

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051173.D
 Acq On : 14 Sep 2018 7:44
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

Quant Time: Sep 14 14:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	112946	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	619348	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	523681	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211358	29.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.73%
60) 4-Bromofluorobenzene	12.40	95	227018	29.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.17%
63) Toluene-d8	10.09	98	755626	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	110388	15.74	ug/l	99
3) Chloromethane	2.06	50	140978	17.02	ug/l	100
4) Vinyl Chloride	2.18	62	146733	17.93	ug/l	100
5) Bromomethane	2.57	94	84550	16.95	ug/l	98
6) Chloroethane	2.71	64	92106	19.08	ug/l	98
7) Trichlorofluoromethane	3.02	101	214978	19.82	ug/l	99
8) Diethyl Ether	3.41	74	70740	18.49	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138720	20.65	ug/l	98
10) 1,1-Dichloroethene	3.74	96	120512	19.75	ug/l	95
11) Methyl Iodide	3.95	142	90590	15.91	ug/l	98
12) Methyl Acetate	4.33	43	93897	13.31	ug/l	97
13) Acrolein	3.61	56	40600	259.81	ug/l	96
14) Acrylonitrile	4.99	53	189291	79.33	ug/l	98
15) Acetone	3.82	58	61879	101.35	ug/l	89
16) Carbon Disulfide	4.05	76	344398	18.77	ug/l	100
17) Allyl chloride	4.33	41	178422	18.58	ug/l	98
18) Methylene Chloride	4.55	84	140954	19.68	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129219	19.87	ug/l	96
20) Diisopropyl ether	5.95	45	396299	19.88	ug/l	99
21) 1,1-Dichloroethane	5.85	63	246731	20.19	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	146580	19.96	ug/l	99
23) tert-Butyl Alcohol	4.79	59	33910	66.83	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	302139	18.10	ug/l	99
25) Chloroform	7.37	83	250430	20.53	ug/l	98
26) Cyclohexane	7.65	56	195984	19.36	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	181890	19.62	ug/l	98
30) 2-Butanone	6.84	43	224628	78.75	ug/l	100
31) 2,2-Dichloropropane	6.82	77	199020	22.06	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	213868	20.34	ug/l	98
33) Carbon Tetrachloride	7.77	117	192640	20.34	ug/l	97
34) Benzene	8.04	78	558710	19.48	ug/l	99
35) Methacrylonitrile	7.17	41	44928	14.38	ug/l	96
36) 1,2-Dichloroethane	8.13	62	161918	18.66	ug/l	98
37) Trichloroethene	8.83	130	149516	19.94	ug/l	98
38) Methylcyclohexane	9.08	83	195015	19.58	ug/l	98
39) 1,2-Dichloropropane	9.12	63	146733	19.59	ug/l	98
40) Dibromomethane	9.21	93	84079	18.63	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051173.D
 Acq On : 14 Sep 2018 7:44
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

Quant Time: Sep 14 14:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	186785	19.63	ug/l	97
42) Vinyl Acetate	5.90	43	1183858	90.11	ug/l	99
43) Ethyl Acetate	6.93	43	95878	16.41	ug/l	95
44) Isopropyl Acetate	8.16	43	169581	16.45	ug/l	97
45) 1,4-Dioxane	9.20	88	22539	294.26	ug/l	99
46) Methyl methacrylate	9.20	41	78337	15.17	ug/l	98
47) n-amyl Acetate	12.07	43	111098	13.40	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	166483	17.85	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	203748	19.02	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	123591	18.85	ug/l	99
51) Ethyl methacrylate	10.43	69	130057	16.21	ug/l	97
52) 1,3-Dichloropropane	10.71	76	199851	18.40	ug/l	99
53) Dibromochloromethane	10.90	129	140144	18.80	ug/l	100
54) 1,2-Dibromoethane	11.00	107	111876	17.26	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	235376	70.51	ug/l	99
56) Bromoform	12.13	173	88951	16.77	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	455796	76.07	ug/l	99
59) 2-Hexanone	10.75	43	285075	72.79	ug/l	100
61) Tetrachloroethene	10.63	164	137138	21.02	ug/l	97
62) Toluene	10.16	91	599848	20.53	ug/l	100
64) Chlorobenzene	11.43	112	364370	20.12	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	143546	21.00	ug/l	99
66) Ethyl Benzene	11.51	91	590988	19.53	ug/l	99
67) m/p-Xylenes	11.62	106	470130	40.38	ug/l	99
68) o-Xylene	11.95	106	224464	20.18	ug/l	98
69) Styrene	11.96	104	344653	19.48	ug/l	100
70) Isopropylbenzene	12.25	105	594943	20.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	138408	17.29	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	115065m	16.66	ug/l	
73) Bromobenzene	12.53	156	149053	19.16	ug/l	95
74) n-propylbenzene	12.59	91	655261	19.60	ug/l	100
75) 2-Chlorotoluene	12.67	91	401852	19.79	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	487409	20.17	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29040	14.76	ug/l	99
78) 4-Chlorotoluene	12.77	91	376871	18.85	ug/l	98
79) tert-butylbenzene	12.99	119	413911	19.73	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	486037	20.18	ug/l	99
81) sec-Butylbenzene	13.17	105	548118	19.97	ug/l	99
82) p-Isopropyltoluene	13.29	119	466367	19.68	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244531	18.59	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	224429	18.01	ug/l	97
85) n-Butylbenzene	13.62	91	323188	17.87	ug/l	99
86) Hexachloroethane	13.87	117	91845	20.19	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	240449	18.58	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16194	14.46	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	77658	13.48	ug/l	100
90) Hexachlorobutadiene	15.01	225	82203	21.00	ug/l	99
91) Naphthalene	15.13	128	131036	15.85	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	83168	14.38	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051173.D
Acq On : 14 Sep 2018 7:44
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

Quant Time: Sep 14 14:47:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

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

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

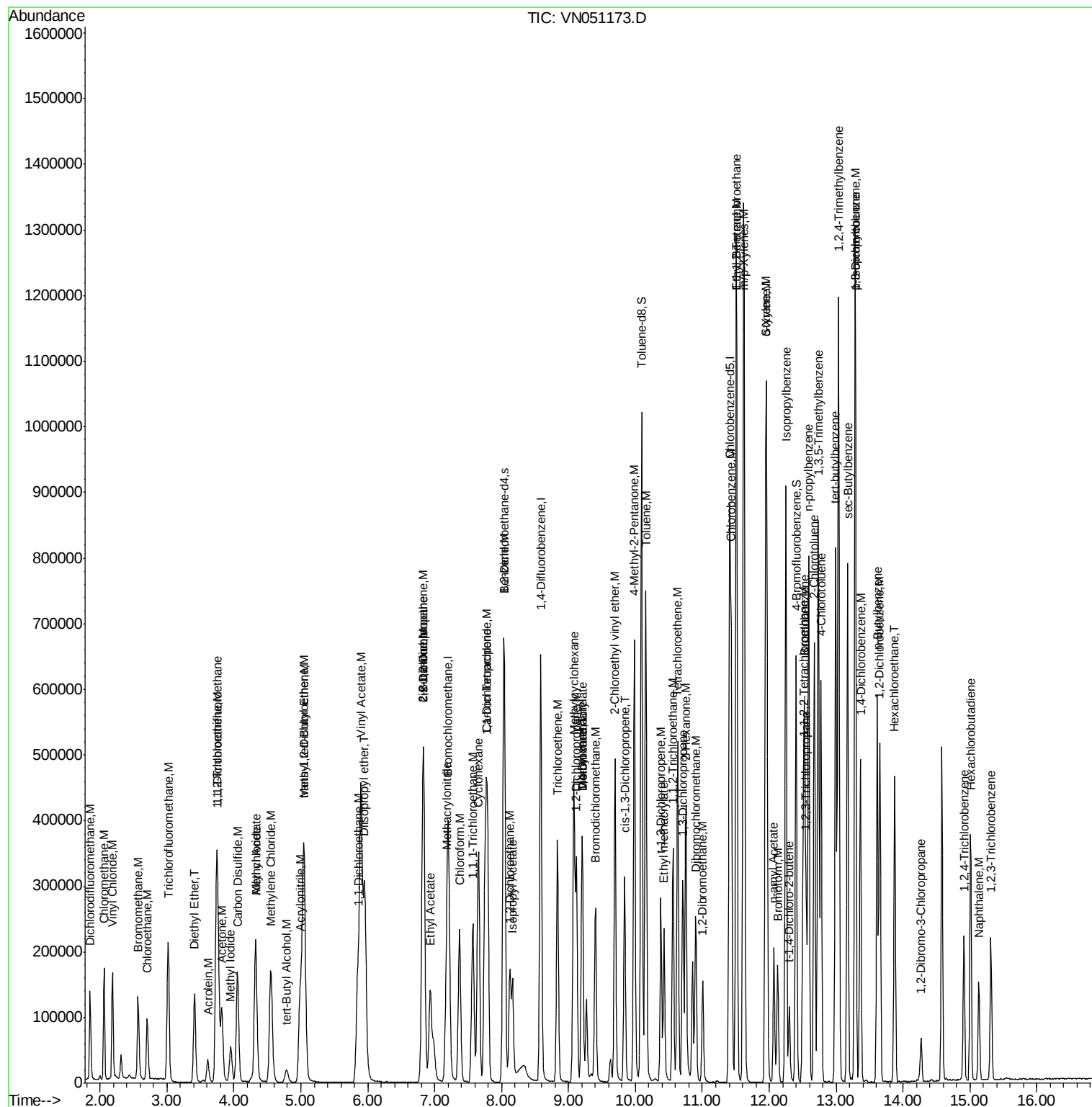
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051173.D
Acq On : 14 Sep 2018 7:44
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

Quant Time: Sep 14 14:47:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

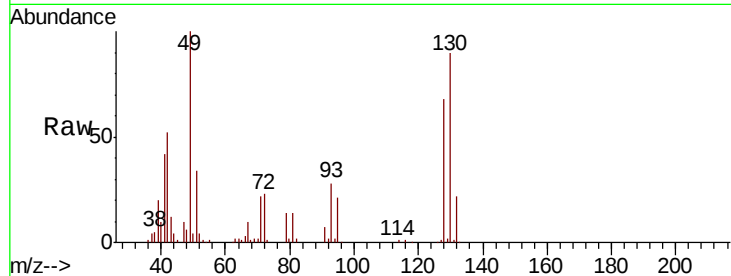
ClientSampleId :

VSTDCCC020

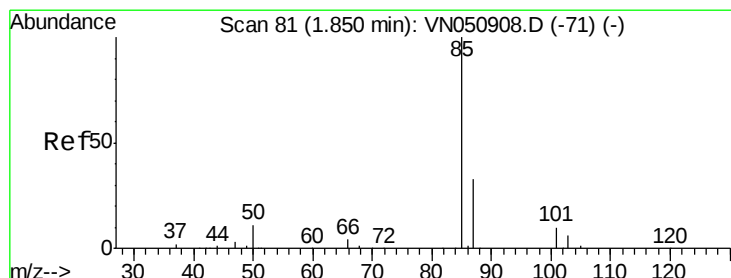
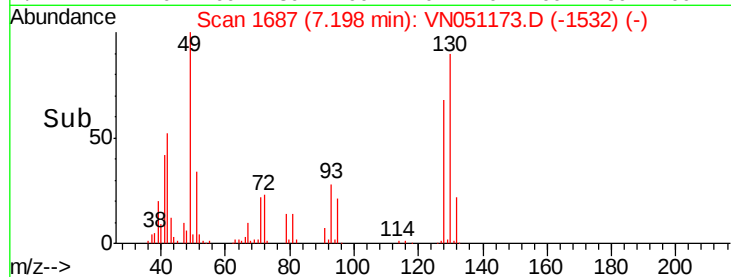
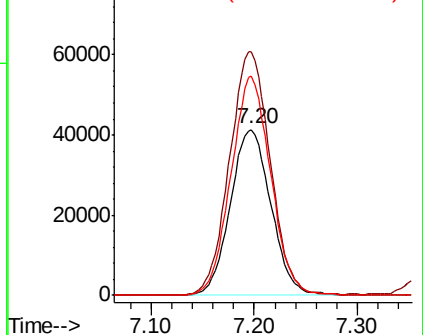
Tot Ion:	128	Resp:	112946
Ion	Ratio	Lower	Upper
128	100		
49	147.8	0.0	380.3
130	130.2	0.0	325.3

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.74 ug/l

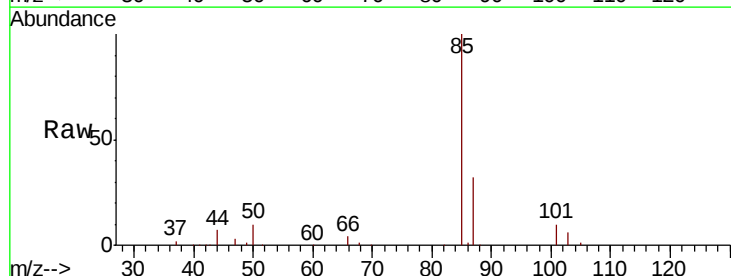
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

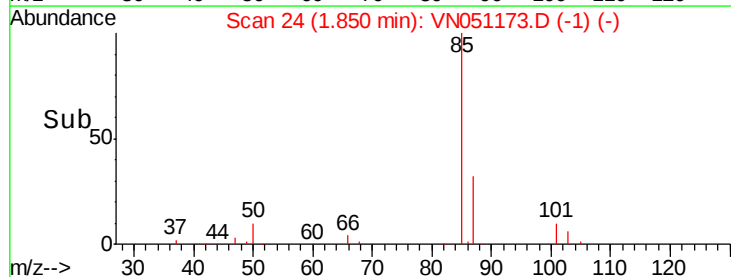
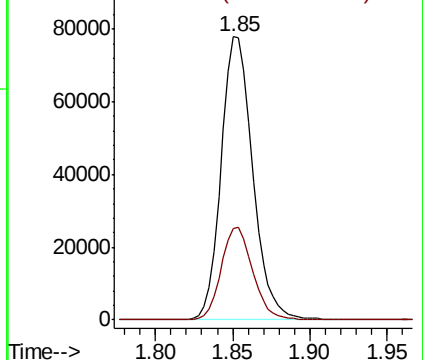
Lab File: VN051173.D

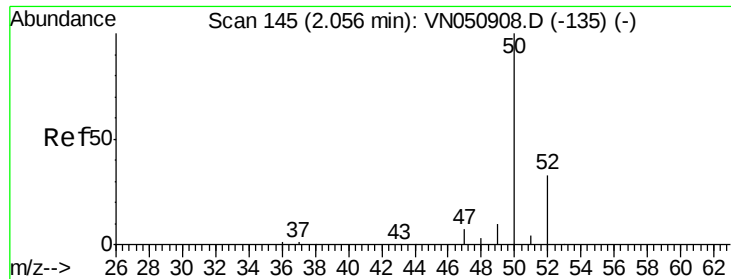
Acq: 14 Sep 2018 7:44

Tgt Ion:	85	Resp:	110388
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 17.02 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 140978

Ion Ratio Lower Upper

50 100

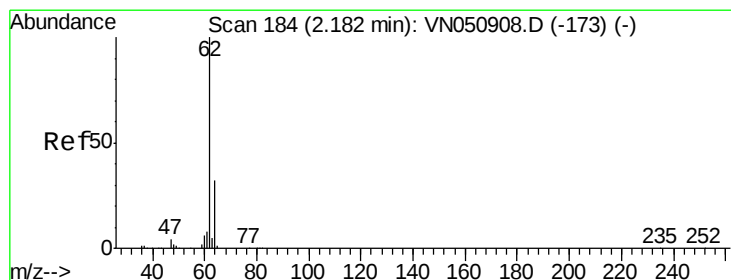
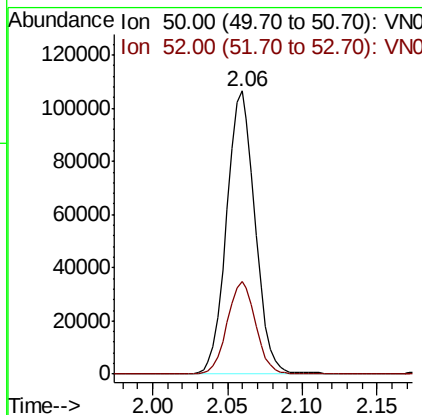
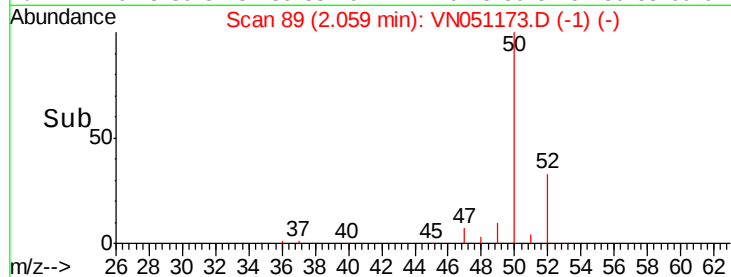
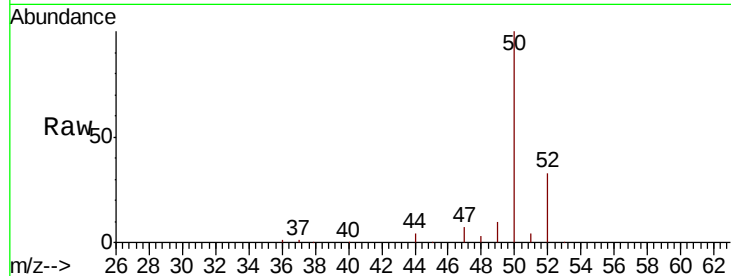
52 32.6 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:28 PM



#4

Vinyl Chloride

Concen: 17.93 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051173.D

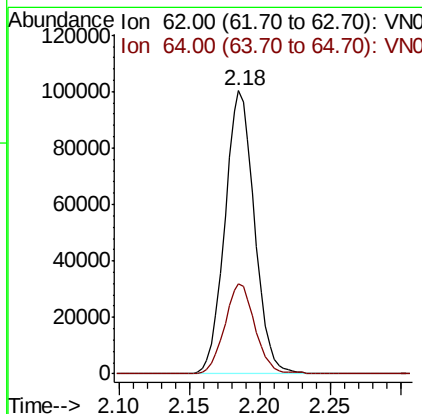
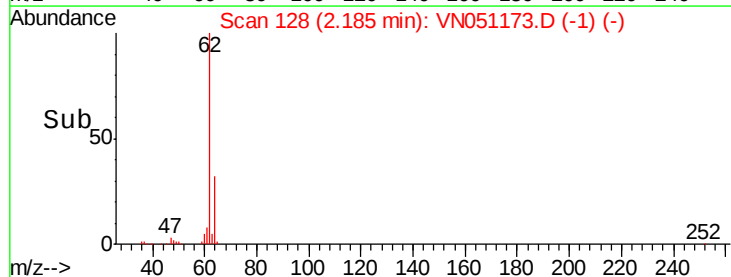
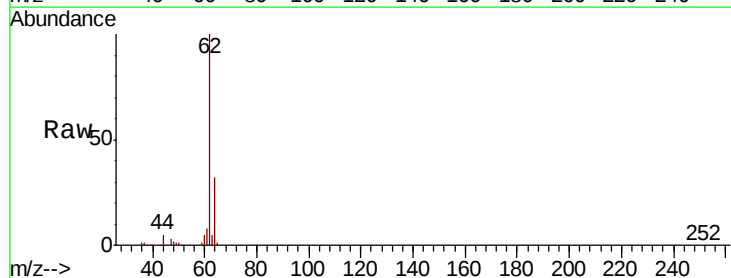
Acq: 14 Sep 2018 7:44

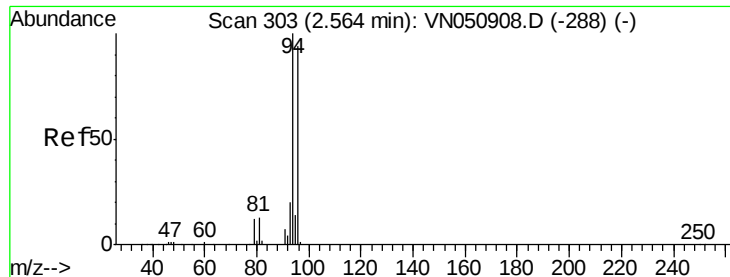
Tgt Ion: 62 Resp: 146733

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 16.95 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 84550

Ion Ratio Lower Upper

94 100

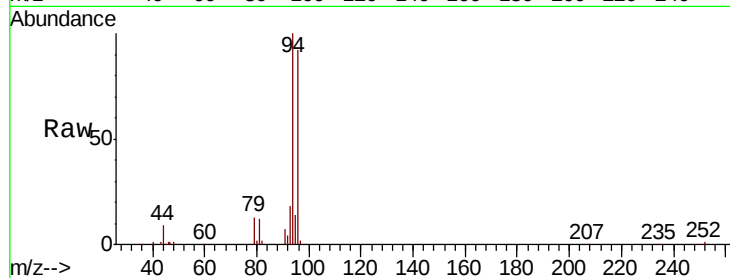
96 91.5 74.9 112.3

Manual Integrations

APPROVED

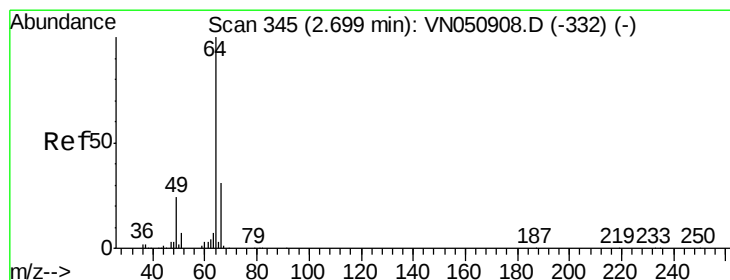
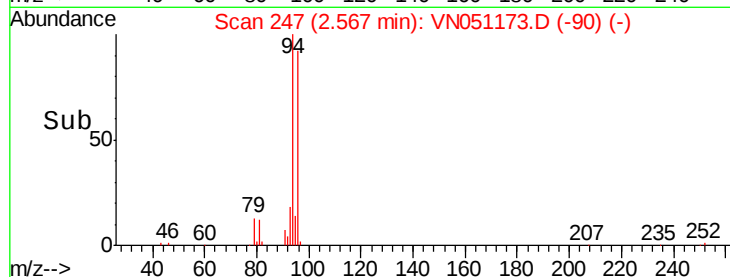
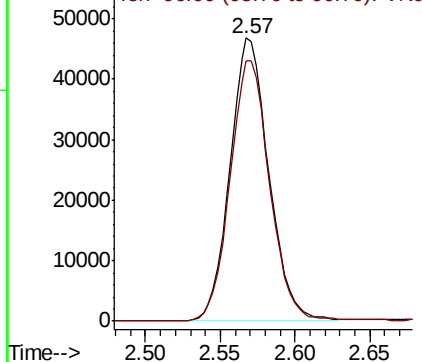
MMDadoda

9/17/2018 1:39:28 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.08 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051173.D

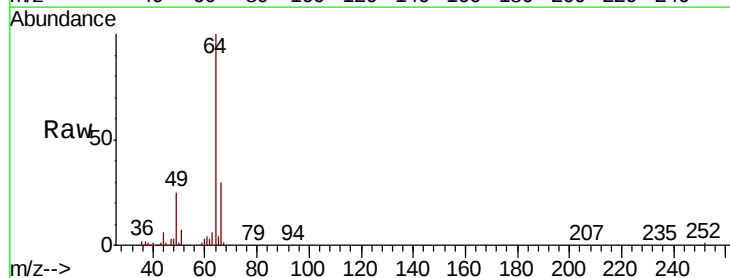
Acq: 14 Sep 2018 7:44

Tgt Ion: 64 Resp: 92106

Ion Ratio Lower Upper

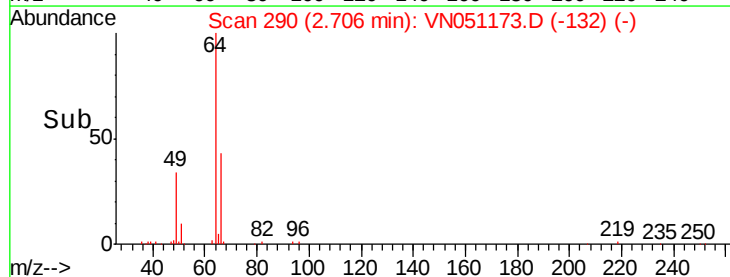
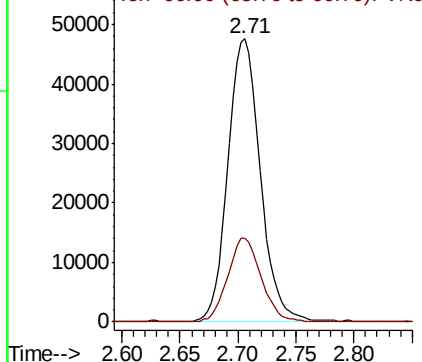
64 100

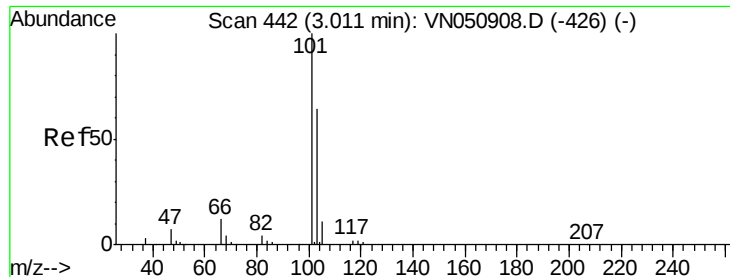
66 29.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

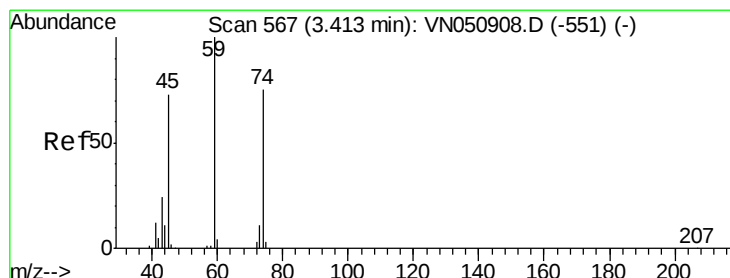
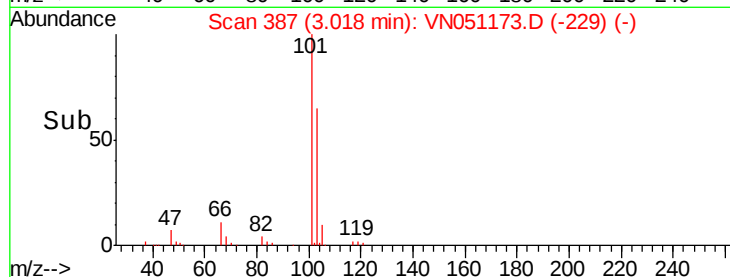
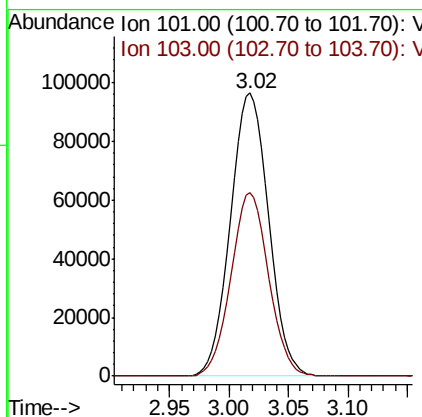
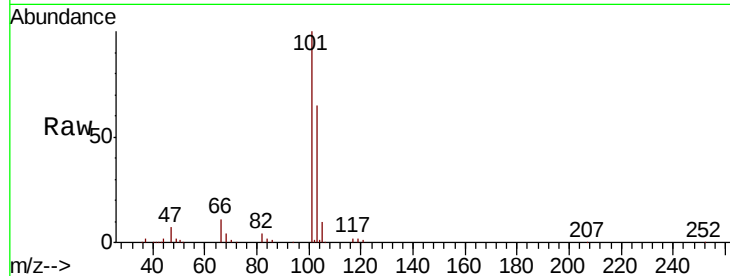
Trichlorofluoromethane
 Concen: 19.82 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.3	76.9

Manual Integrations
 APPROVED

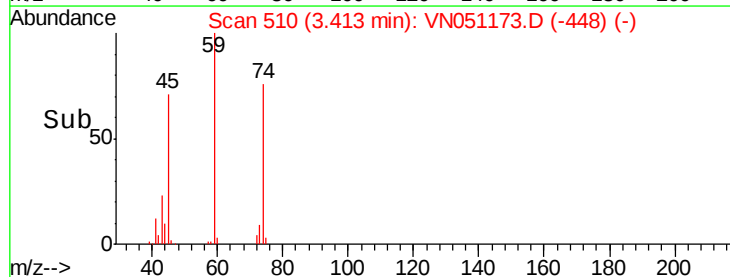
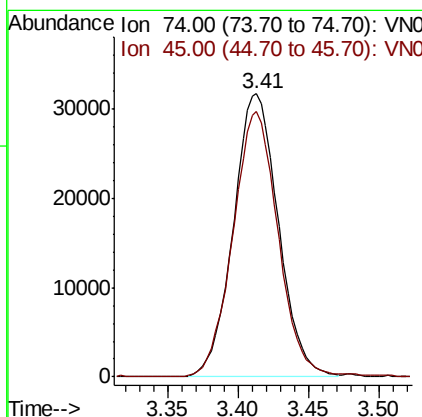
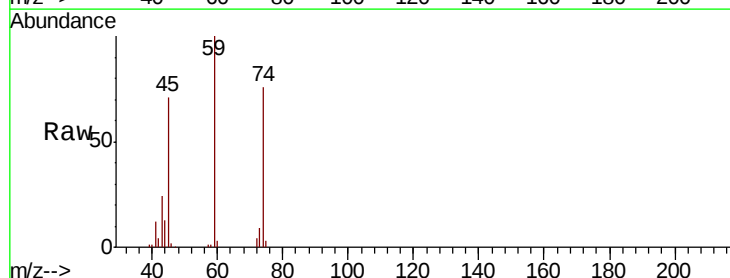
MMDadoda
 9/17/2018 1:39:28 PM

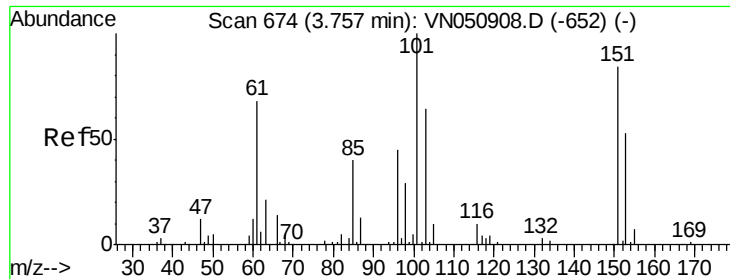


#8

Diethyl Ether
 Concen: 18.49 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	19.7	177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.65 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

