

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052015.D
 Acq On : 25 Oct 2018 17:24
 Operator : MD\SY
 Sample : J5681-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SPDES-1

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:20:04 AM

Quant Time: Oct 26 02:27:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	165090	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	912411	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	774258	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	286363	28.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.03%
60) 4-Bromofluorobenzene	12.40	95	289207	25.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.33%
63) Toluene-d8	10.09	98	1015156	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
25) Chloroform	7.37	83	10135	0.608 ug/l	88
83) 1,3-Dichlorobenzene	13.28	146	5574	0.281 ug/l	91
84) 1,4-Dichlorobenzene	13.36	146	5644	0.303 ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	5875m	0.306 ug/l	
89) 1,2,4-Trichlorobenzene	14.91	180	9702	8.494 ug/l	94
90) Hexachlorobutadiene	15.01	225	4269	0.691 ug/l	92
91) Naphthalene	15.13	128	19188	9.266 ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	10230	1.173 ug/l	82

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

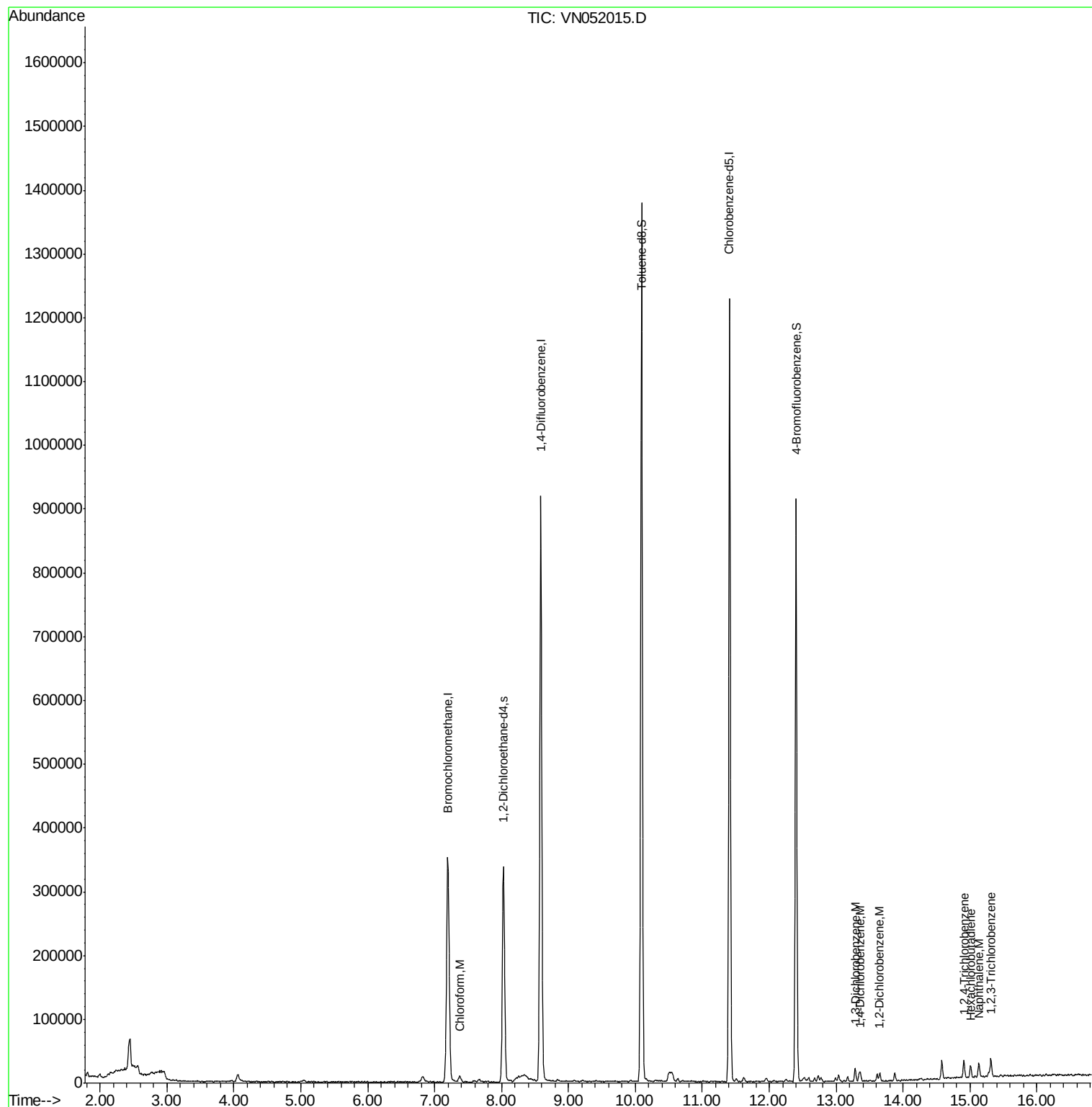
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102518\
Data File : VN052015.D
Acq On : 25 Oct 2018 17:24
Operator : MD\SY
Sample : J5681-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 28

