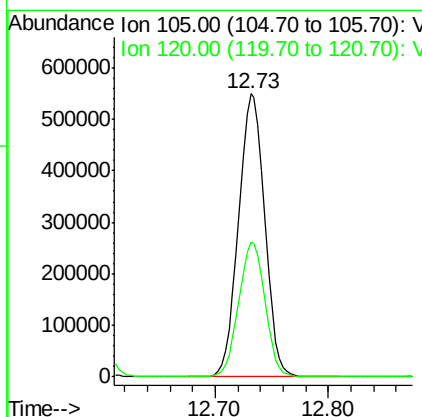
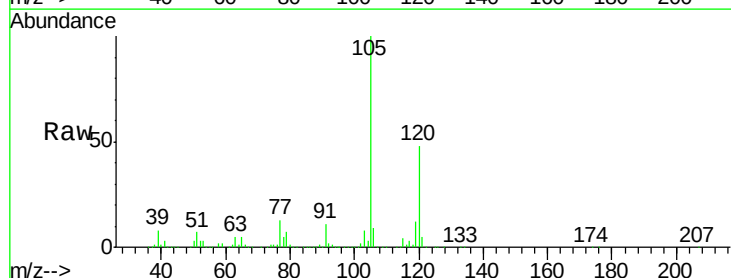
Manual Integrations
APPROVED

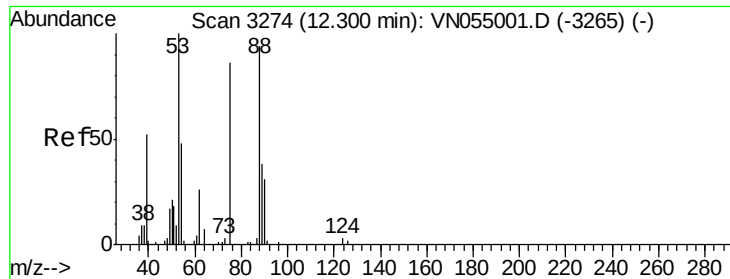
MMDadoda
4/17/2019 10:04:06 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.913 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion: 105 Resp: 887841
Ion Ratio Lower Upper
105 100
120 47.9 24.3 72.8





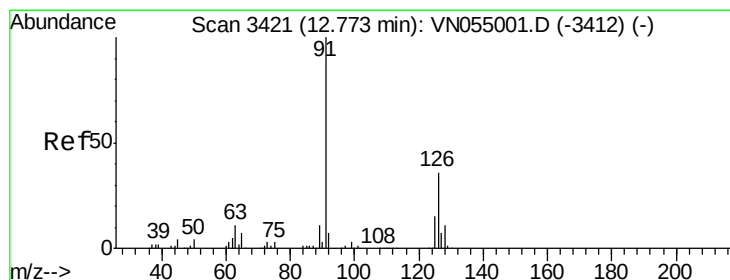
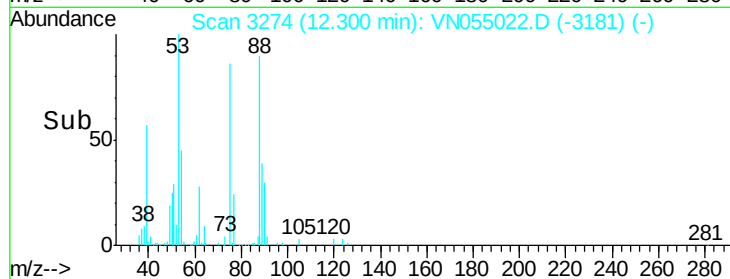
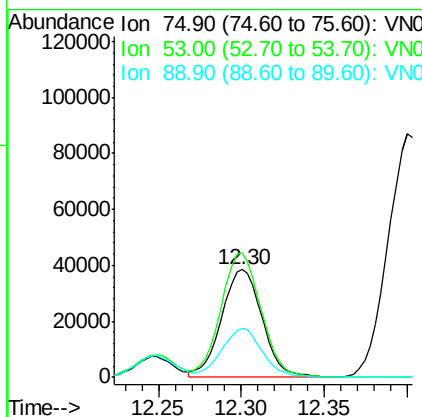
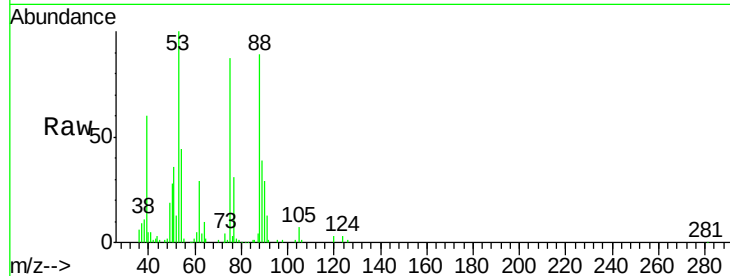
#81
trans-1,4-Dichloro-2-butene
Concen: 53.239 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	96.3	144.5
89	46.3	38.6	57.8