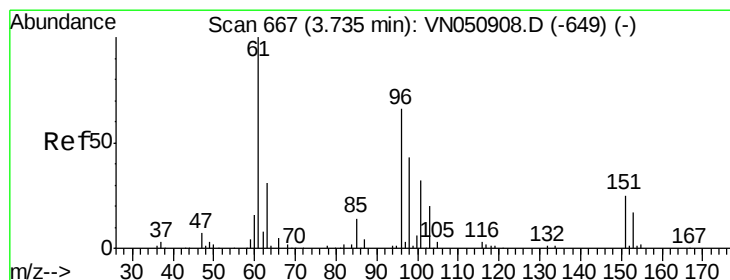
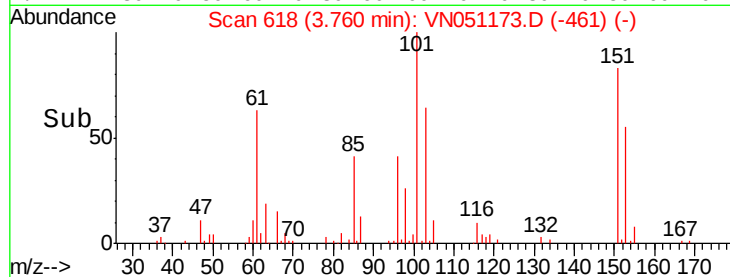
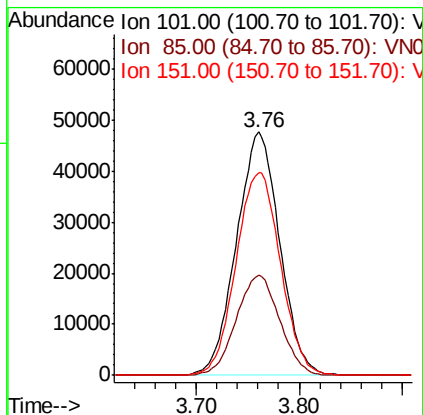
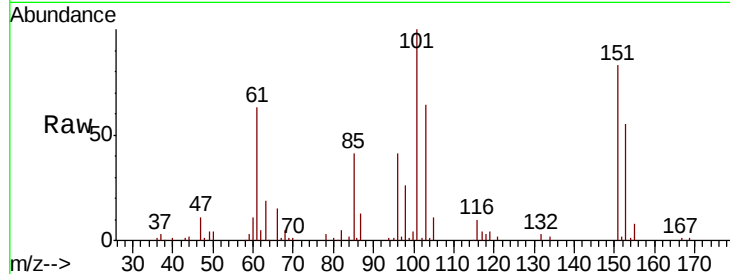
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	138720
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	83.6
151	85.6	0.0	167.0

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#10

1,1-Dichloroethene

Concen: 19.75 ug/l

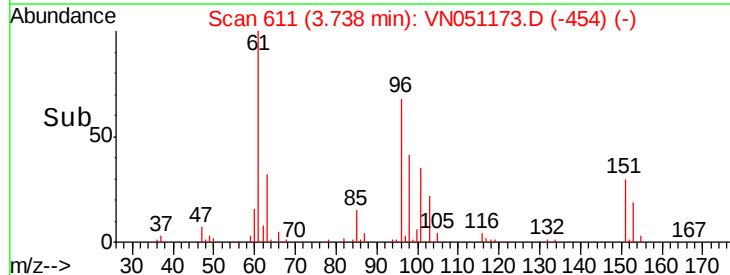
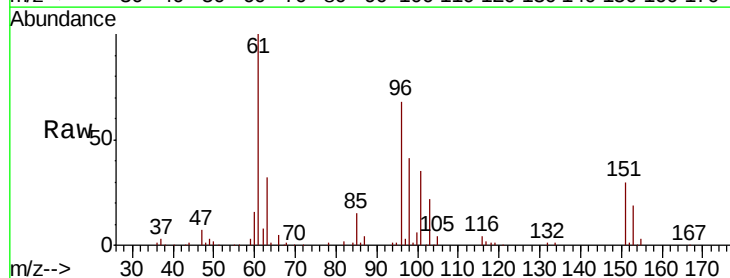
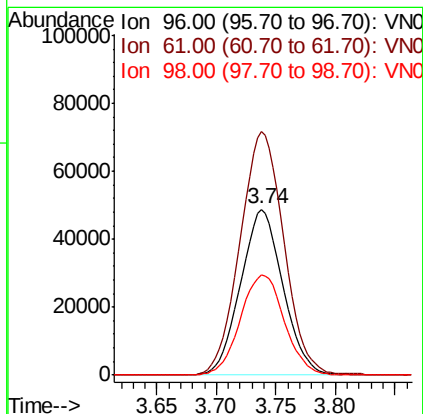
RT: 3.74 min Scan# 611

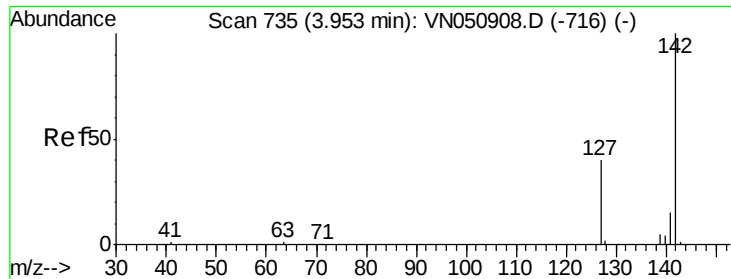
Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	96	Resp:	120512
Ion Ratio	Lower	Upper	
96	100		
61	147.1	121.8	182.8
98	60.3	52.3	78.5





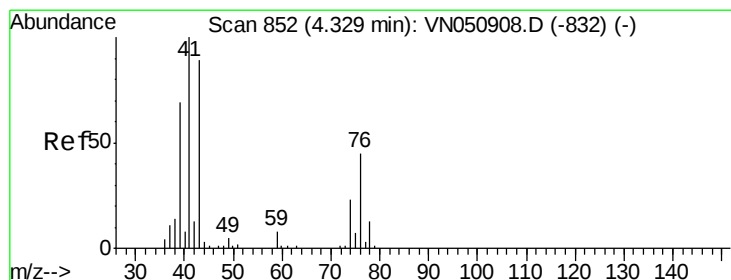
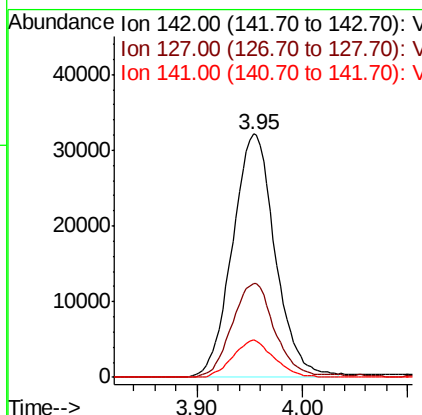
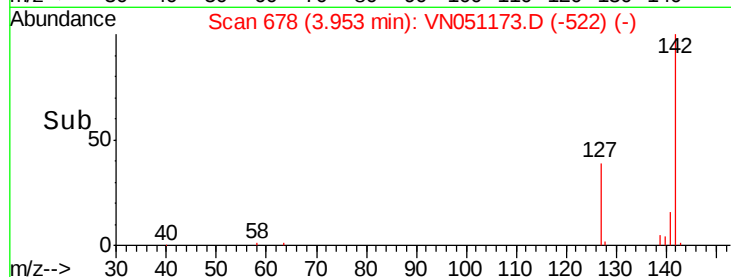
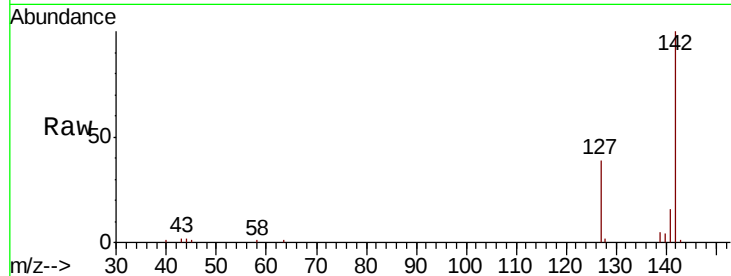
#11
Methyl Iodide
Concen: 15.91 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.7	59.1
141	15.6	7.3	22.0

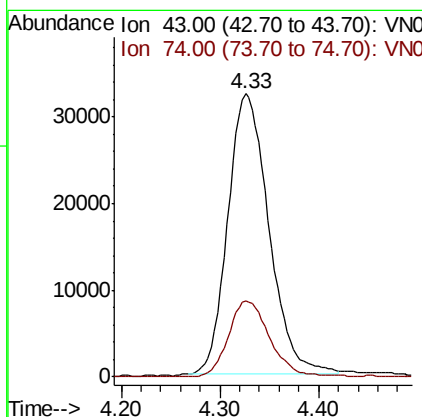
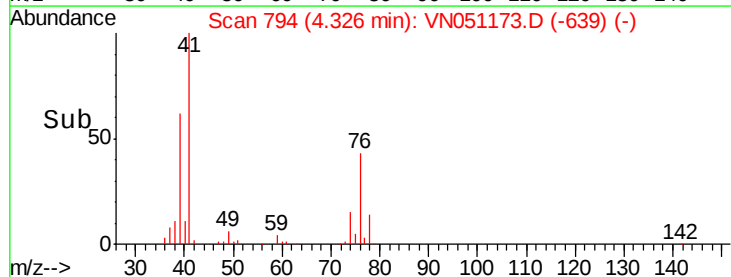
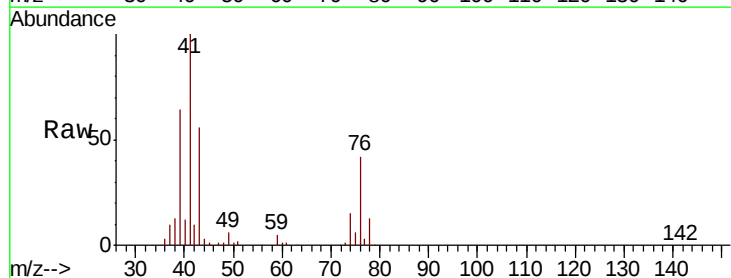
Manual Integrations
APPROVED

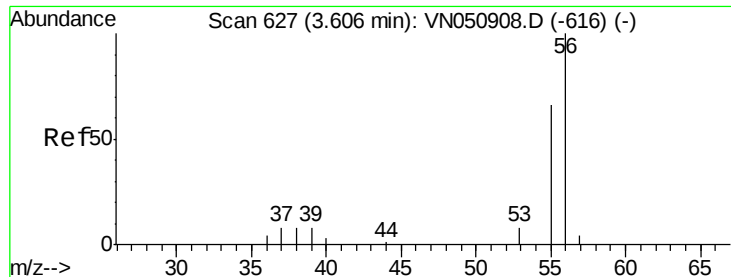
MMDadoda
9/17/2018 1:39:28 PM



#12
Methyl Acetate
Concen: 13.31 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	20.6	31.0





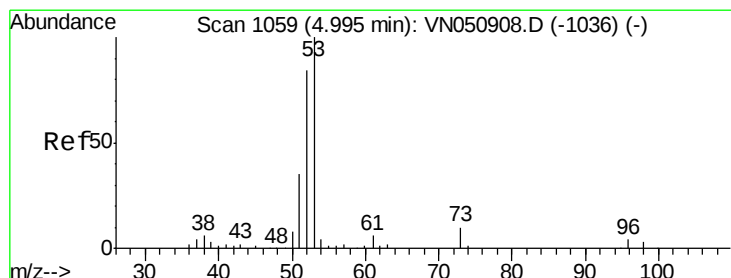
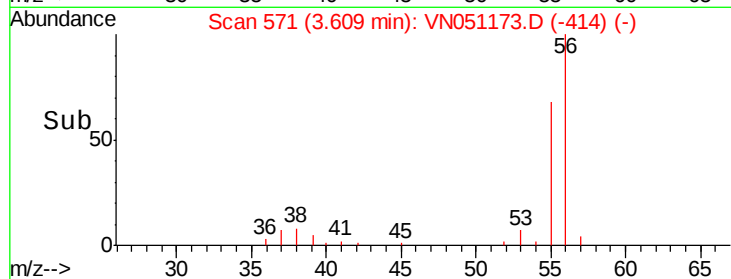
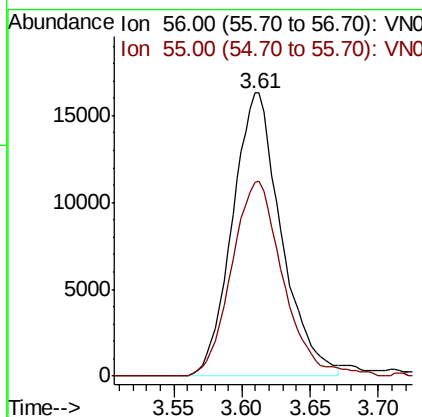
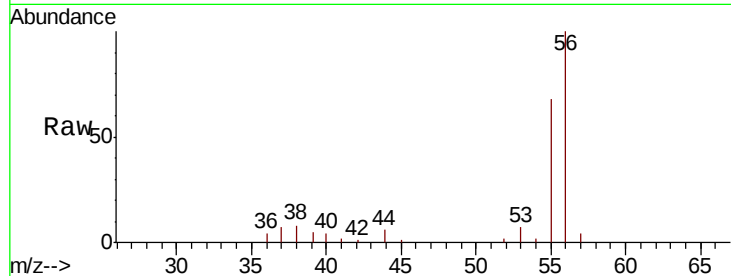
#13
Acrolein
Concen: 259.81 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 56 Resp: 40600
Ion Ratio Lower Upper
56 100
55 70.4 59.1 88.7

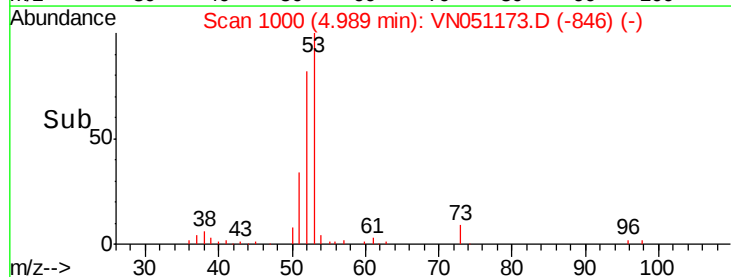
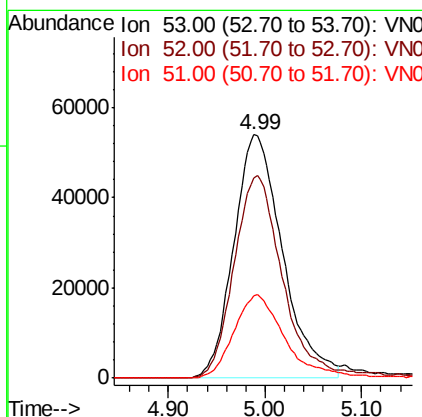
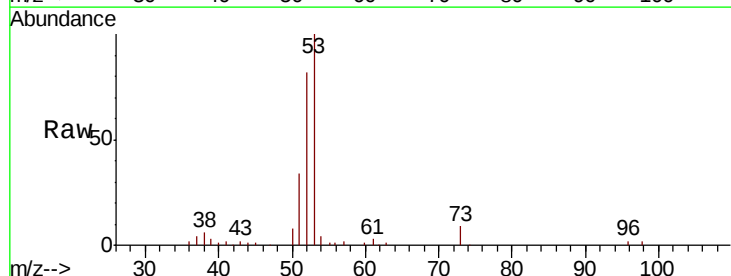
Manual Integrations
APPROVED

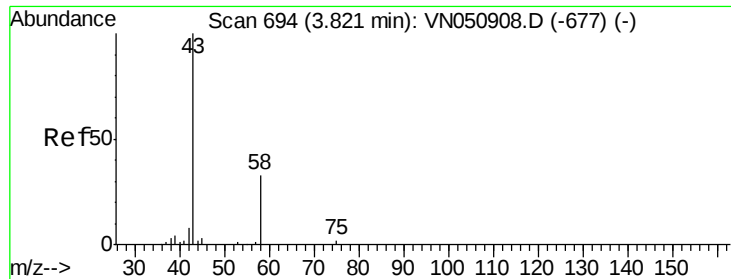
MMDadoda
9/17/2018 1:39:28 PM



#14
Acrylonitrile
Concen: 79.33 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 53 Resp: 189291
Ion Ratio Lower Upper
53 100
52 82.5 42.2 126.6
51 35.9 17.7 53.1





#15

Acetone

Concen: 101.35 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 61879

Ion Ratio Lower Upper

58 100

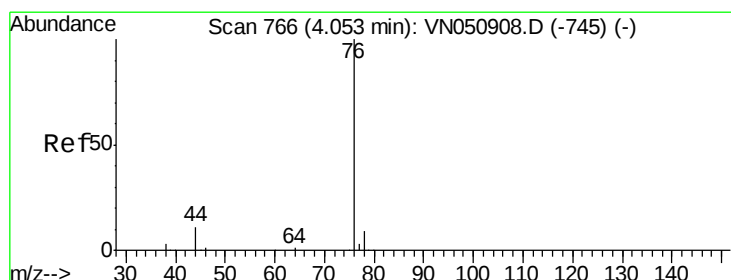
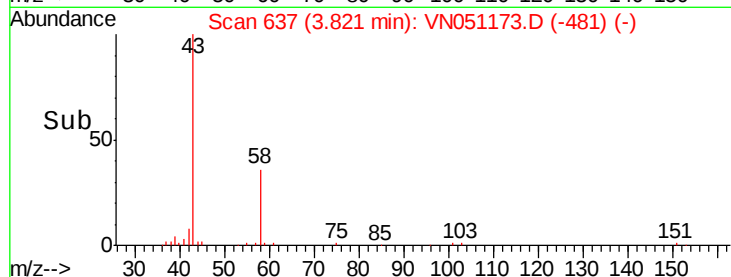
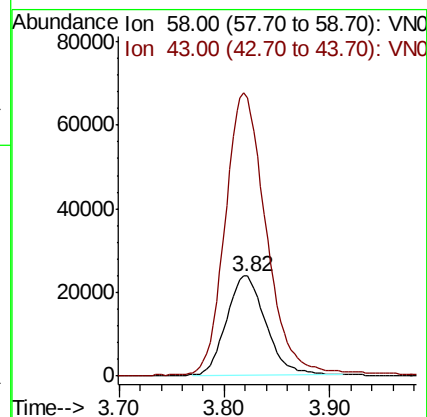
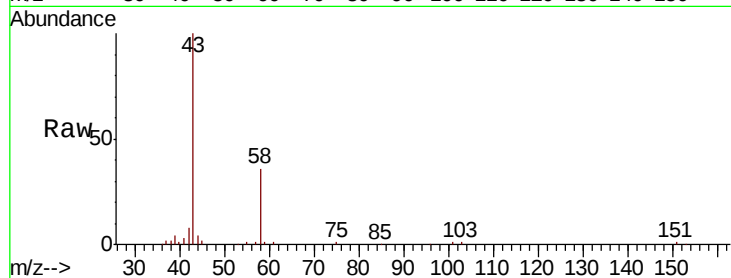
43 277.5 239.4 359.0

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:28 PM



#16

Carbon Disulfide

Concen: 18.77 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051173.D

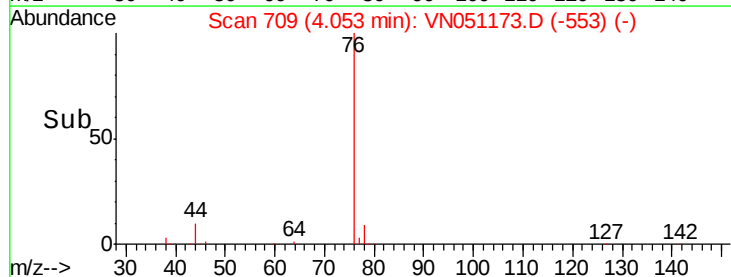
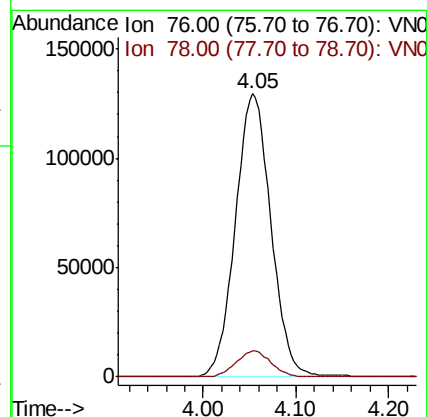
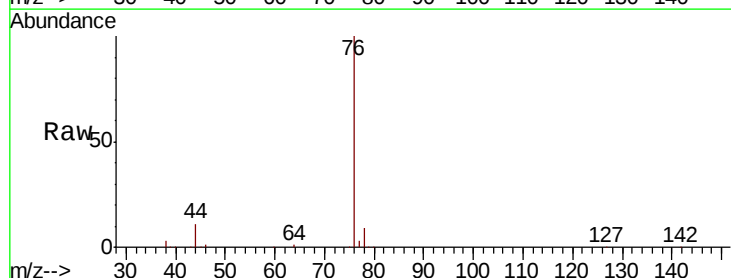
Acq: 14 Sep 2018 7:44

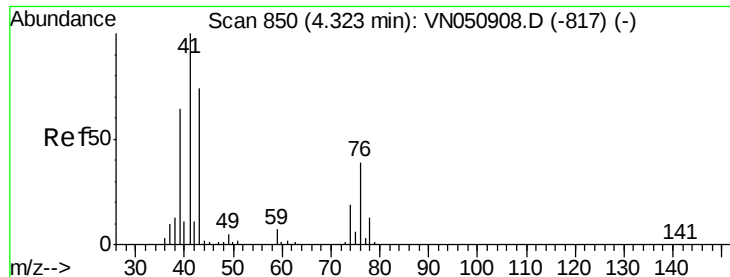
Tgt Ion: 76 Resp: 344398

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allvl chloride

Concen: 18.58 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

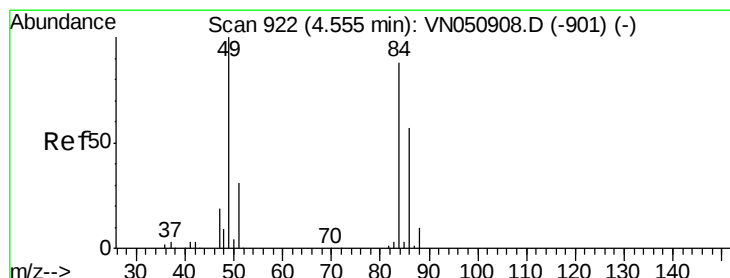
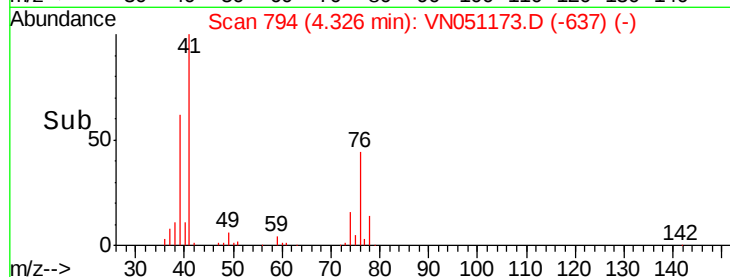
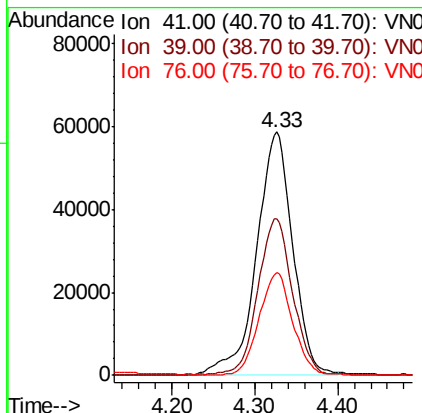
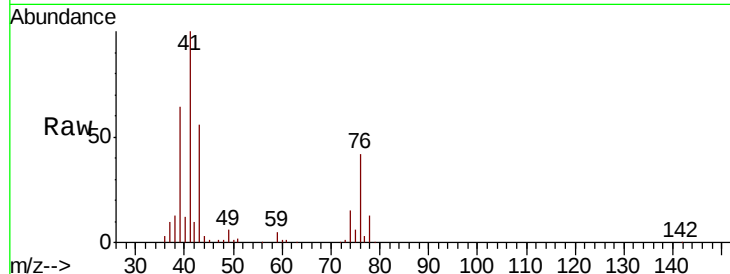
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	178422
Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.2	96.6
76	41.7	19.6	58.7

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#18

Methylene Chloride

Concen: 19.68 ug/l

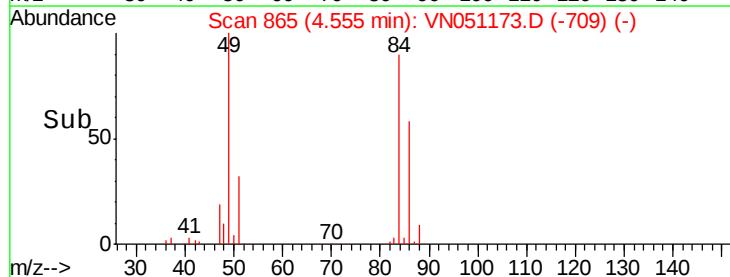
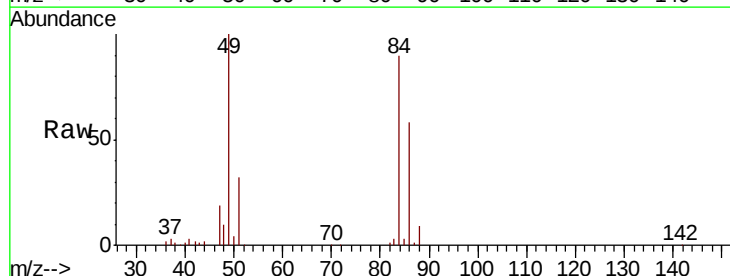
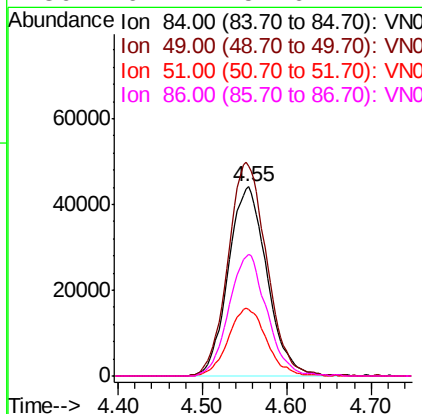
RT: 4.55 min Scan# 865

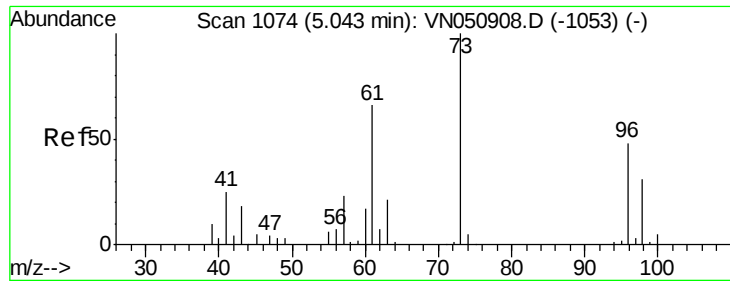
Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	84	Resp:	140954
Ion	Ratio	Lower	Upper
84	100		
49	111.4	90.6	135.8
51	35.4	28.4	42.6
86	64.2	51.6	77.4





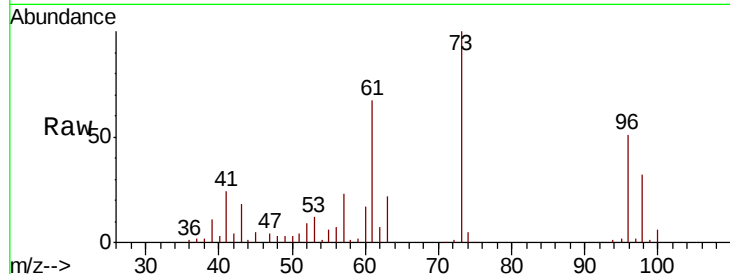
#19
trans-1,2-Dichloroethene
Concen: 19.87 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	109.5	164.3
98	61.6	51.9	77.9

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

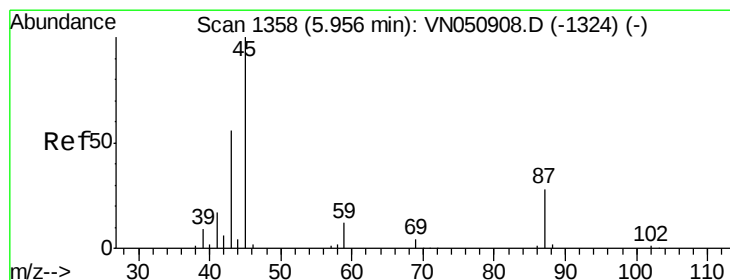
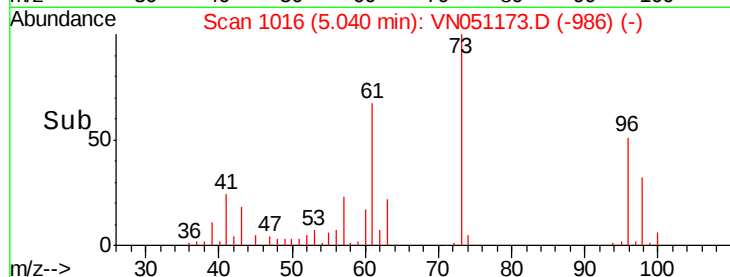
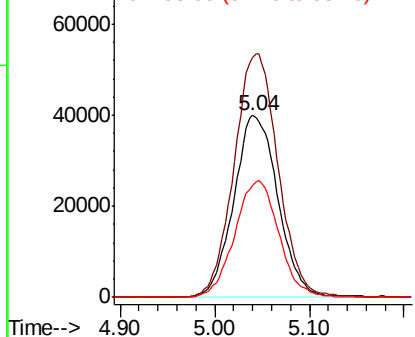


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.88 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	47.0	70.6
87	29.8	22.8	34.2
59	11.9	9.5	14.3

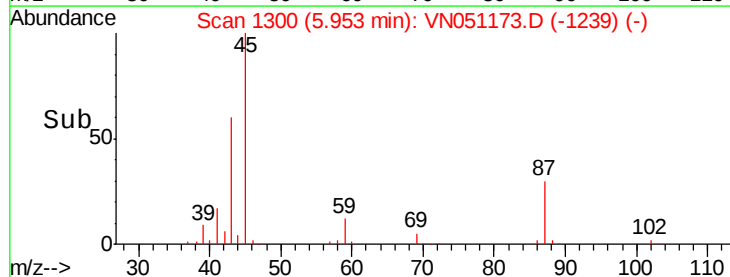
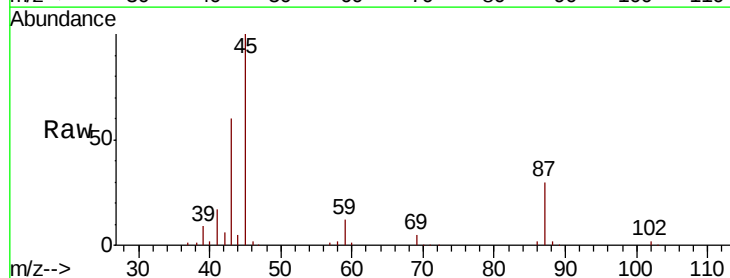
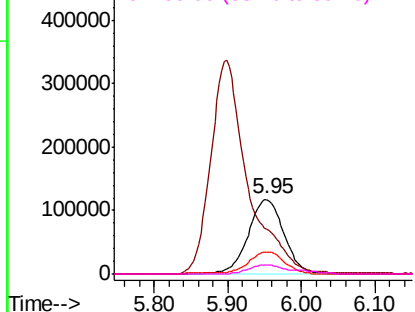
Abundance

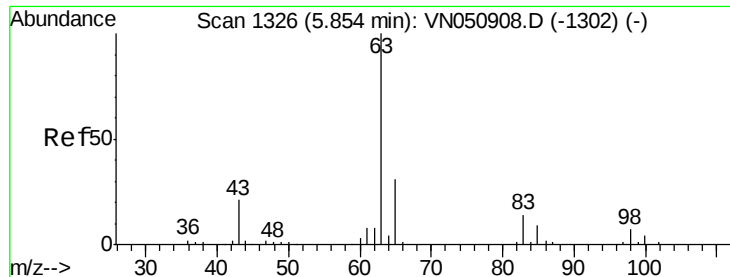
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





