

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051756.D
 Acq On : 9 Oct 2018 18:32
 Operator : MD\SY
 Sample : VN1009WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:41 AM

Quant Time: Oct 10 04:19:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	584414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	878336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	429902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	380685	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.59	113	344580	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1296496	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	430774	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	138314	19.638	ug/l	98
3) Chloromethane	2.06	50	126153	18.915	ug/l	99
4) Vinyl Chloride	2.18	62	194173	18.482	ug/l	100
5) Bromomethane	2.56	94	164767	20.394	ug/l	99
6) Chloroethane	2.70	64	136121	19.278	ug/l	96
7) Trichlorofluoromethane	3.01	101	241765	21.329	ug/l	100
8) Diethyl Ether	3.42	74	61727	20.162	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	114563	19.619	ug/l	94
10) Methyl Iodide	3.95	142	141579	19.818	ug/l	100
11) Tert butyl alcohol	4.80	59	55106	105.026	ug/l	100
12) 1,1-Dichloroethene	3.74	96	108190	19.879	ug/l	95
13) Acrolein	3.61	56	24816	65.718	ug/l	98
14) Allyl chloride	4.32	41	143957	17.342	ug/l	97
15) Acrylonitrile	5.00	53	177839	98.222	ug/l	99
16) Acetone	3.82	43	133208	91.024	ug/l	100
17) Carbon Disulfide	4.05	76	275530	16.655	ug/l	100
18) Methyl Acetate	4.33	43	94809	22.249	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	345883	19.254	ug/l	99
20) Methylene Chloride	4.55	84	119917	18.879	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	118063	18.306	ug/l	93
22) Diisopropyl ether	5.96	45	319712	17.968	ug/l	95
23) Vinyl Acetate	5.90	43	1174250	89.751	ug/l	98
24) 1,1-Dichloroethane	5.85	63	207442	18.127	ug/l	98
25) 2-Butanone	6.84	43	208060	93.327	ug/l	97
26) 2,2-Dichloropropane	6.83	77	190622	16.622	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	141768	18.936	ug/l	95
28) Bromochloromethane	7.20	49	97947	19.333	ug/l	92
29) Tetrahydrofuran	7.22	42	138901	101.529	ug/l	97
30) Chloroform	7.38	83	241953	18.818	ug/l	98
31) Cyclohexane	7.66	56	179940	17.169	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	229282	18.397	ug/l	98
36) 1,1-Dichloropropene	7.80	75	167540	18.249	ug/l	98
37) Ethyl Acetate	6.93	43	101340	21.164	ug/l	99
38) Carbon Tetrachloride	7.78	117	203449	18.468	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051756.D
 Acq On : 9 Oct 2018 18:32
 Operator : MD\SY
 Sample : VN1009WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1009WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:41 AM

Quant Time: Oct 10 04:19:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209668	18.193	ug/l	97
40) Benzene	8.04	78	515501	18.941	ug/l	99
41) Methacrylonitrile	7.18	41	52630	21.160	ug/l	91
42) 1,2-Dichloroethane	8.13	62	176716	19.267	ug/l	99
43) Isopropyl Acetate	8.17	43	196948	19.728	ug/l	99
44) Trichloroethene	8.84	130	151862	19.651	ug/l	99
45) 1,2-Dichloropropane	9.12	63	125281	18.618	ug/l	100
46) Dibromomethane	9.21	93	92772	19.835	ug/l	99
47) Bromodichloromethane	9.40	83	194093	18.851	ug/l	99
48) Methyl methacrylate	9.20	41	88980	19.506	ug/l	98
49) 1,4-Dioxane	9.20	88	28889	422.344	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	519698	102.733	ug/l	100
52) Toluene	10.16	92	351948	19.443	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	186151	17.521	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	199520	17.685	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	128282	19.894	ug/l	97
56) Ethyl methacrylate	10.43	69	159330	19.538	ug/l	99
57) 1,3-Dichloropropane	10.71	76	202469	19.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	323499	95.853	ug/l	98
59) 2-Hexanone	10.75	43	338983	98.670	ug/l	99
60) Dibromochloromethane	10.90	129	157337	18.645	ug/l	100
61) 1,2-Dibromoethane	11.01	107	132239	19.399	ug/l	98
64) Tetrachloroethene	10.63	164	147544	20.407	ug/l	95
65) Chlorobenzene	11.44	112	395504	19.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157682	19.403	ug/l	100
67) Ethyl Benzene	11.51	91	669611	19.087	ug/l	98
68) m/p-Xylenes	11.62	106	543076	38.690	ug/l	98
69) o-Xylene	11.95	106	267041	19.399	ug/l	99
70) Styrene	11.97	104	409807	18.683	ug/l	100
71) Bromoform	12.13	173	104889	17.352	ug/l #	98
73) Isopropylbenzene	12.25	105	721126	19.678	ug/l	99
74) N-amyl acetate	12.07	43	153913	18.236	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	161817	20.489	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	131519m	22.352	ug/l	
77) Bromobenzene	12.53	156	173318	19.342	ug/l	97
78) n-propylbenzene	12.59	91	761809	19.059	ug/l	100
79) 2-Chlorotoluene	12.68	91	448743	19.049	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	595300	19.276	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39888	17.056	ug/l	96
82) 4-Chlorotoluene	12.77	91	448506	18.952	ug/l	100
83) tert-Butylbenzene	12.99	119	550194	19.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	600593	19.415	ug/l	99
85) sec-Butylbenzene	13.17	105	710788	19.418	ug/l	100
86) p-Isopropyltoluene	13.29	119	630804	19.439	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	306495	19.630	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	295093	19.201	ug/l	99
89) n-Butylbenzene	13.62	91	471978	18.395	ug/l	99
90) Hexachloroethane	13.88	117	115312	17.810	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	305338	19.672	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24925	19.362	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051756.D
Acq On : 9 Oct 2018 18:32
Operator : MD\SY
Sample : VN1009WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

Quant Time: Oct 10 04:19:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121203	17.548	ug/l	98
94) Hexachlorobutadiene	15.01	225	89194	19.033	ug/l	97
95) Naphthalene	15.13	128	267312	17.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	130493	19.184	ug/l	98

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

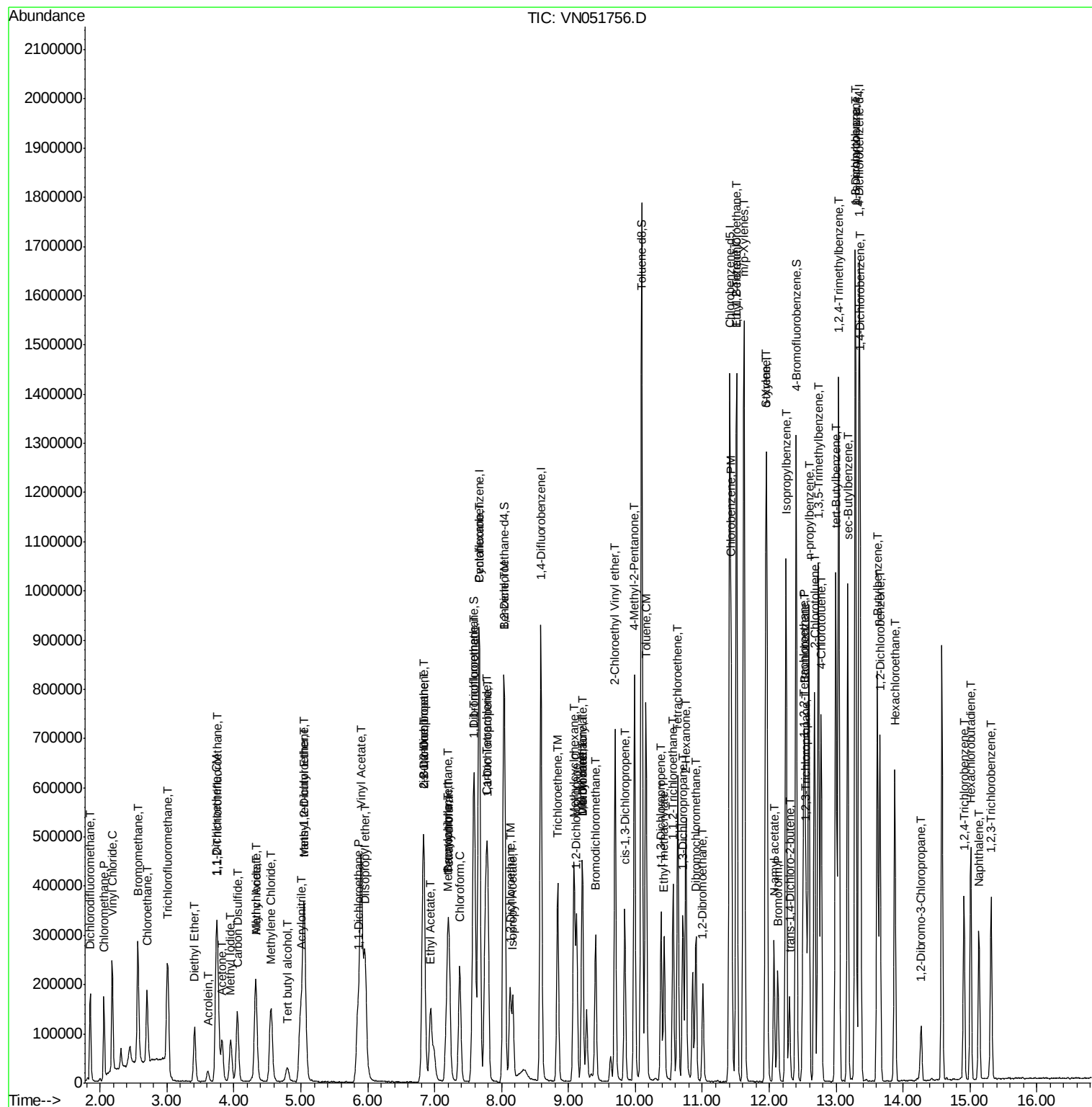
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
Data File : VN051756.D
Acq On : 9 Oct 2018 18:32
Operator : MD\SY
Sample : VN1009WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

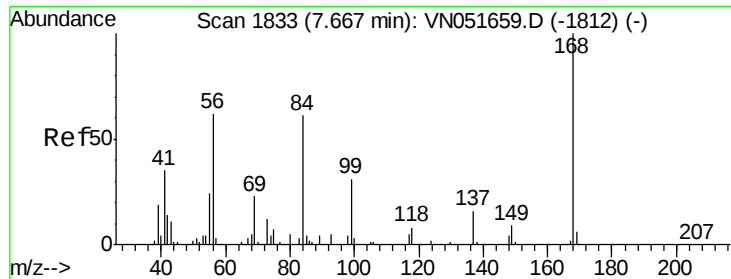
Instrument :
MSVOA_N
Client Sample Id :
VN1009WBS02

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

Quant Time: Oct 10 04:19:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion:168 Resp: 584414