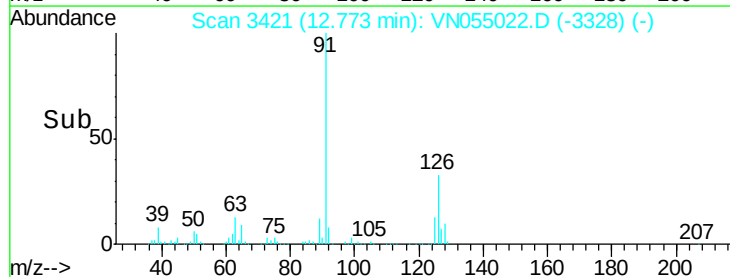
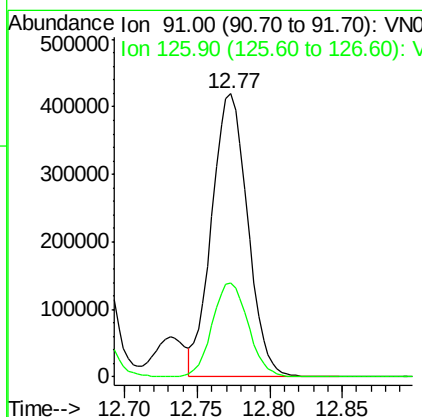
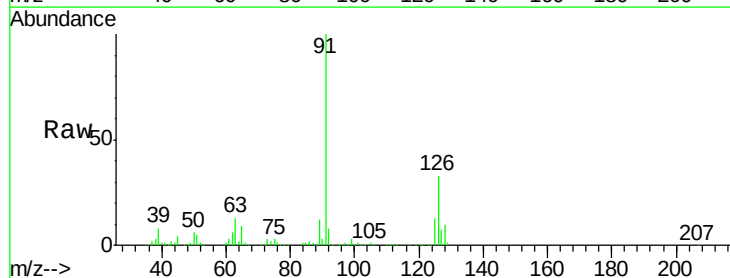
Manual Integrations
APPROVED

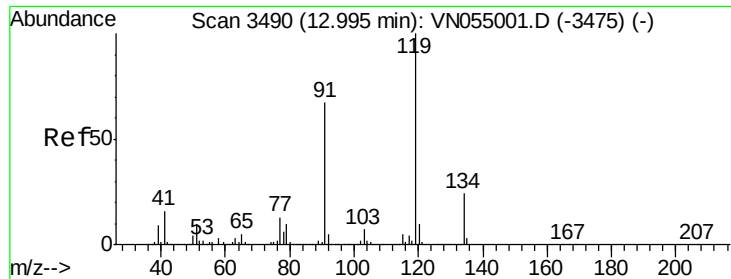
MMDadoda
4/17/2019 10:04:06 AM



#82
4-Chlorotoluene
Concen: 47.553 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055022.D
Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.4	49.2





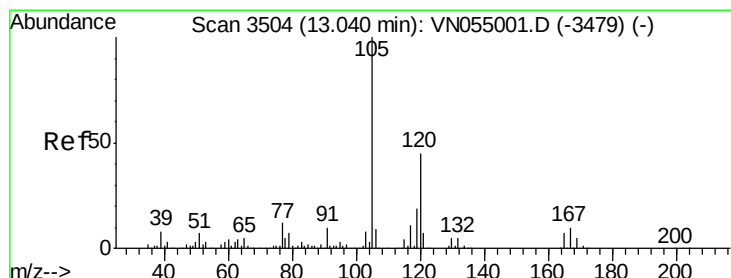
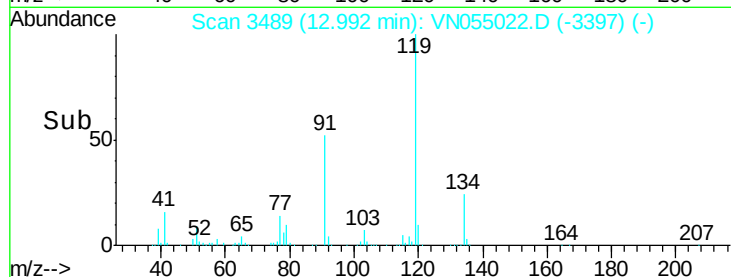
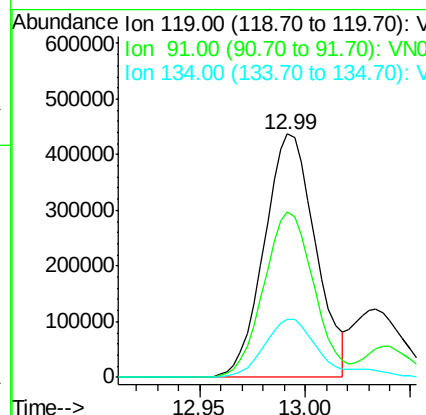
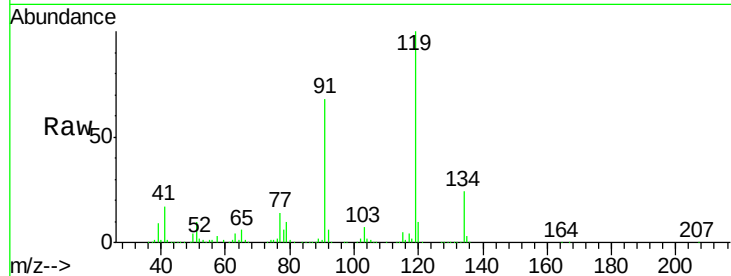
#83
 tert-Butylbenzene
 Concen: 45.477 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.3	99.8
134	26.4	12.3	36.9