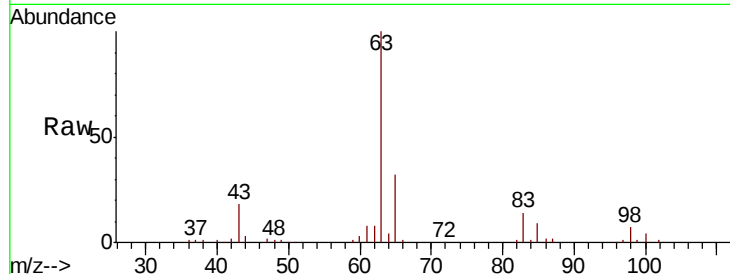
#21
 1,1-Dichloroethane
 Concen: 20.19 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

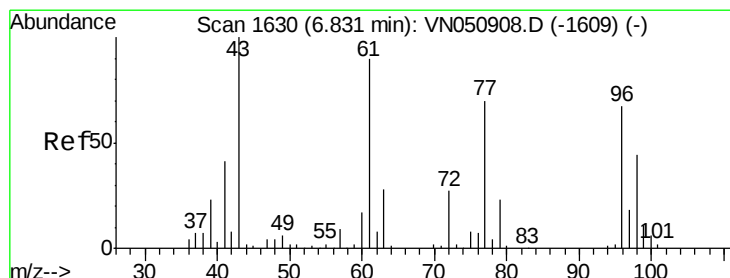
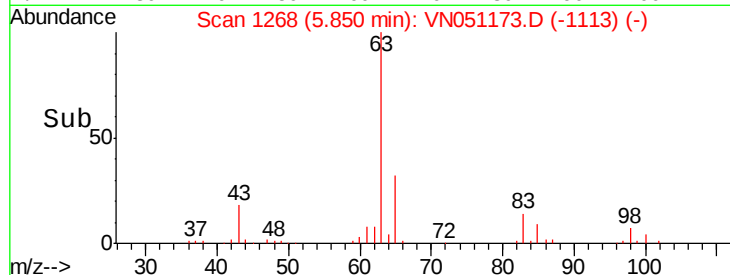
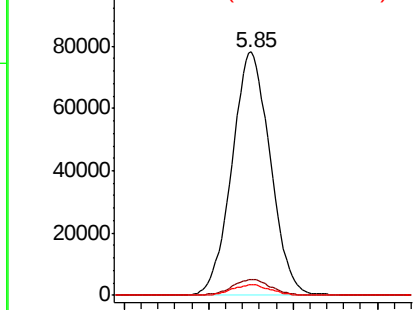
Tot Ion:	63	Resp:	246731
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.3	9.9
100	4.5	2.0	6.0

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

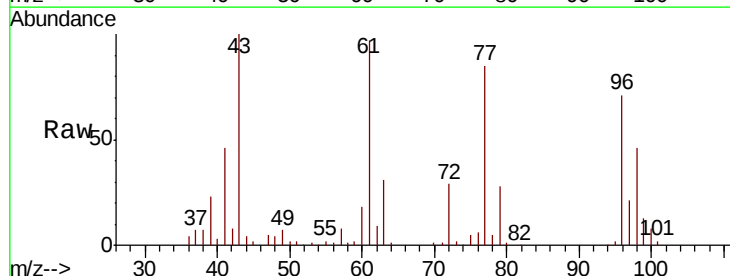


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

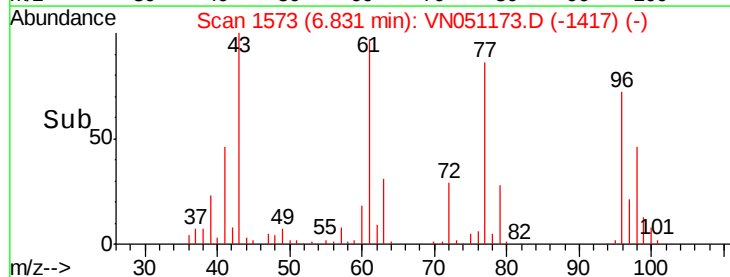
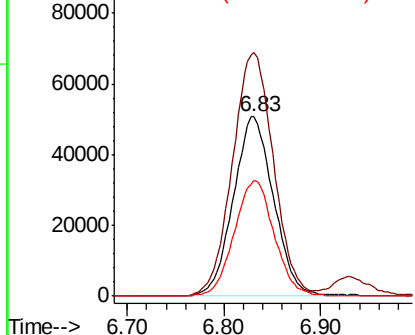


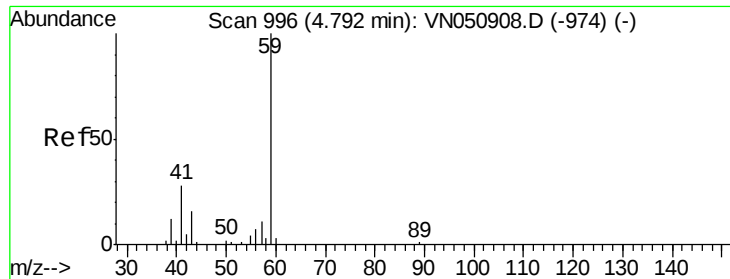
#22
 cis-1,2-Dichloroethene
 Concen: 19.96 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion:	96	Resp:	146580
Ion Ratio	Lower	Upper	
96	100		
61	138.4	110.0	165.0
98	63.9	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

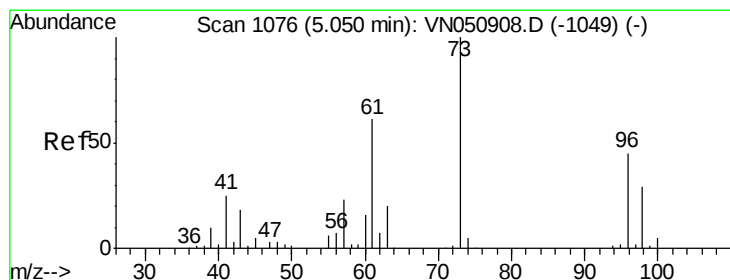
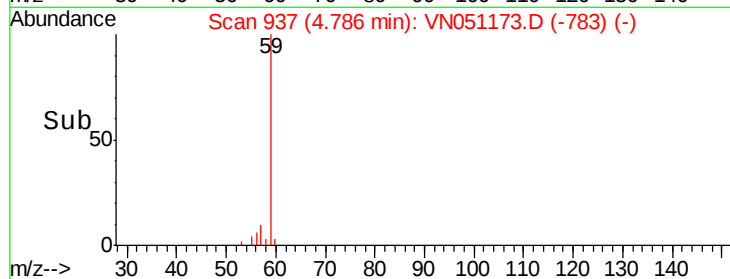
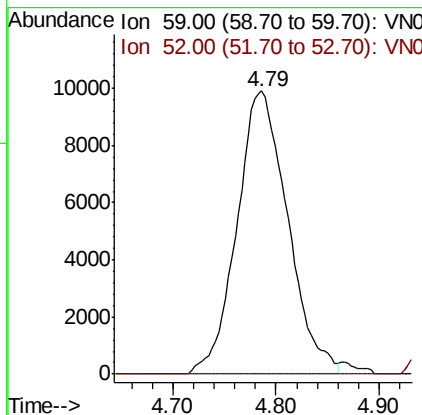
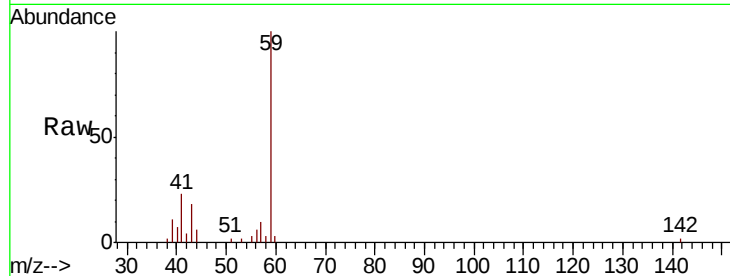
tert-Butyl Alcohol
 Concen: 66.83 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

Manual Integrations
 APPROVED

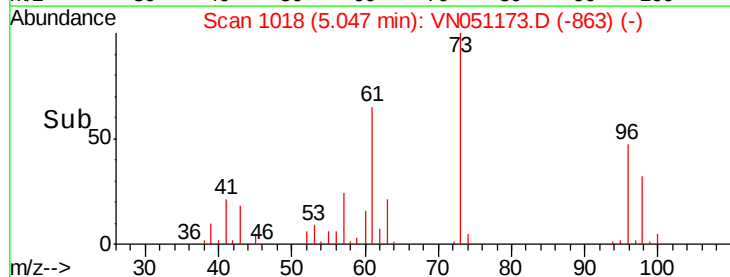
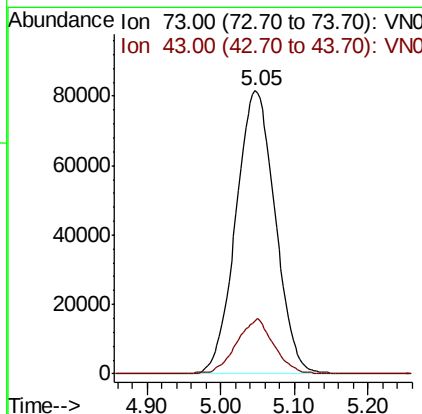
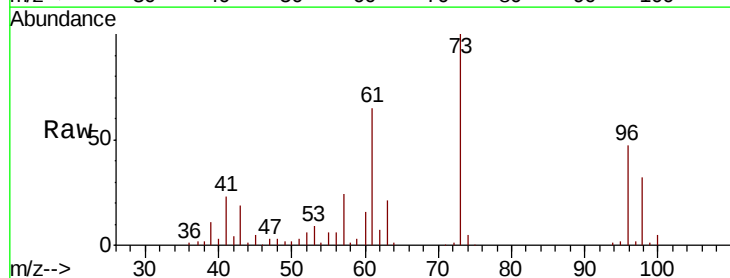
MMDadoda
 9/17/2018 1:39:28 PM

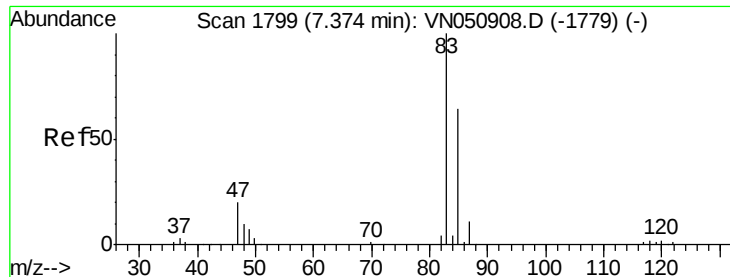


#24

Methyl tert-Butyl Ether
 Concen: 18.10 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.4	21.6





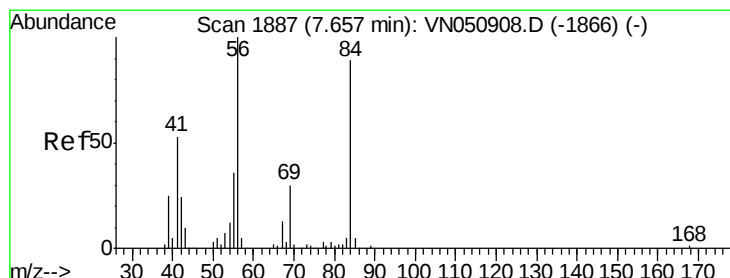
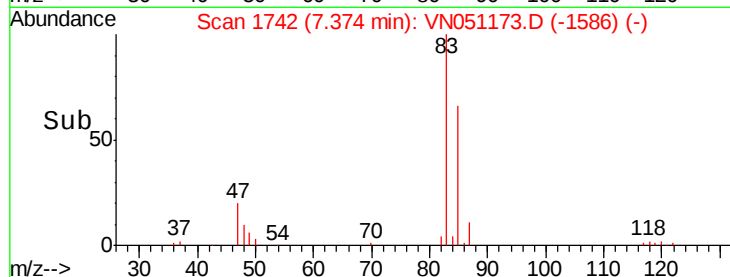
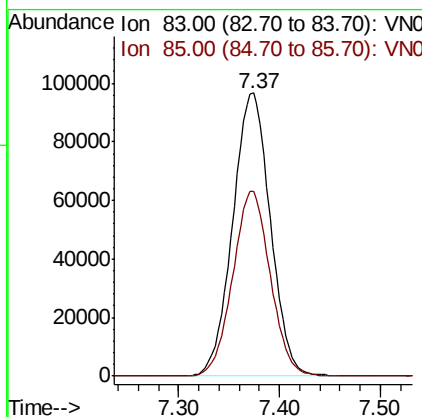
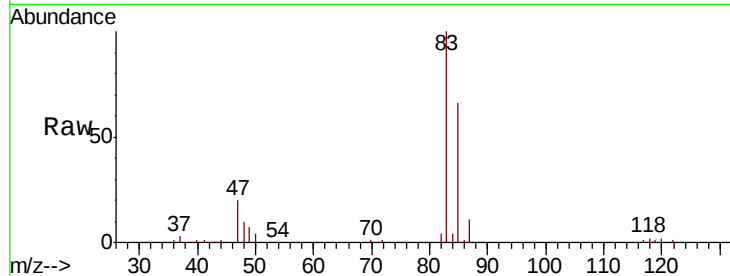
#25
Chloroform
Concen: 20.53 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 250430
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0

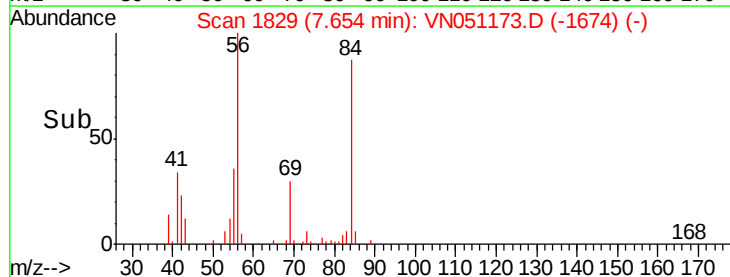
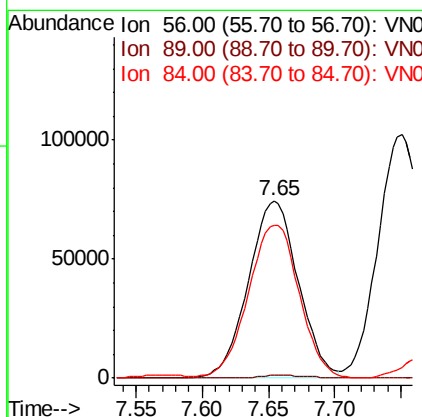
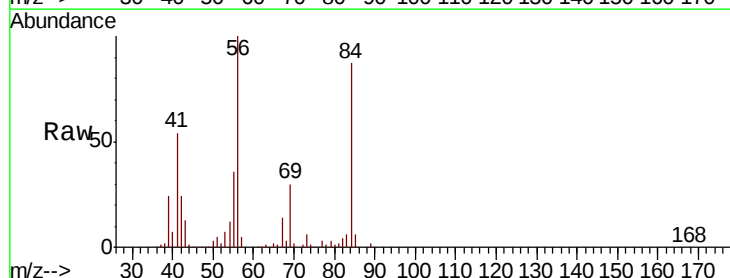
Manual Integrations
APPROVED

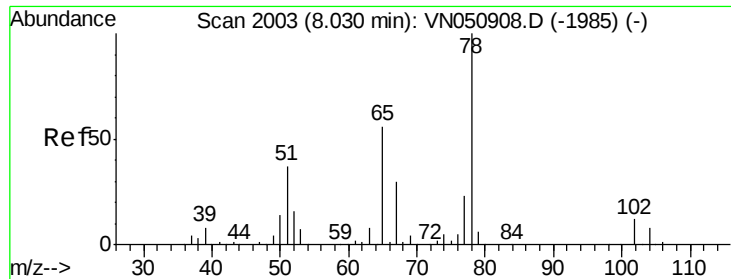
MMDadoda
9/17/2018 1:39:28 PM



#26
Cyclohexane
Concen: 19.36 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion: 56 Resp: 195984
Ion Ratio Lower Upper
56 100
89 1.5 0.4 0.6#
84 87.8 70.4 105.6





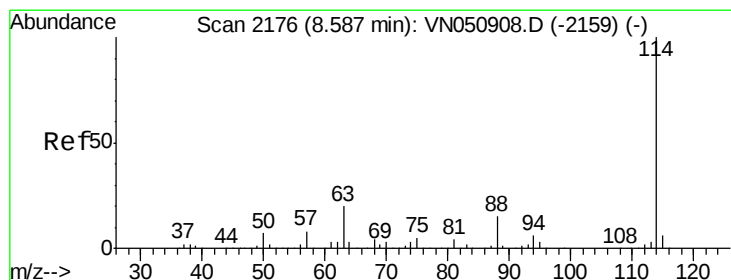
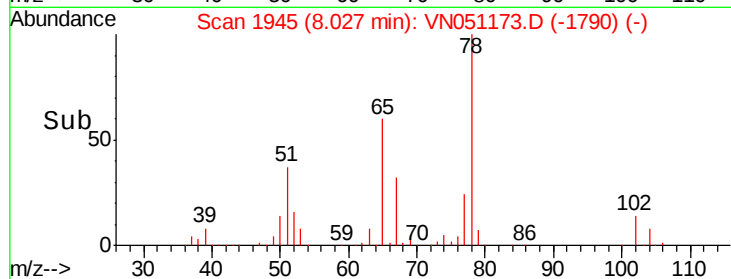
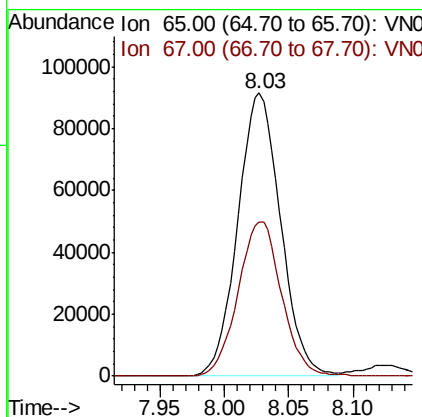
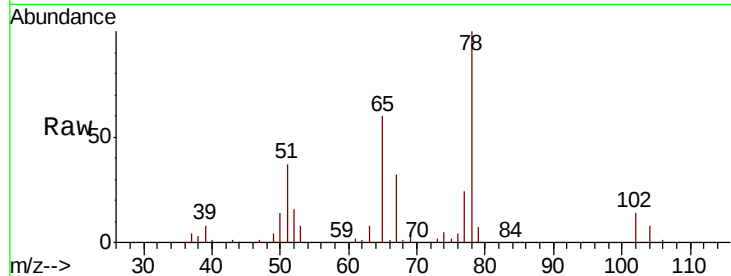
#27
 1,2-Dichloroethane-d4
 Concen: 29.32 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	43.7	65.5

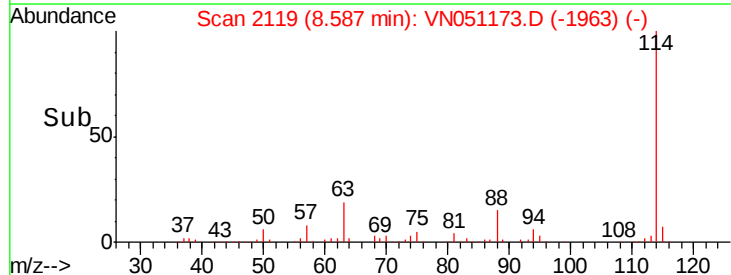
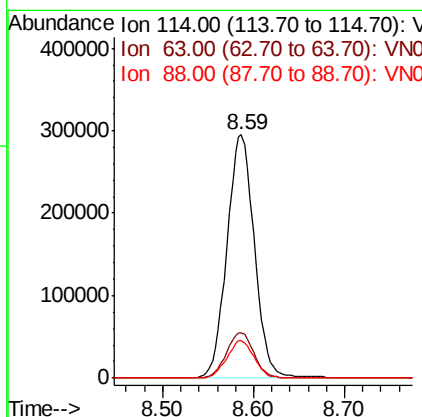
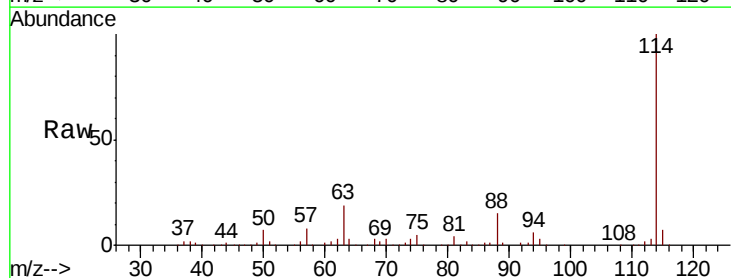
Manual Integrations
 APPROVED

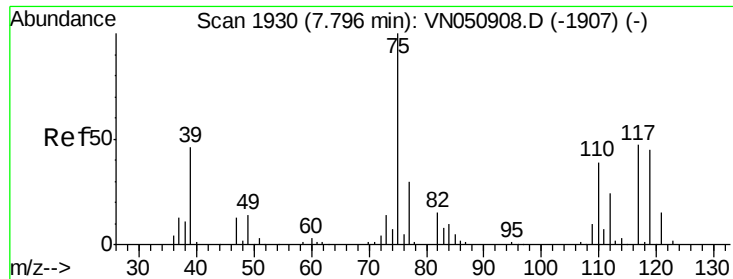
MMDadoda
 9/17/2018 1:39:28 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	15.6	23.4
88	15.3	12.2	18.4





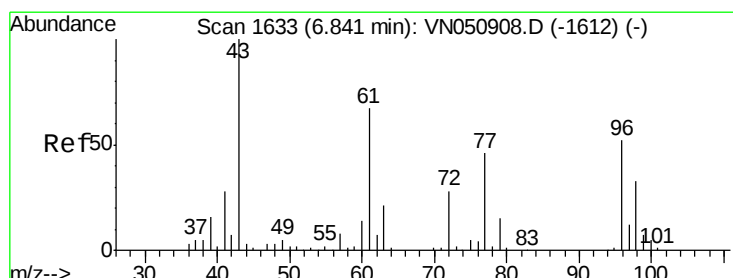
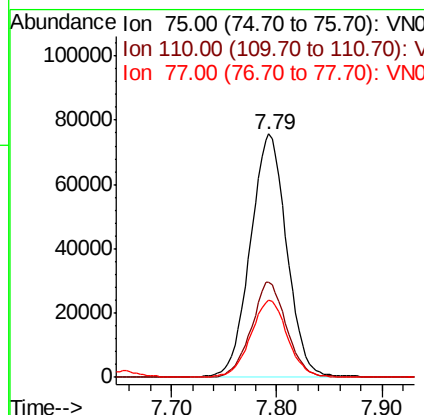
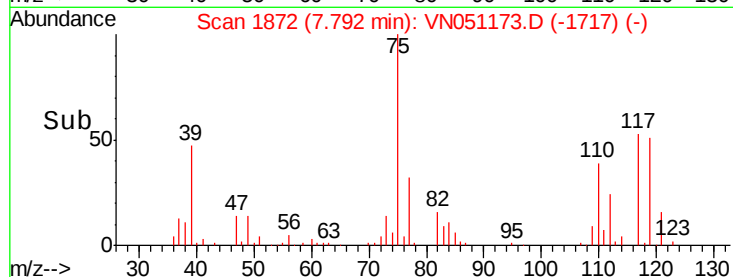
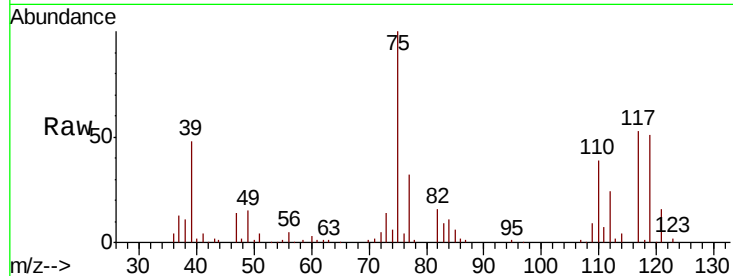
#29
 1,1-Dichloropropene
 Concen: 19.62 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.5	0.0	75.0
77	32.1	0.0	60.6

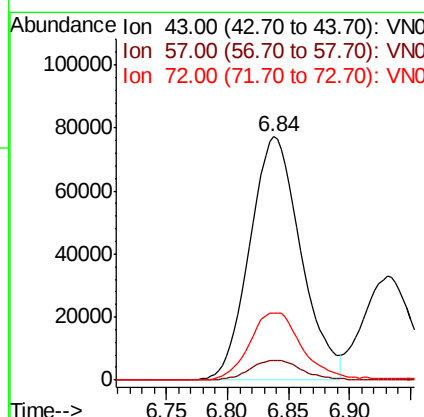
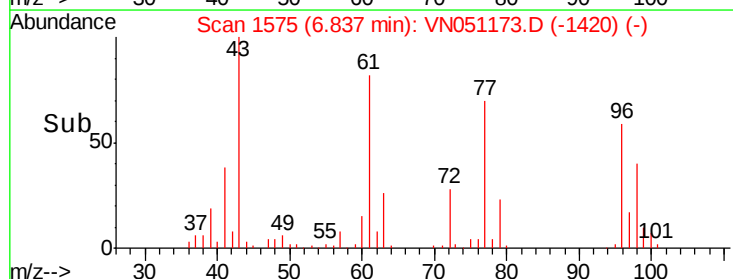
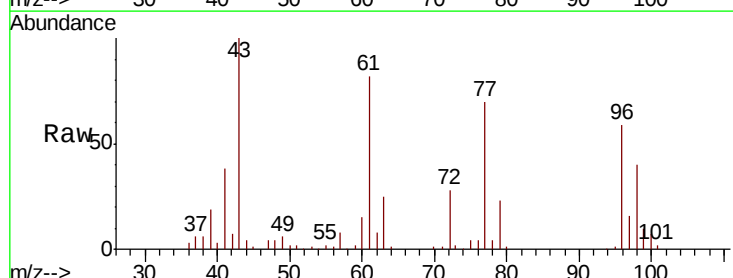
Manual Integrations
 APPROVED

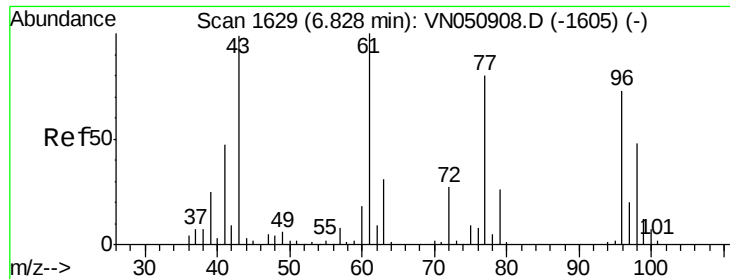
MMDadoda
 9/17/2018 1:39:28 PM



#30
 2-Butanone
 Concen: 78.75 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.9	10.3
72	28.3	22.8	34.2





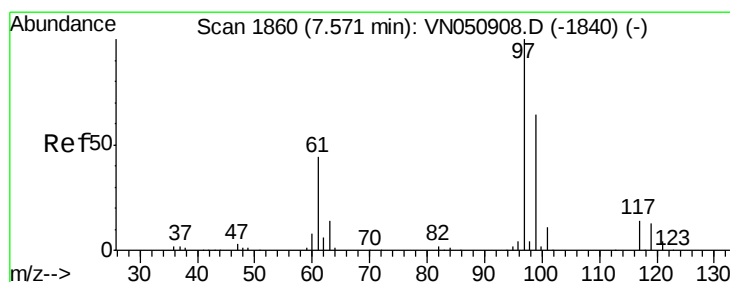
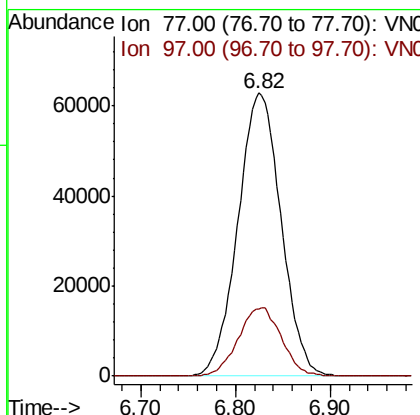
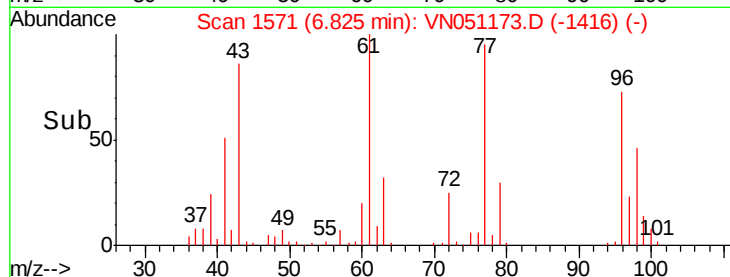
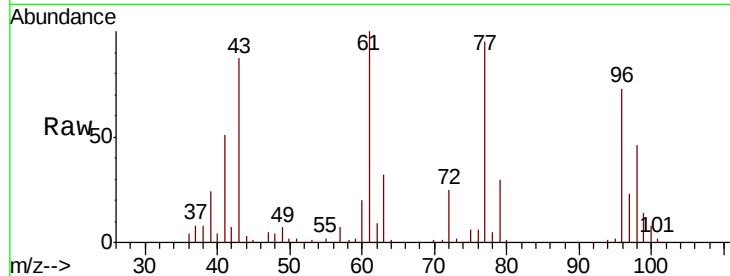
#31
 2,2-Dichloropropane
 Concen: 22.06 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.2	20.2	30.2

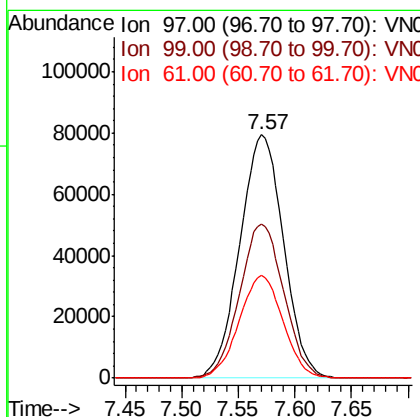
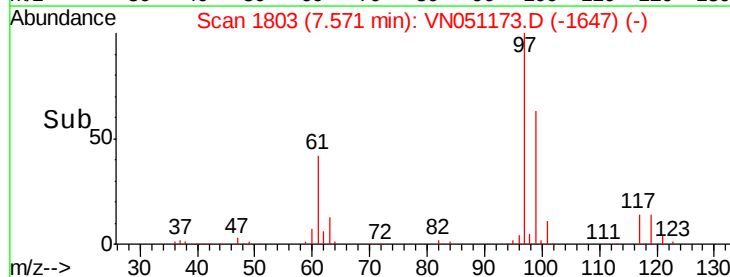
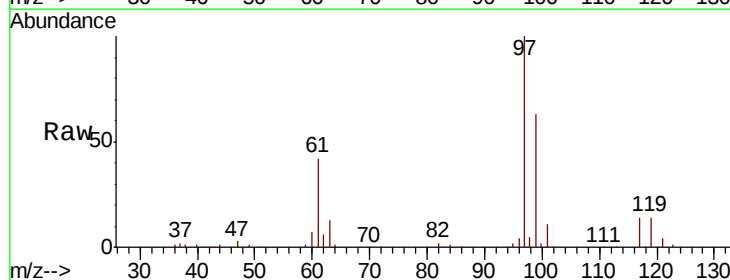
Manual Integrations
 APPROVED

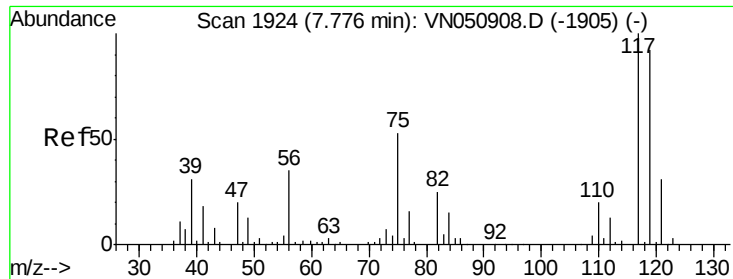
MMDadoda
 9/17/2018 1:39:28 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.34 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	42.3	35.0	52.6