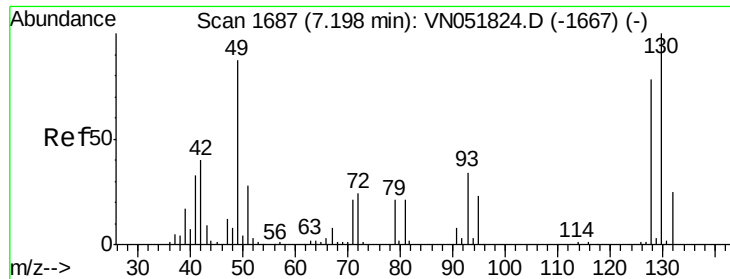
Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Manual Integrations
APPROVED

MM Dadoda
10/26/2018 9:20:04 AM

Quant Time: Oct 26 02:27:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





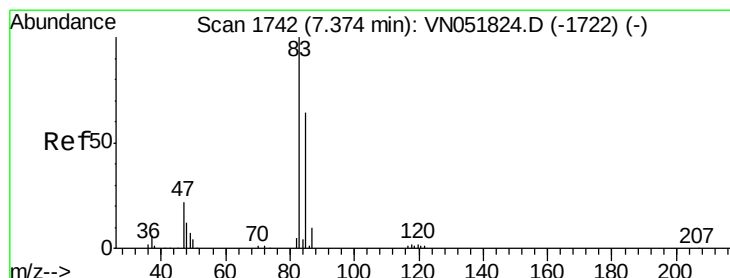
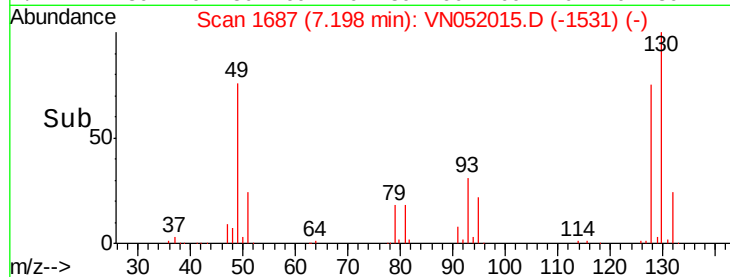
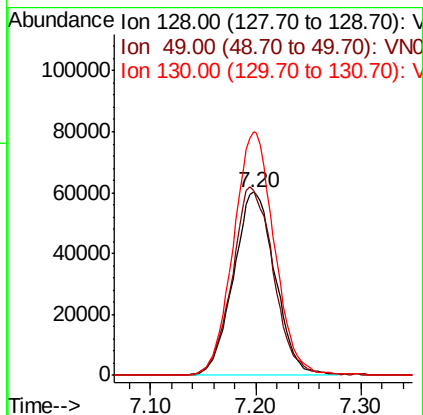
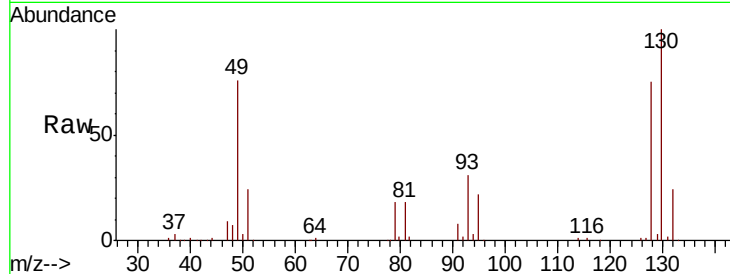
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	165090		
49	100.4	0.0	403.3	
130	129.9	0.0	326.0	

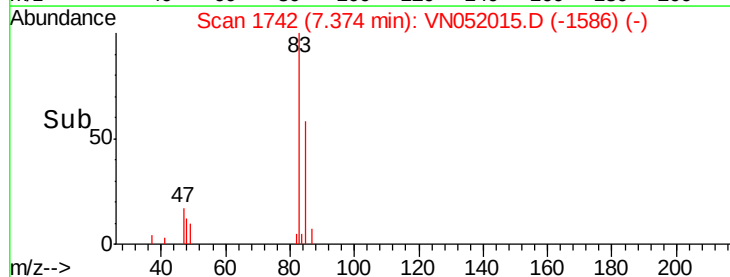
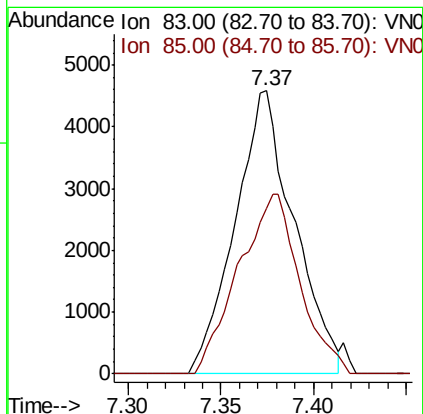
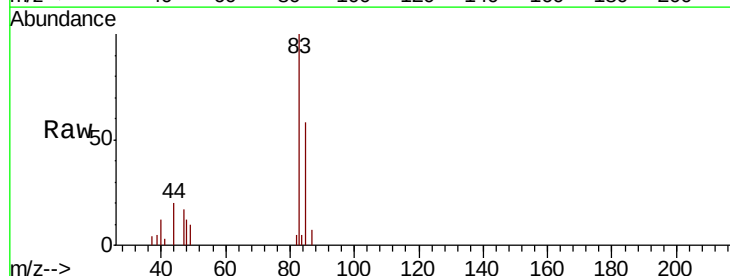
Manual Integrations
APPROVED