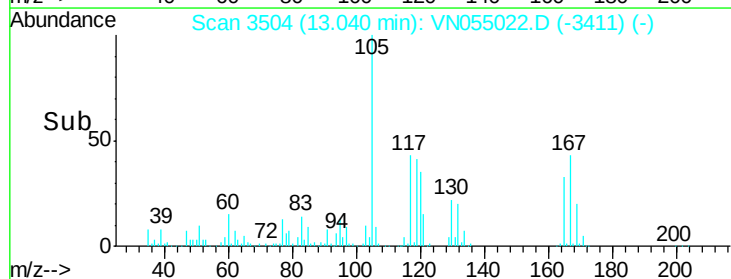
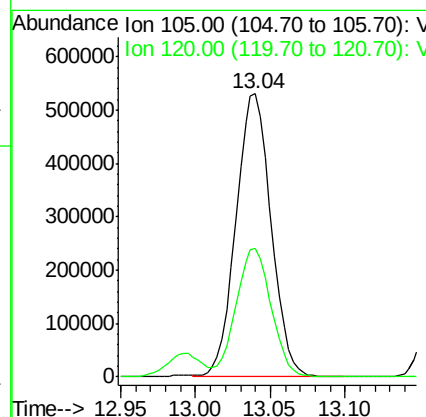
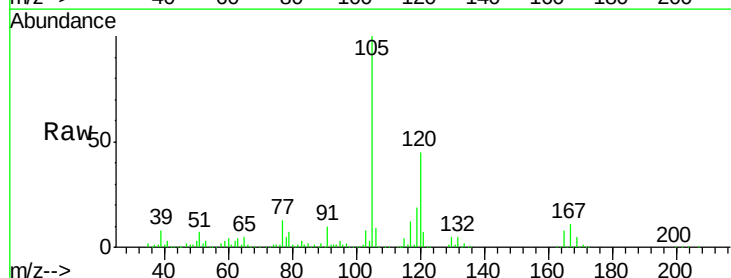
Manual Integrations
 APPROVED

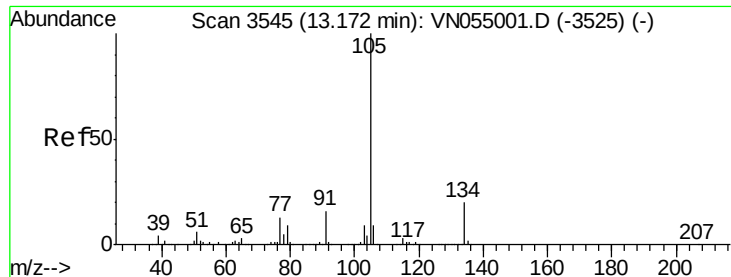
MMDadoda
 4/17/2019 10:04:06 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.707 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 46.589 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 964412

Ion Ratio Lower Upper

105 100

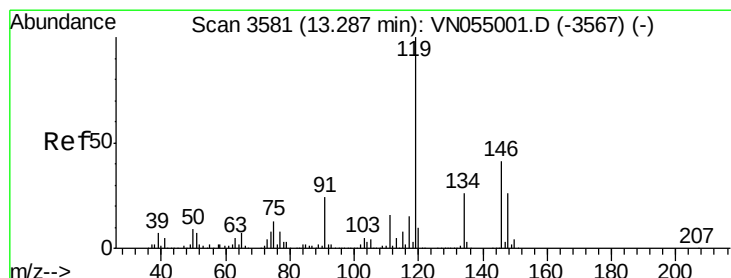
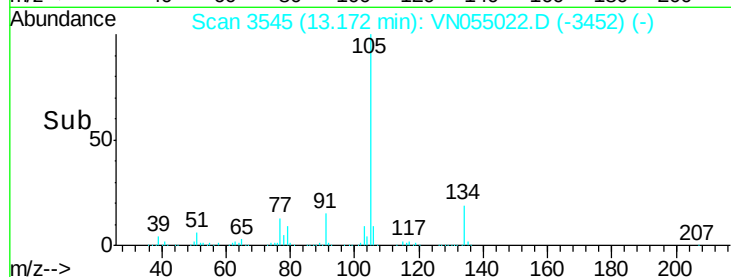
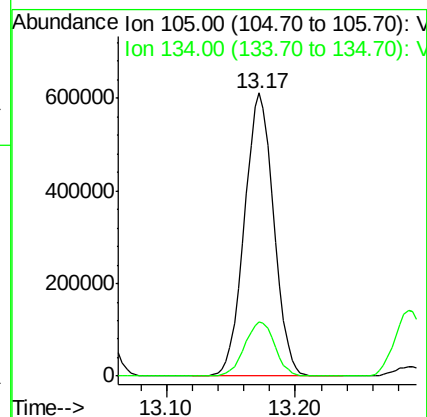
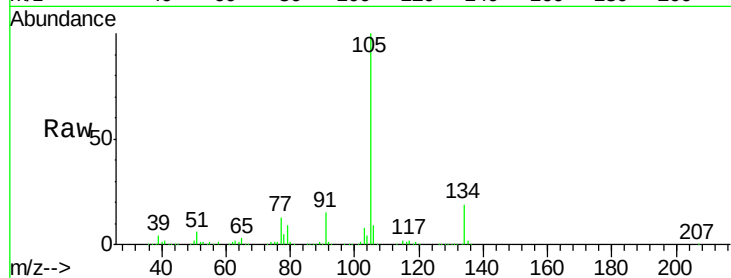
134 19.8 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