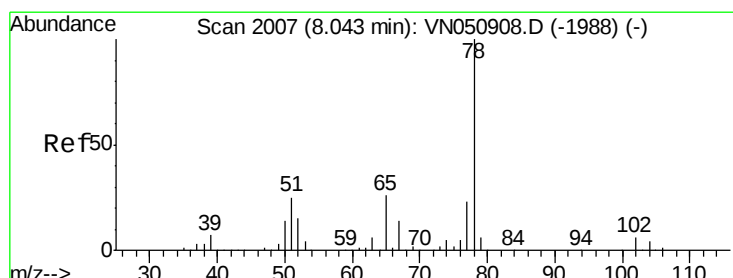
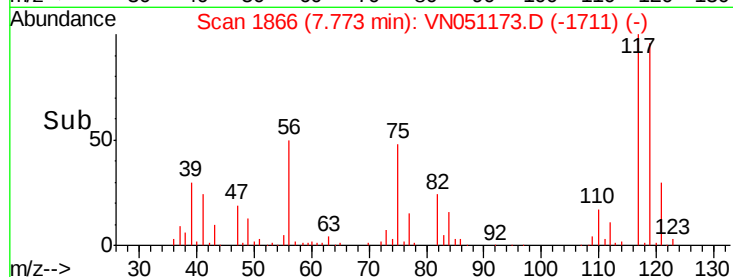
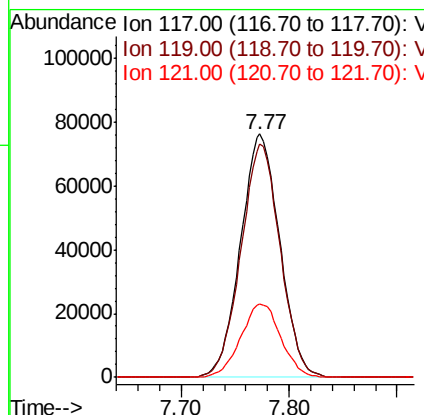
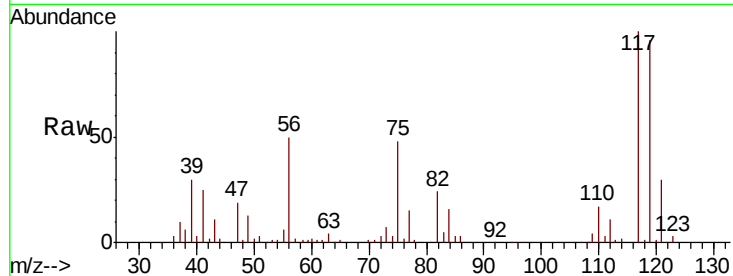
#33
Carbon Tetrachloride
Concen: 20.34 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.5	110.3
121	30.1	24.6	37.0

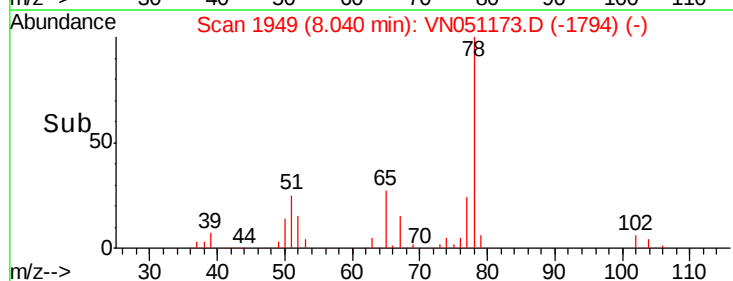
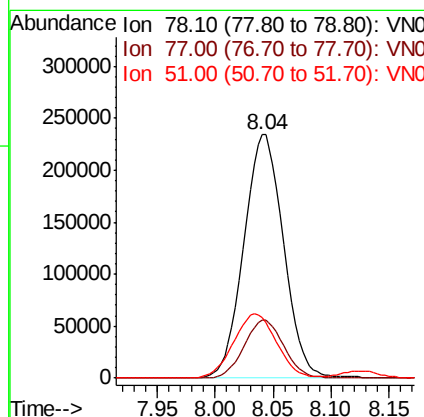
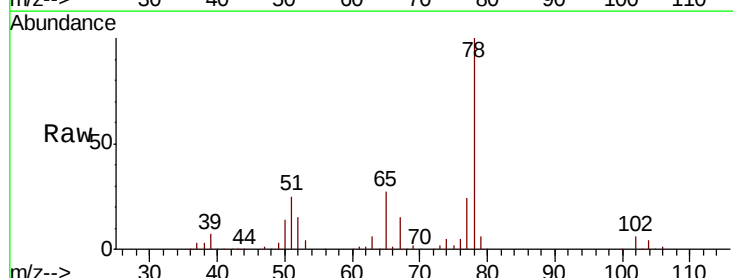
Manual Integrations
APPROVED

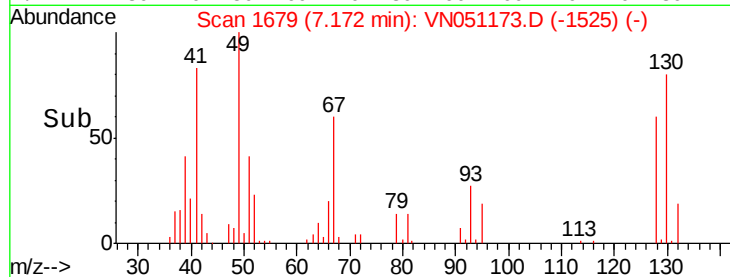
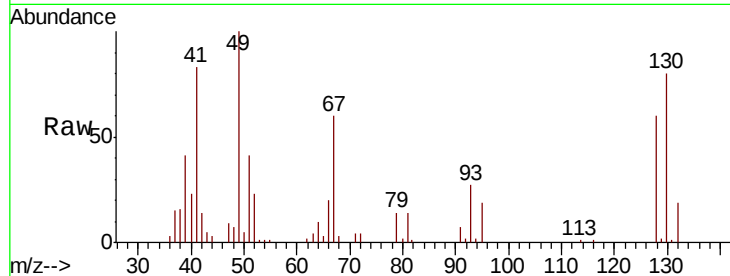
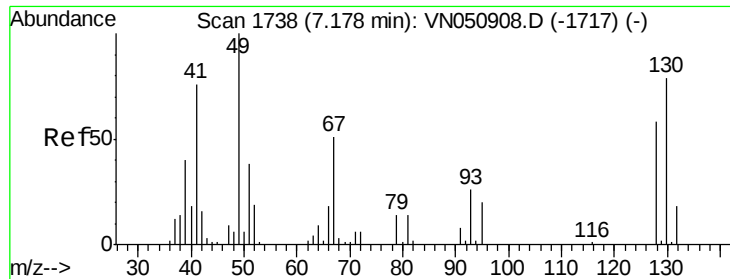
MMDadoda
9/17/2018 1:39:28 PM



#34
Benzene
Concen: 19.48 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0
51	24.8	20.0	30.0





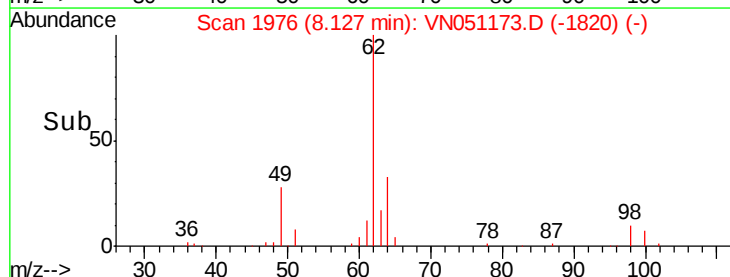
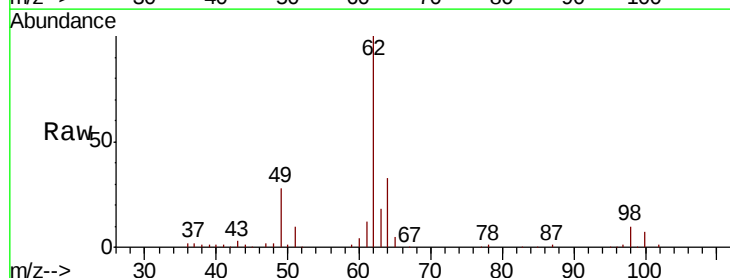
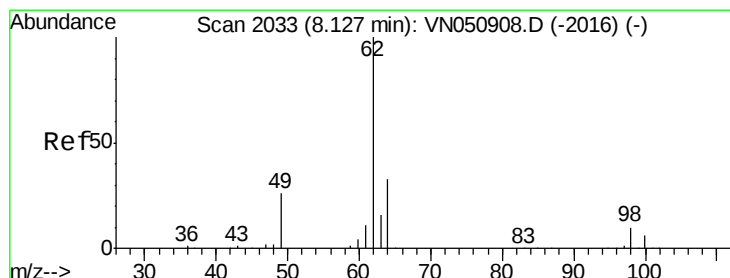
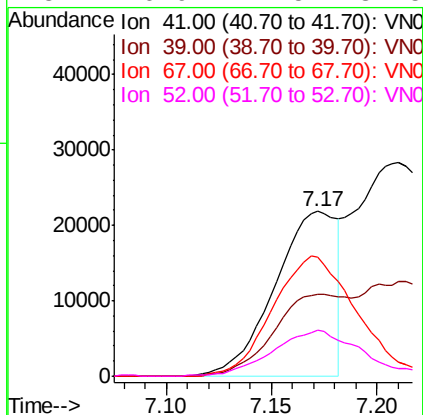
#35
Methacrylonitrile
Concen: 14.38 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tot Ion	41	Ratio	Lower	Upper
41	100			
39	50.0	26.2	78.5	
67	72.0	33.9	101.6	
52	26.9	12.5	37.5	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

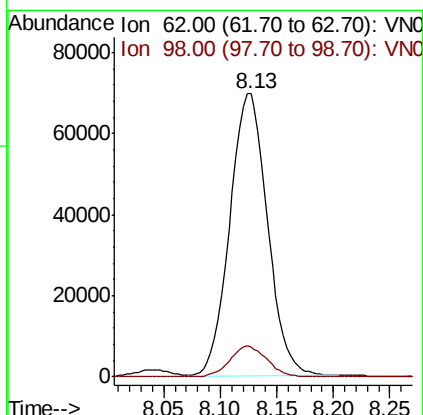
Manual Integrations
APPROVED

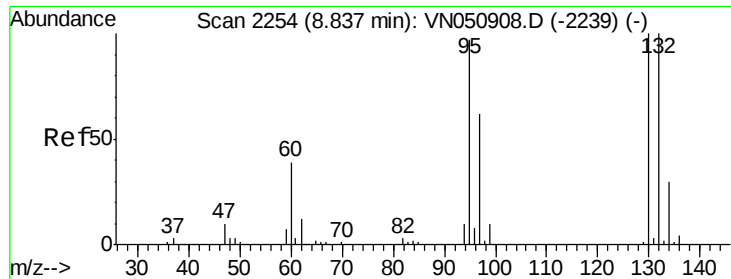
MMDadoda
9/17/2018 1:39:28 PM



#36
1,2-Dichloroethane
Concen: 18.66 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	62	Ratio	Lower	Upper
62	100			
98	10.7	8.0	12.0	





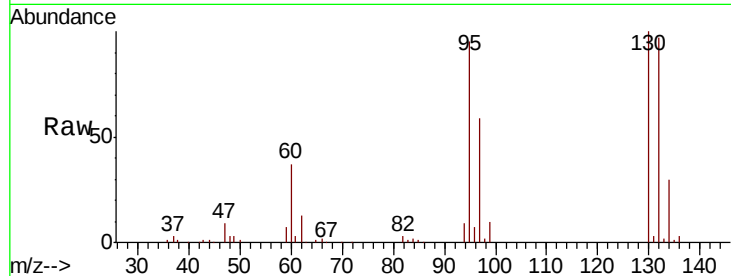
#37
 Trichloroethene
 Concen: 19.94 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

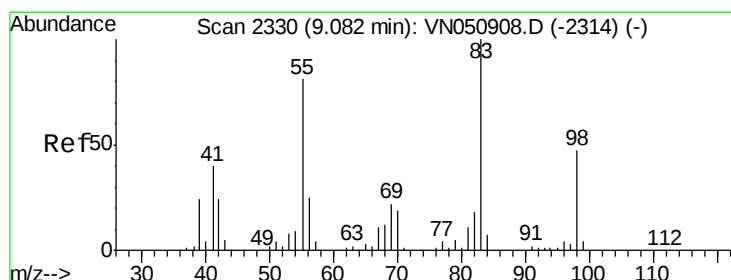
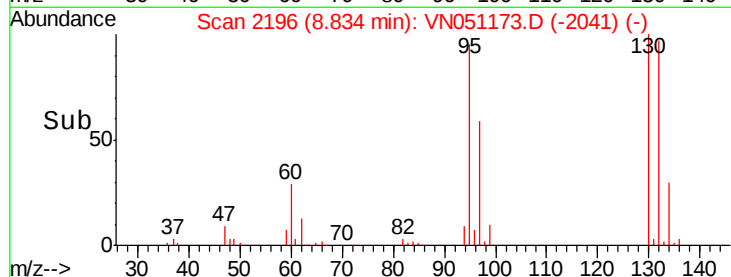
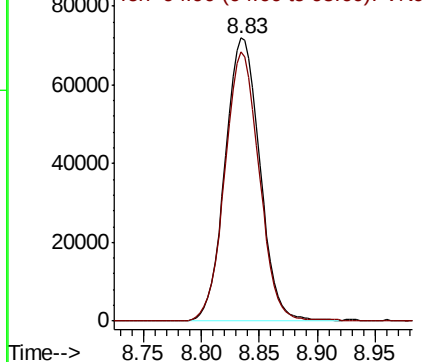
Tot Ion:130 Resp: 149516
 Ion Ratio Lower Upper
 130 100
 95 94.8 77.4 116.0

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

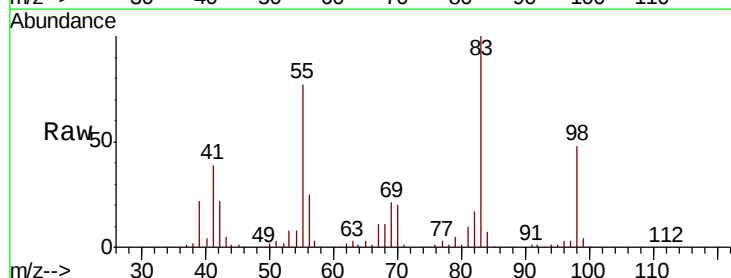


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): V

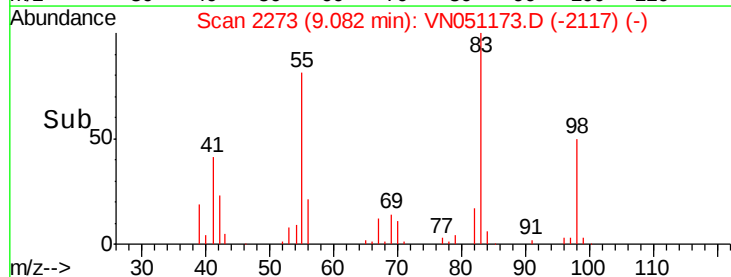
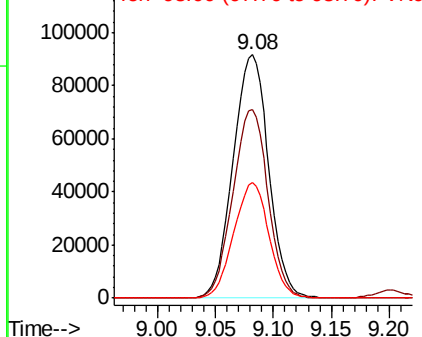


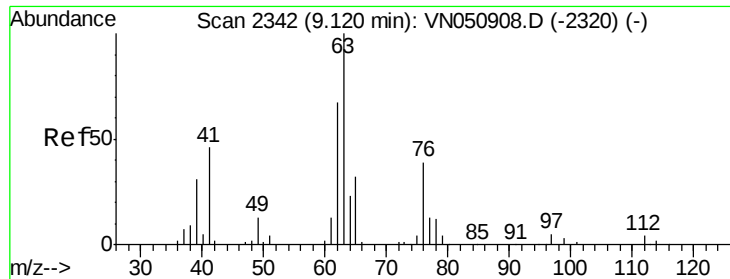
#38
 Methylcyclohexane
 Concen: 19.58 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion: 83 Resp: 195015
 Ion Ratio Lower Upper
 83 100
 55 76.7 38.9 116.7
 98 47.1 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): V
 Ion 55.00 (54.70 to 55.70): V
 Ion 98.00 (97.70 to 98.70): V





#39

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 146733

Ion Ratio Lower Upper

63 100

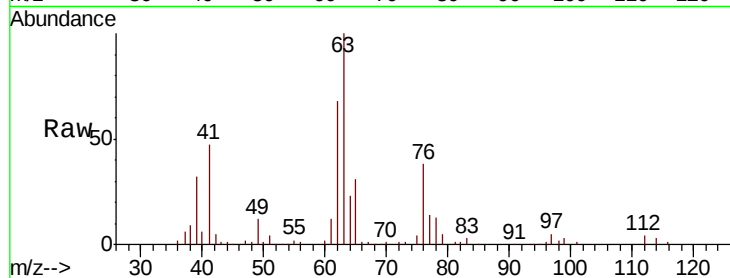
65 31.0 25.6 38.4

Manual Integrations

APPROVED

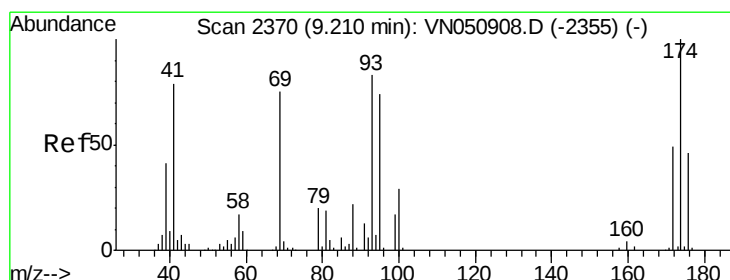
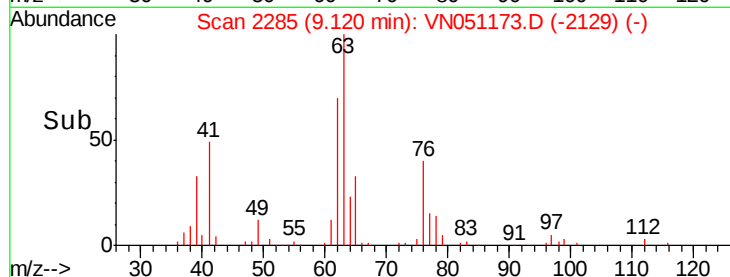
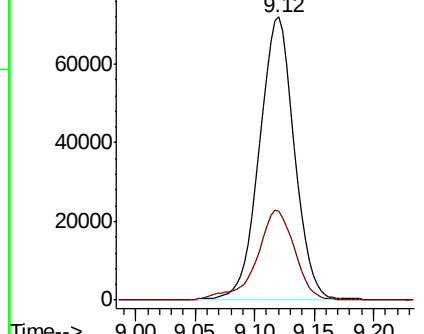
MMDadoda

9/17/2018 1:39:28 PM



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2320) (-)

Ion 65.00 (64.70 to 65.70): VN050908.D (-2320) (-)



#40

Dibromomethane

Concen: 18.63 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

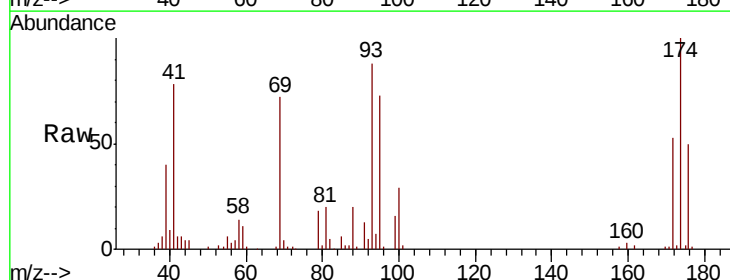
Tgt Ion: 93 Resp: 84079

Ion Ratio Lower Upper

93 100

95 84.2 0.0 173.4

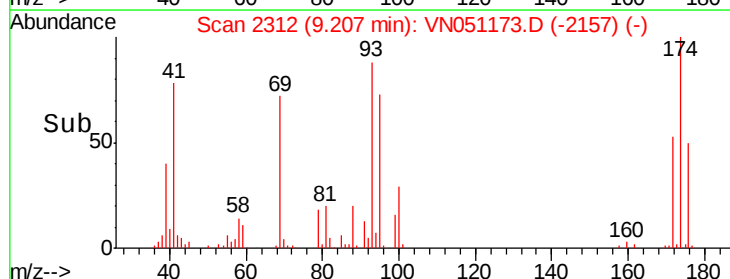
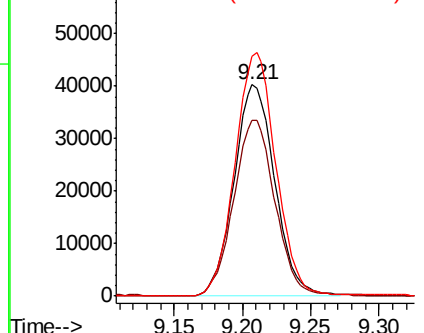
174 114.6 0.0 234.8

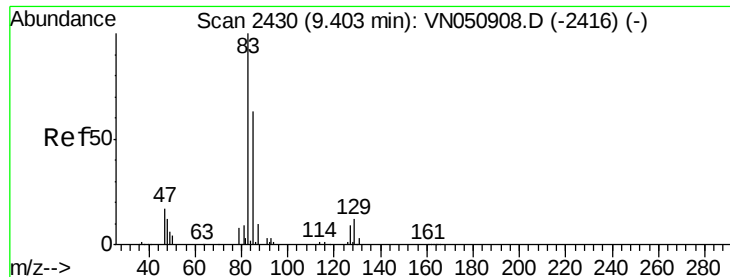


Abundance Ion 93.00 (92.70 to 93.70): VN050908.D (-2355) (-)

Ion 95.00 (94.70 to 95.70): VN050908.D (-2355) (-)

Ion 174.00 (173.70 to 174.70): VN050908.D (-2355) (-)





#41

Bromodichloromethane

Concen: 19.63 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

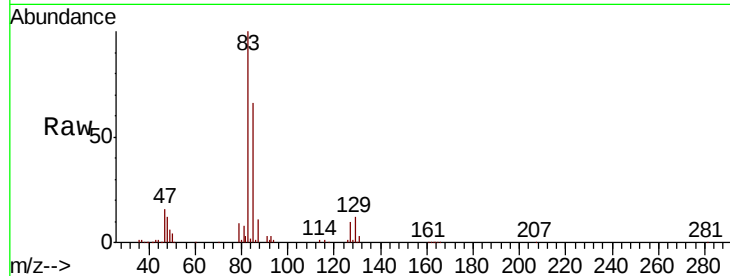
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	186785
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.6	76.0
127	9.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

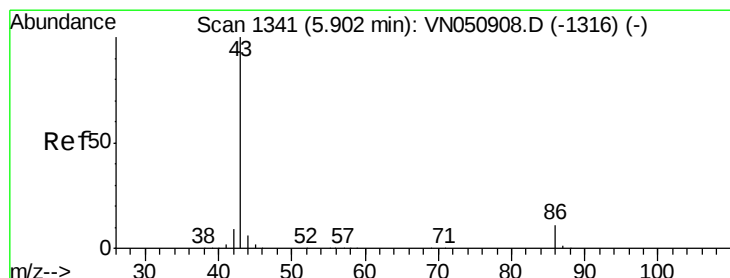
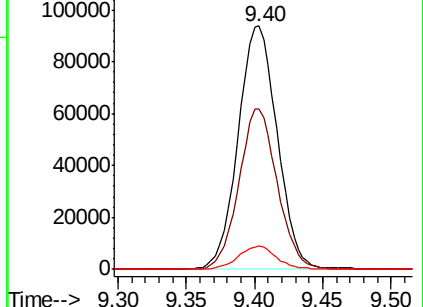
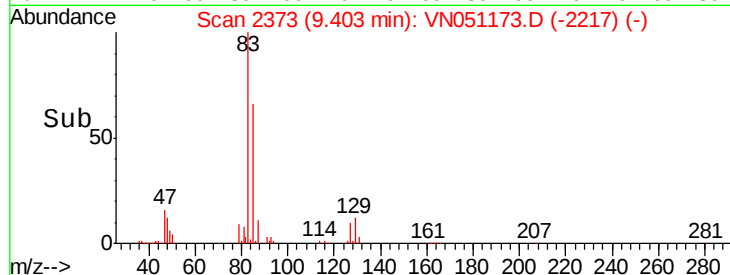


Abundance Ion 83.00 (82.70 to 83.70): VN050908.D (-2416) (-)

Ion 85.00 (84.70 to 85.70): VN050908.D (-2416) (-)

Ion 127.00 (126.70 to 127.70): VN050908.D (-2416) (-)

Time-->



#42

Vinyl Acetate

Concen: 90.11 ug/l

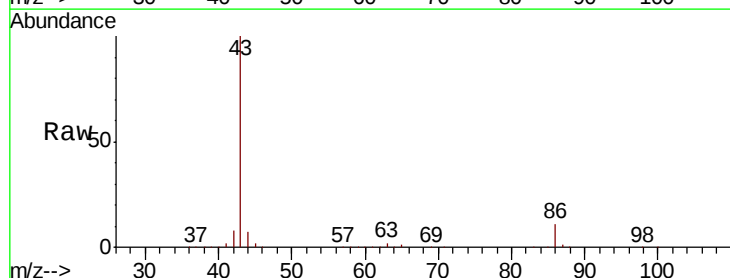
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

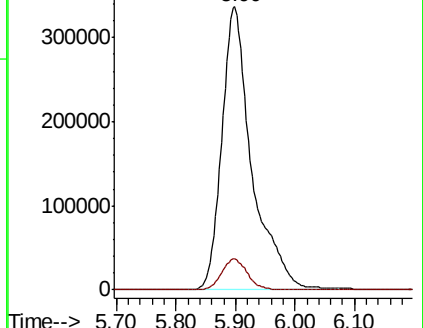
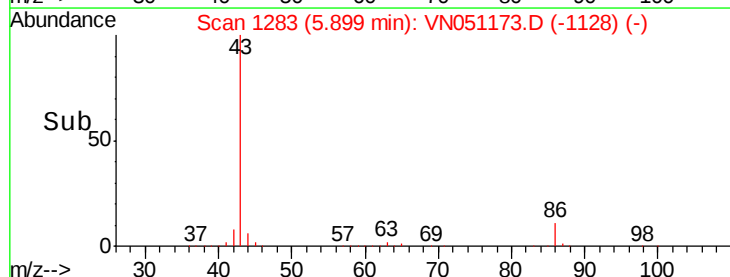
Tgt Ion:	43	Resp:	1183858
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.2	10.8

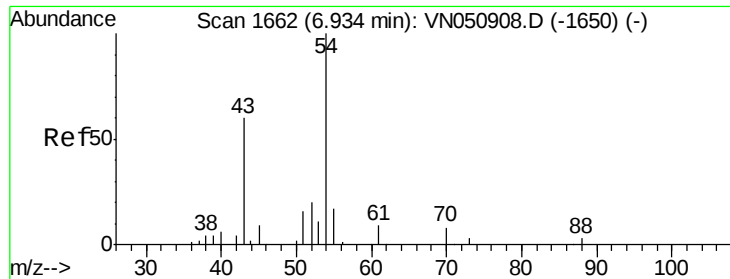


Abundance Ion 43.00 (42.70 to 43.70): VN050908.D (-1316) (-)

Ion 86.00 (85.70 to 86.70): VN050908.D (-1316) (-)

Time-->





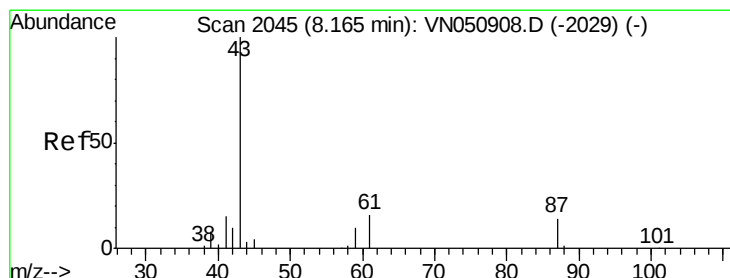
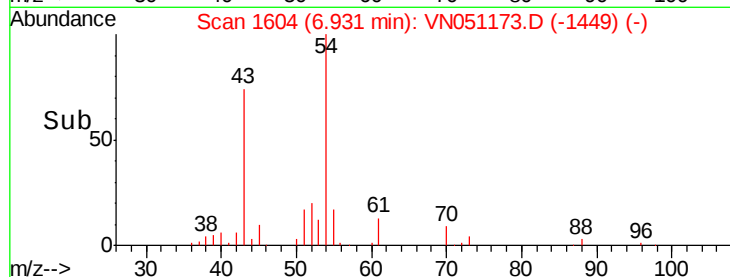
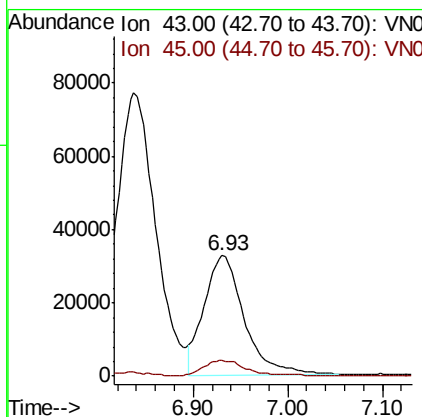
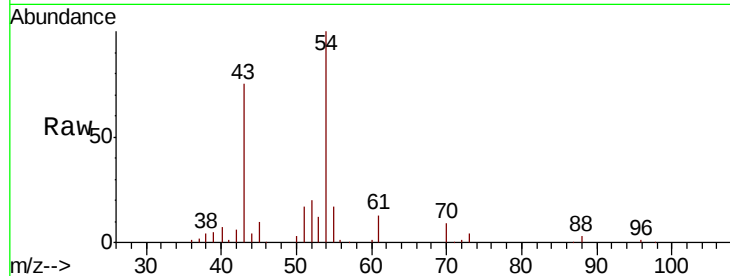
#43
Ethyl Acetate
Concen: 16.41 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper	Resp
43	100					95878
45	14.7			10.2	15.2	

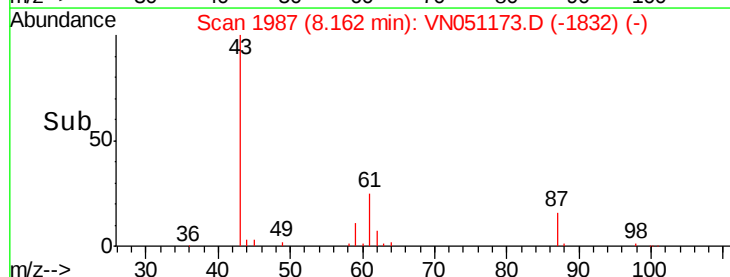
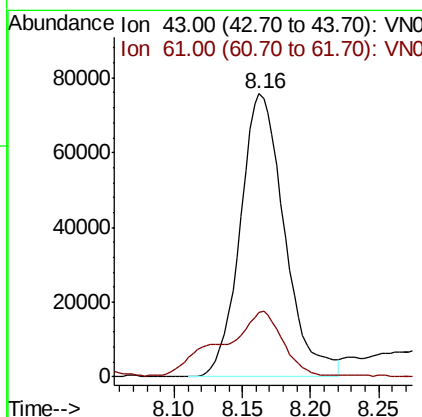
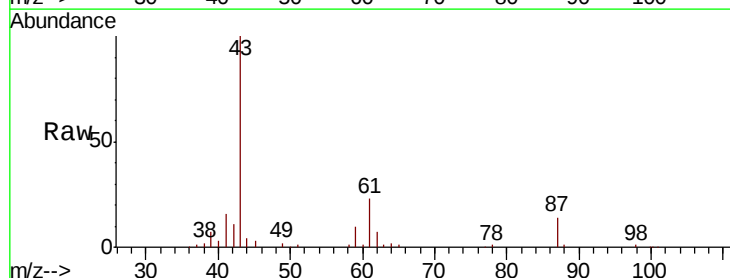
Manual Integrations
APPROVED