Ion Ratio Lower Upper

168 100

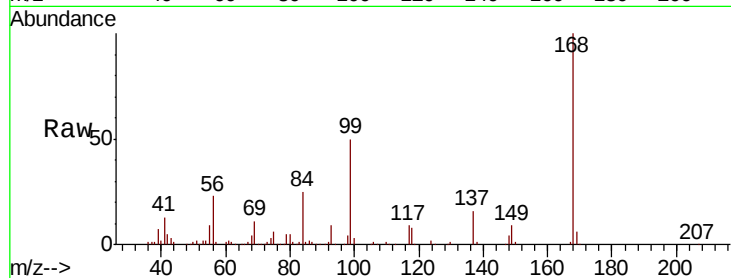
99 49.7 40.4 60.6

Manual Integrations

APPROVED

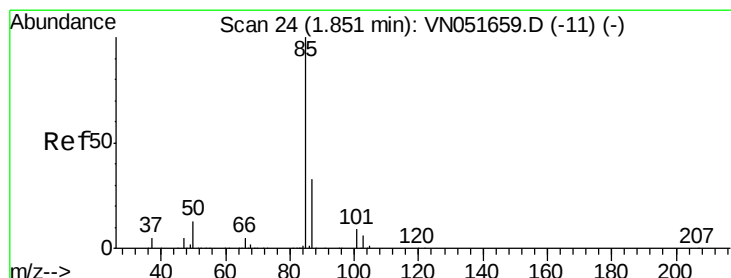
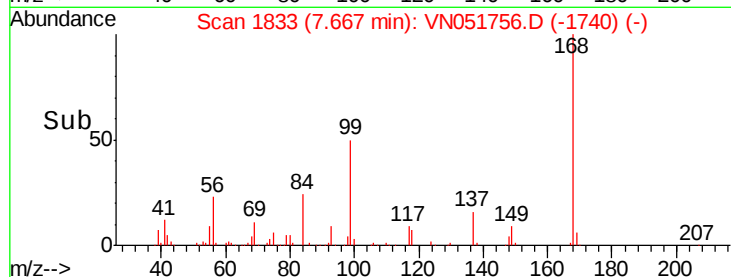
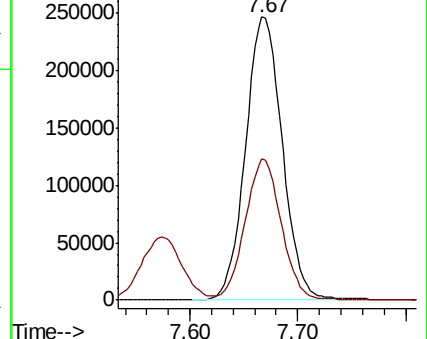
MMDadoda

10/10/2018 10:09:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.638 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051756.D

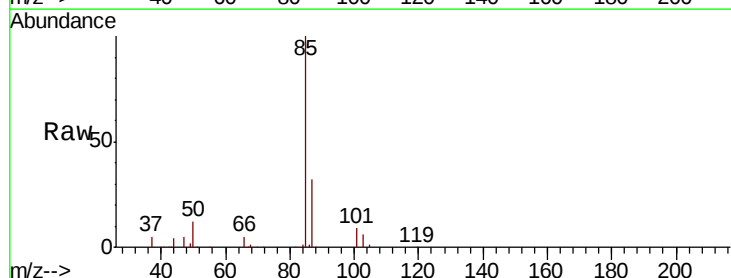
Acq: 9 Oct 2018 18:32

Tgt Ion: 85 Resp: 138314

Ion Ratio Lower Upper

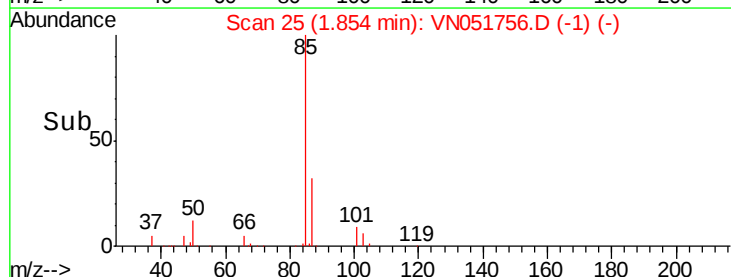
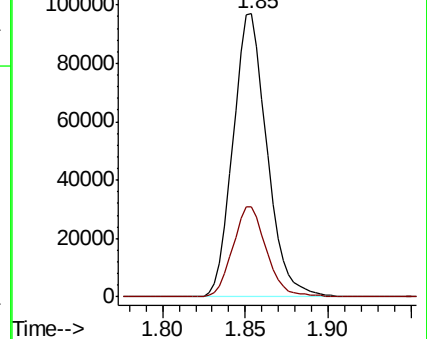
85 100

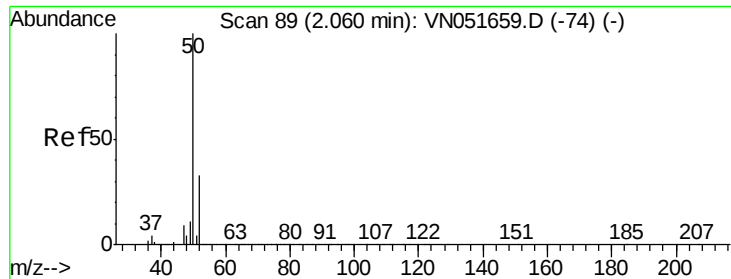
87 32.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.915 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 50 Resp: 126153

Ion Ratio Lower Upper

50 100

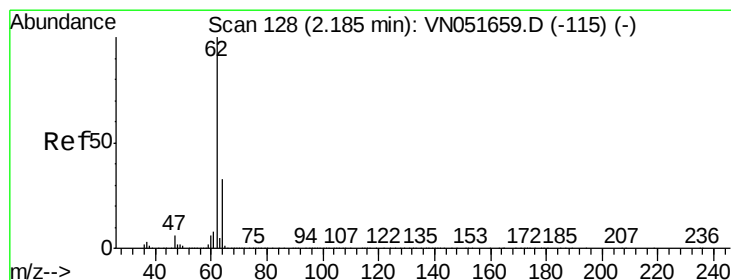
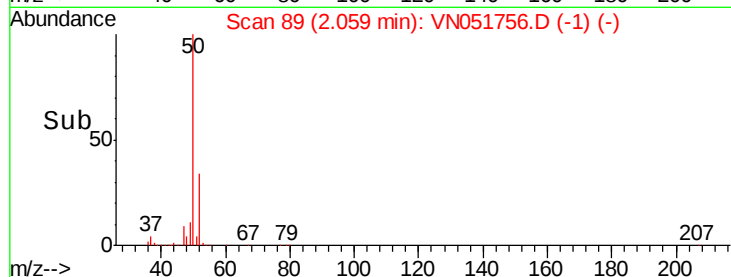
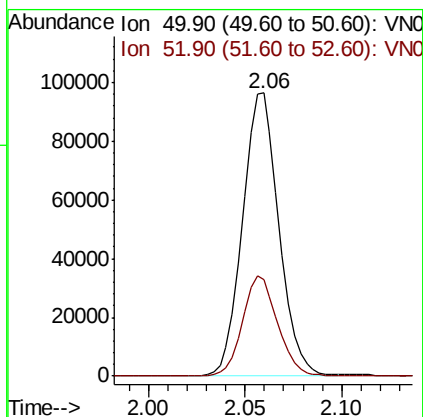
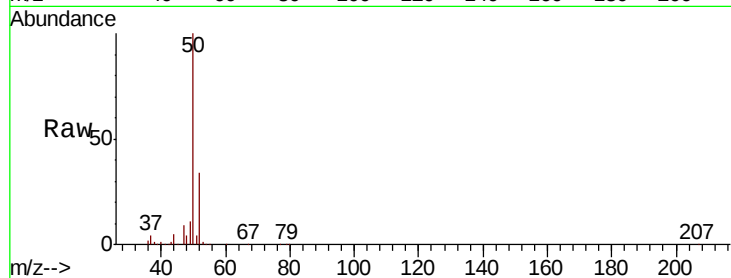
52 33.9 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

10/10/2018 10:09:41 AM



#4

Vinyl Chloride

Concen: 18.482 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051756.D

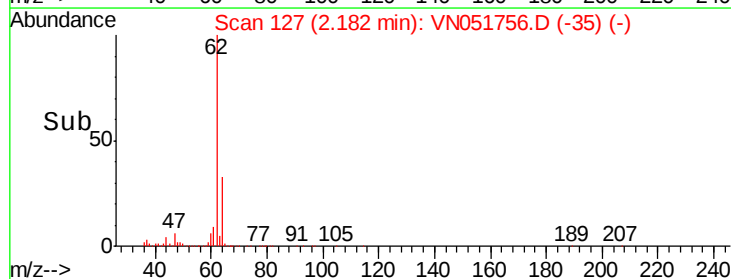
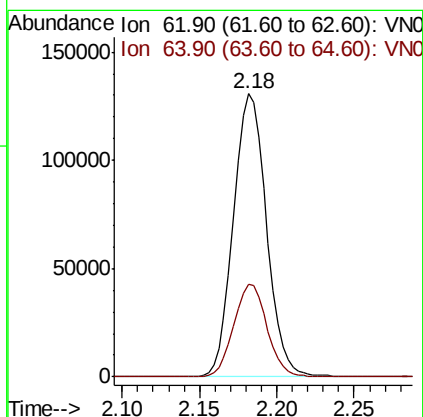
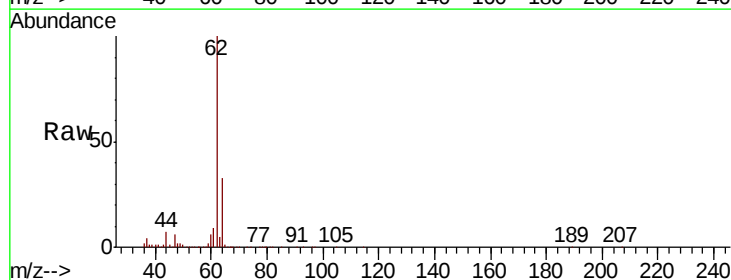
Acq: 9 Oct 2018 18:32

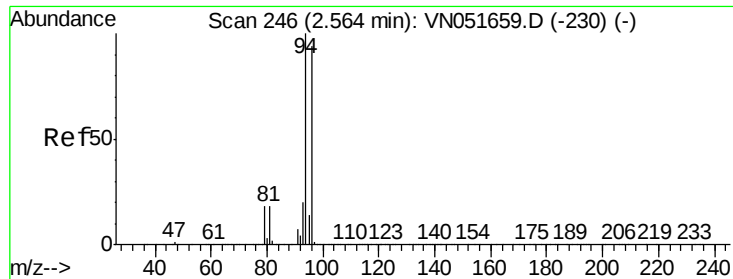
Tgt Ion: 62 Resp: 194173

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 20.394 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 94 Resp: 164767