4/17/2019 10:04:06 AM



#86

p-Isopropyltoluene

Concen: 47.764 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

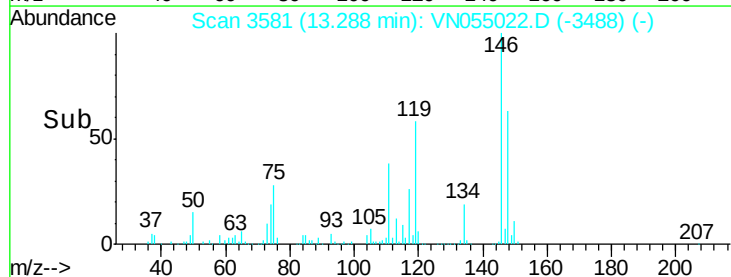
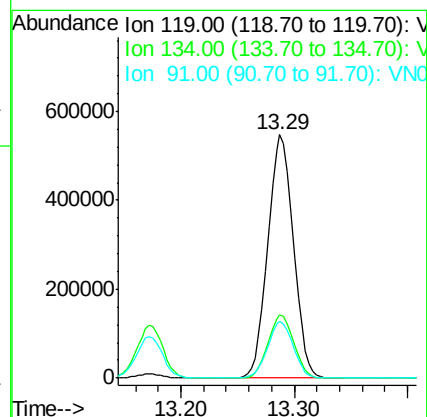
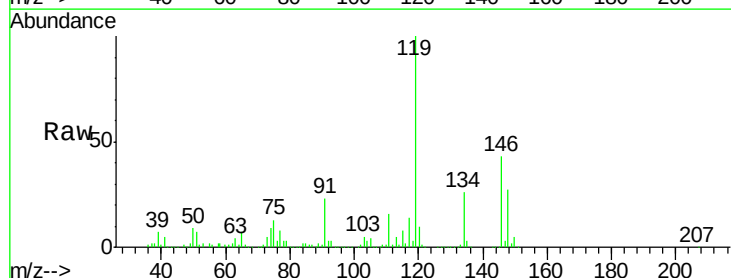
Tgt Ion:119 Resp: 860016

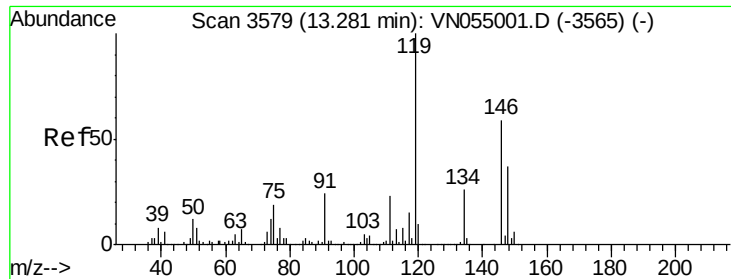
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.2 11.7 35.1





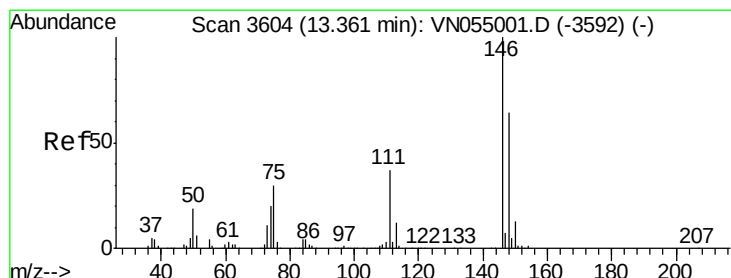
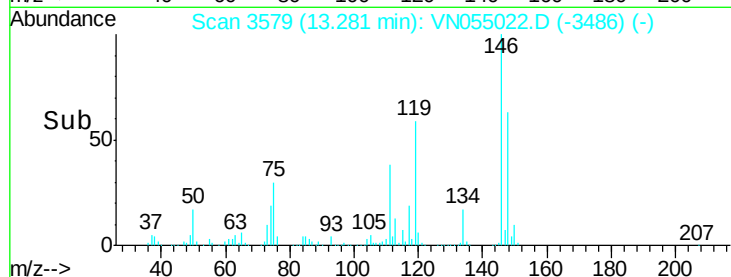
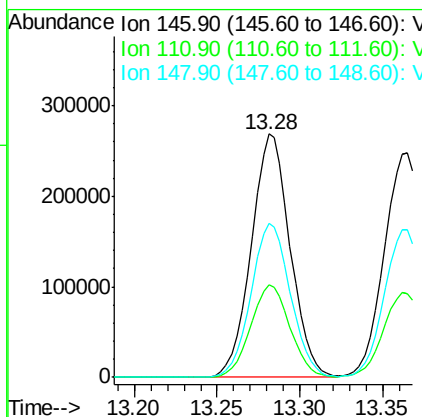
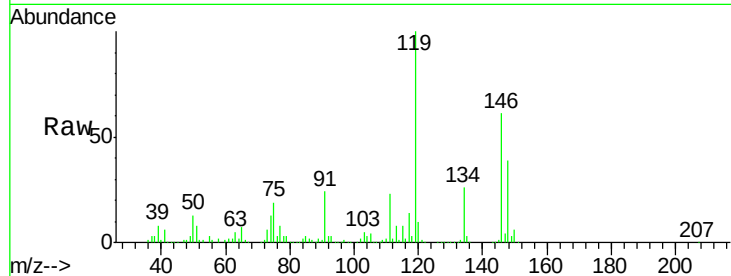
#87
 1,3-Dichlorobenzene
 Concen: 47.083 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.1	31.6	94.7