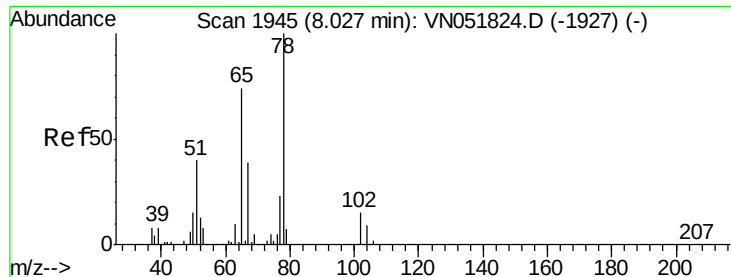
MMDadoda
10/26/2018 9:20:04 AM



#25
Chloroform
Concen: 0.608 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	10135		
85	58.5	54.6	82.0	





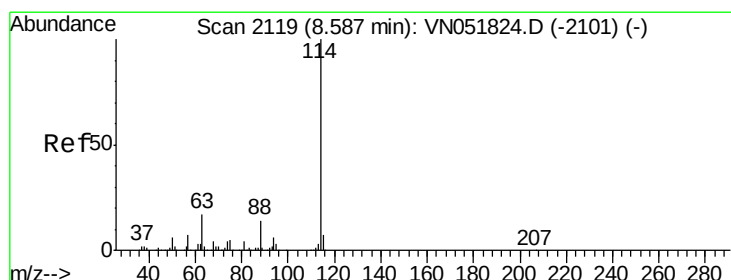
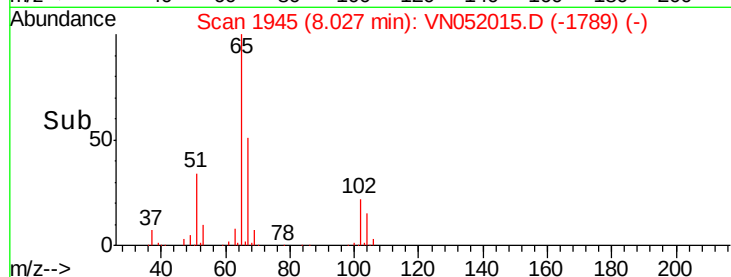
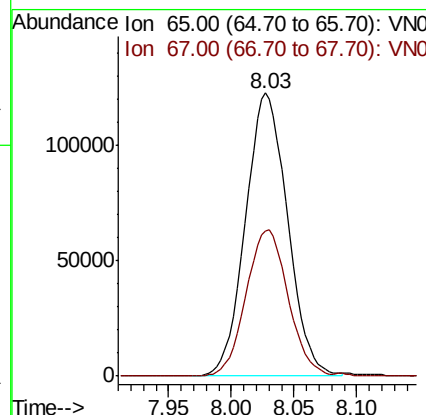
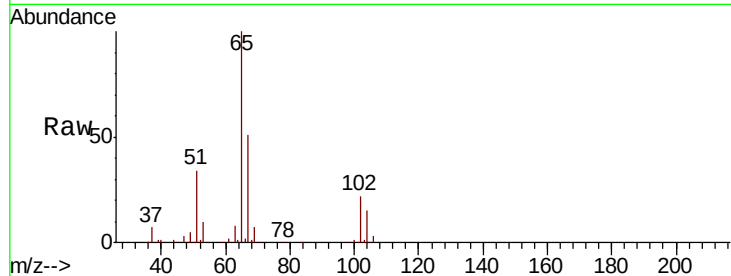
#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052015.D
 Acq: 25 Oct 2018 17:24

Instrument :
 MSVOA_N
 ClientSampled :
 SPDES-1

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.8	62.8

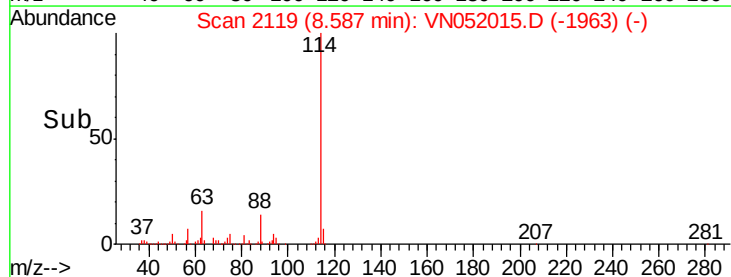
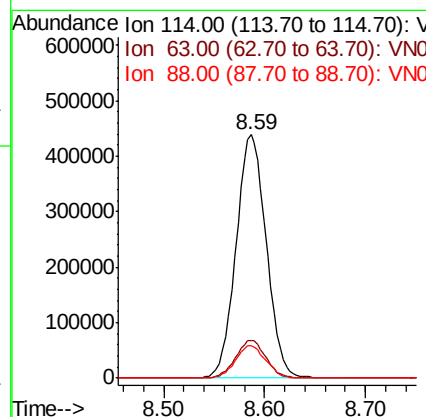
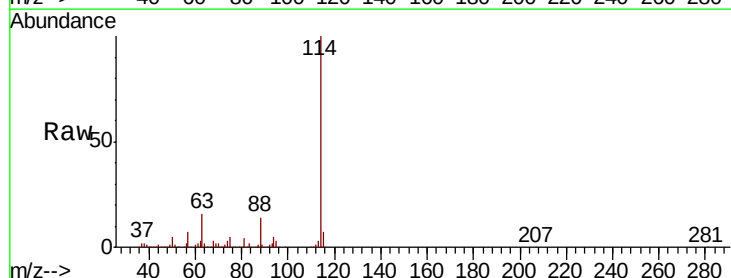
Manual Integrations
 APPROVED