Ion Ratio Lower Upper

94 100

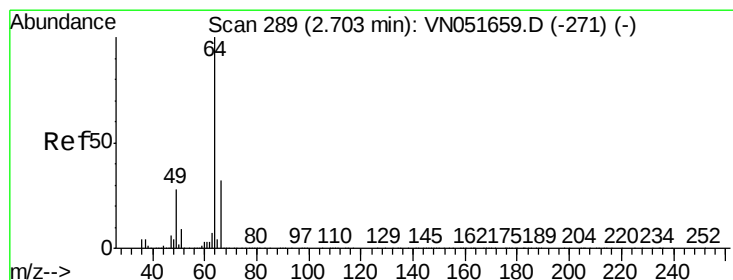
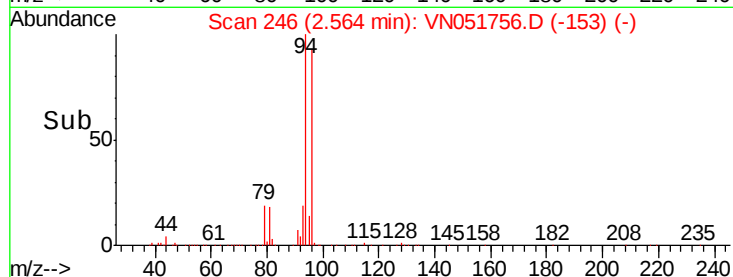
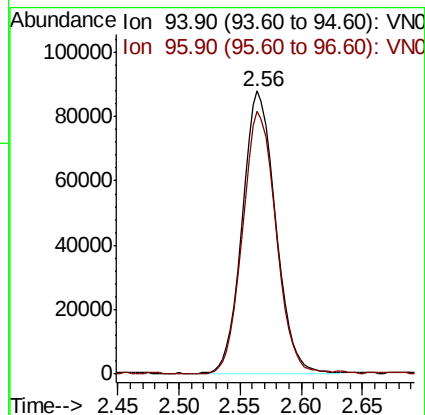
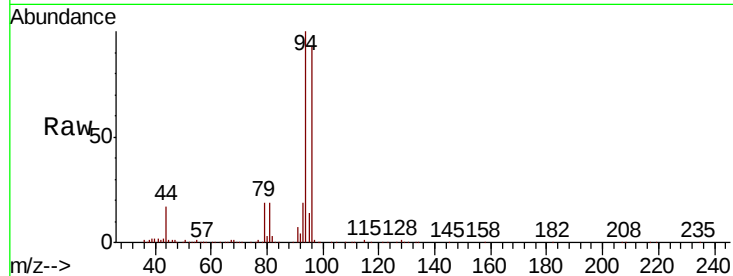
96 92.6 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

10/10/2018 10:09:41 AM



#6

Chloroethane

Concen: 19.278 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051756.D

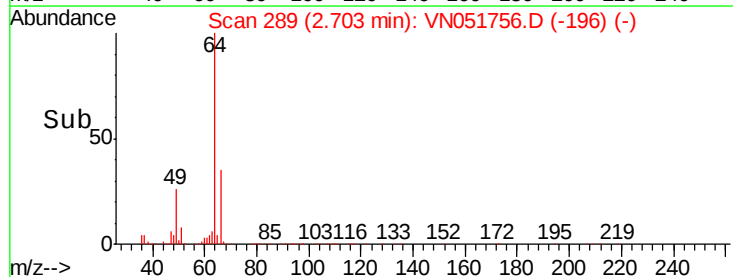
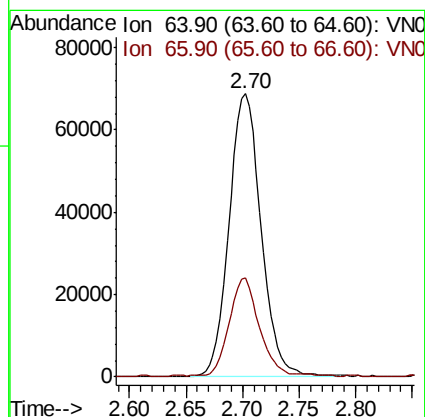
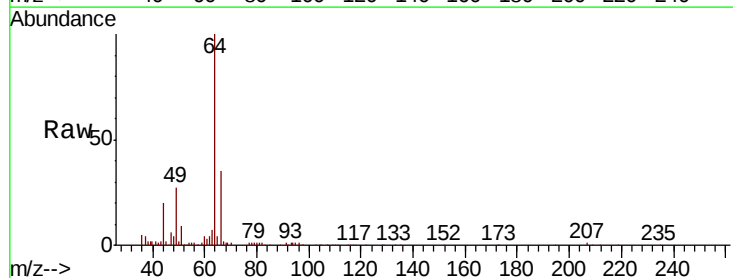
Acq: 9 Oct 2018 18:32

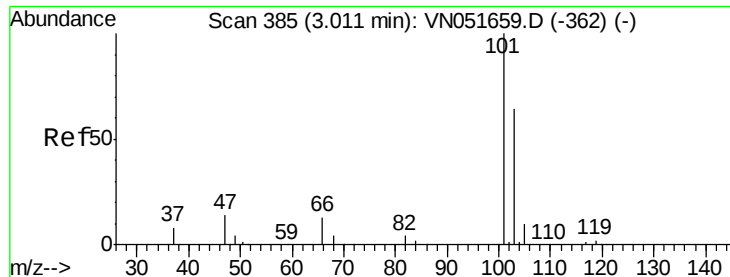
Tgt Ion: 64 Resp: 136121

Ion Ratio Lower Upper

64 100

66 34.8 26.0 39.0





#7

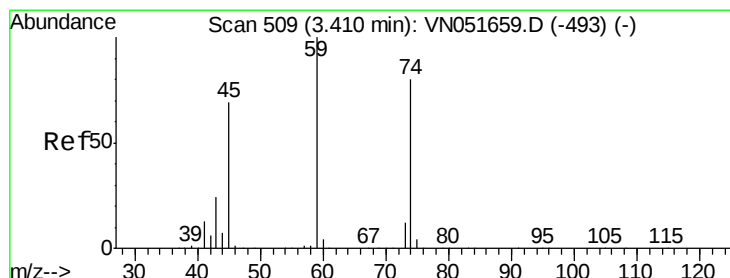
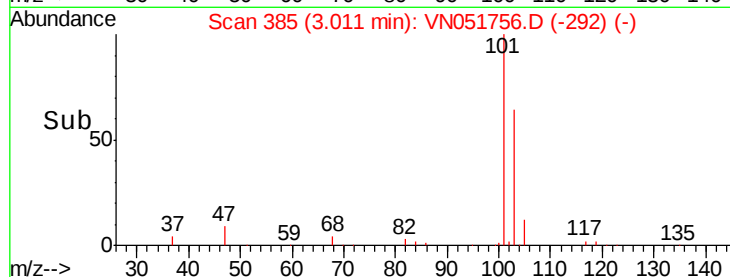
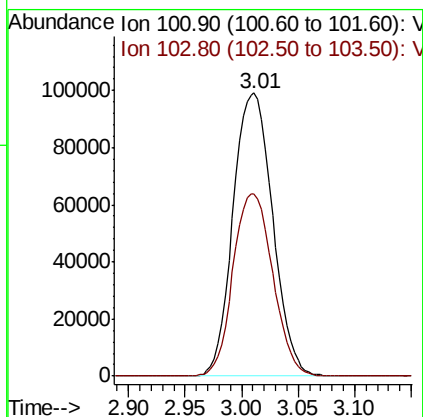
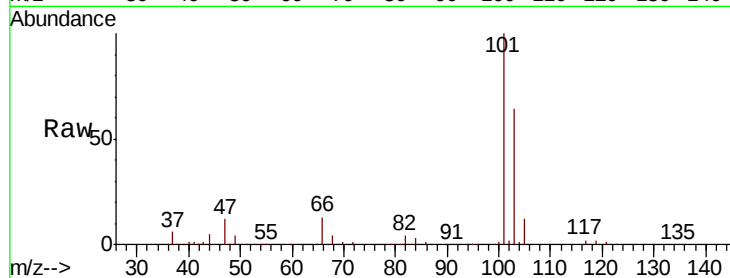
Trichlorofluoromethane
Concen: 21.329 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.1	76.7

Manual Integrations
APPROVED

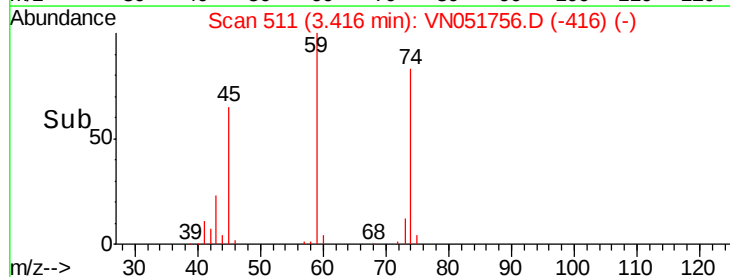
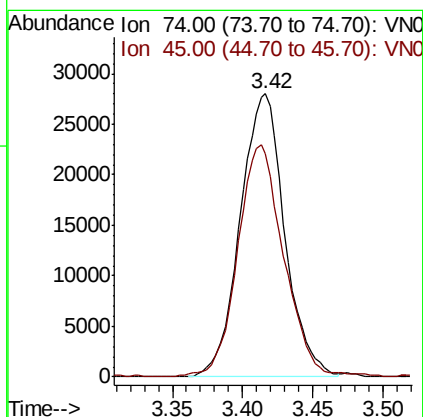
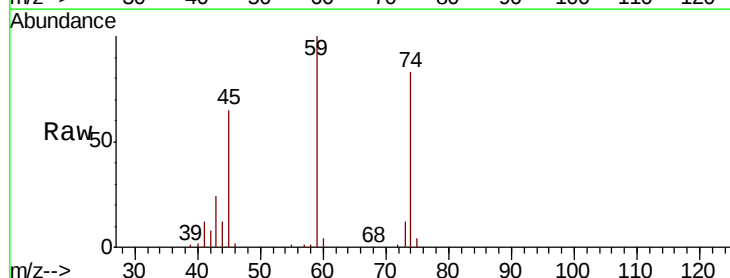
MMDadoda
10/10/2018 10:09:41 AM

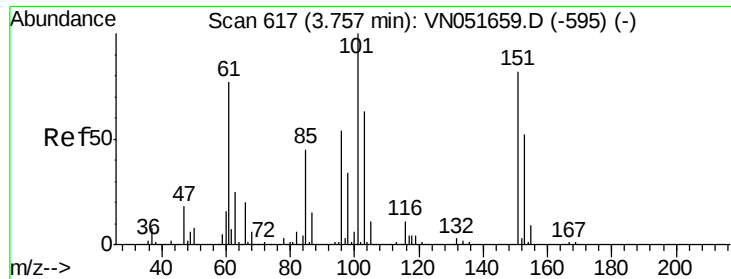


#8

Diethyl Ether
Concen: 20.162 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