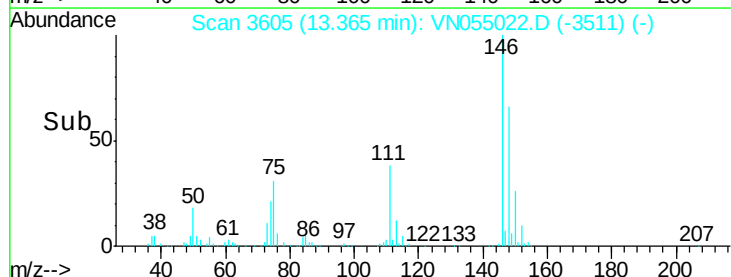
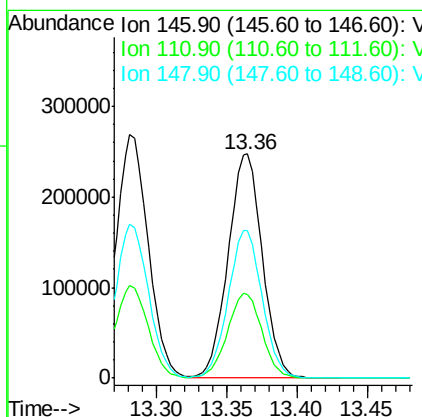
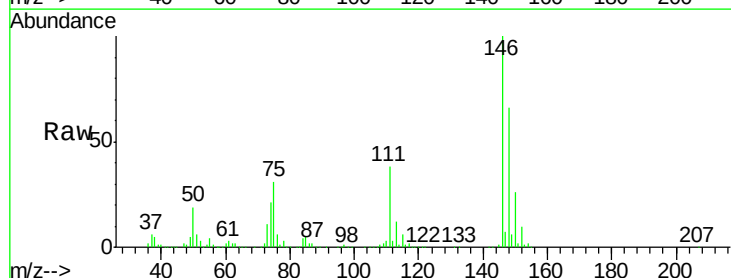
Manual Integrations
 APPROVED

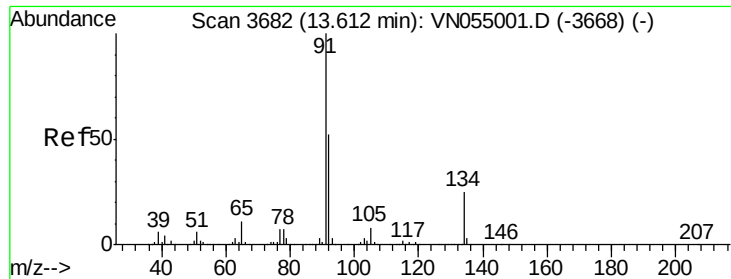
MMDadoda
 4/17/2019 10:04:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.394 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	65.4	32.4	97.2





#89

n-Butylbenzene

Concen: 50.312 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

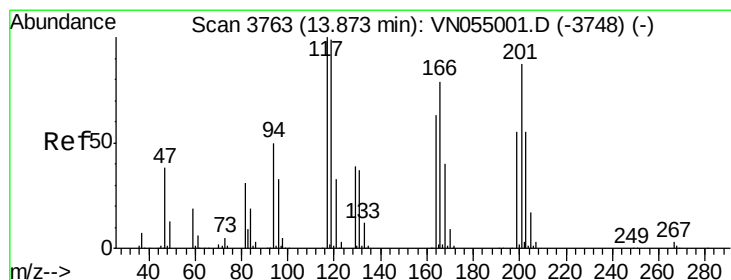
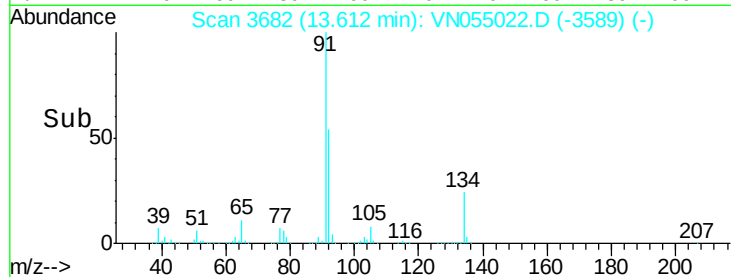
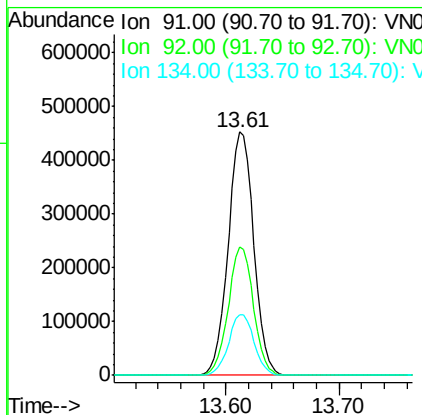
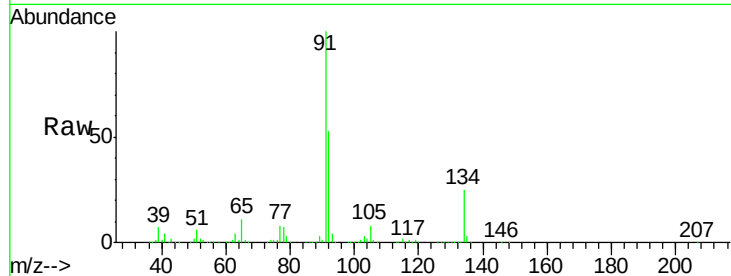
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	711469
Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	25.0	12.8	38.3