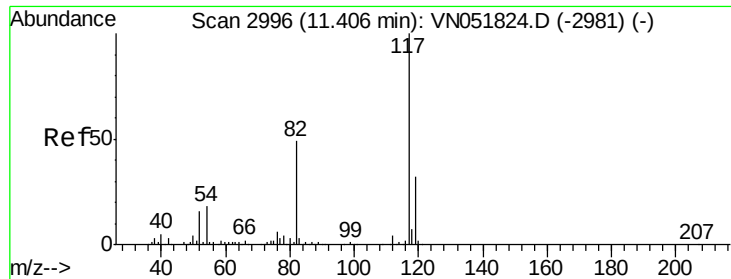
MMDadoda
 10/26/2018 9:20:04 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052015.D
 Acq: 25 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.6	16.2	24.2#
88	13.5	12.2	18.4





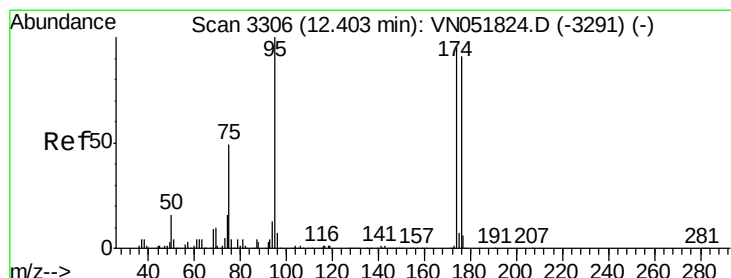
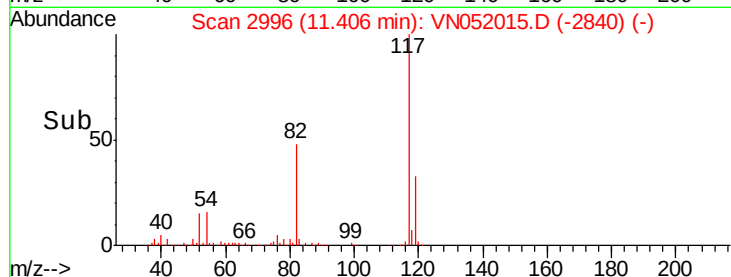
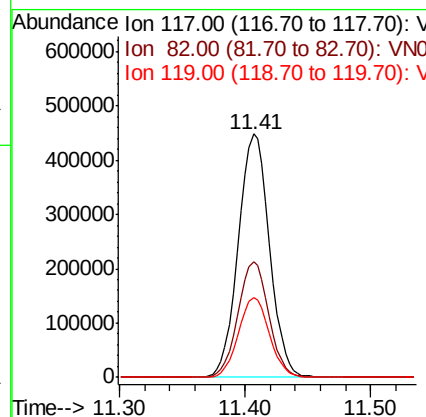
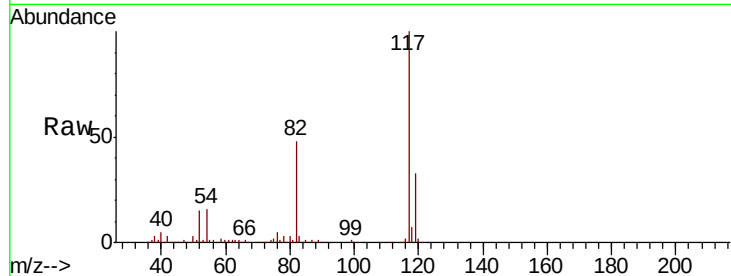
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.9	44.1	66.1
119	32.5	25.8	38.8

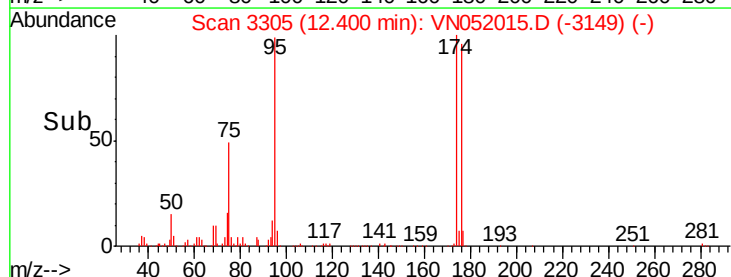
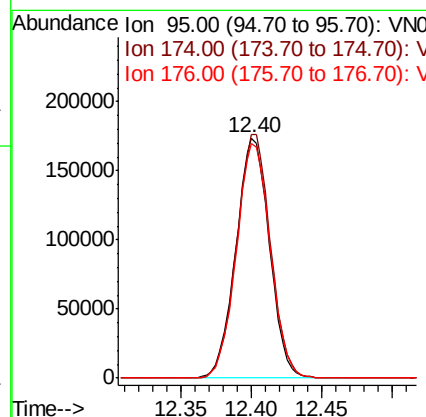
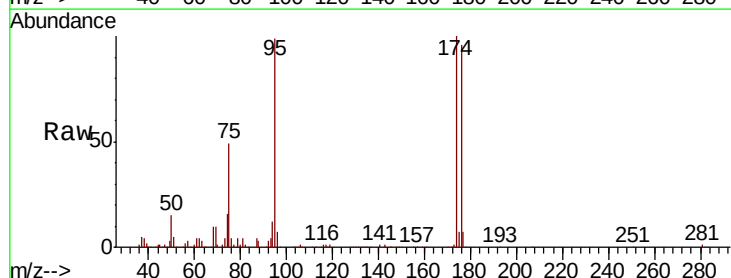
Manual Integrations
APPROVED