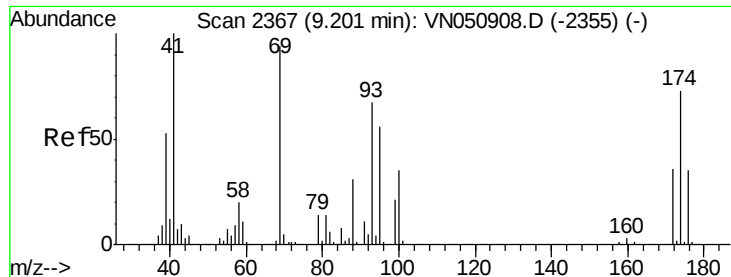
MMDadoda
9/17/2018 1:39:28 PM



#44
Isopropyl Acetate
Concen: 16.45 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	43	61	Ratio	Lower	Upper	Resp
43	100					169581
61	19.1			16.3	24.5	





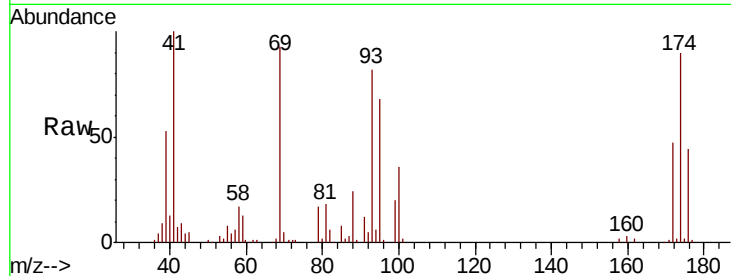
#45
 1,4-Dioxane
 Concen: 294.26 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.5	35.3
58	69.6	55.2	82.8

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

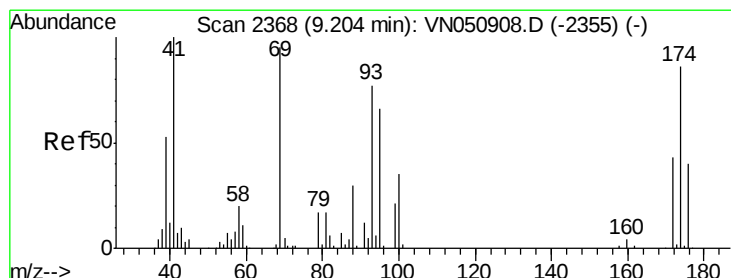
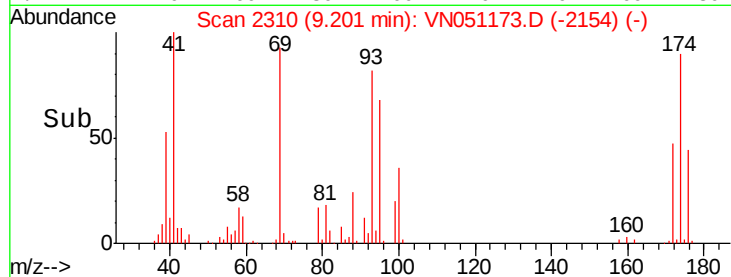
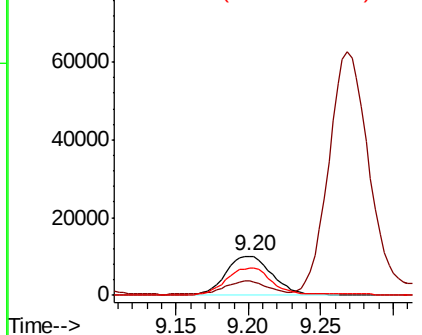


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
 Methyl methacrylate
 Concen: 15.17 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

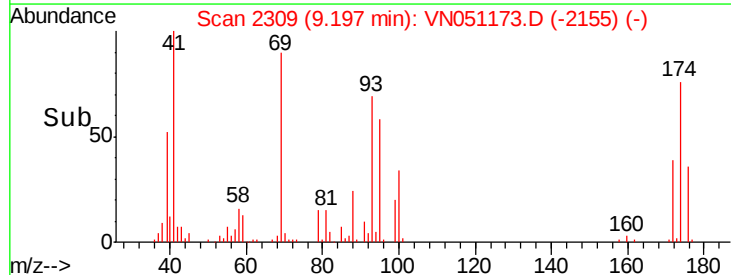
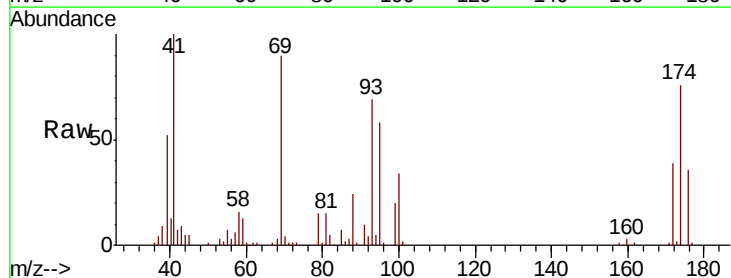
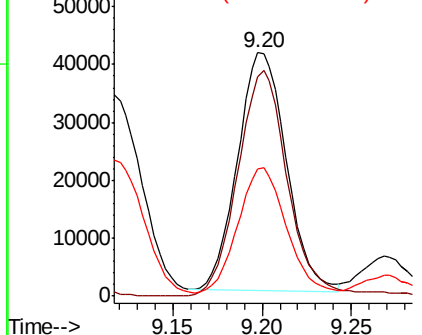
Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	47.4	142.2
39	52.0	26.6	79.7

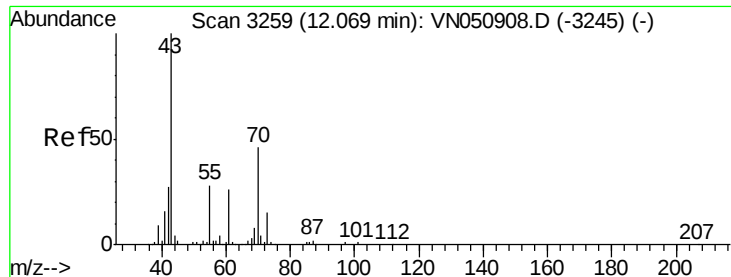
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 13.40 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 111098

Ion Ratio Lower Upper

43 100

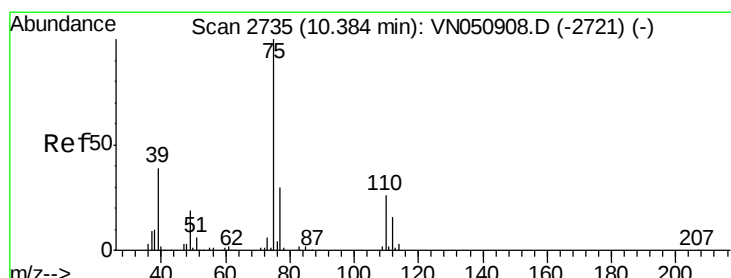
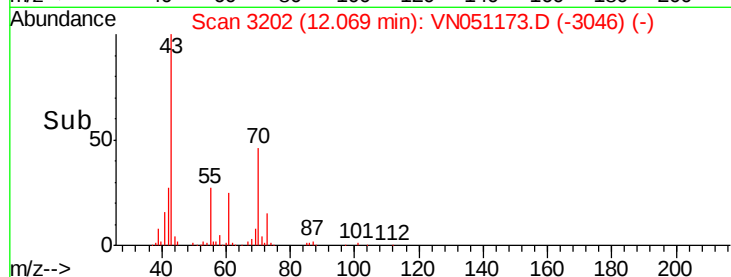
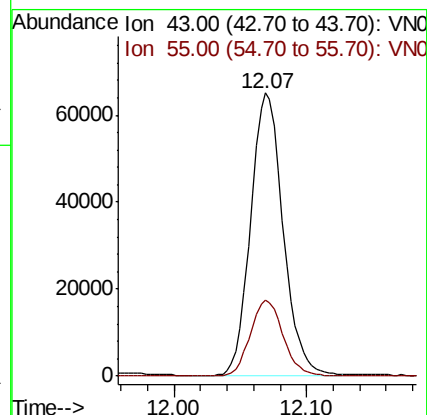
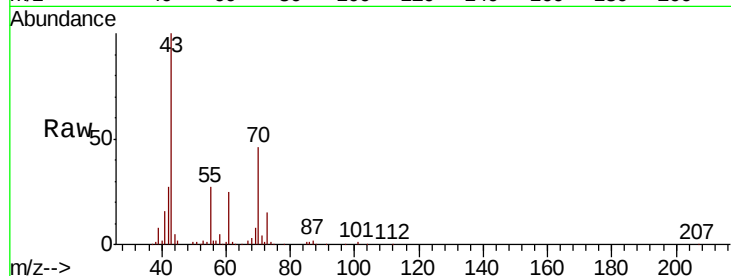
55 27.1 23.0 34.4

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:28 PM



#48

t-1,3-Dichloropropene

Concen: 17.85 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051173.D

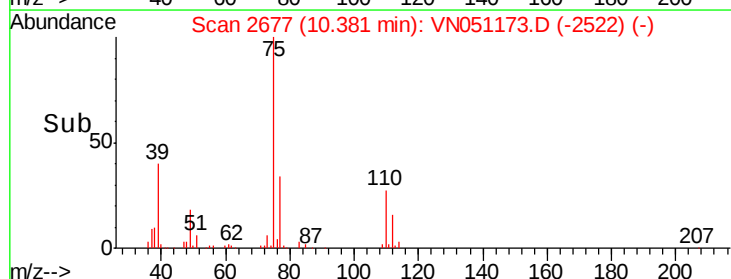
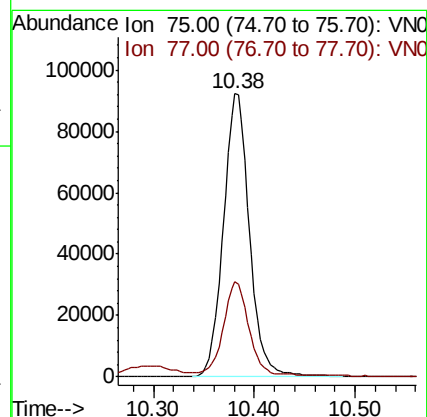
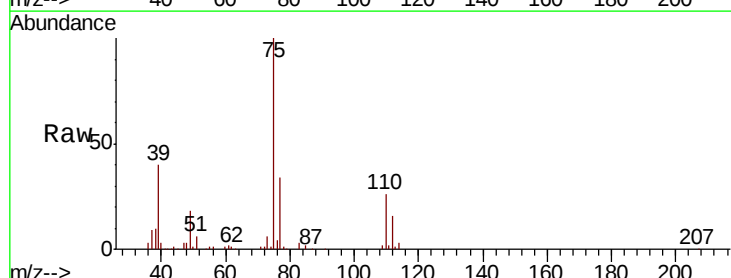
Acq: 14 Sep 2018 7:44

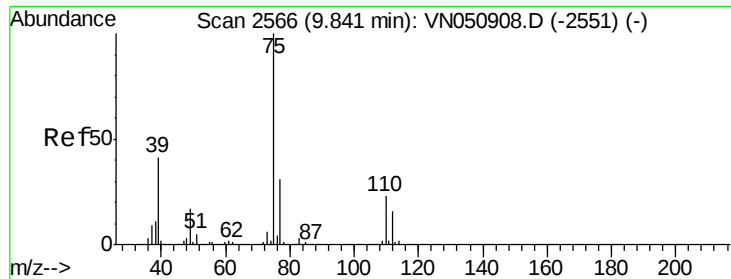
Tgt Ion: 75 Resp: 166483

Ion Ratio Lower Upper

75 100

77 33.2 24.8 37.2





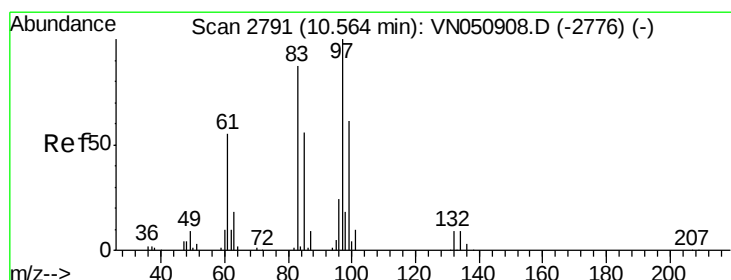
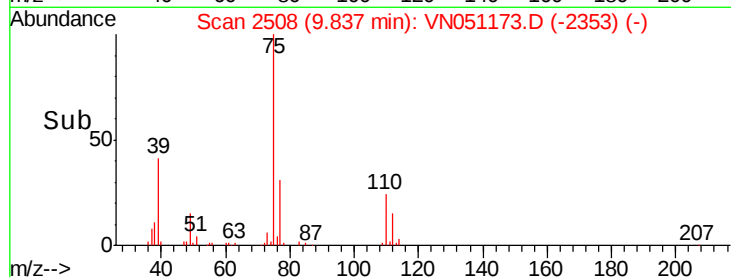
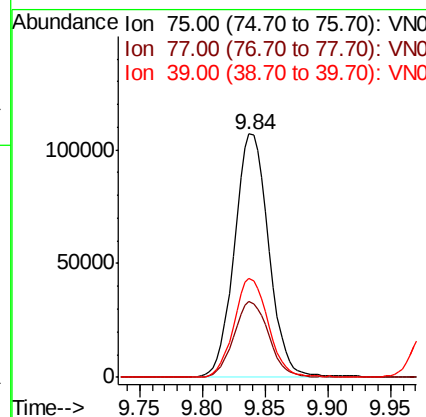
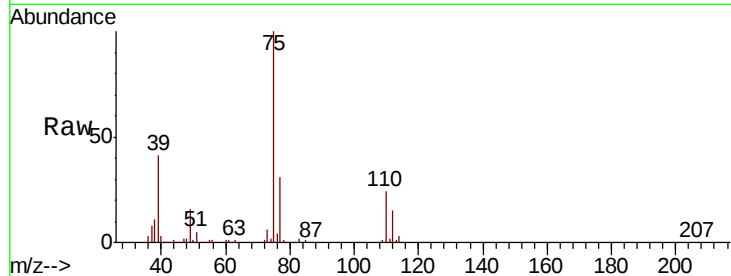
#49
 cis-1,3-Dichloropropene
 Concen: 19.02 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	203748
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.0	37.4
39	40.8	32.9	49.3

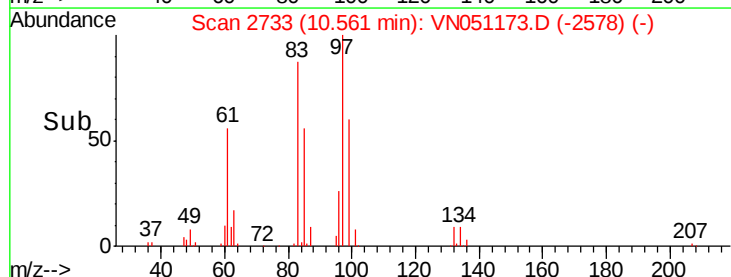
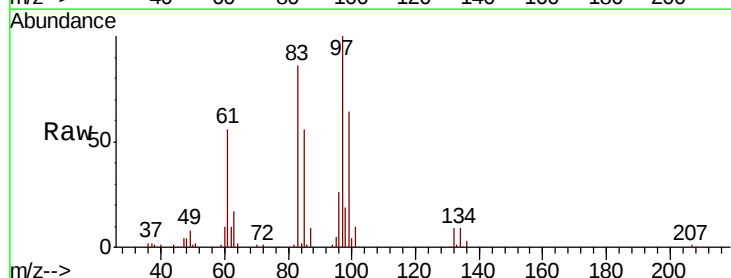
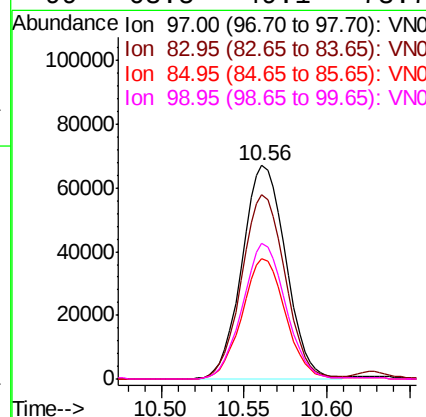
Manual Integrations
 APPROVED

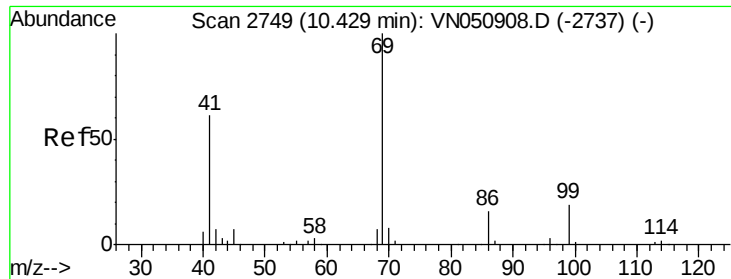
MMDadoda
 9/17/2018 1:39:28 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.85 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion:	97	Resp:	123591
Ion Ratio	Lower	Upper	
97	100		
83	86.2	69.8	104.6
85	56.2	45.0	67.6
99	63.5	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.21 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

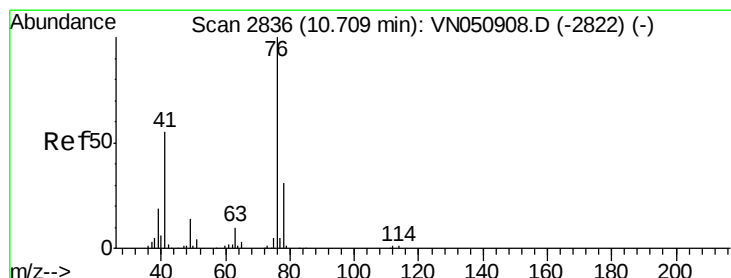
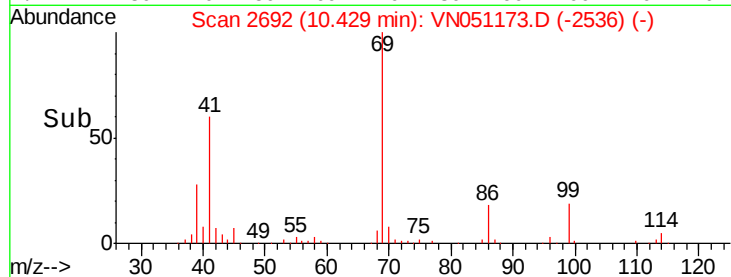
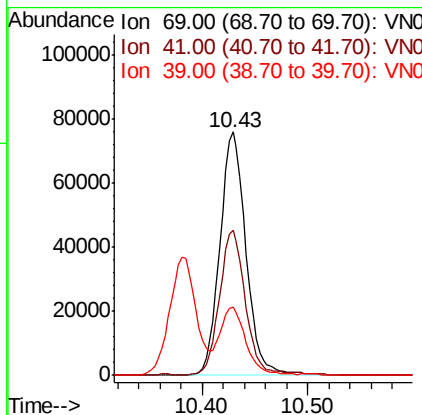
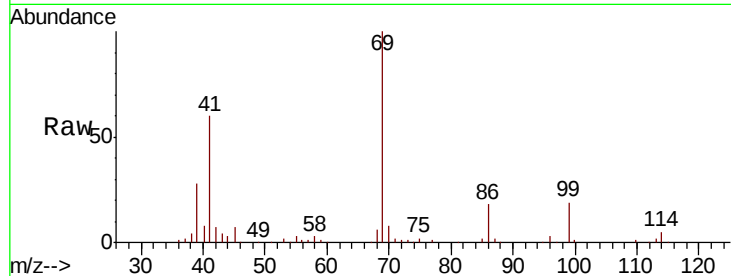
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	130057
Ion Ratio	Lower	Upper	
69	100		
41	59.3	30.5	91.5
39	27.7	15.3	45.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#52

1,3-Dichloropropane

Concen: 18.40 ug/l

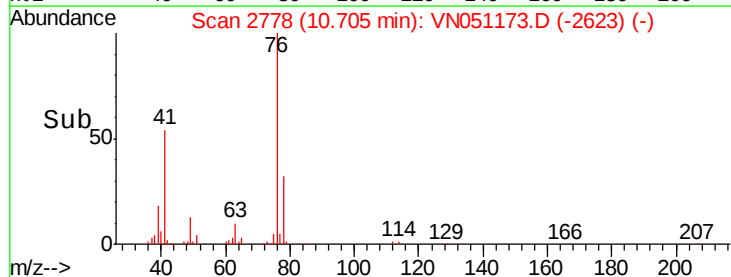
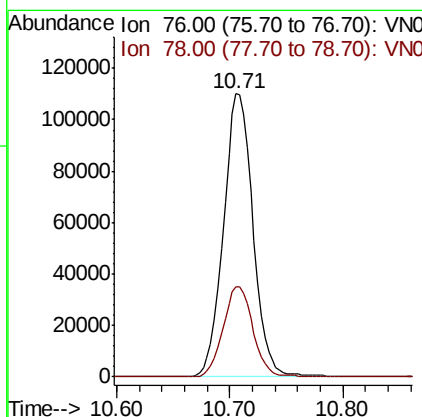
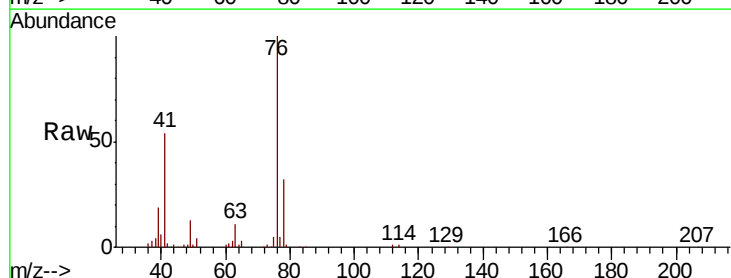
RT: 10.71 min Scan# 2778

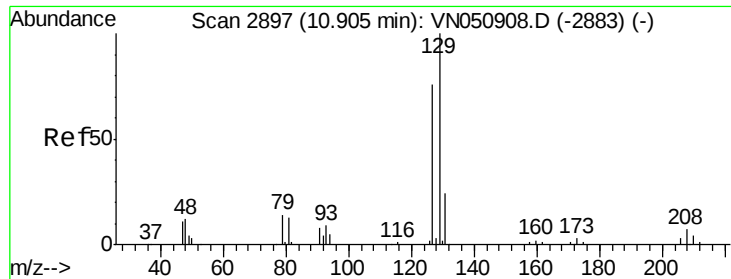
Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	76	Resp:	199851
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





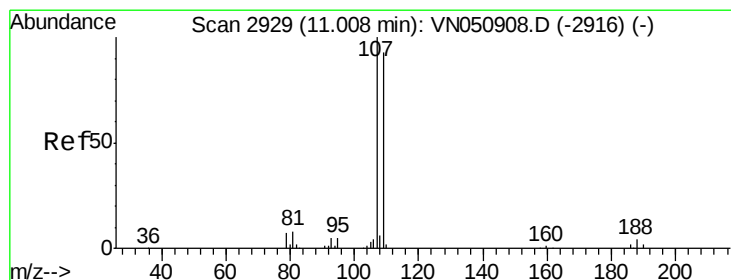
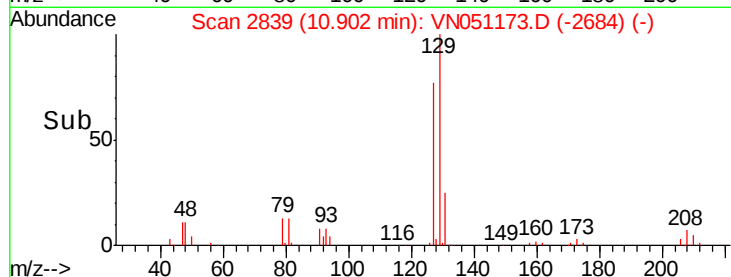
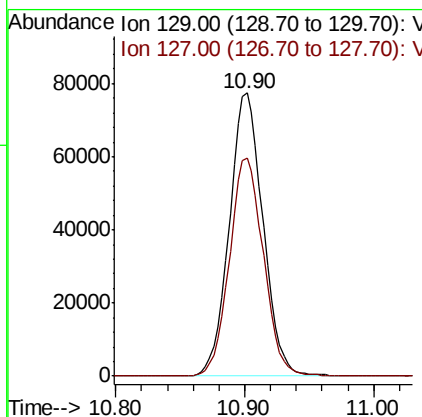
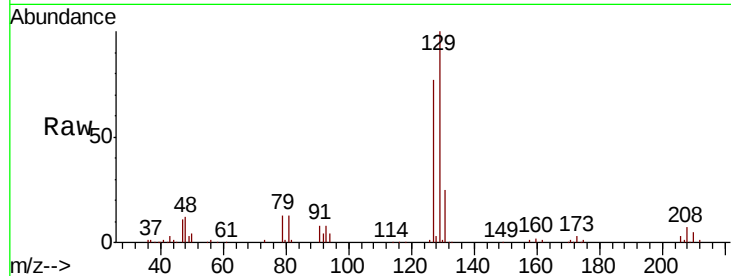
#53
 Dibromochloromethane
 Concen: 18.80 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	116.9

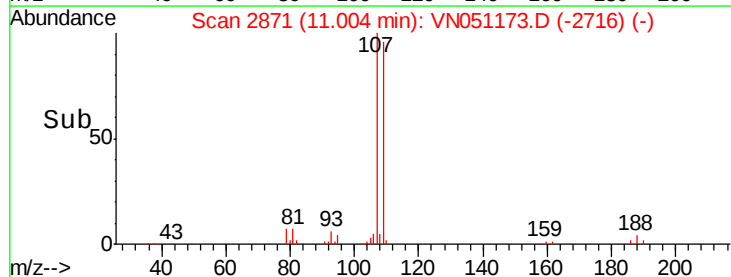
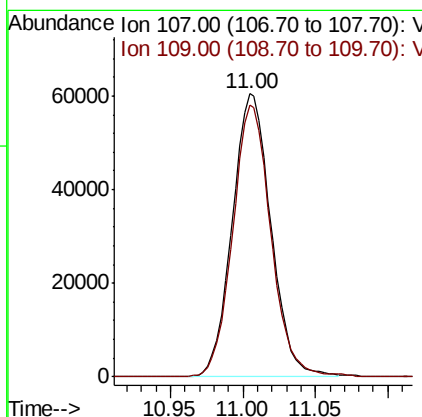
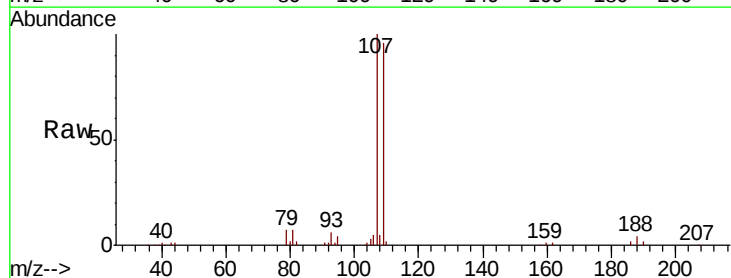
Manual Integrations
 APPROVED

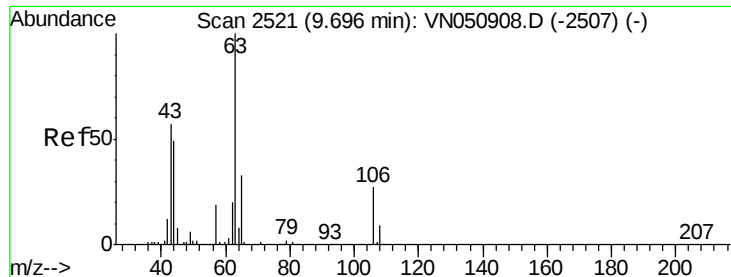
MMDadoda
 9/17/2018 1:39:28 PM



#54
 1,2-Dibromoethane
 Concen: 17.26 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.4	111.6





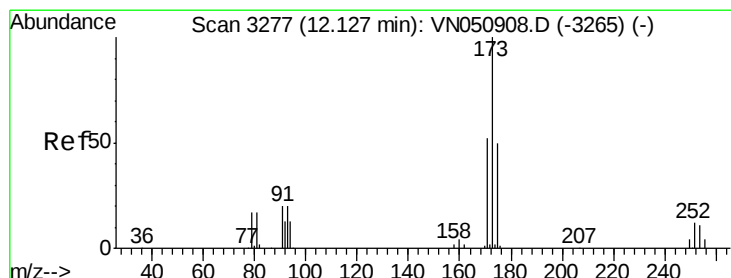
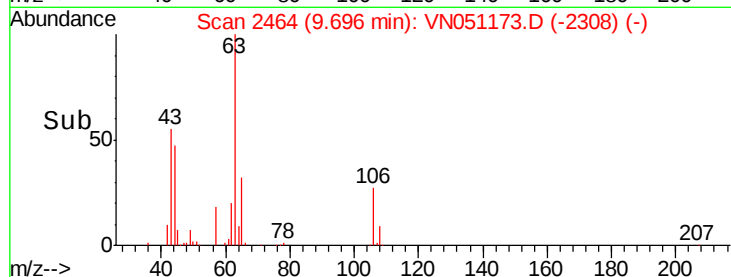
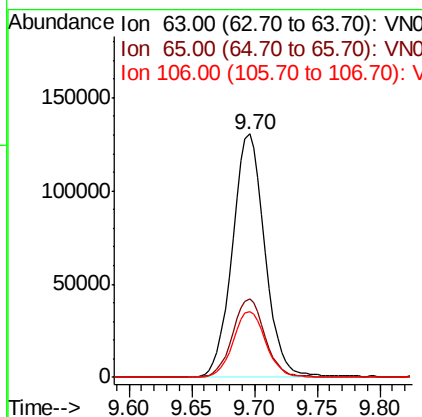
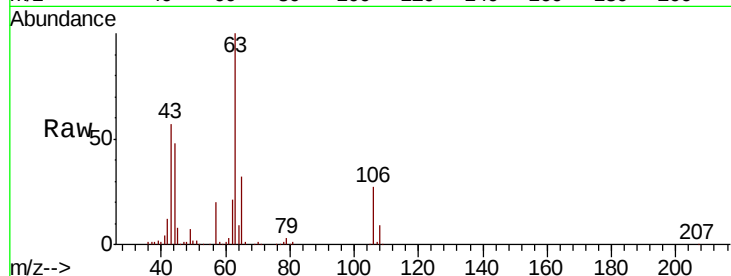
#55
2-Chloroethyl vinyl ether
Concen: 70.51 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	27.3	22.0	33.0