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#90

Hexachloroethane

Concen: 45.306 ug/l

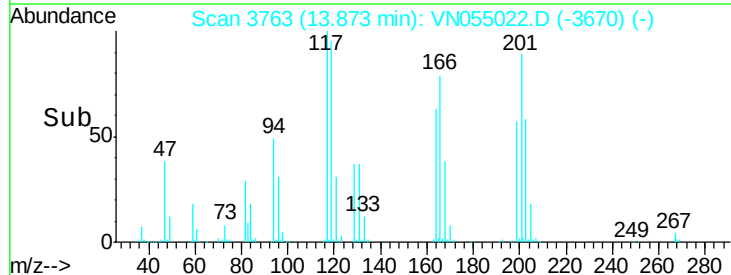
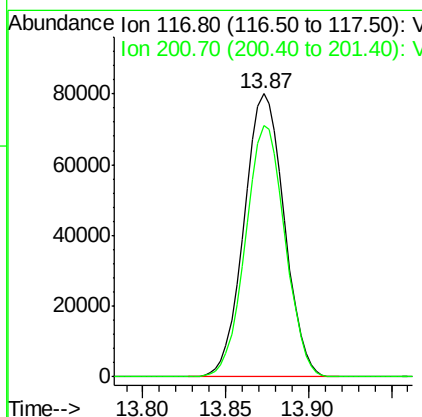
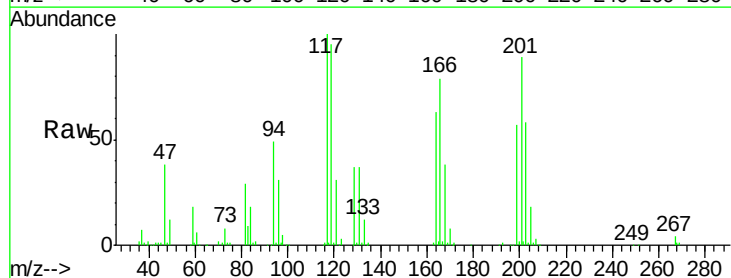
RT: 13.87 min Scan# 3763

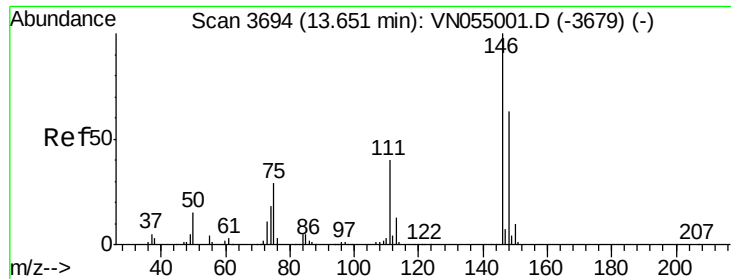
Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	117	Resp:	134797
Ion	Ratio	Lower	Upper
117	100		
201	87.4	43.4	130.2





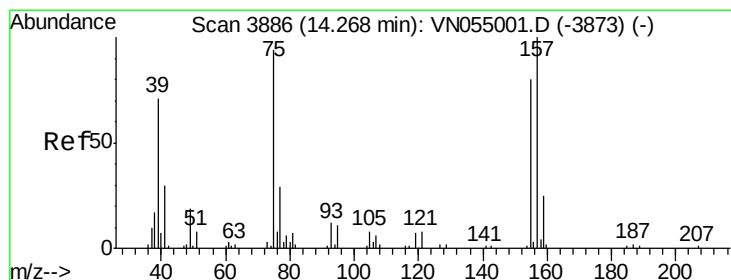
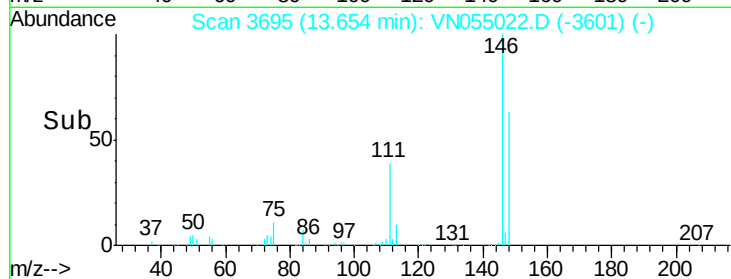
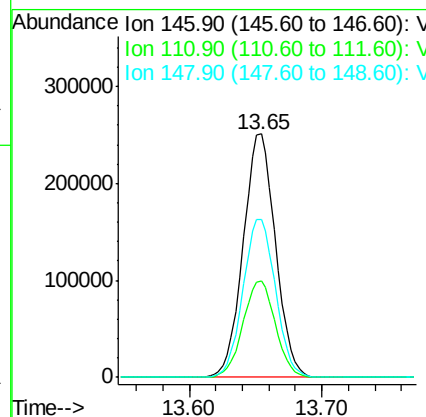
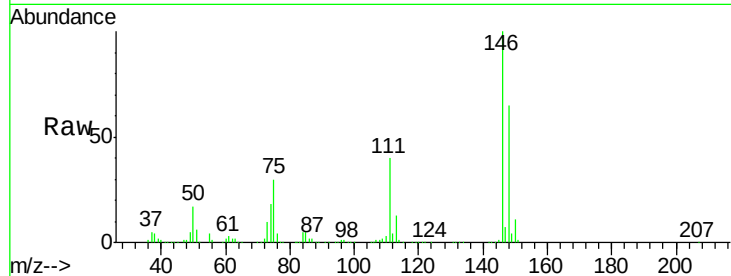
#91
 1,2-Dichlorobenzene
 Concen: 47.094 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	65.3	32.2	96.6