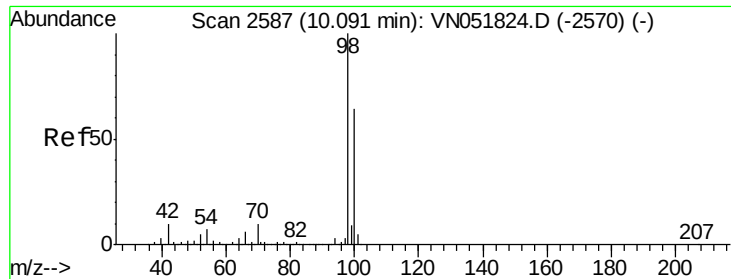
MMDadoda
10/26/2018 9:20:04 AM



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.8	73.5	110.3
176	99.1	70.2	105.2





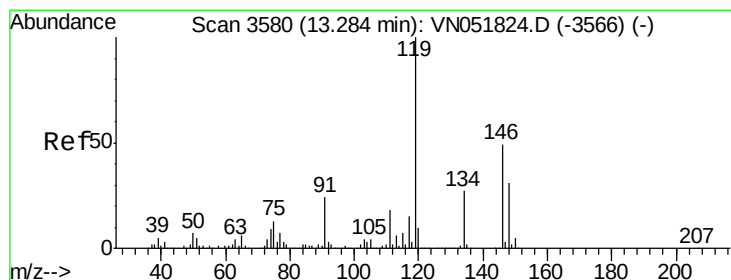
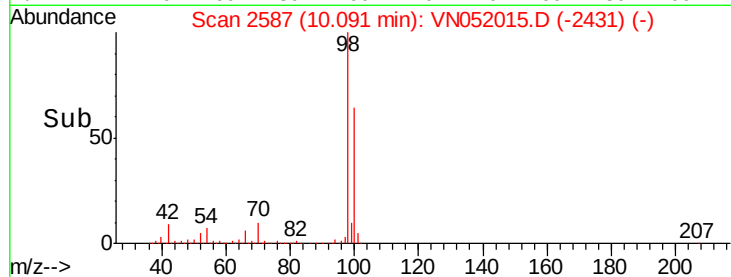
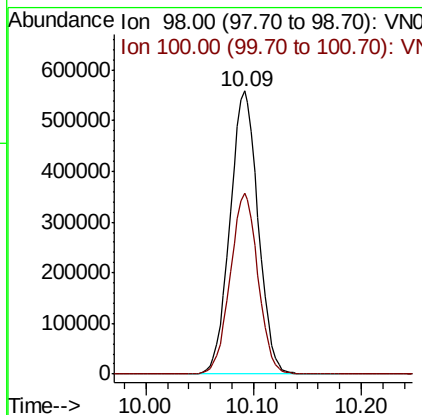
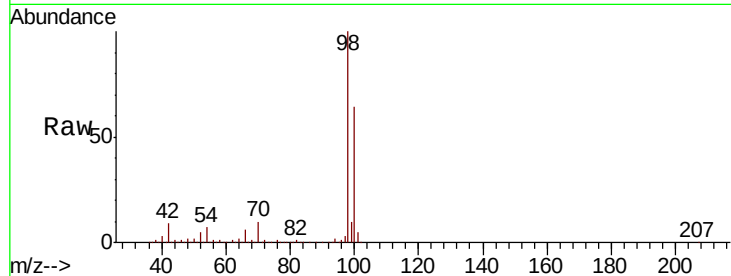
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion: 98 Resp: 1015156
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2

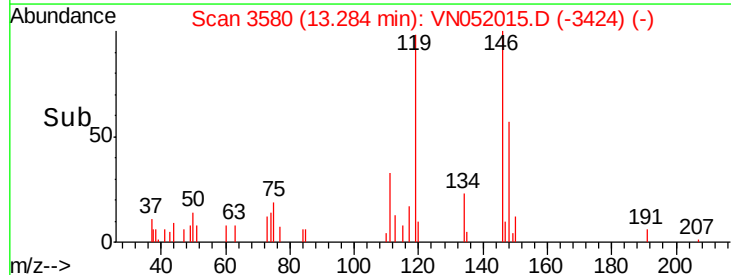
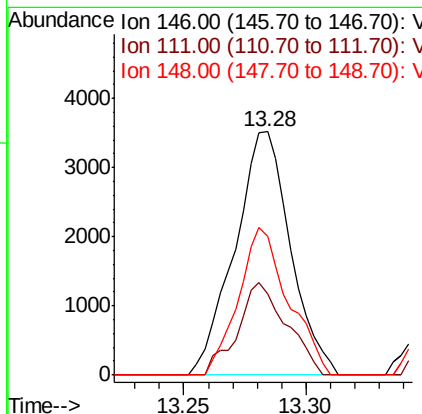
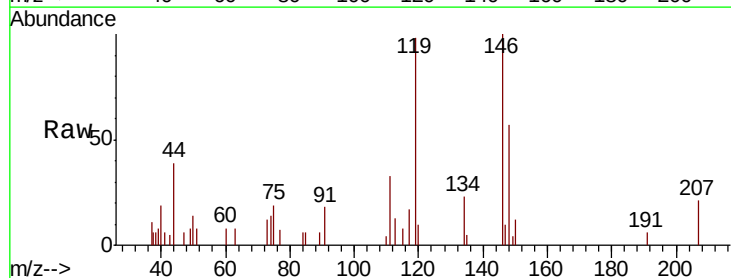
Manual Integrations
APPROVED