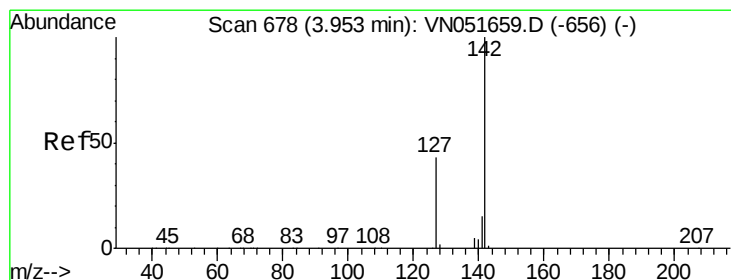
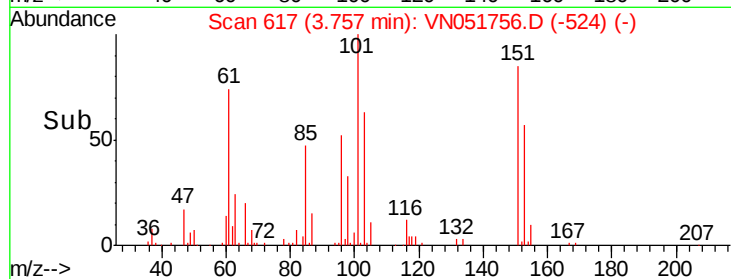
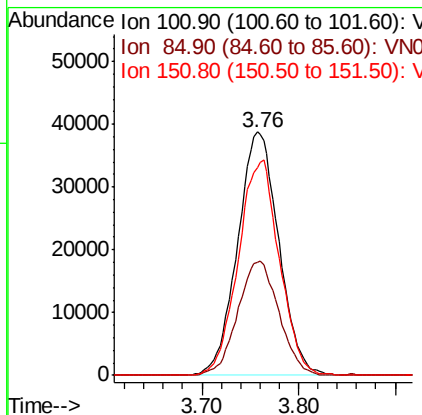
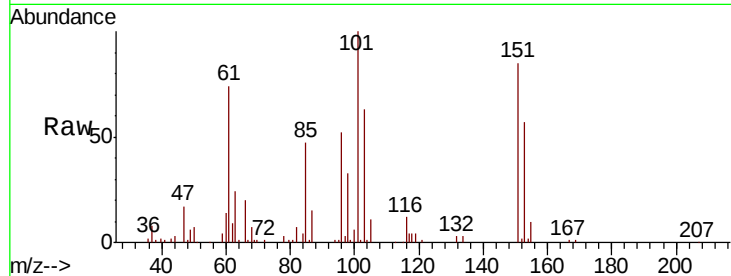
ClientSampleId :

VN1009WBS02

Tot Ion:	101	Resp:	114563
Ion Ratio	Lower	Upper	
101	100		
85	46.8	35.6	53.4
151	88.2	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#10

Methyl Iodide

Concen: 19.818 ug/l

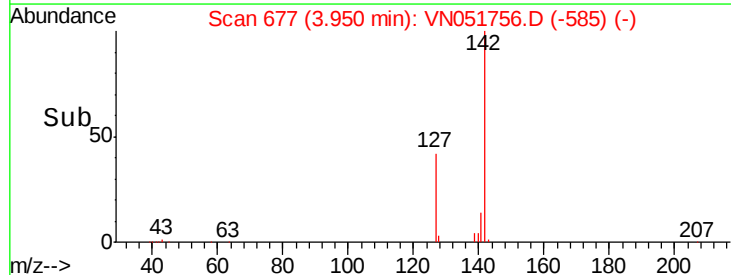
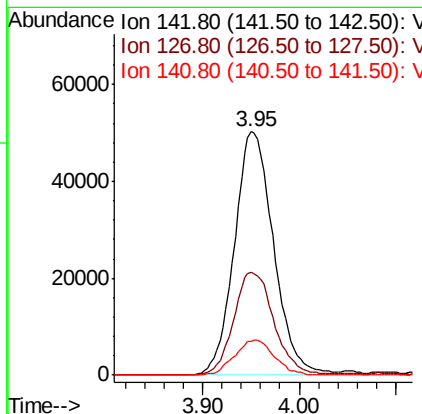
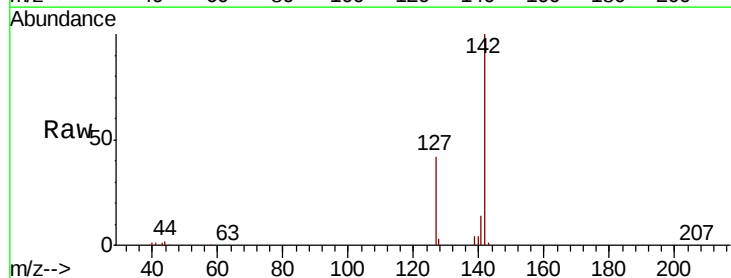
RT: 3.95 min Scan# 677

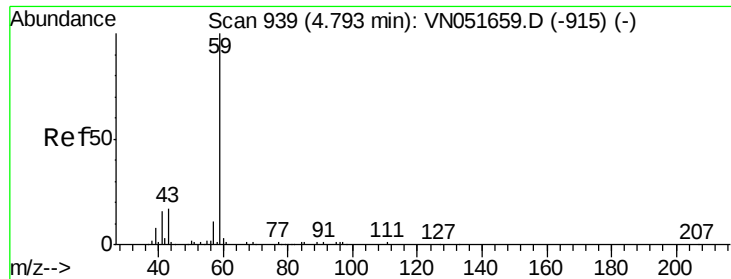
Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Tgt Ion:	142	Resp:	141579
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.7	52.1
141	14.6	11.4	17.2





#11

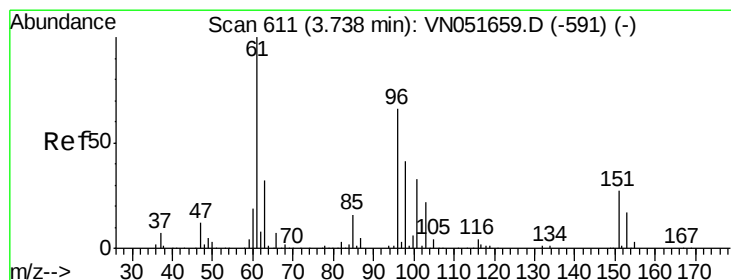
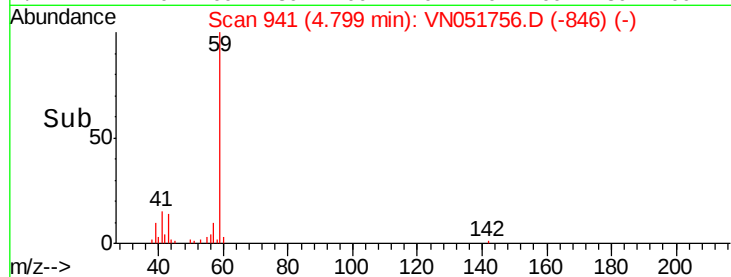
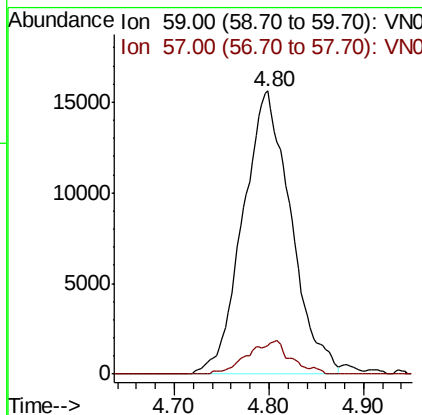
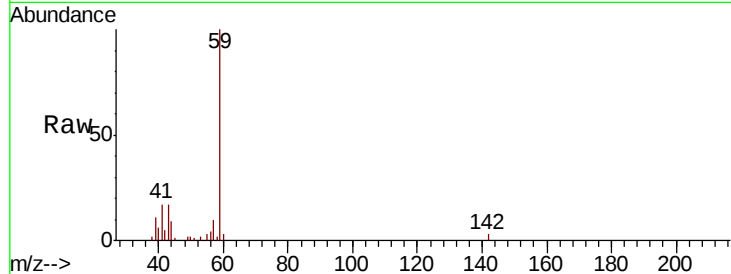
Tert butyl alcohol
 Concen: 105.026 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	59	Resp	55106
Ion Ratio	100	Lower	Upper
57	10.2	8.1	12.1

Manual Integrations
 APPROVED

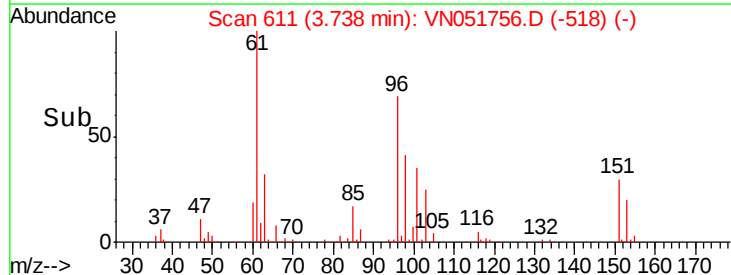
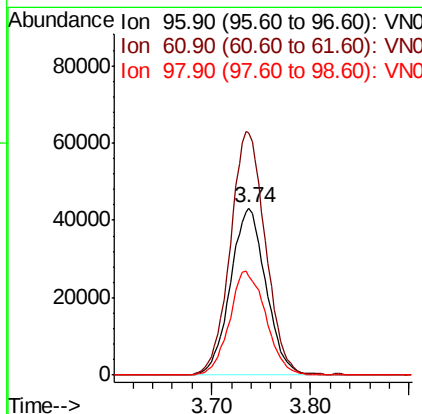
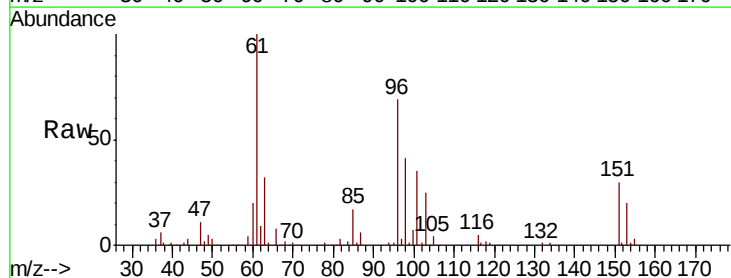
MMDadoda
 10/10/2018 10:09:41 AM



#12

1,1-Dichloroethene
 Concen: 19.879 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	96	Resp	108190
Ion Ratio	100	Lower	Upper
61	145.2	121.4	182.0
98	59.6	49.9	74.9





#13

Acrolein

Concen: 65.718 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 56 Resp: 24816

Ion Ratio Lower Upper

56 100

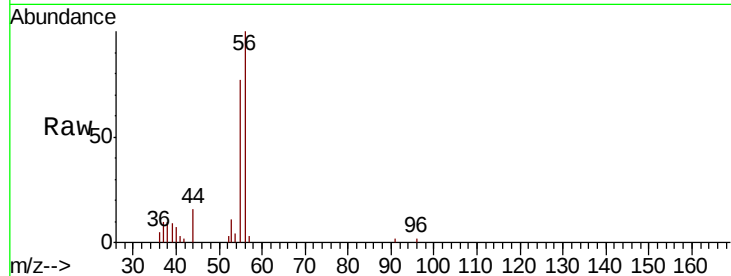
55 73.3 57.5 86.3

Manual Integrations

APPROVED

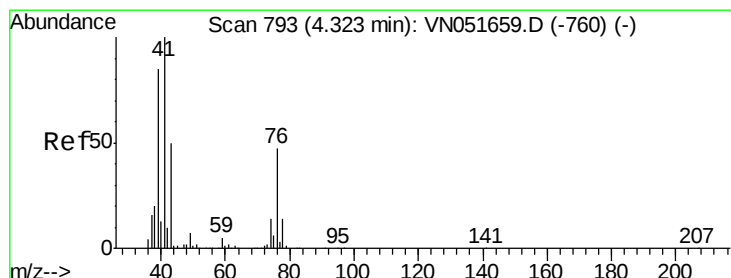
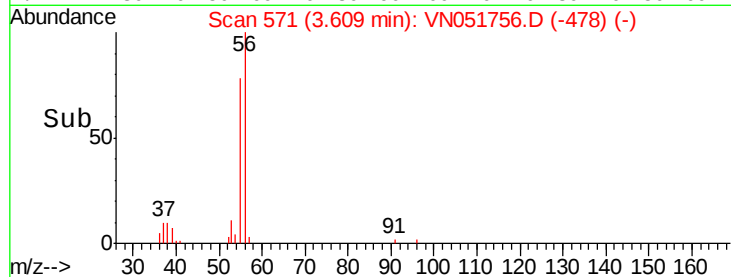
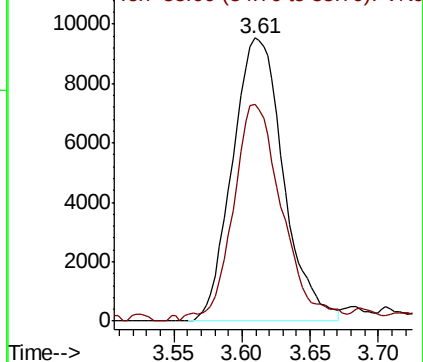
MMDadoda