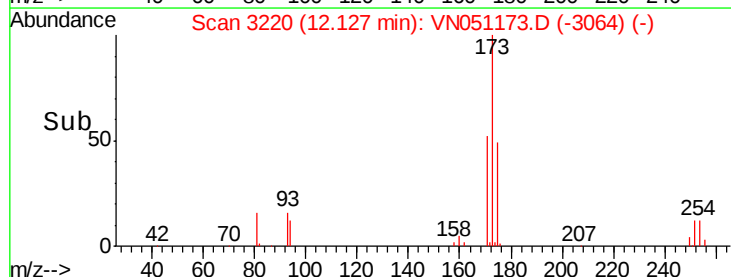
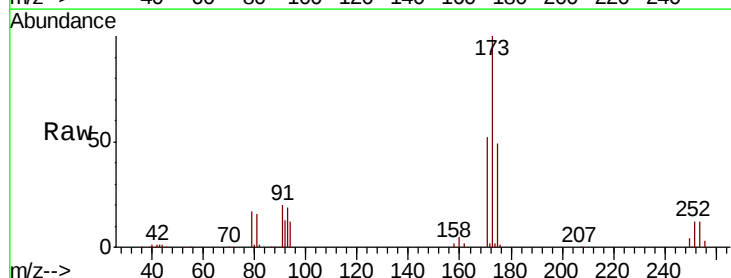
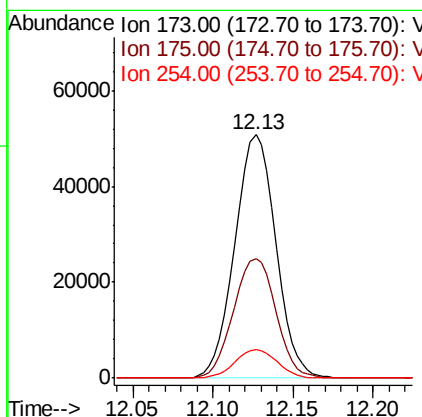
Manual Integrations
APPROVED

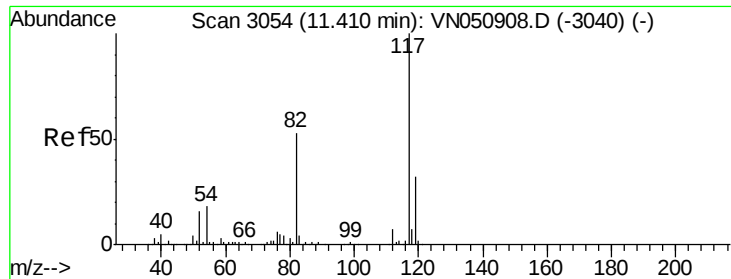
MMDadoda
9/17/2018 1:39:28 PM



#56
Bromoform
Concen: 16.77 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	39.2	58.8
254	11.8	9.0	13.6





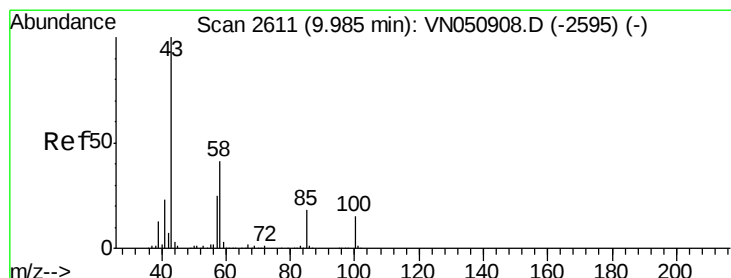
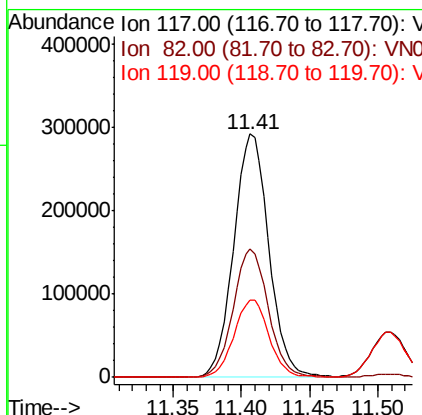
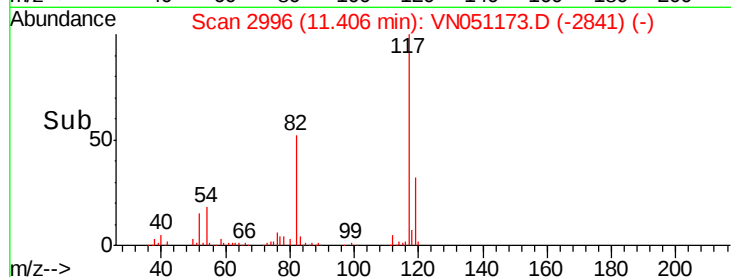
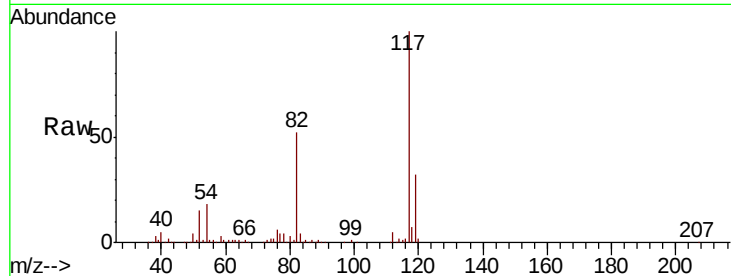
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	523681		
82	52.6	42.6	64.0	
119	31.7	25.7	38.5	

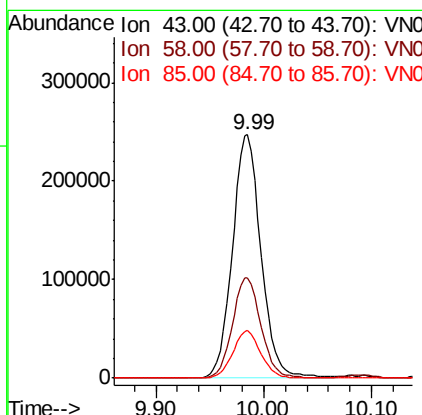
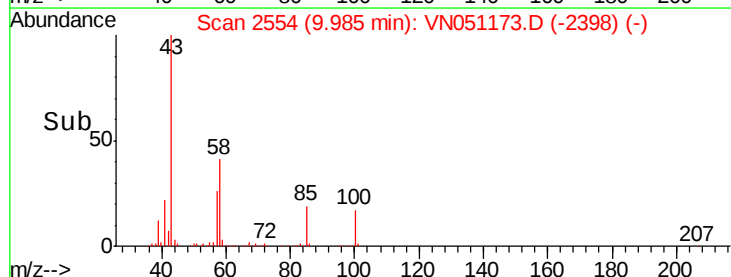
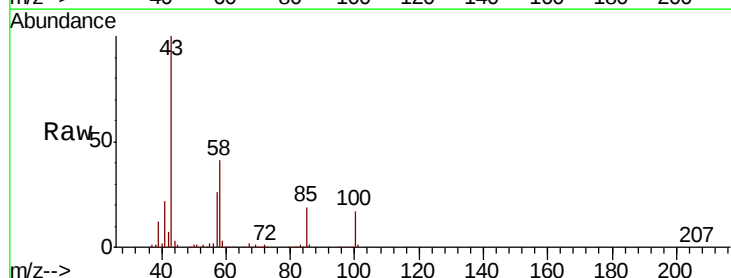
Manual Integrations
APPROVED

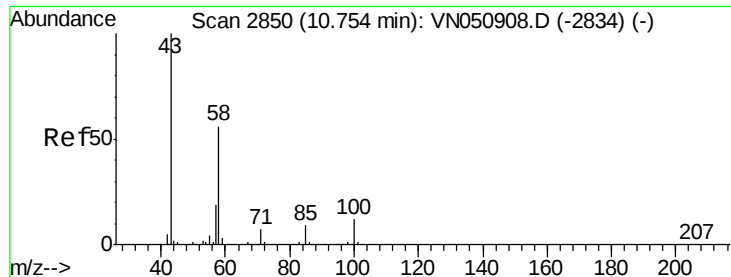
MMDadoda
9/17/2018 1:39:28 PM



#58
4-Methyl-2-Pentanone
Concen: 76.07 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	455796		
58	41.0	32.3	48.5	
85	19.1	14.9	22.3	





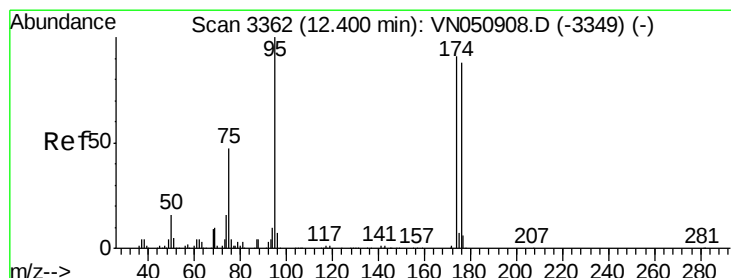
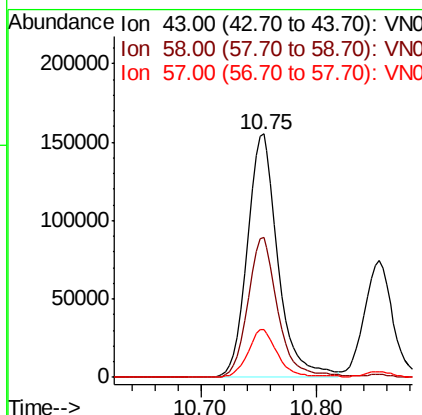
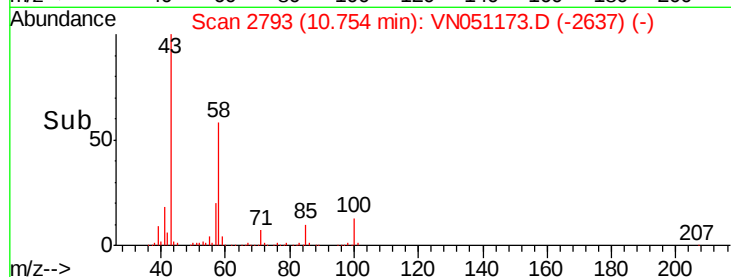
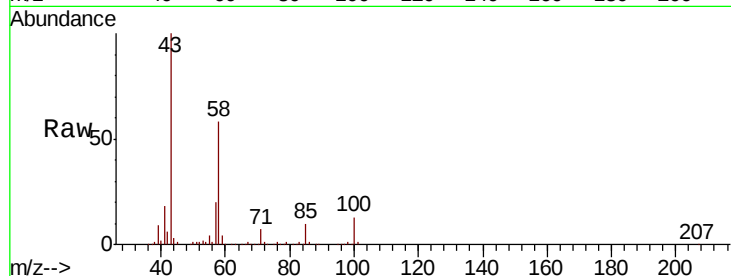
#59
2-Hexanone
Concen: 72.79 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.5	68.3
57	19.2	15.2	22.8

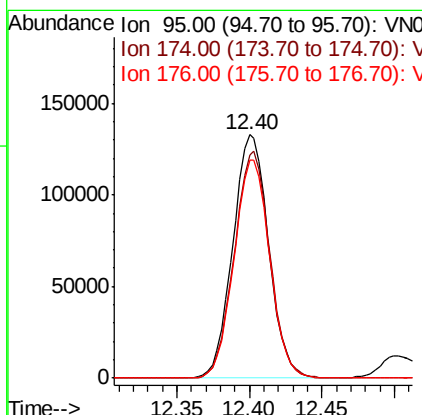
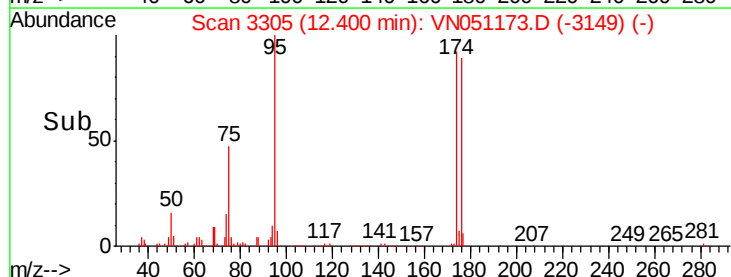
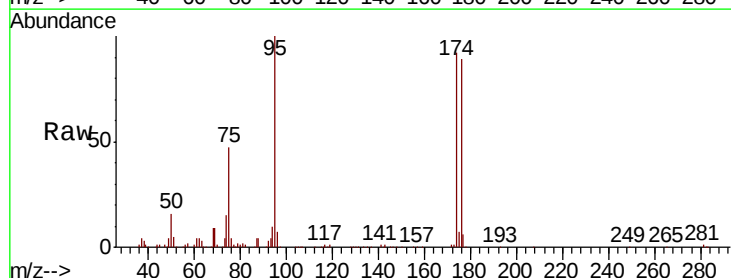
Manual Integrations
APPROVED

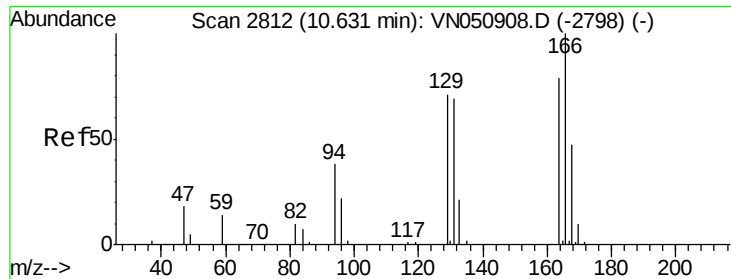
MMDadoda
9/17/2018 1:39:28 PM



#60
4-Bromofluorobenzene
Concen: 29.15 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	74.6	112.0
176	89.9	71.5	107.3





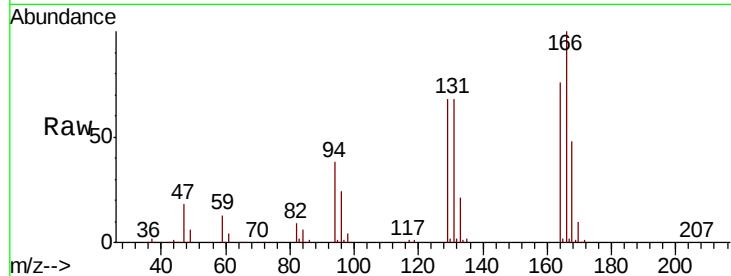
#61
Tetrachloroethene
Concen: 21.02 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

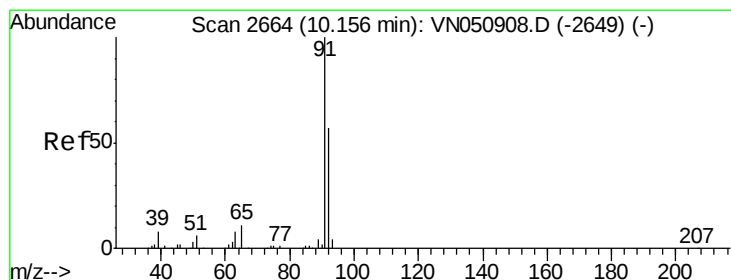
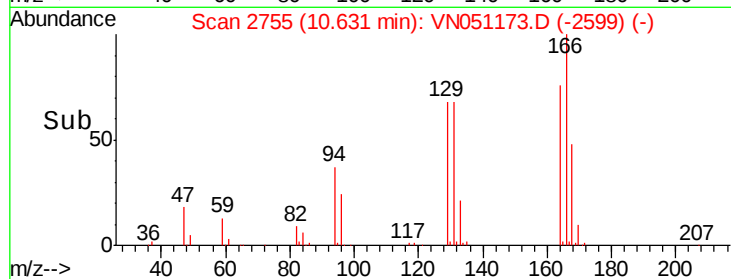
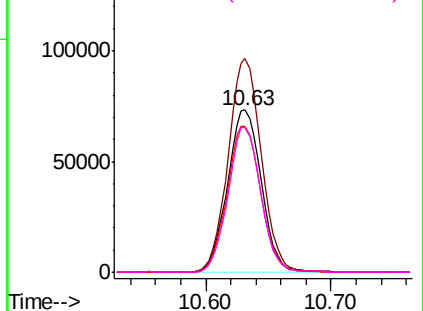
Tot Ion	Ratio	Lower	Upper
164	100		
166	131.6	100.6	151.0
129	89.9	71.0	106.6
131	89.2	69.3	103.9

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

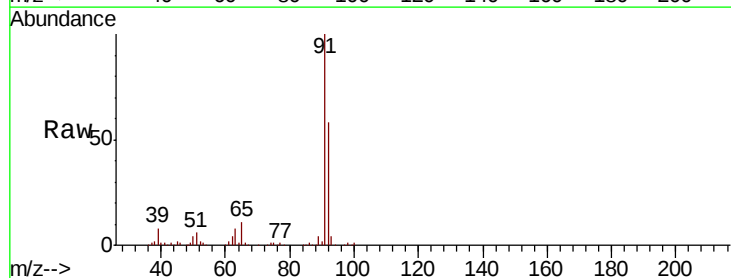


Abundance Ion 163.85 (163.55 to 164.55): V
150000
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

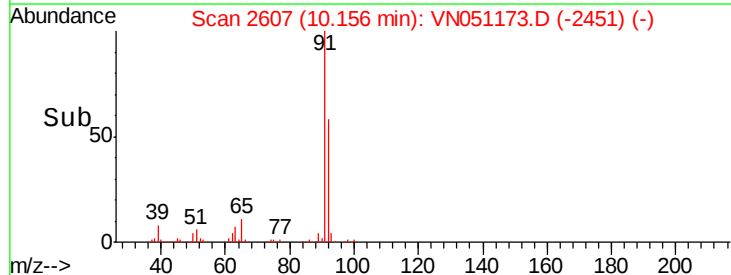
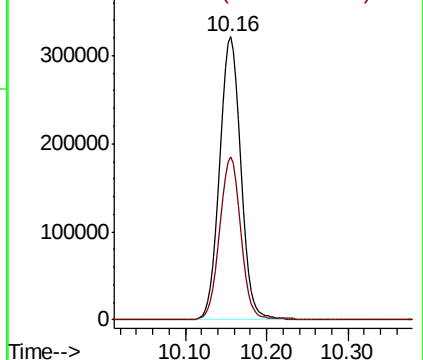


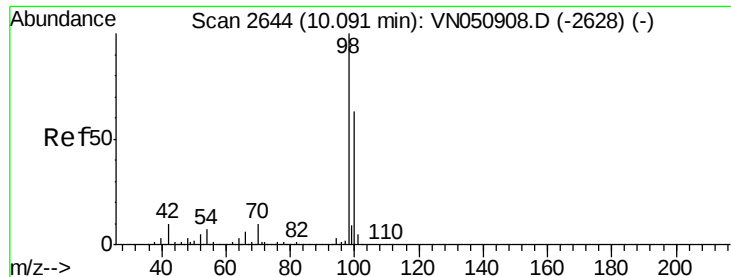
#62
Toluene
Concen: 20.53 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.8	68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.94 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 755626

Ion Ratio Lower Upper

98 100

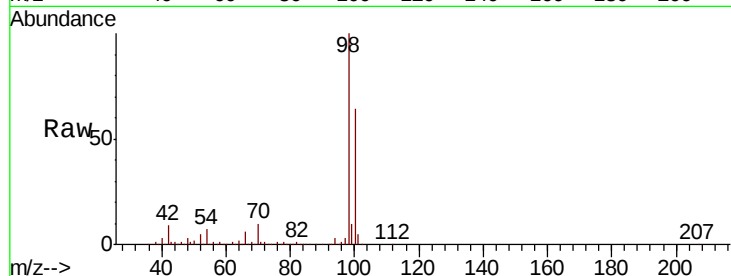
100 64.1 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:28 PM



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

400000

300000

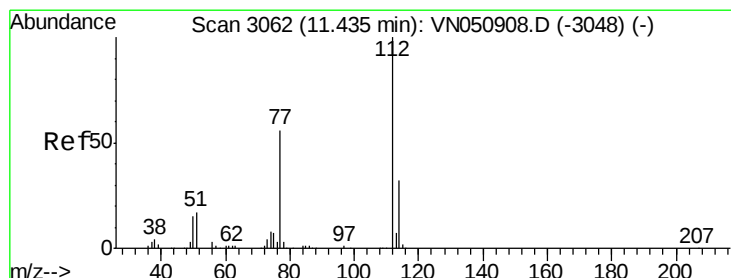
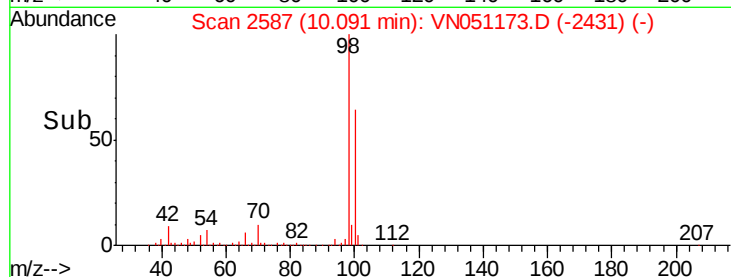
200000

100000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.12 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051173.D

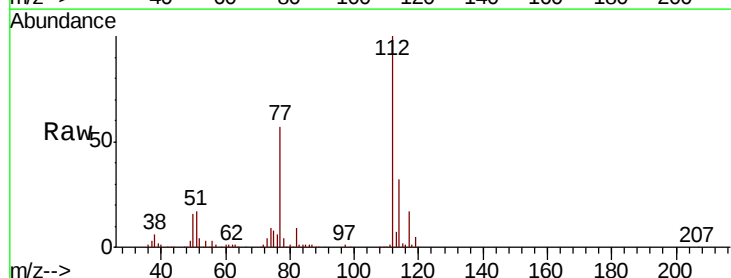
Acq: 14 Sep 2018 7:44

Tgt Ion: 112 Resp: 364370

Ion Ratio Lower Upper

112 100

114 32.3 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.43

200000

150000

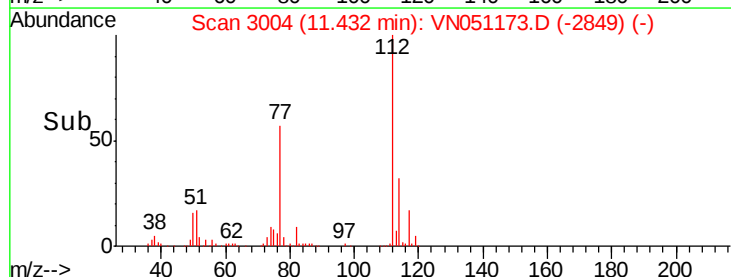
100000

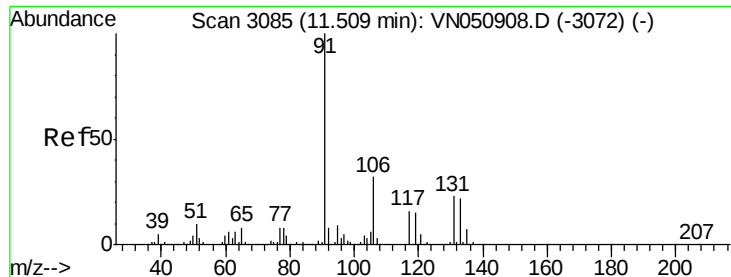
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.00 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

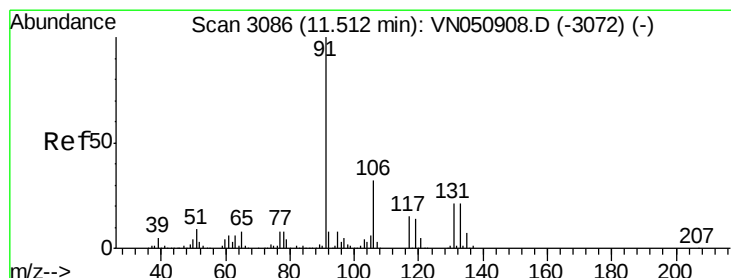
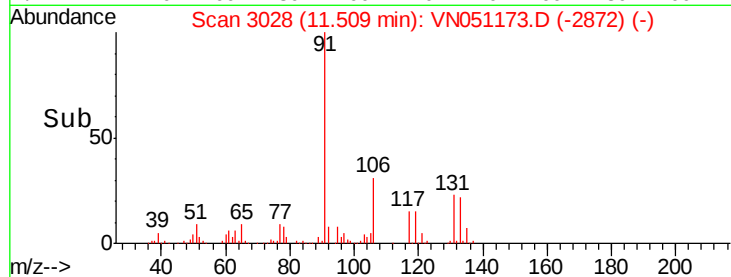
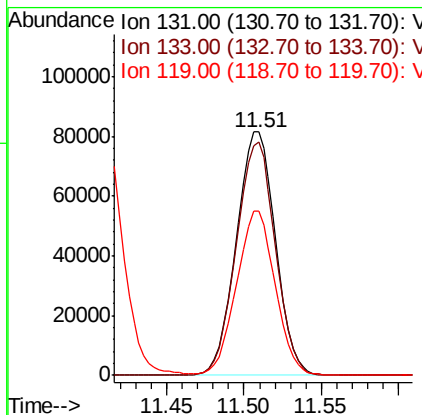
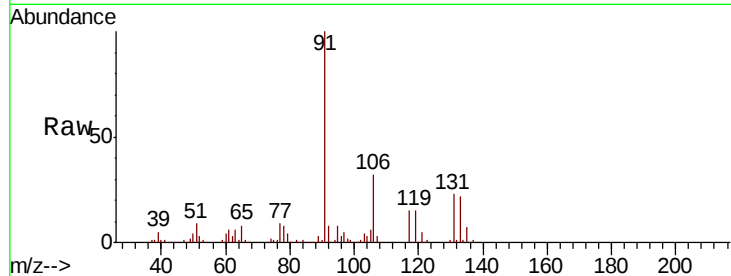
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	143546
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	189.4
119	66.7	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#66

Ethyl Benzene

Concen: 19.53 ug/l

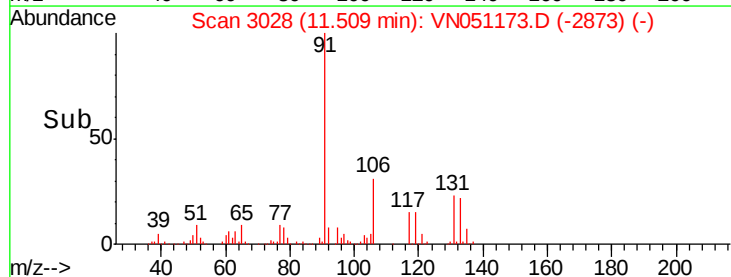
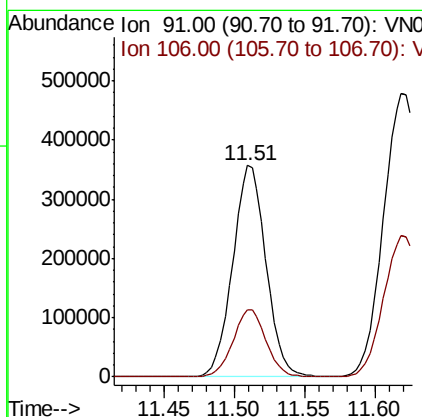
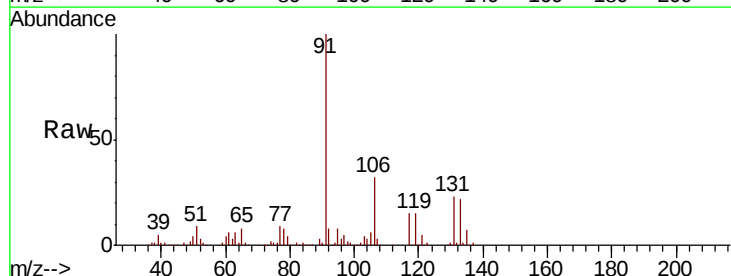
RT: 11.51 min Scan# 3028

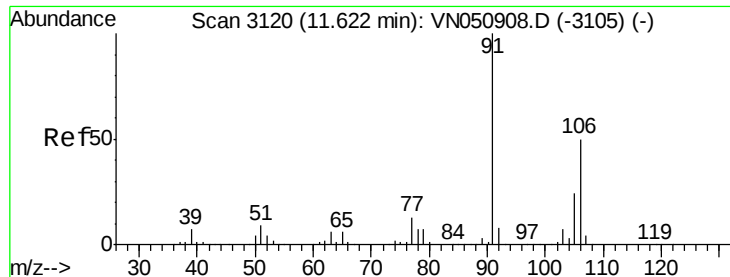
Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	91	Resp:	590988
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.7	38.5





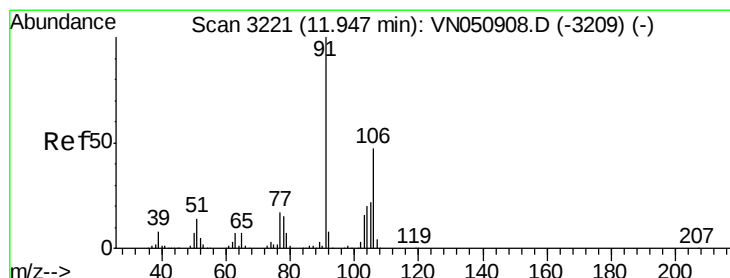
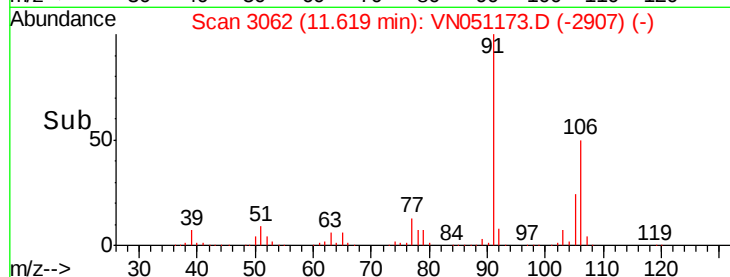
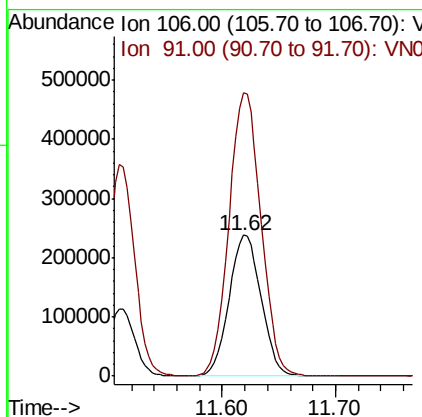
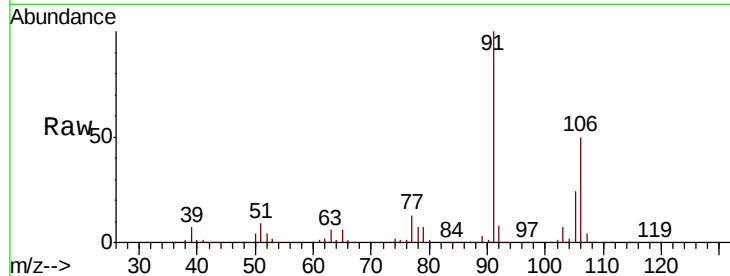
#67
m/p-Xylenes
Concen: 40.38 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 470130
Ion Ratio Lower Upper
106 100
91 200.0 160.6 241.0

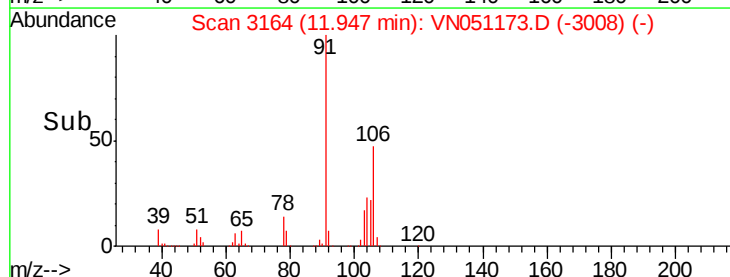
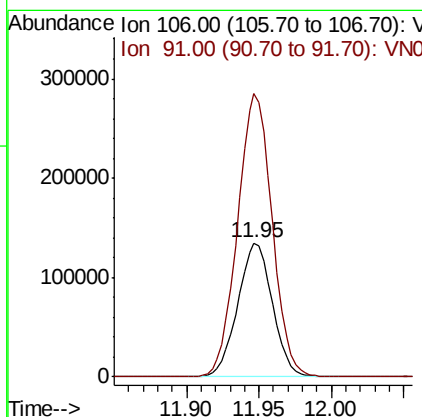
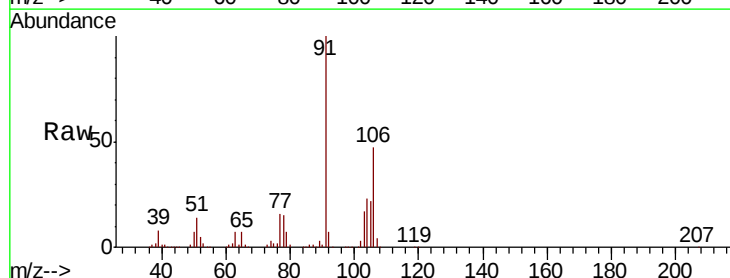
Manual Integrations
APPROVED