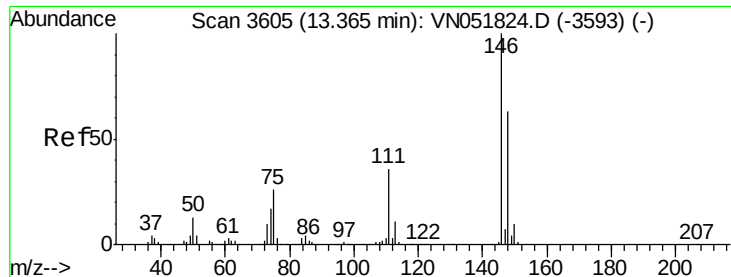
MMDadoda
10/26/2018 9:20:04 AM



#83
1,3-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Tgt Ion: 146 Resp: 5574
Ion Ratio Lower Upper
146 100
111 33.3 18.1 54.3
148 54.0 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 0.303 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052015.D

Acq: 25 Oct 2018 17:24

Instrument :

MSVOA_N

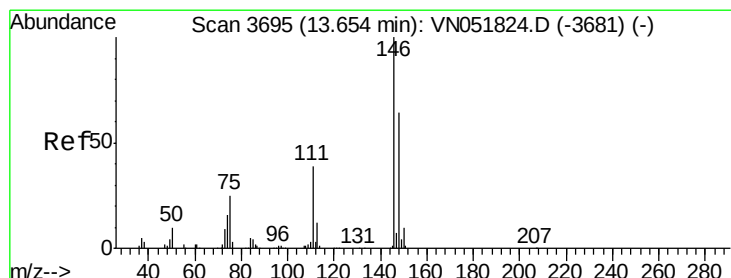
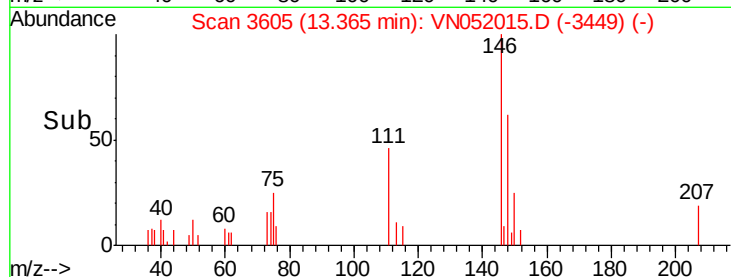
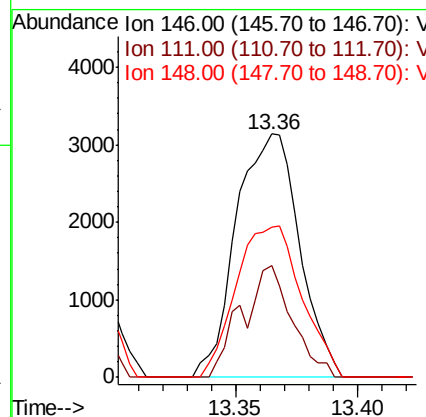
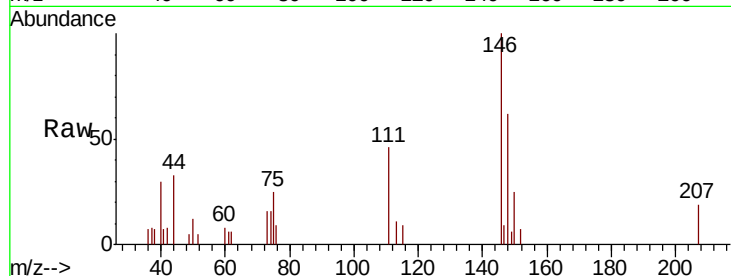
ClientSampled :

SPDES-1

Tot Ion	Ratio	Lower	Upper
146	100		
111	26.2	17.4	52.2
148	64.5	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
10/26/2018 9:20:04 AM