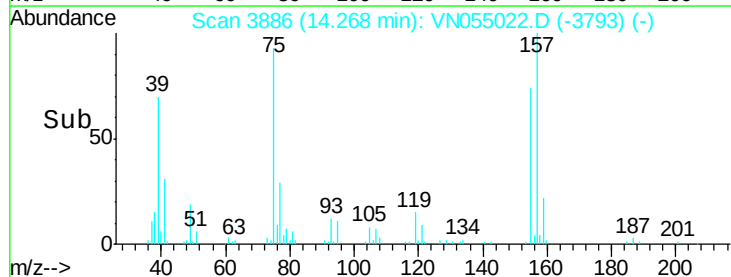
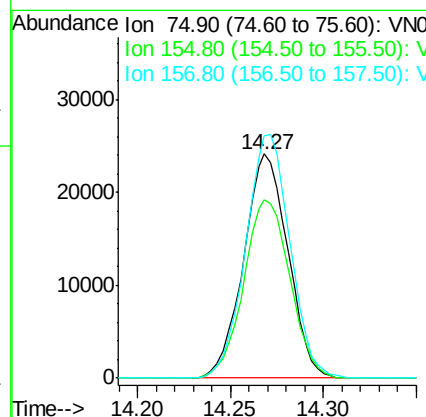
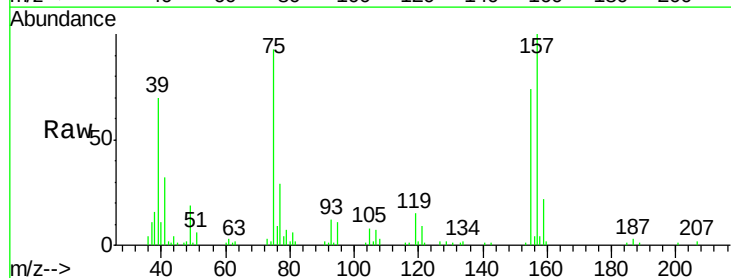
Manual Integrations
 APPROVED

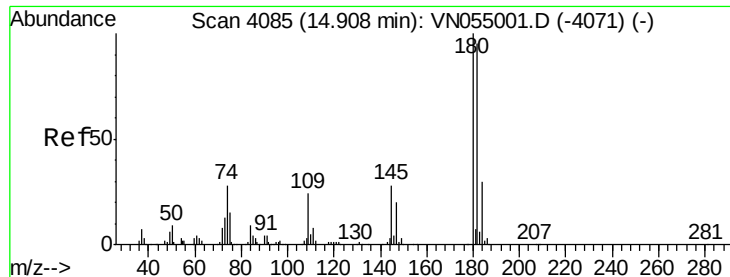
MMDadoda
 4/17/2019 10:04:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.180 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	42.0	126.0
157	108.8	52.1	156.4





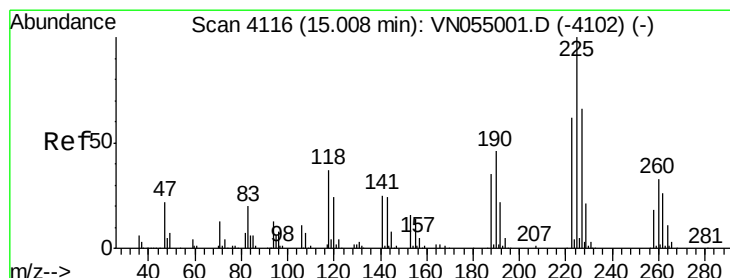
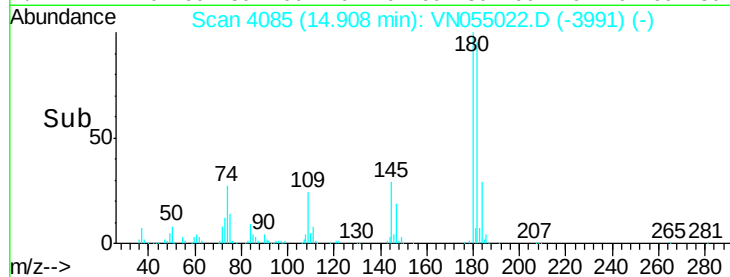
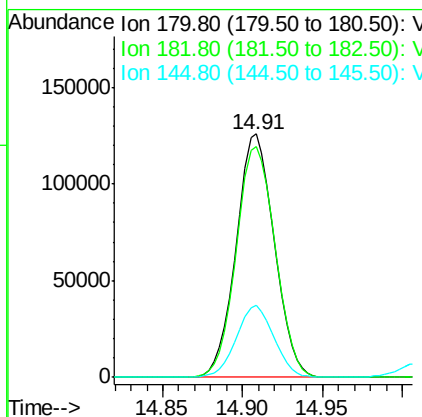
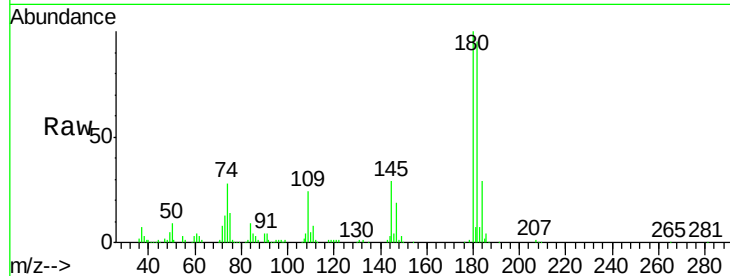
#93
 1,2,4-Trichlorobenzene
 Concen: 45.958 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	204418		
182	96.8	47.5	142.6	
145	29.1	14.2	42.8	