10/10/2018 10:09:41 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.342 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

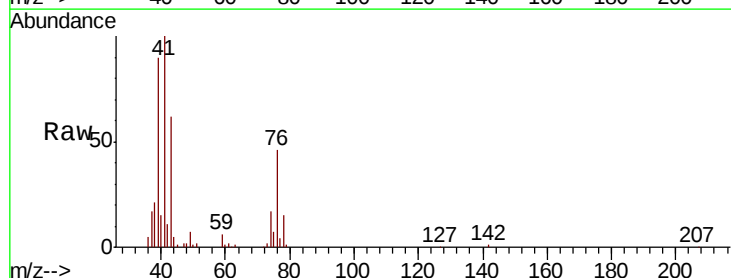
Tgt Ion: 41 Resp: 143957

Ion Ratio Lower Upper

41 100

39 84.7 65.4 98.0

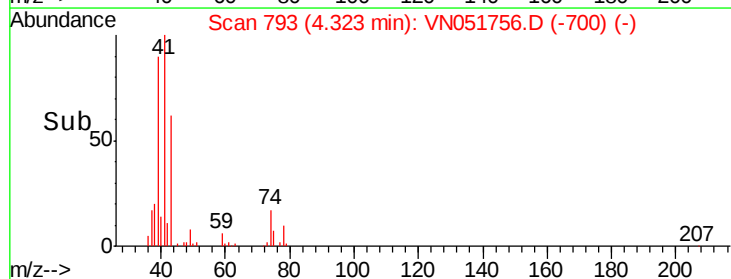
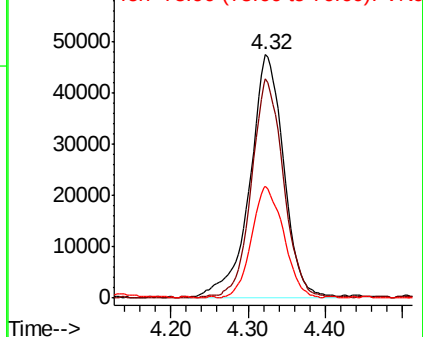
76 43.8 34.3 51.5

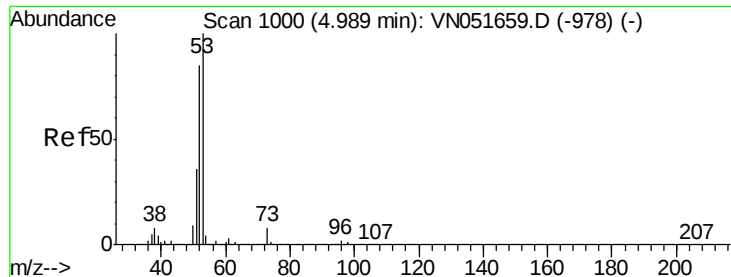


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





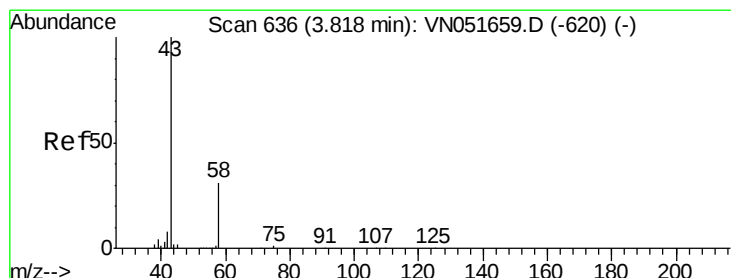
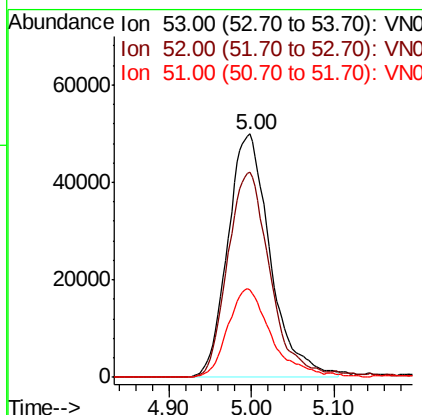
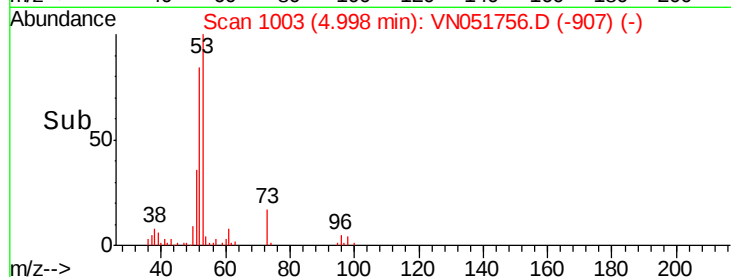
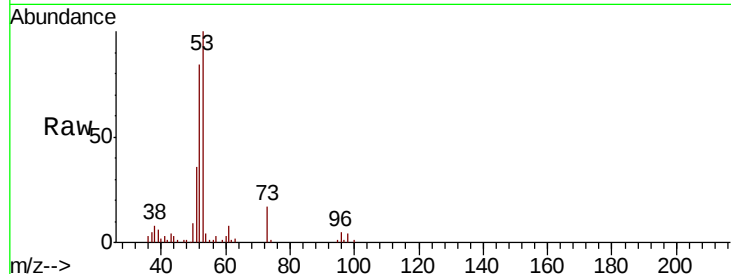
#15
 Acrylonitrile
 Concen: 98.222 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	36.7	30.3	45.5

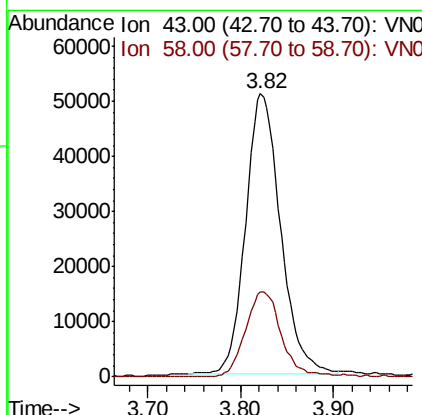
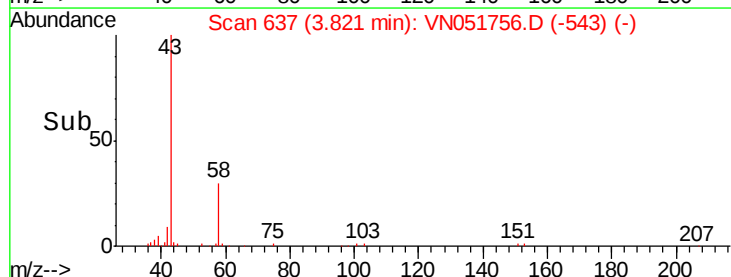
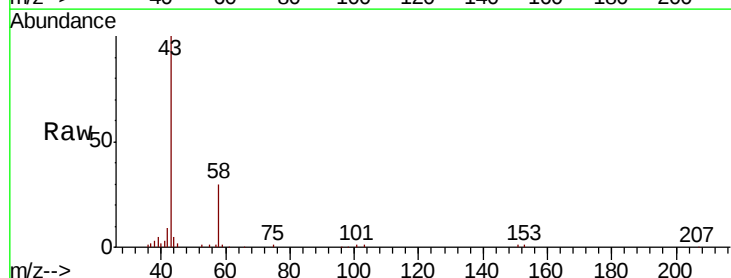
Manual Integrations
 APPROVED

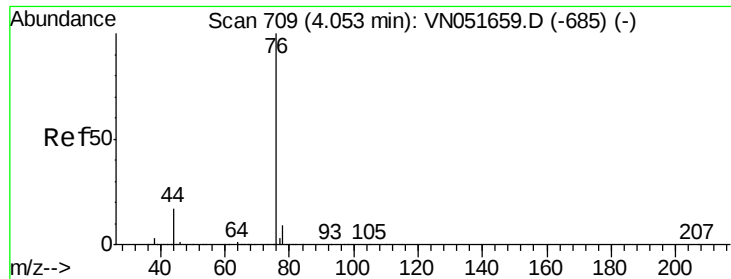
MMDadoda
 10/10/2018 10:09:41 AM



#16
 Acetone
 Concen: 91.024 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.3	36.5





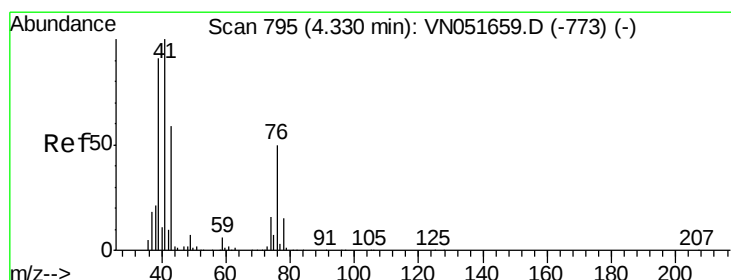
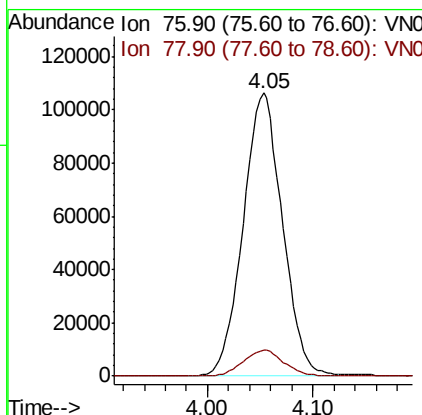
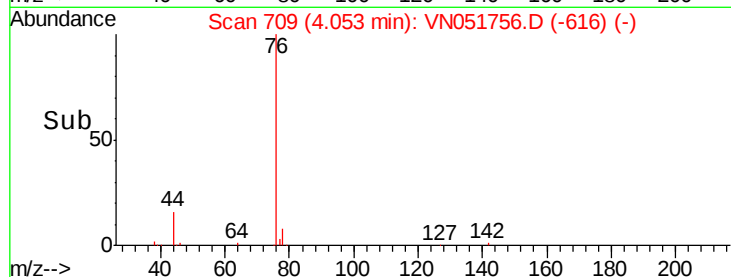
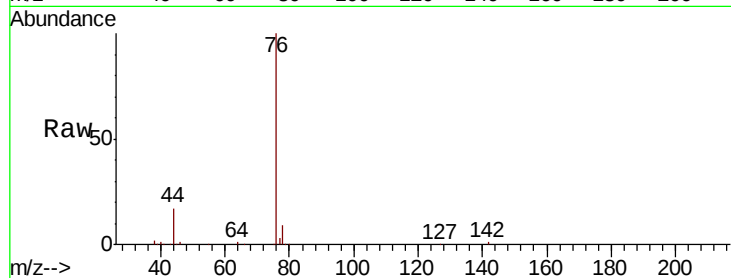
#17
Carbon Disulfide
Concen: 16.655 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion: 76 Resp: 27530
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