#87

1,2-Dichlorobenzene

Concen: 0.306 ug/l m

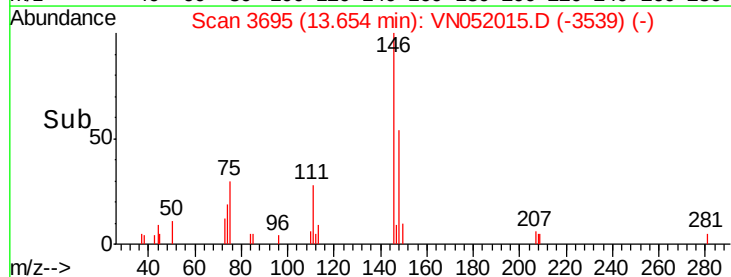
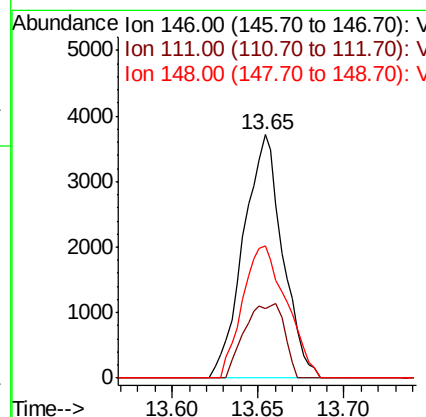
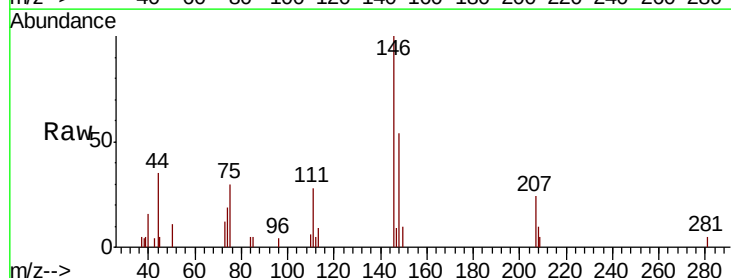
RT: 13.65 min Scan# 3695

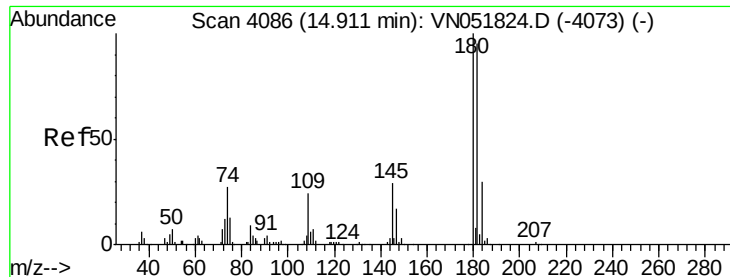
Delta R.T. 0.00 min

Lab File: VN052015.D

Acq: 25 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	25.2	20.8	62.2
148	61.9	33.2	99.6





#89

1,2,4-Trichlorobenzene

Concen: 8.494 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052015.D

Acq: 25 Oct 2018 17:24

Instrument :

MSVOA_N

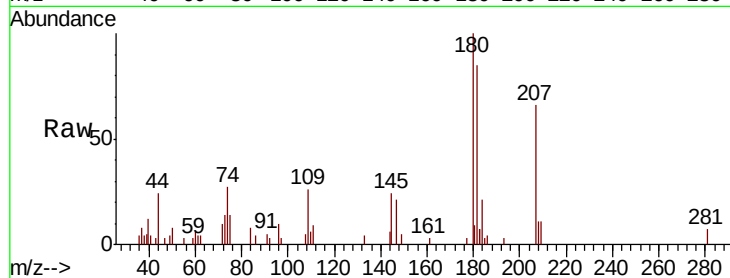
ClientSampled :

SPDES-1

Tot Ion:	180	Resp:	9702
Ion	Ratio	Lower	Upper
180	100		
182	90.7	77.7	116.5
145	26.4	23.4	35.2

Manual Integrations
APPROVED

MMDadoda
10/26/2018 9:20:04 AM

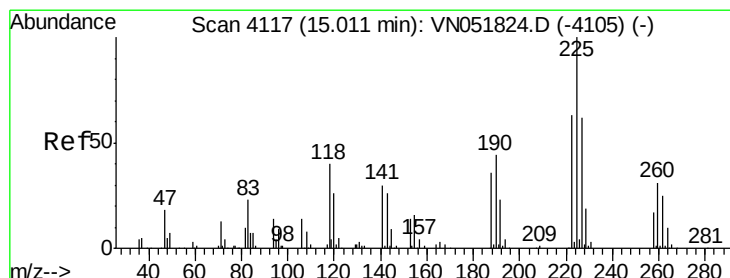
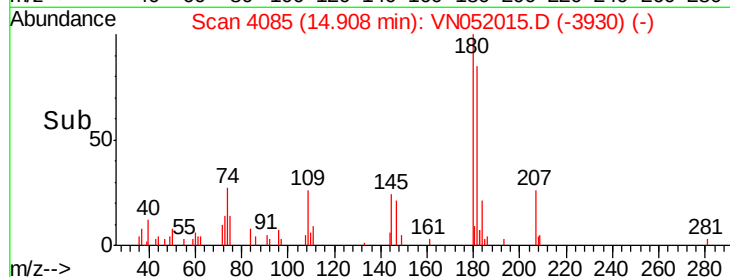
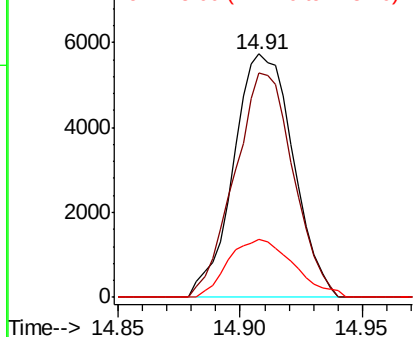


Abundance

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: 0.691 ug/l

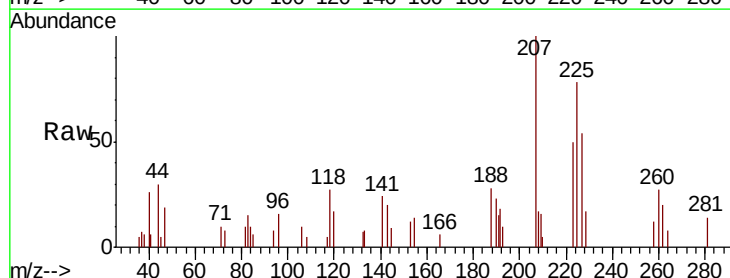
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052015.D