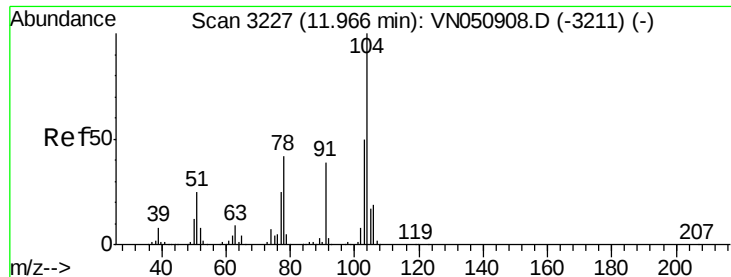
MMDadoda
9/17/2018 1:39:28 PM



#68
o-Xylene
Concen: 20.18 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion:106 Resp: 224464
Ion Ratio Lower Upper
106 100
91 210.3 106.4 319.2





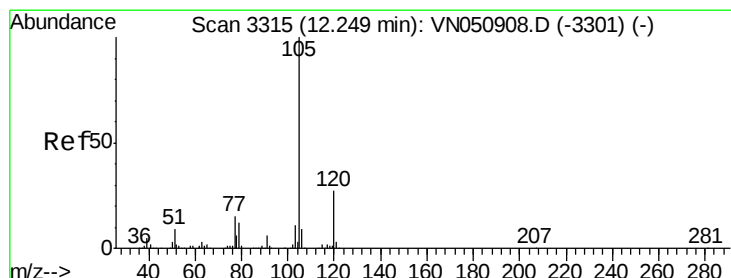
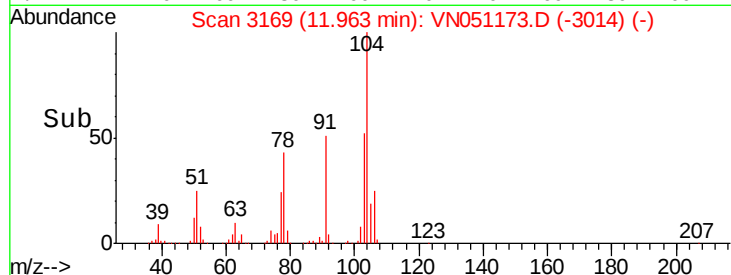
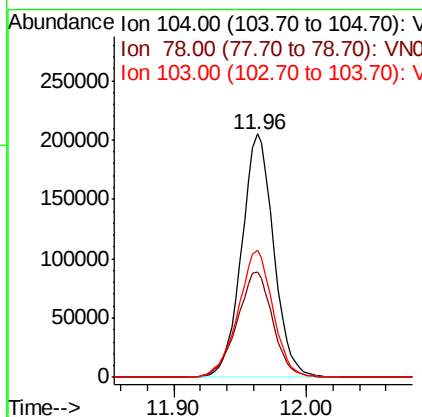
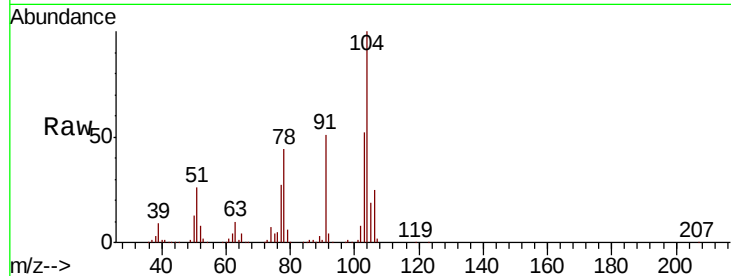
#69
Stvrene
Concen: 19.48 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	344653		
78	48.1		38.6	58.0
103	56.8		45.4	68.2

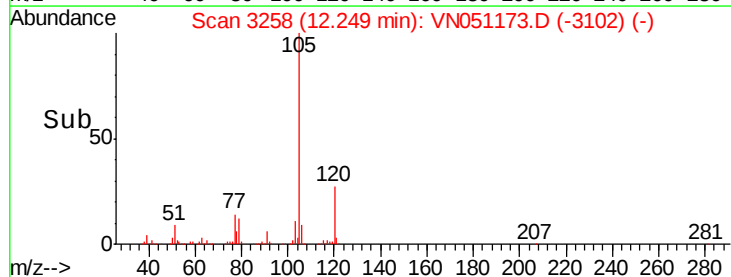
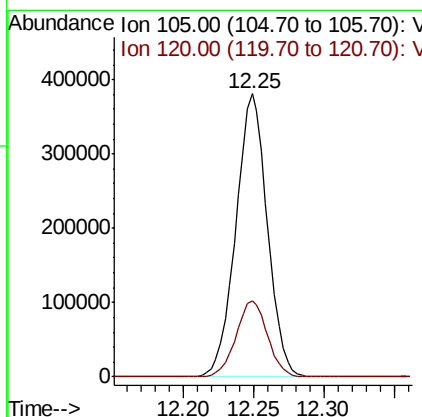
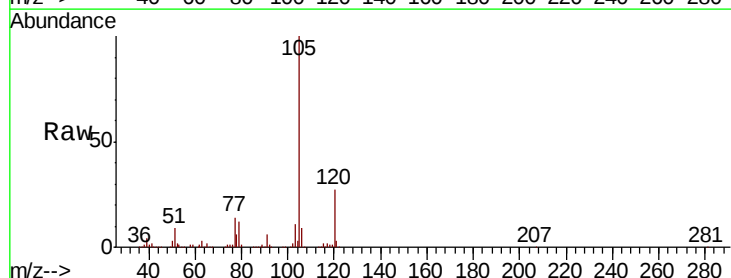
Manual Integrations
APPROVED

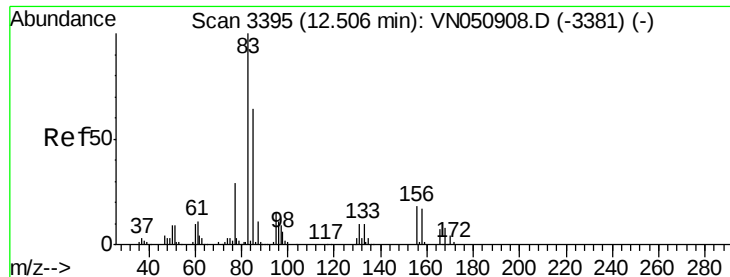
MMDadoda
9/17/2018 1:39:28 PM



#70
Isopropylbenzene
Concen: 20.12 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	594943		
120	27.1		18.6	34.6





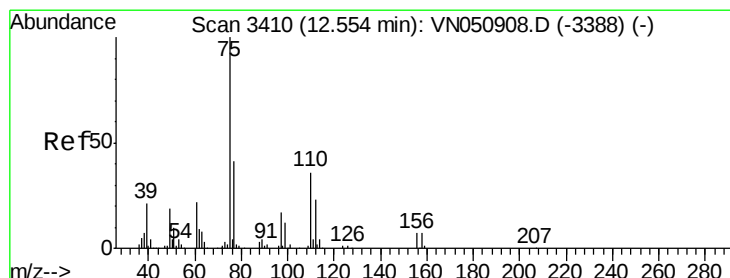
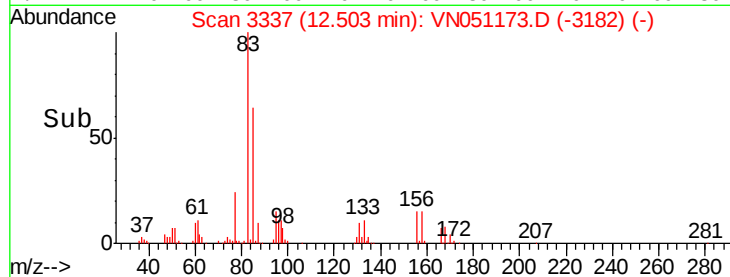
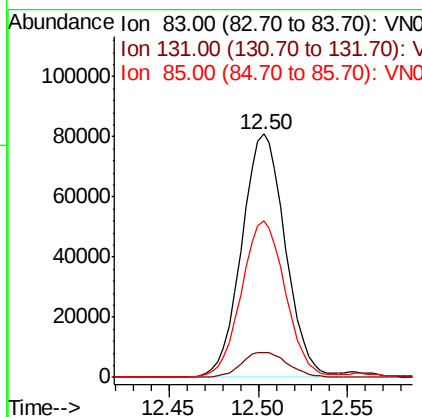
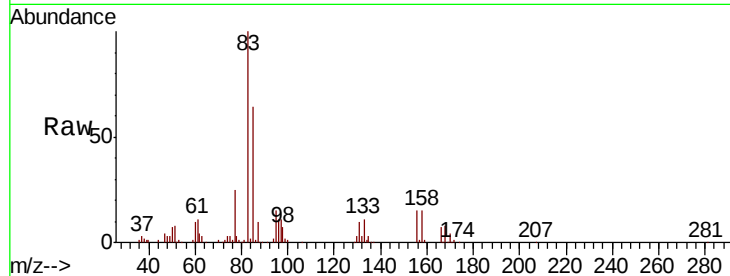
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.29 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.9	5.3	15.9	
85	64.8	32.3	96.9	

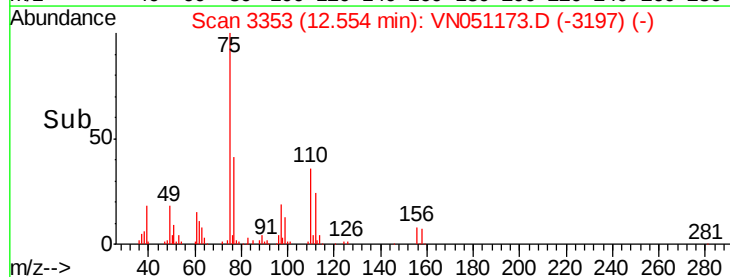
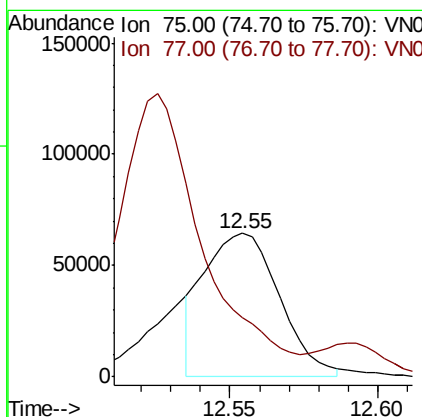
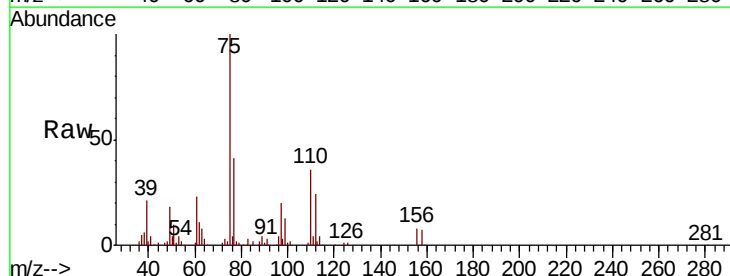
Manual Integrations
 APPROVED

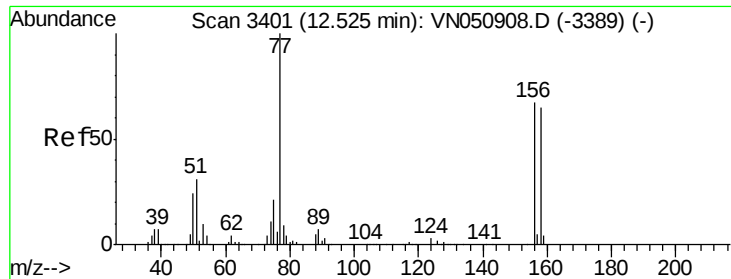
MMDadoda
 9/17/2018 1:39:28 PM



#72
 1,2,3-Trichloropropane
 Concen: 16.66 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	220.5	0.0	301.6	





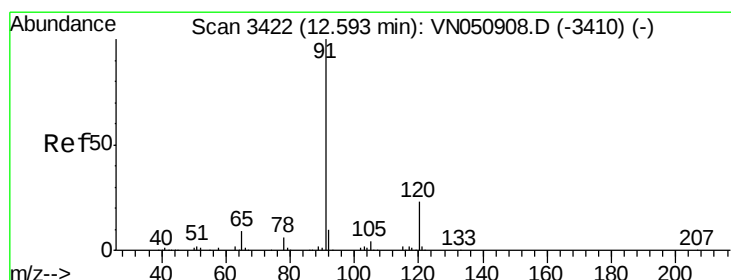
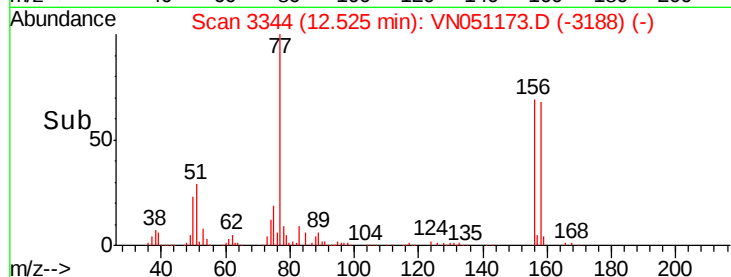
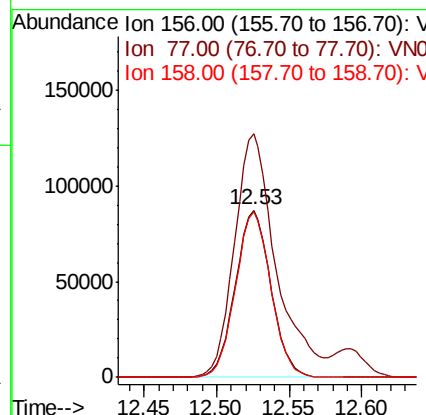
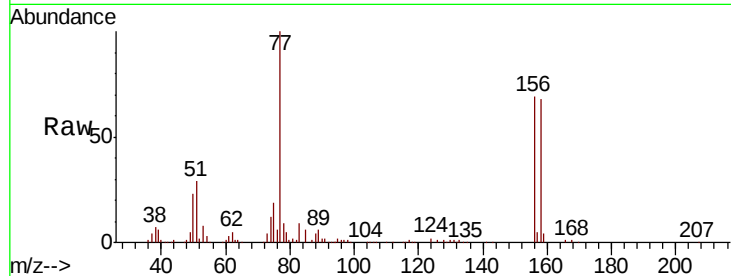
#73
Bromobenzene
Concen: 19.16 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	149053		
77	170.2	0.0	359.4	
158	98.1	0.0	194.6	

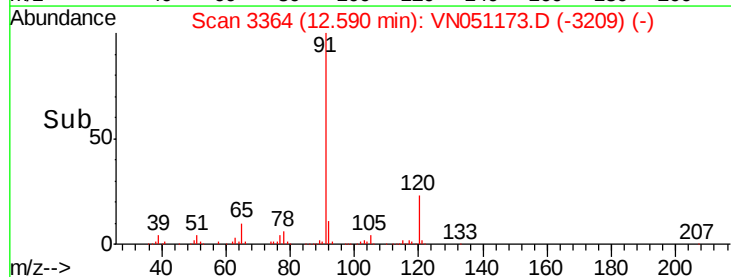
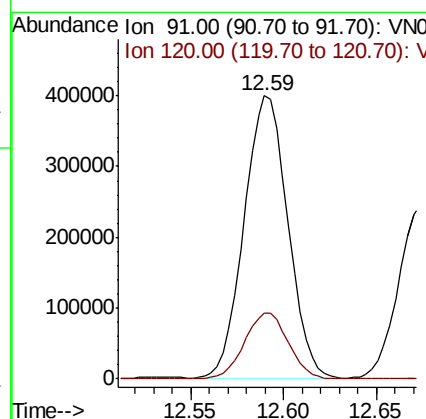
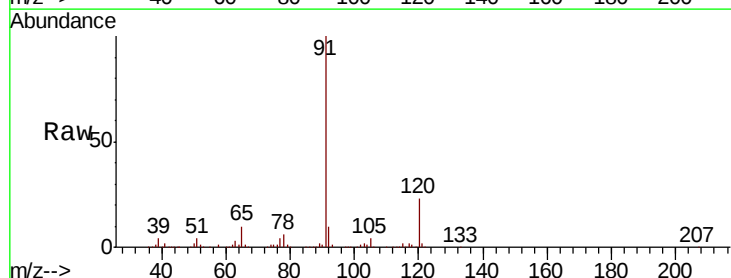
Manual Integrations
APPROVED

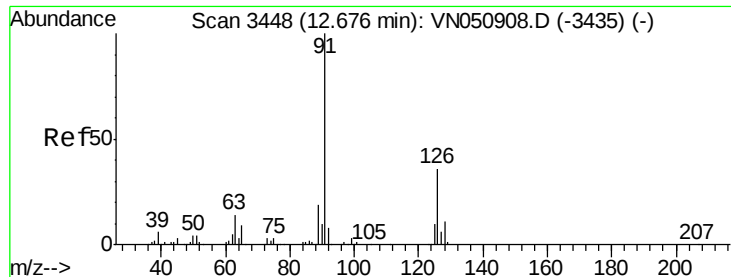
MMDadoda
9/17/2018 1:39:28 PM



#74
n-propylbenzene
Concen: 19.60 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	655261		
120	23.1	0.0	46.0	





#75

2-Chlorotoluene

Concen: 19.79 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 401852

Ion Ratio Lower Upper

91 100

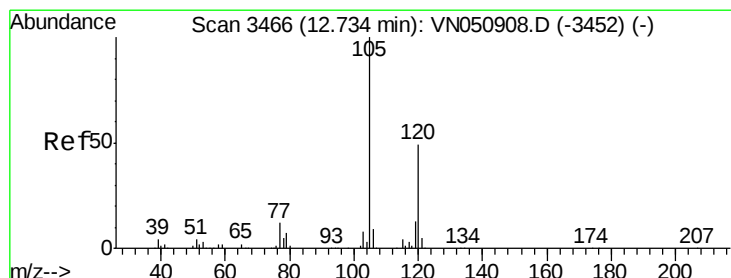
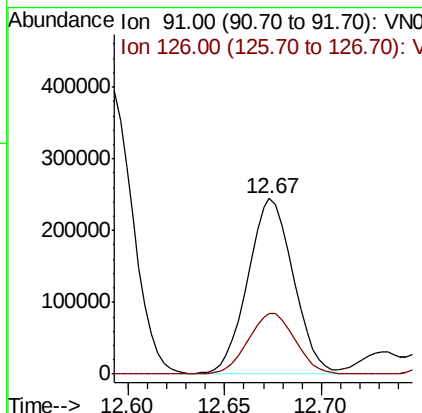
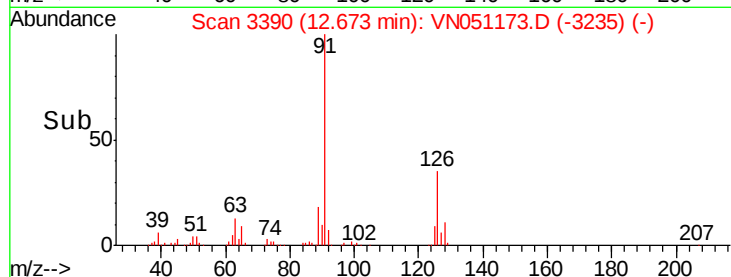
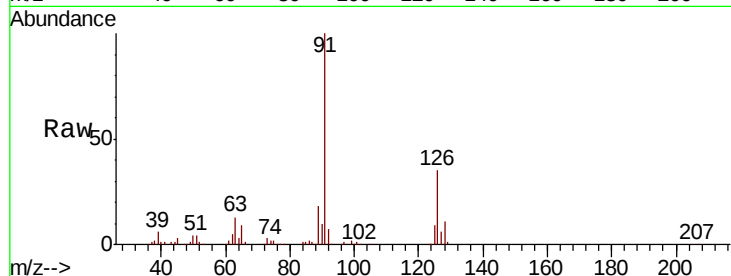
126 35.7 0.0 71.8

Manual Integrations

APPROVED

MMDadoda

9/17/2018 1:39:28 PM



#76

1,3,5-Trimethylbenzene

Concen: 20.17 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051173.D

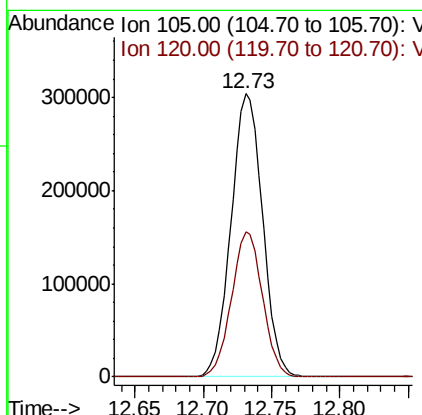
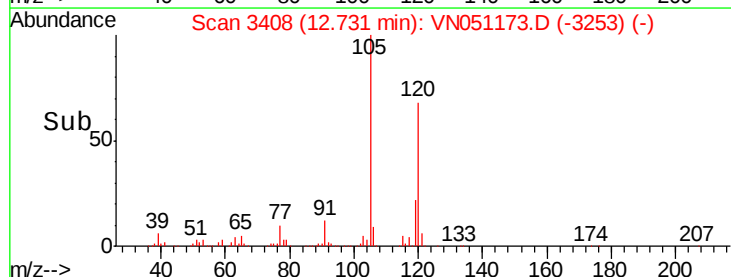
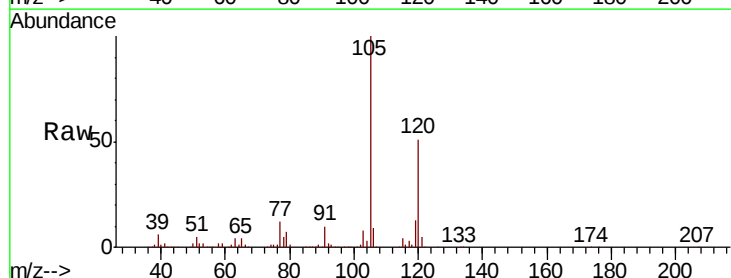
Acq: 14 Sep 2018 7:44

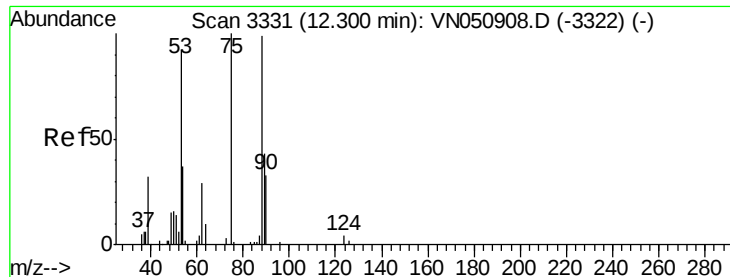
Tgt Ion: 105 Resp: 487409

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 14.76 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

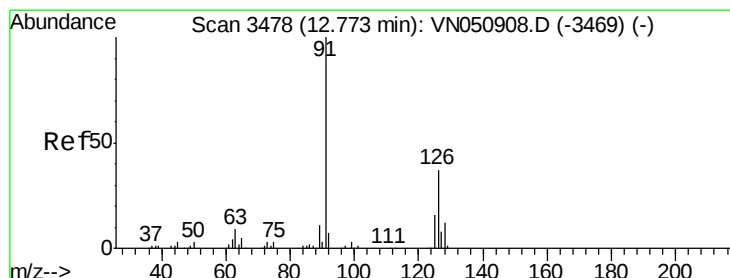
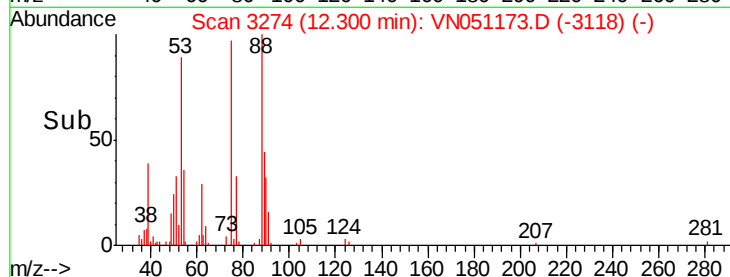
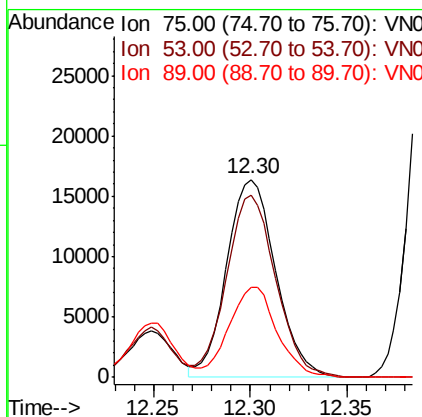
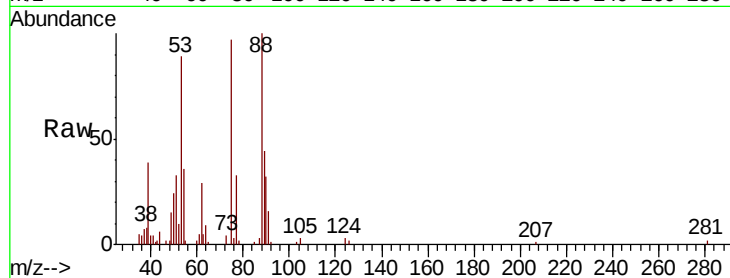
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	29040
Ion	Ratio	Lower	Upper
75	100		
53	90.7	45.5	136.4
89	45.7	21.9	65.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#78

4-Chlorotoluene

Concen: 18.85 ug/l

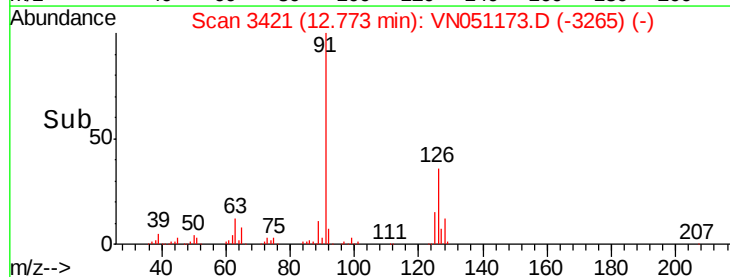
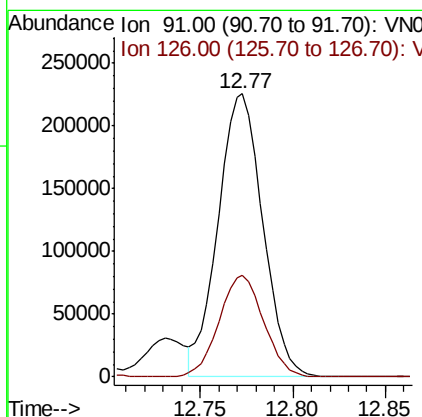
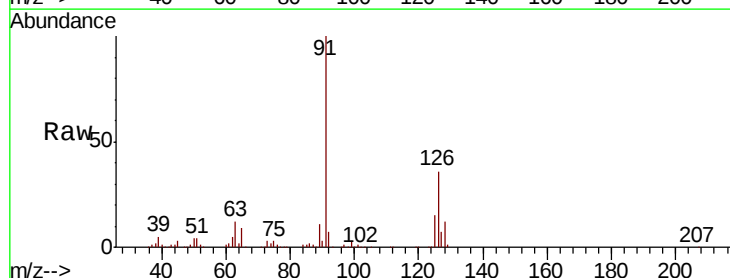
RT: 12.77 min Scan# 3421

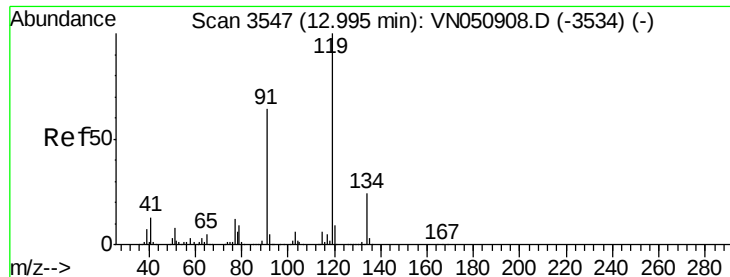
Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	91	Resp:	376871
Ion	Ratio	Lower	Upper
91	100		
126	35.9	0.0	69.8





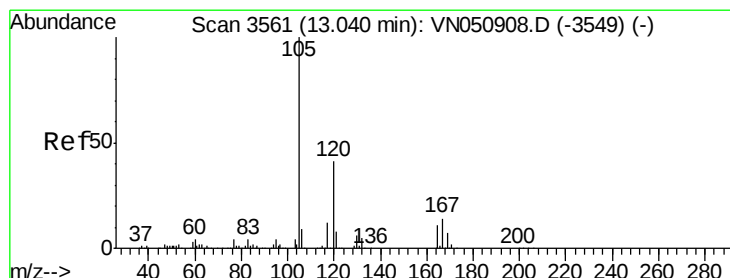
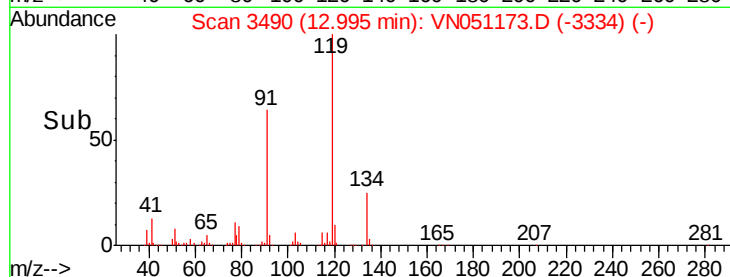
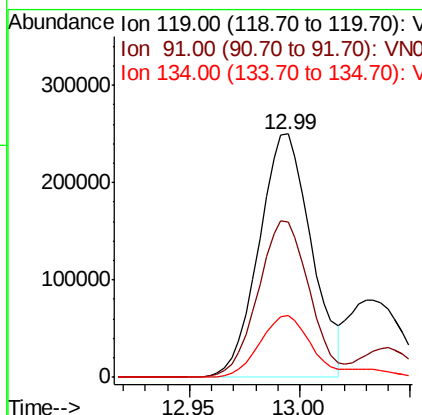
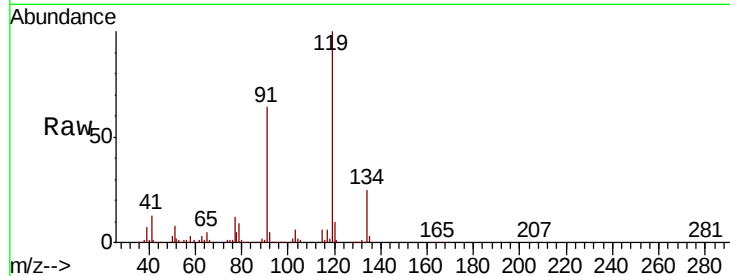
#79
tert-butylbenzene
Concen: 19.73 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	413911		
91	62.9	0.0	125.6	
134	24.6	0.0	48.4	