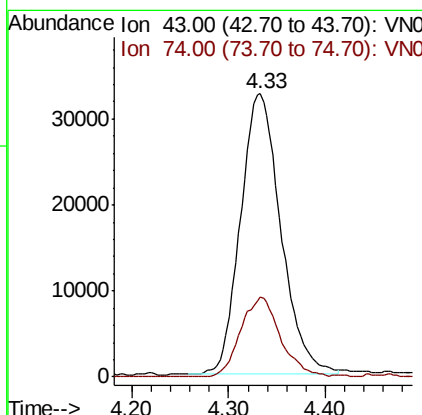
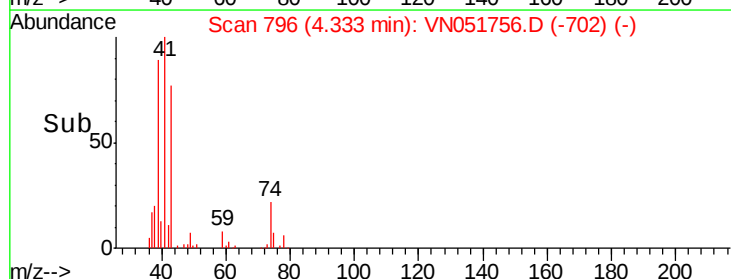
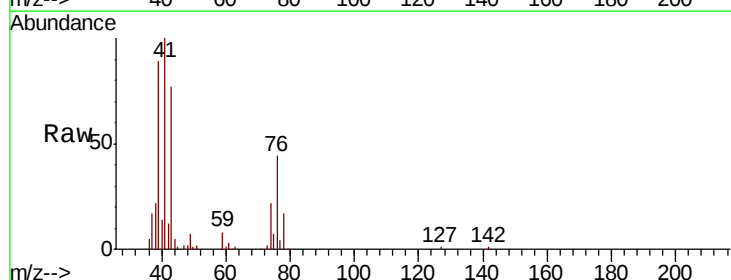
Manual Integrations
APPROVED

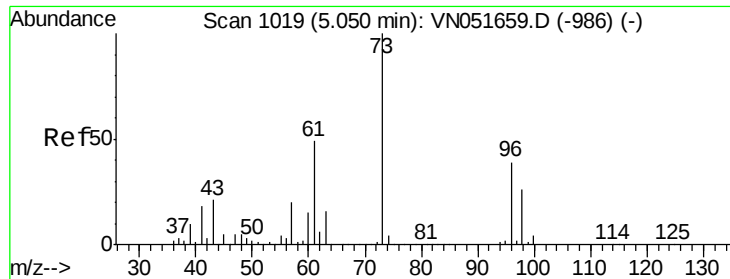
MMDadoda
10/10/2018 10:09:41 AM



#18
Methyl Acetate
Concen: 22.249 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion: 43 Resp: 94809
Ion Ratio Lower Upper
43 100
74 27.9 21.5 32.3





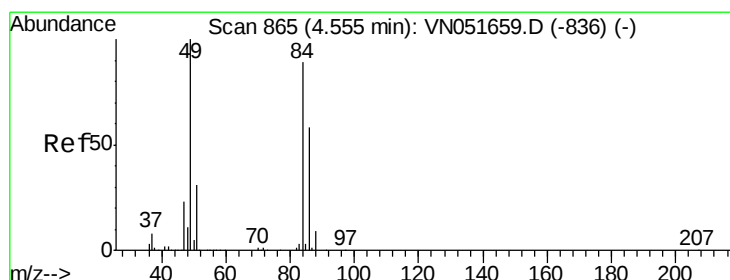
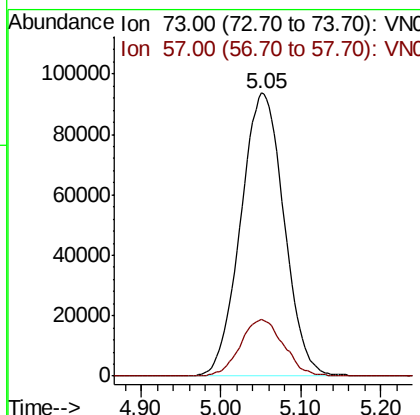
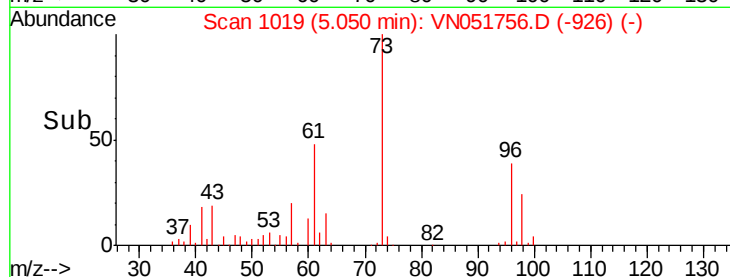
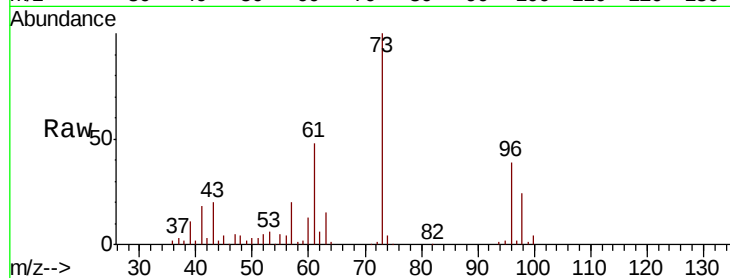
#19
Methvl tert-butvl Ether
Concen: 19.254 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion: 73 Resp: 345883
Ion Ratio Lower Upper
73 100
57 19.9 15.6 23.4

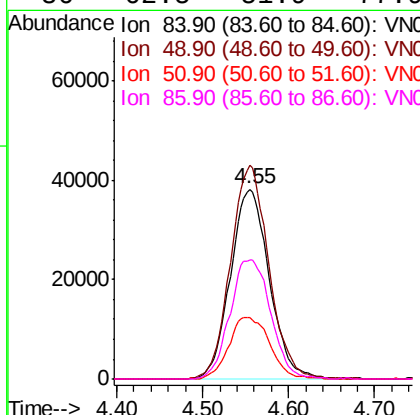
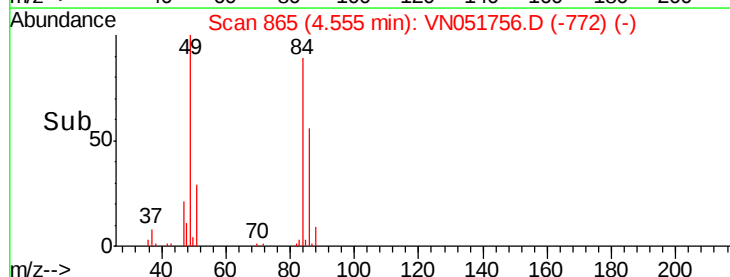
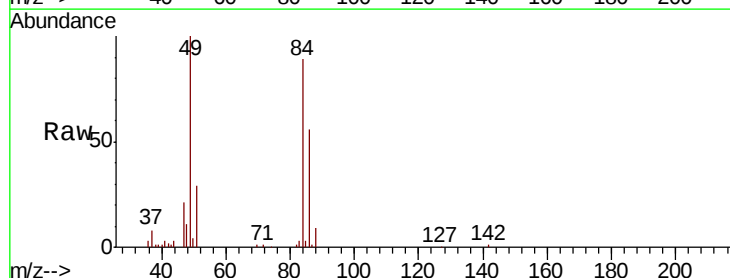
Manual Integrations
APPROVED

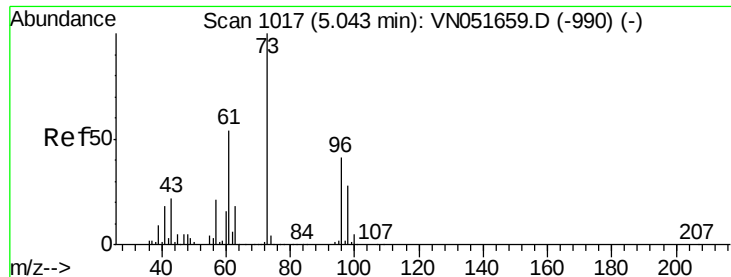
MMDadoda
10/10/2018 10:09:41 AM



#20
Methylene Chloride
Concen: 18.879 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion: 84 Resp: 119917
Ion Ratio Lower Upper
84 100
49 112.5 89.5 134.3
51 32.4 27.4 41.0
86 62.5 51.9 77.9





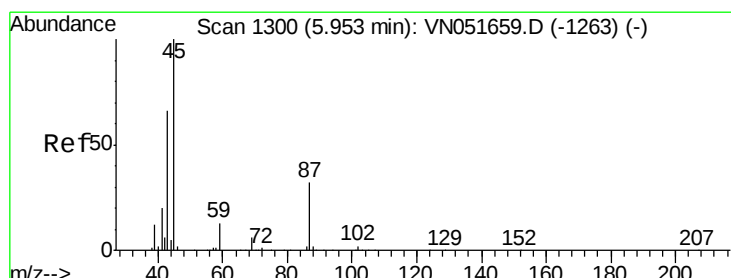
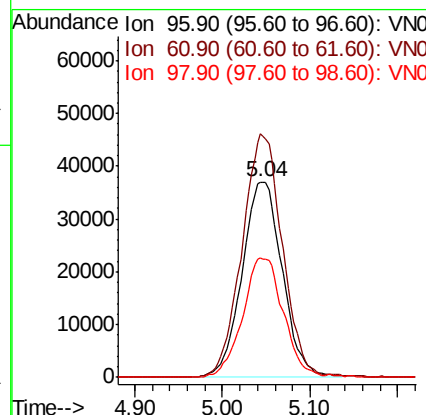
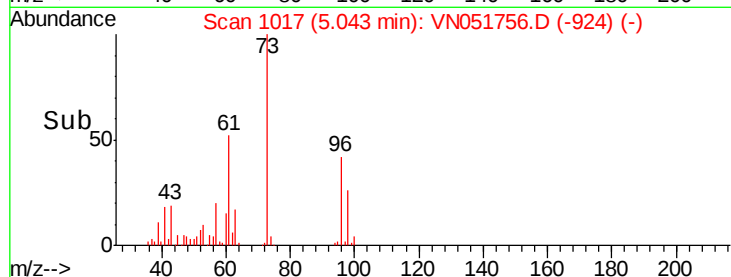
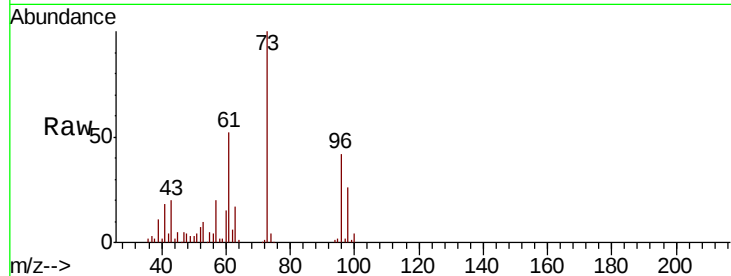
#21
trans-1,2-Dichloroethene
Concen: 18.306 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.6	104.7	157.1
98	61.1	54.6	82.0