Acq: 25 Oct 2018 17:24

Tgt Ion:	225	Resp:	4269
Ion	Ratio	Lower	Upper
225	100		
223	65.3	0.0	117.0
227	57.8	0.0	127.0

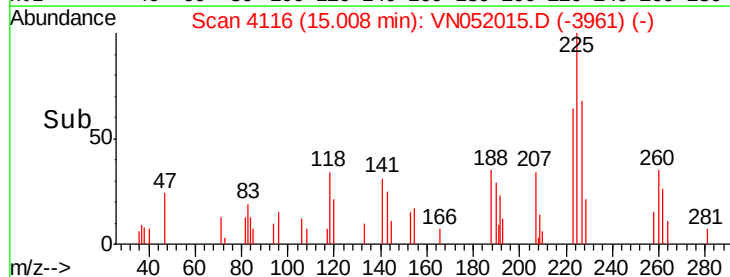
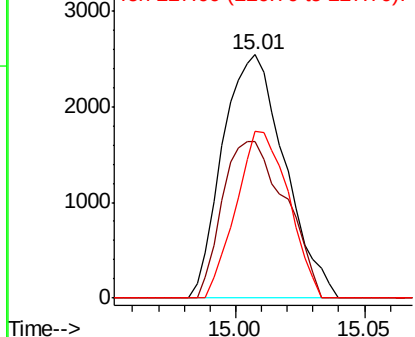


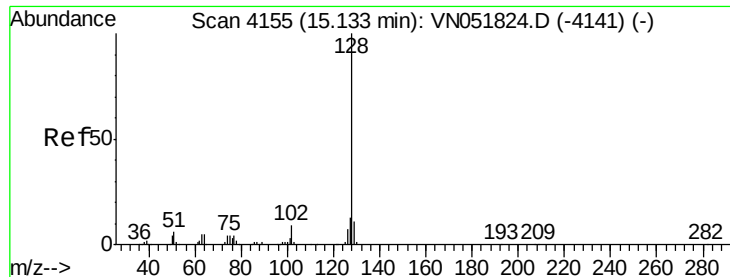
Abundance

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





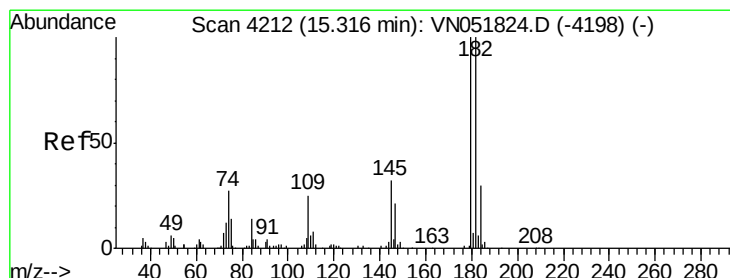
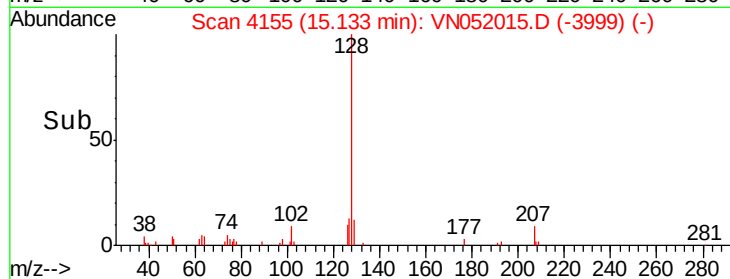
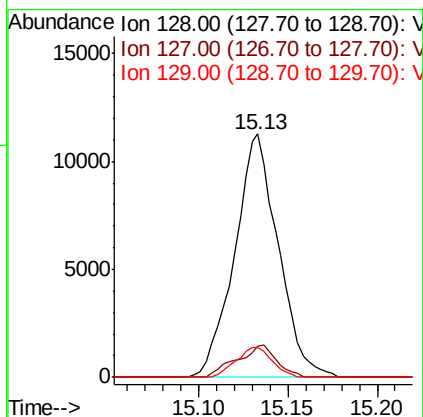
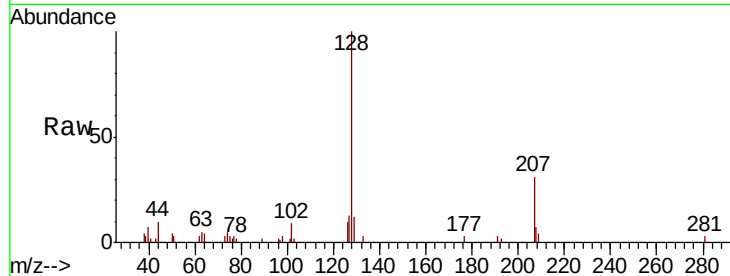
#91
Naphthalene
Concen: 9.266 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :
SPDES-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/26/2018 9:20:04 AM



#92
1,2,3-Trichlorobenzene
Concen: 1.173 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN052015.D
Acq: 25 Oct 2018 17:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.1	0.0	198.0
145	33.0	0.0	36.8