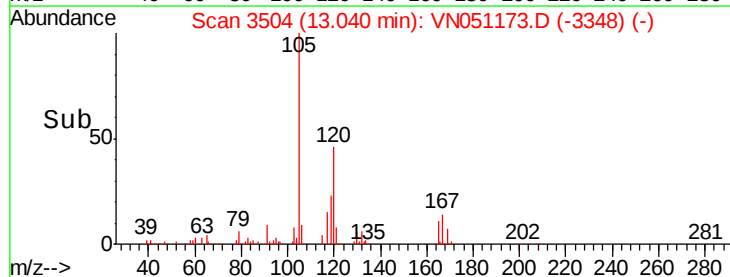
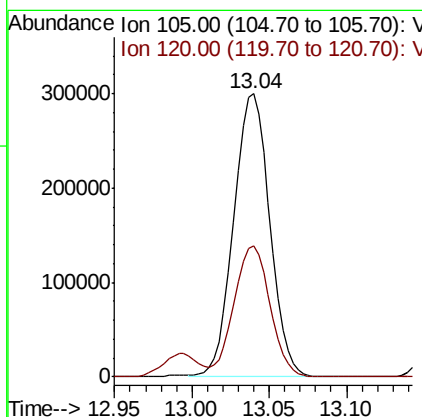
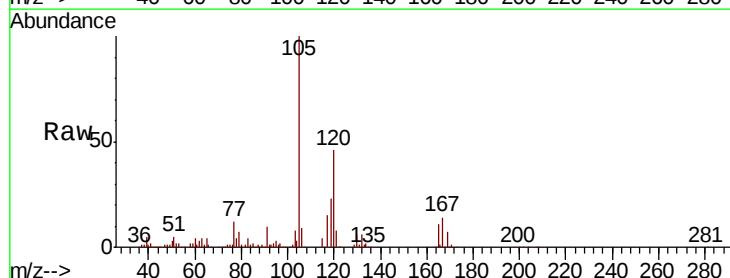
Manual Integrations
APPROVED

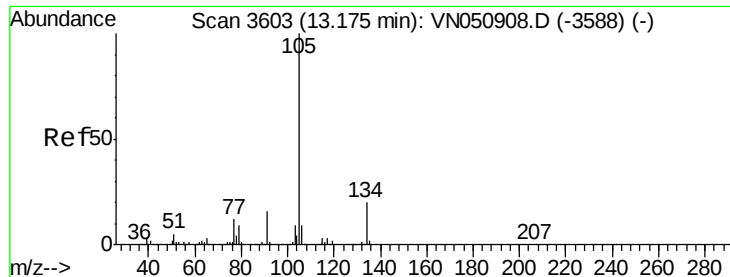
MMDadoda
9/17/2018 1:39:28 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.18 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	486037		
120	46.3	0.0	93.6	





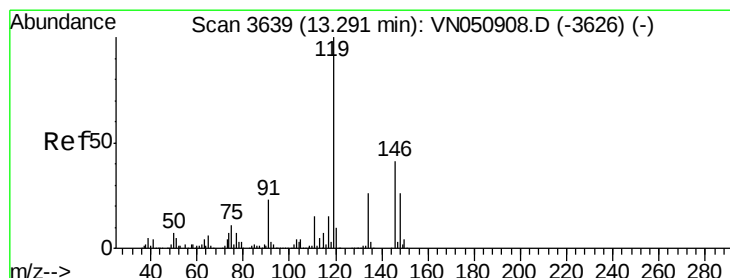
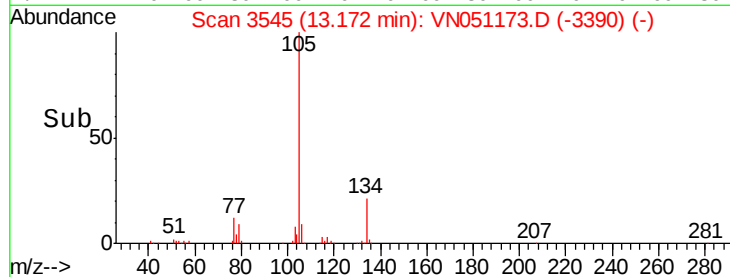
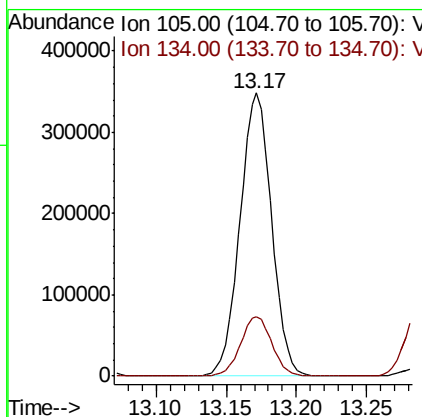
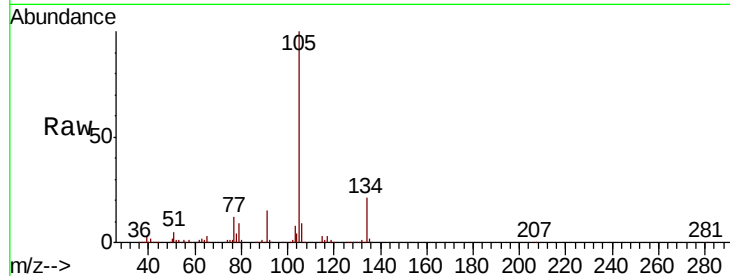
#81
 sec-Butylbenzene
 Concen: 19.97 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	548118		
134	20.8	0.0	40.8	

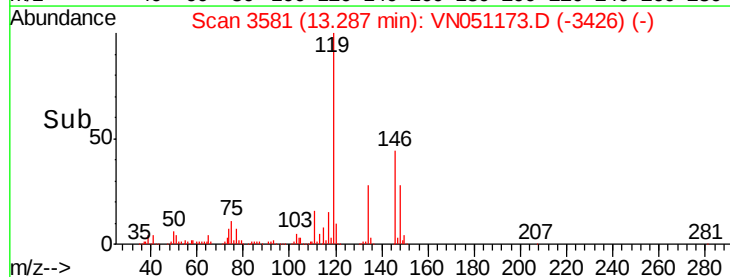
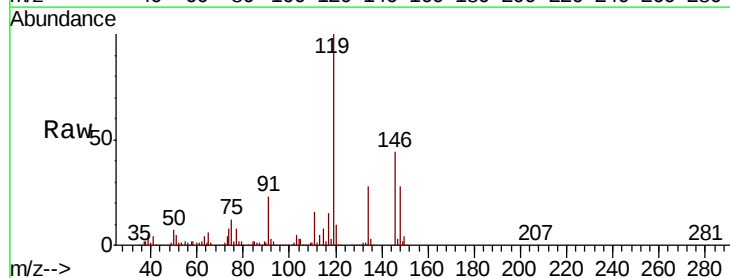
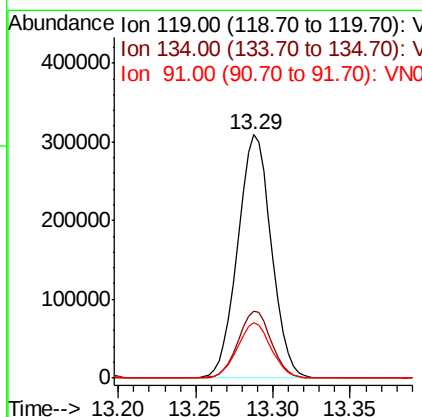
Manual Integrations
 APPROVED

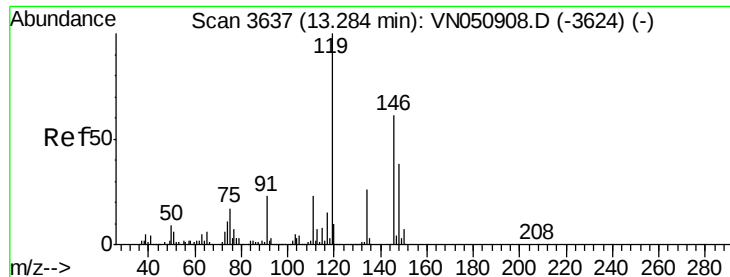
MMDadoda
 9/17/2018 1:39:28 PM



#82
 p-Isopropyltoluene
 Concen: 19.68 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	466367		
134	27.4	0.0	53.2	
91	22.8	0.0	46.0	





#83

1,3-Dichlorobenzene

Concen: 18.59 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

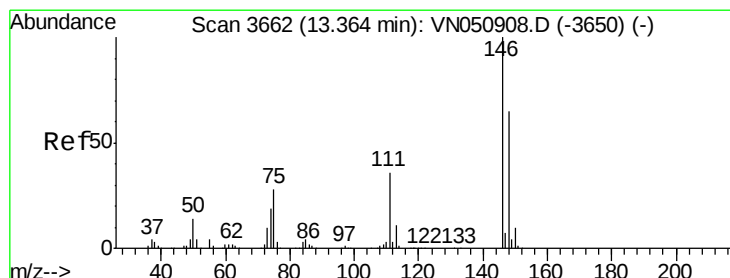
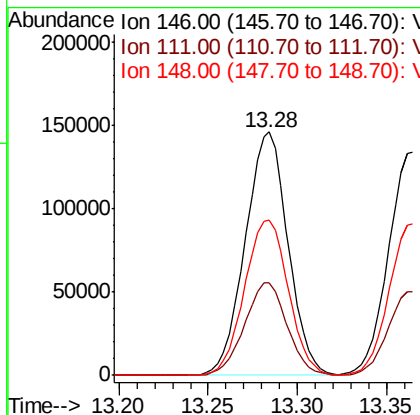
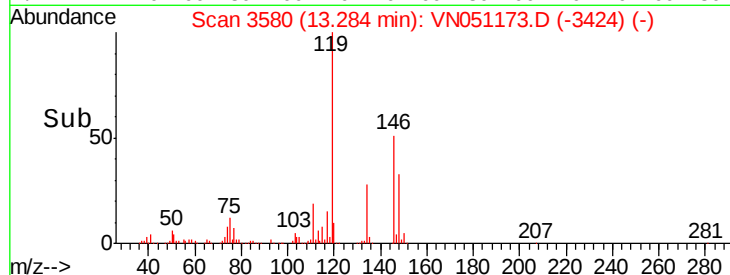
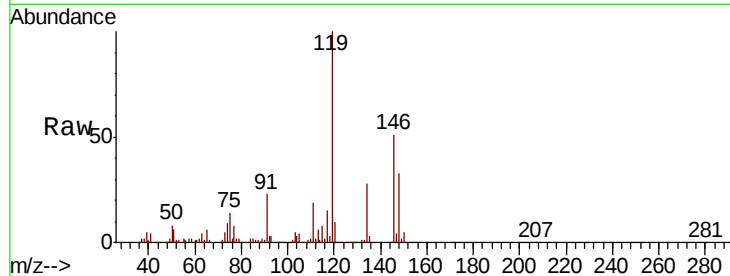
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	244531
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.6
148	65.4	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#84

1,4-Dichlorobenzene

Concen: 18.01 ug/l

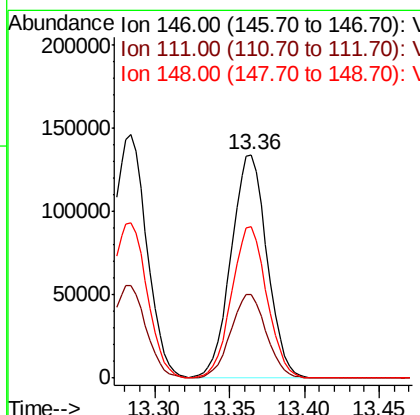
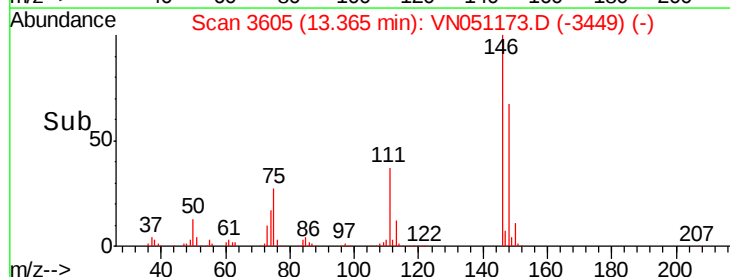
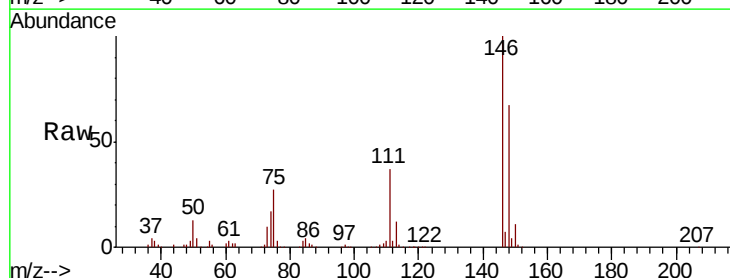
RT: 13.36 min Scan# 3605

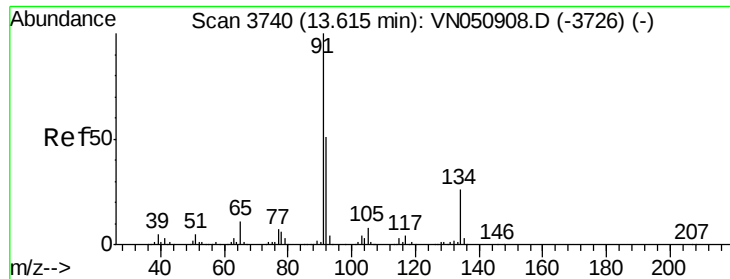
Delta R.T. 0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	146	Resp:	224429
Ion Ratio	Lower	Upper	
146	100		
111	36.7	17.7	53.1
148	66.4	31.6	94.8





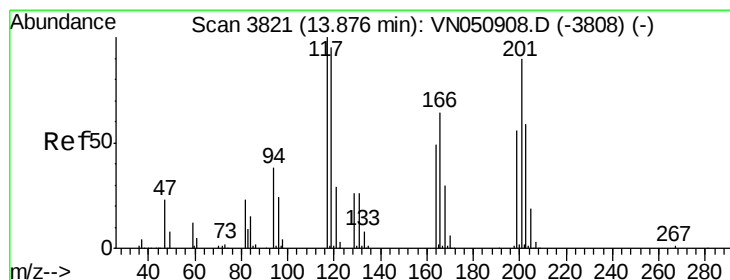
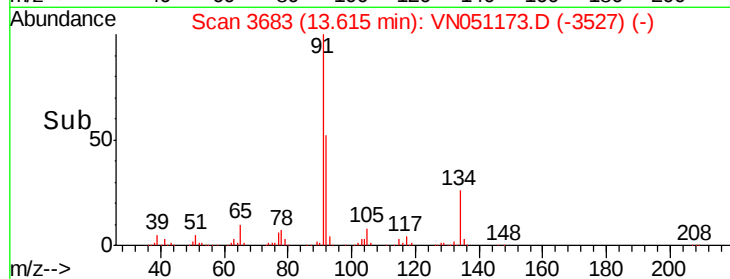
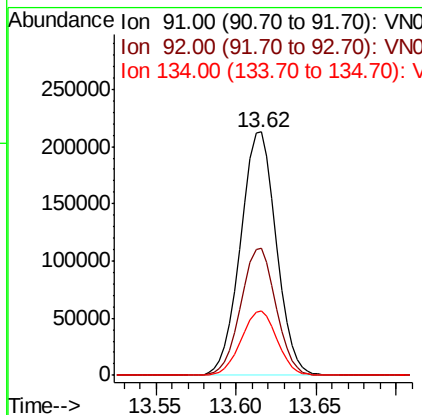
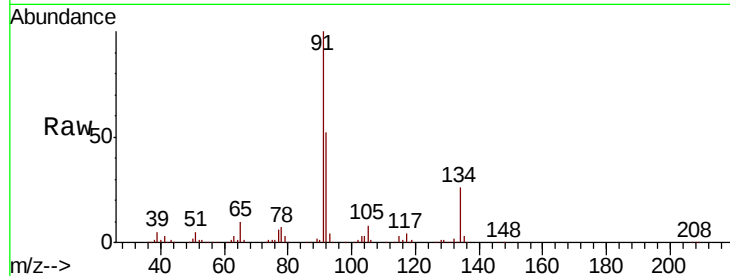
#85
n-Butylbenzene
Concen: 17.87 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	101.8
134	26.4	0.0	52.2

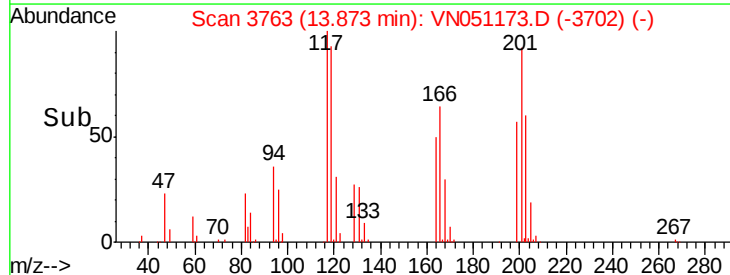
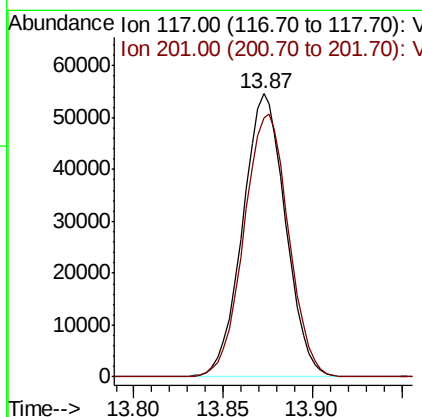
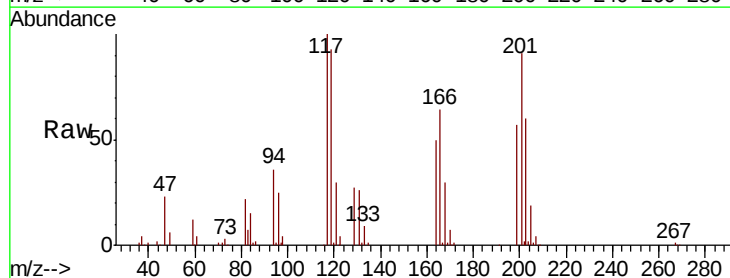
Manual Integrations
APPROVED

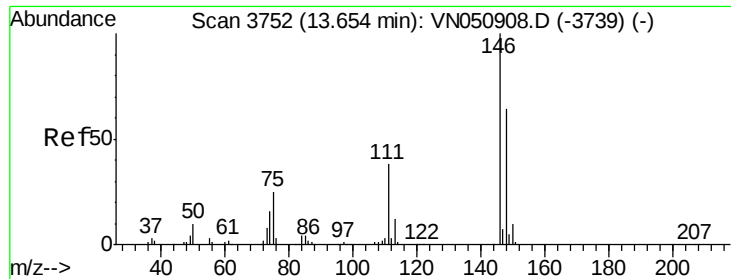
MMDadoda
9/17/2018 1:39:28 PM



#86
Hexachloroethane
Concen: 20.19 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	45.8	137.4





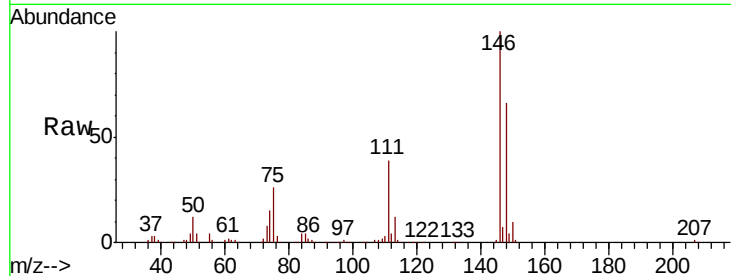
#87
 1,2-Dichlorobenzene
 Concen: 18.58 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	64.6	31.9	95.9

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:28 PM

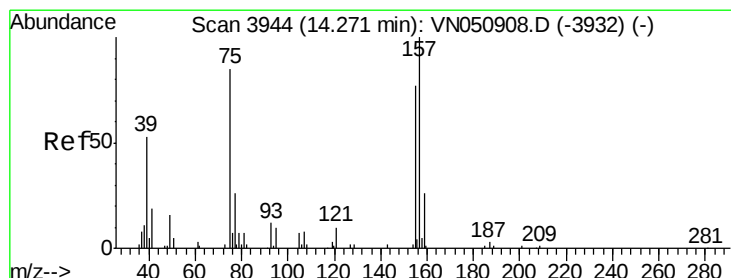
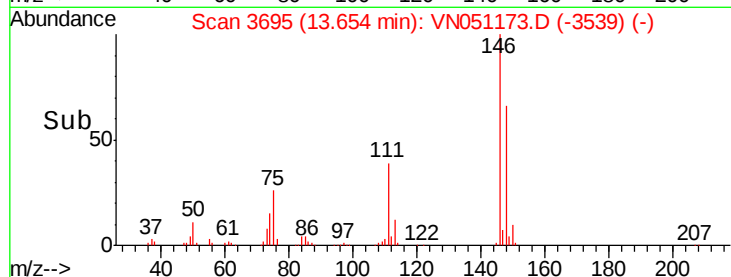
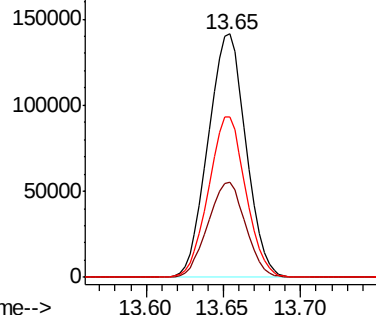


Abundance

Ion 146.00 (145.70 to 146.70): V

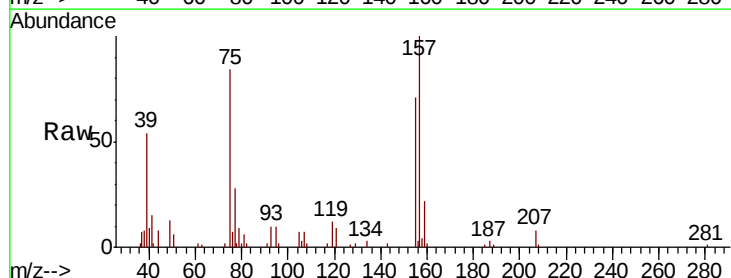
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.46 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051173.D
 Acq: 14 Sep 2018 7:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	71.8	107.6
157	124.7	91.1	136.7

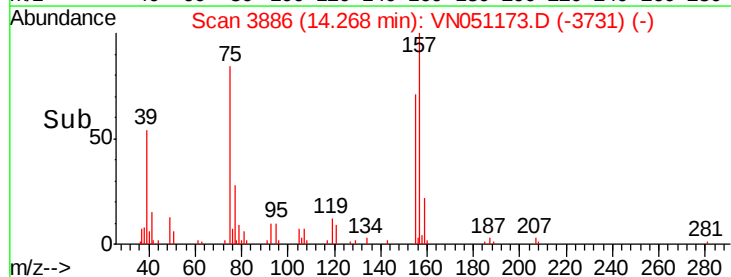
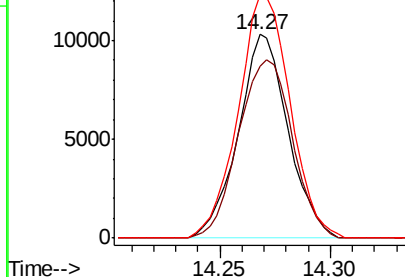


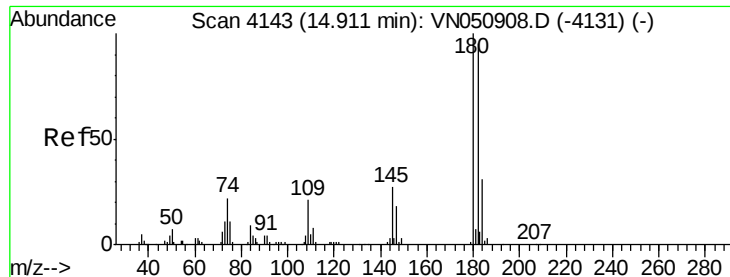
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 13.48 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Instrument :

MSVOA_N

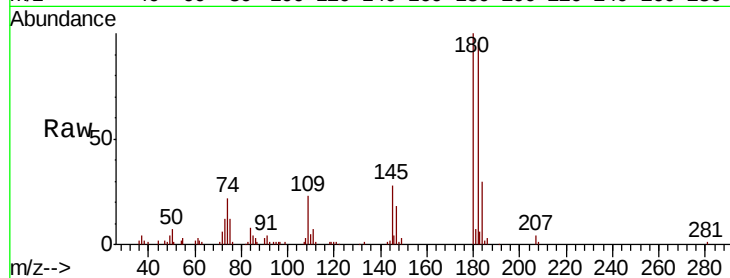
ClientSampled :

VSTDCCC020

Tot Ion:	180	Resp:	77658
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.2	114.4
145	28.0	22.2	33.4

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM

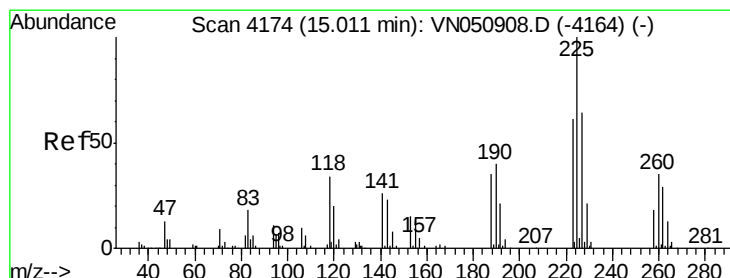
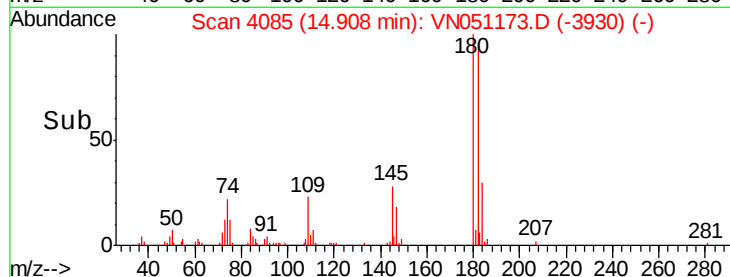
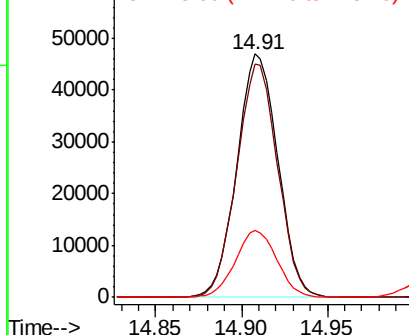


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 21.00 ug/l

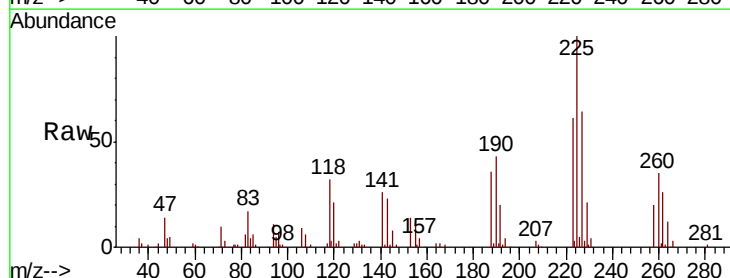
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN051173.D

Acq: 14 Sep 2018 7:44

Tgt Ion:	225	Resp:	82203
Ion Ratio	Lower	Upper	
225	100		
223	62.4	0.0	127.8
227	63.6	0.0	128.4

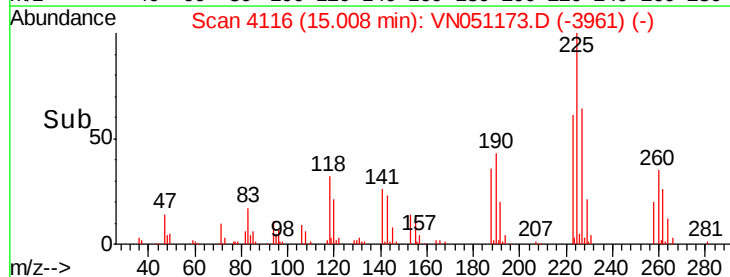
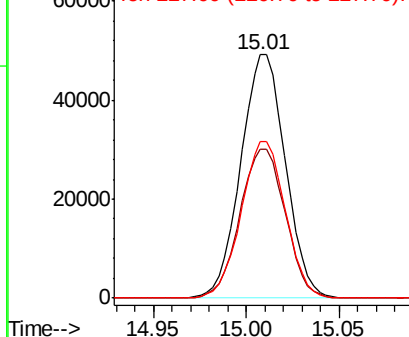


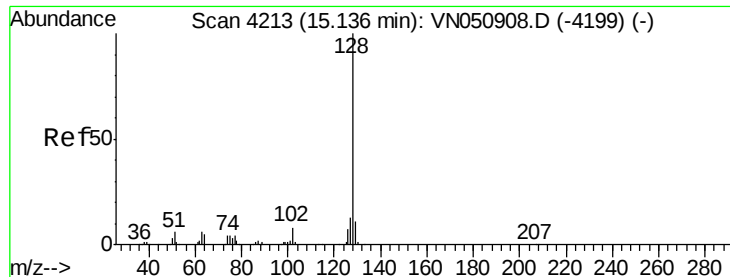
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





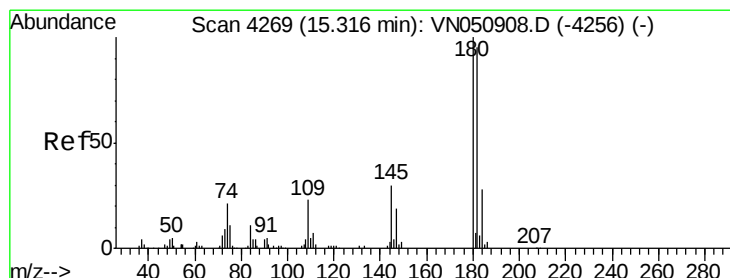
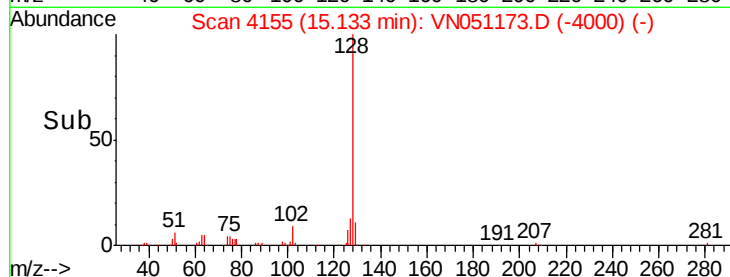
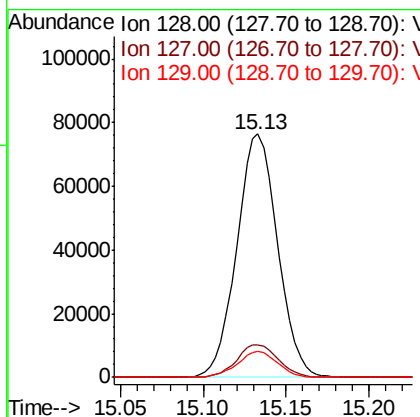
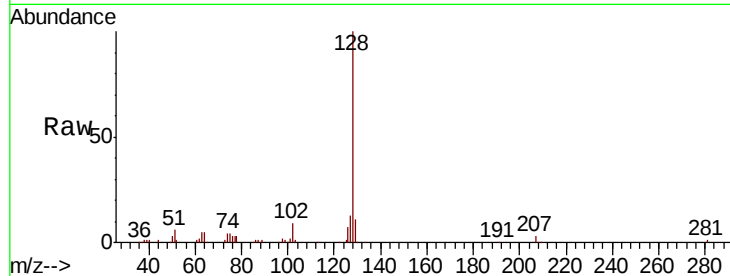
#91
Naphthalene
Concen: 15.85 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.7		10.6	16.0	
129	10.4		8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:28 PM



#92
1,2,3-Trichlorobenzene
Concen: 14.38 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051173.D
Acq: 14 Sep 2018 7:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.3		0.0	192.8	
145	29.6		0.0	60.0	