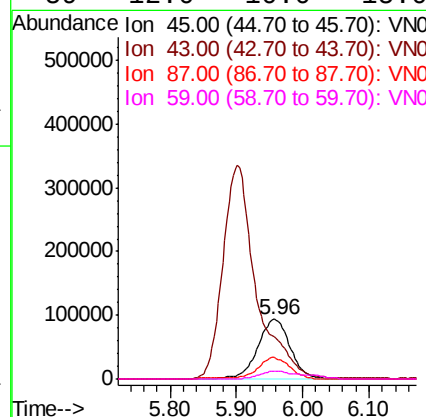
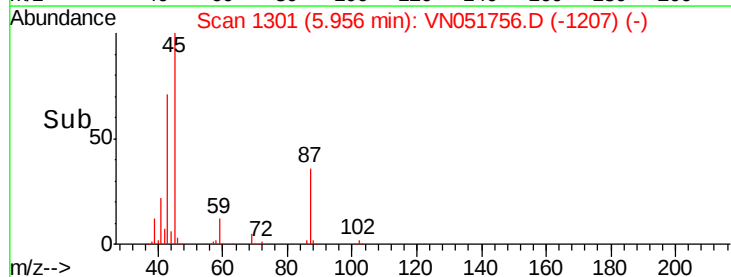
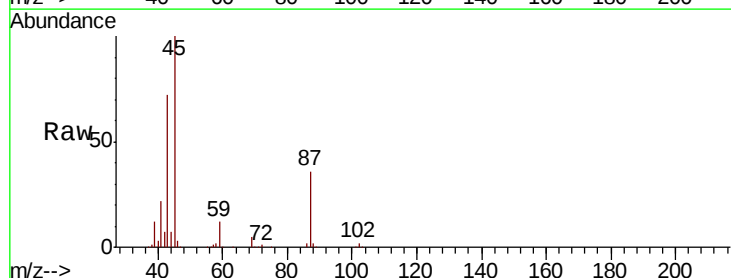
Manual Integrations
APPROVED

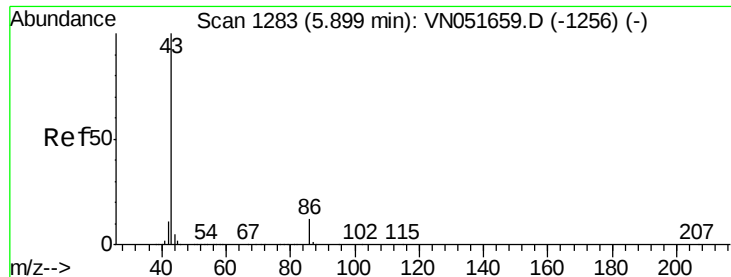
MMDadoda
10/10/2018 10:09:41 AM



#22
Diisopropyl ether
Concen: 17.968 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.9	53.0	79.4
87	36.0	26.4	39.6
59	12.0	10.0	15.0





#23

Vinyl Acetate

Concen: 89.751 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 43 Resp: 1174250

Ion Ratio Lower Upper

43 100

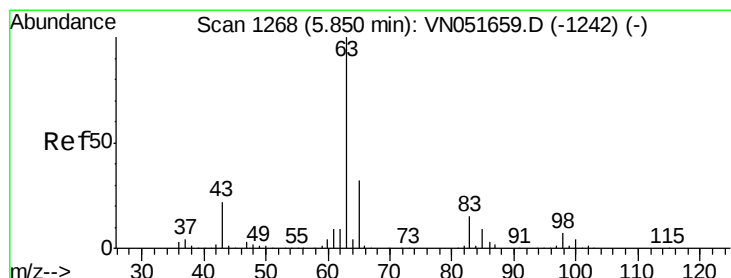
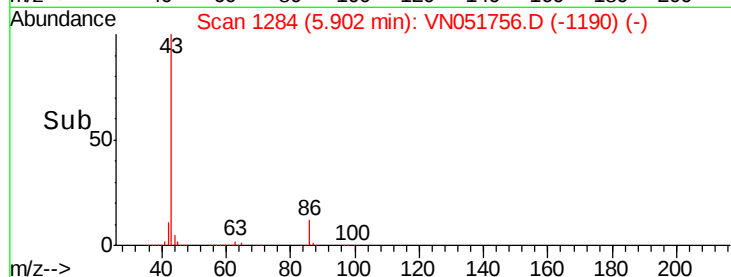
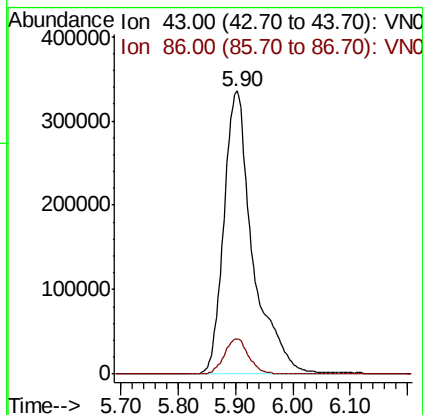
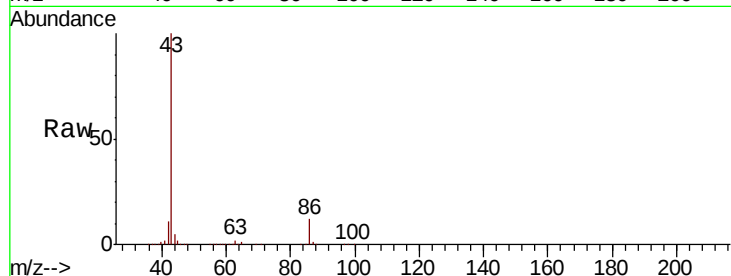
86 12.5 9.3 13.9

Manual Integrations

APPROVED

MMDadoda

10/10/2018 10:09:41 AM



#24

1,1-Dichloroethane

Concen: 18.127 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

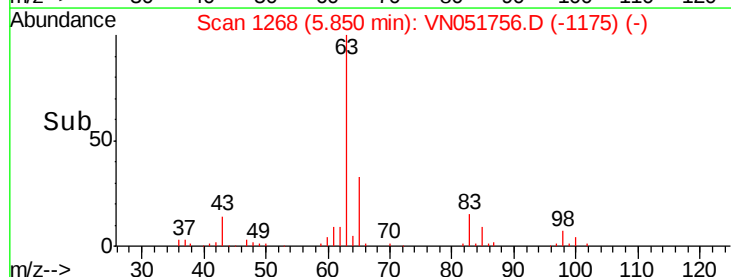
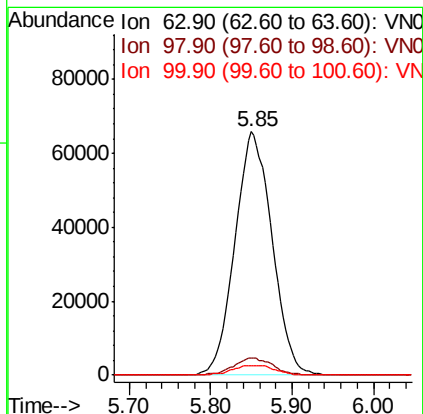
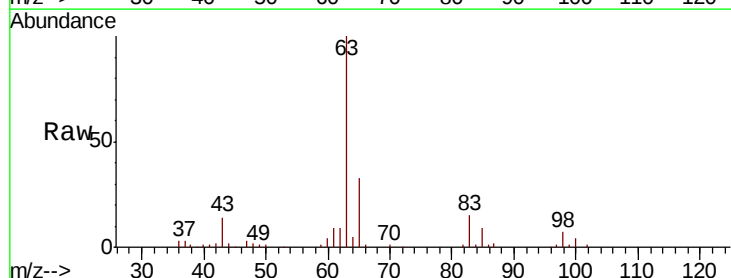
Tgt Ion: 63 Resp: 207442

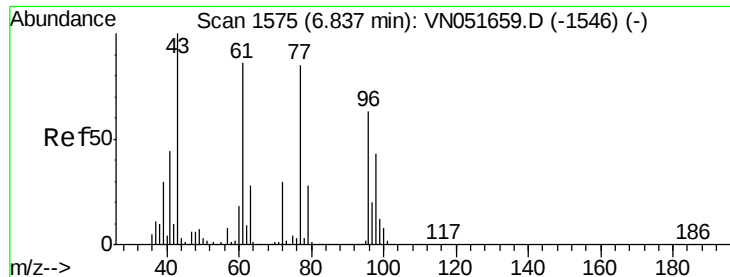
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 3.9 2.2 6.6





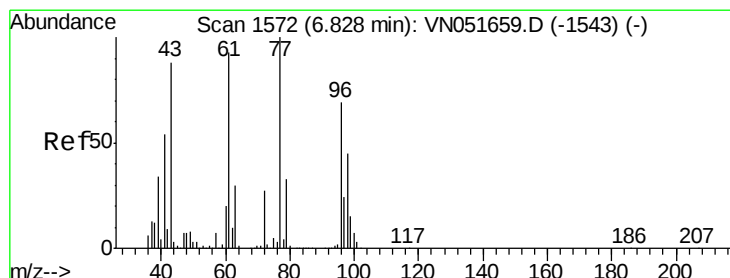
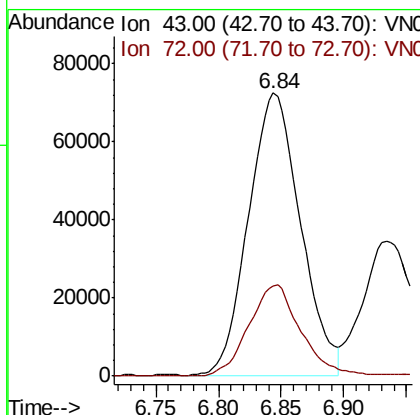
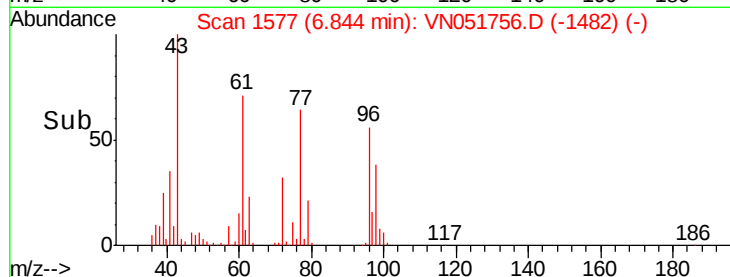
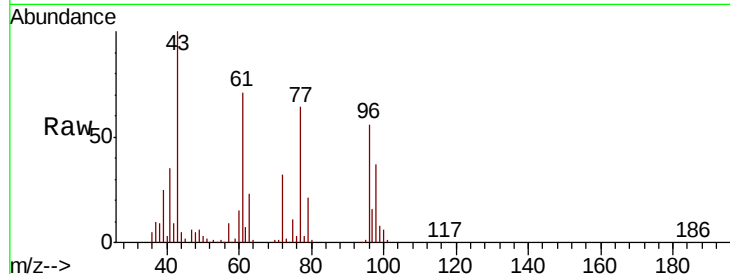
#25
2-Butanone
Concen: 93.327 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion: 43 Resp: 208060
Ion Ratio Lower Upper
43 100
72 32.0 24.2 36.2