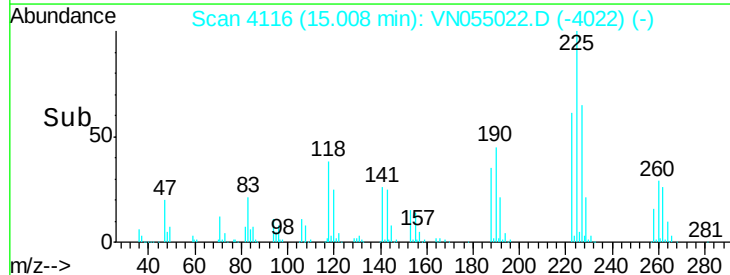
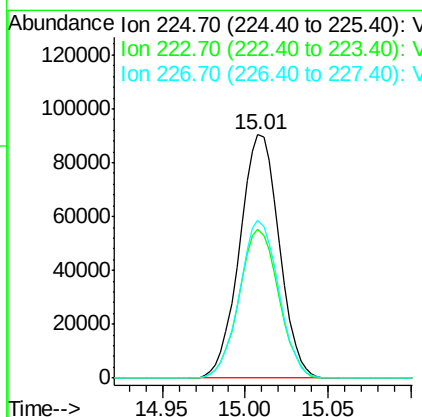
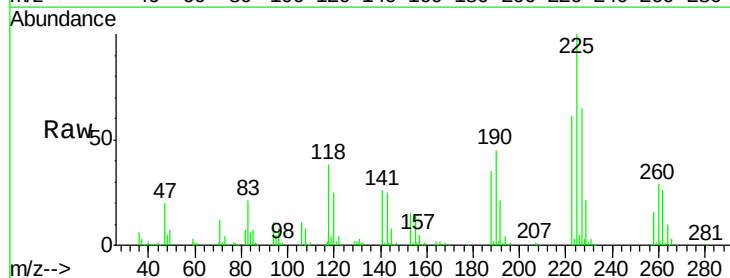
Manual Integrations
 APPROVED

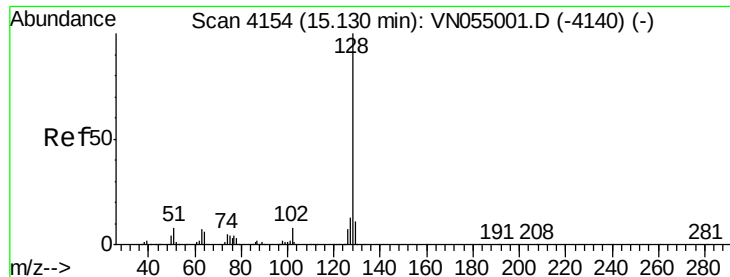
MMDadoda
 4/17/2019 10:04:06 AM



#94
 Hexachlorobutadiene
 Concen: 56.039 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055022.D
 Acq: 13 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149876		
223	61.3	31.4	94.0	
227	64.1	32.6	97.7	





#95

Naphthalene

Concen: 43.918 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Instrument :

MSVOA_N

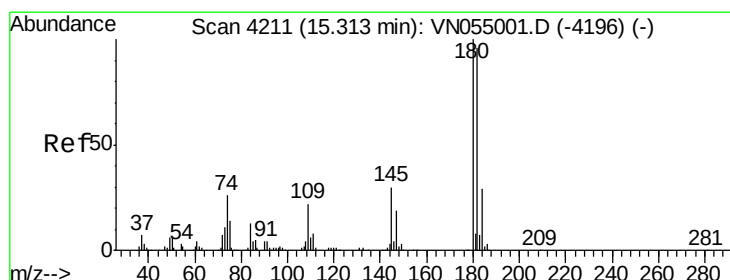
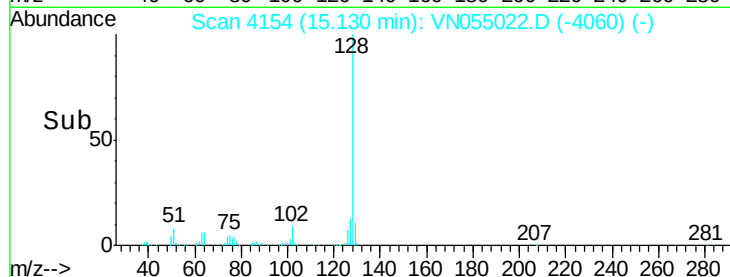
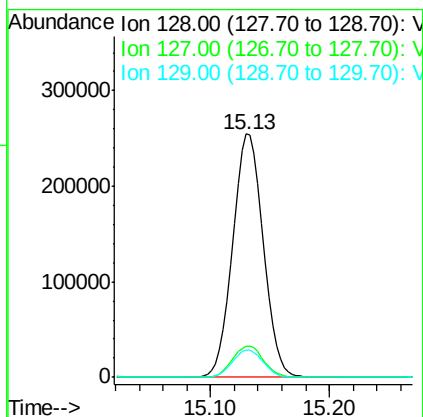
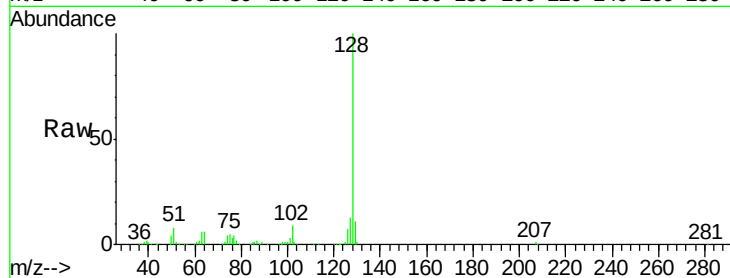
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	452353
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:04:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.176 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055022.D

Acq: 13 Apr 2019 11:10

Tgt Ion:	180	Resp:	208133
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.0	144.0
145	30.5	15.3	45.9