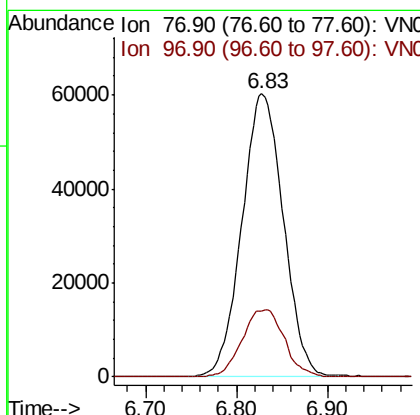
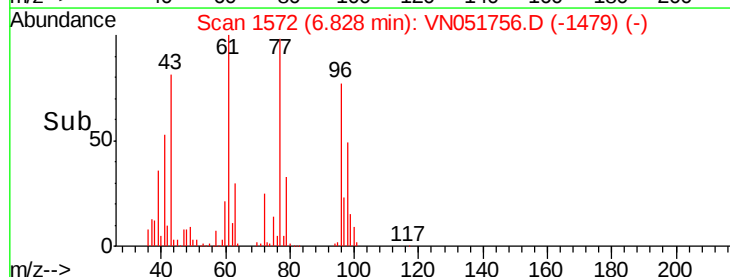
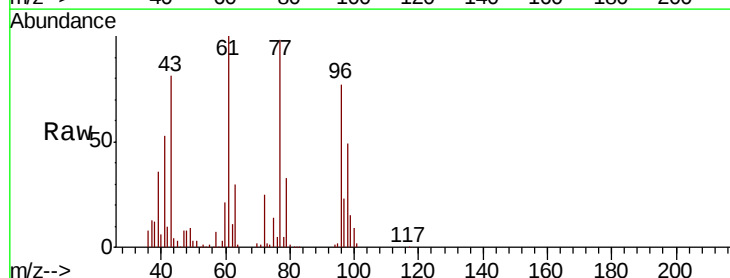
Manual Integrations
APPROVED

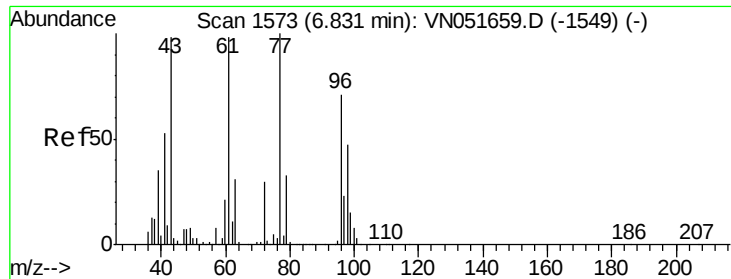
MMDadoda
10/10/2018 10:09:41 AM



#26
2,2-Dichloropropane
Concen: 16.622 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion: 77 Resp: 190622
Ion Ratio Lower Upper
77 100
97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.936 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

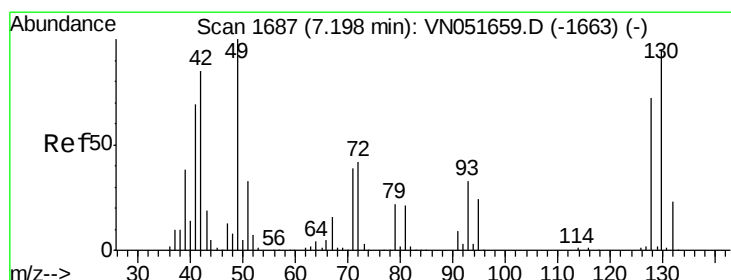
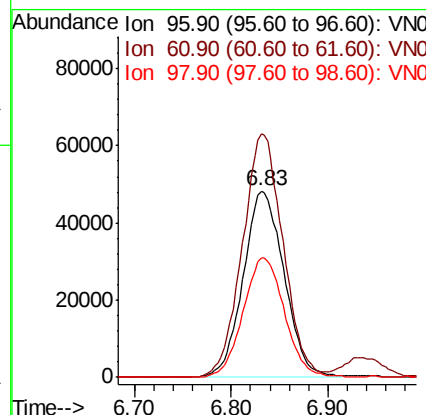
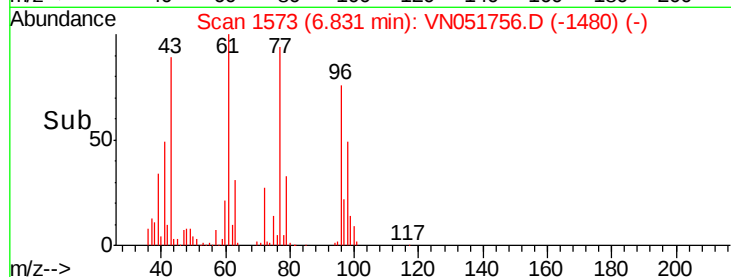
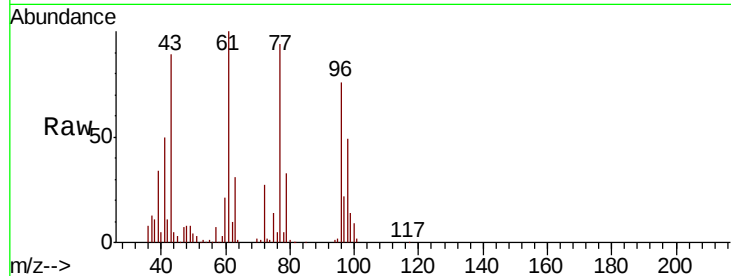
ClientSampleId :

VN1009WBS02

Tot Ion:	96	Resp:	141768
Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	275.4
98	64.7	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#28

Bromochloromethane

Concen: 19.333 ug/l

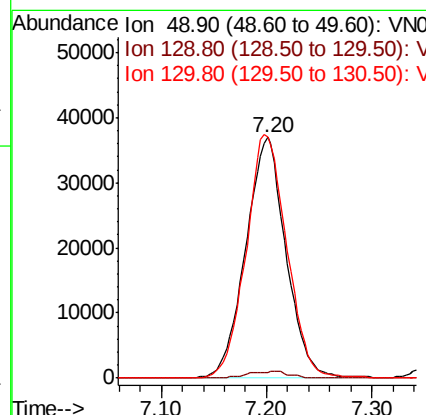
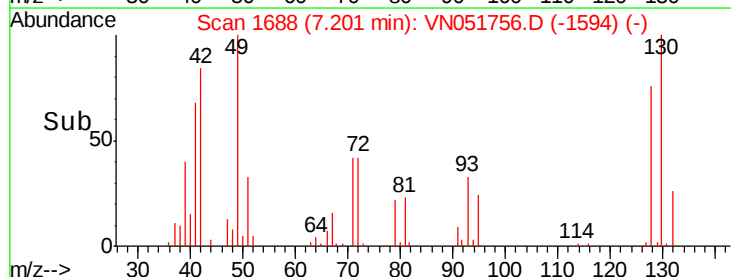
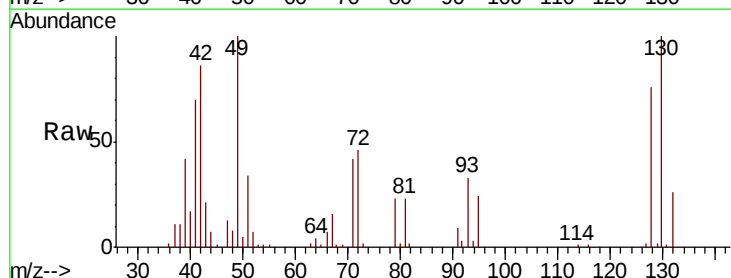
RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Tgt Ion:	49	Resp:	97947
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	102.4	75.7	113.5





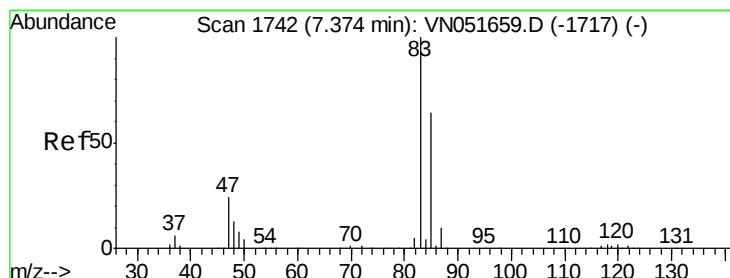
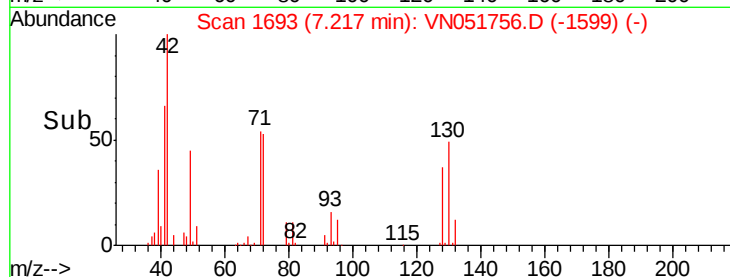
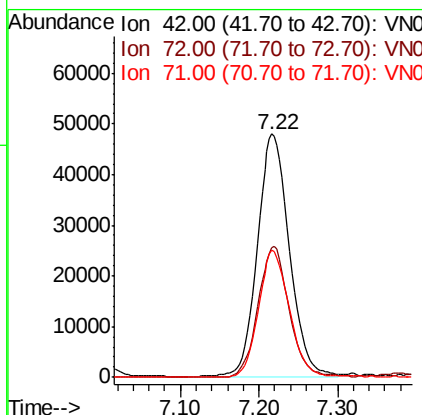
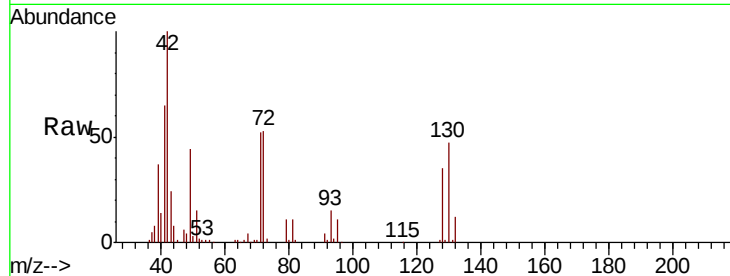
#29
Tetrahydrofuran
Concen: 101.529 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	40.1	60.1
71	50.0	38.0	57.0

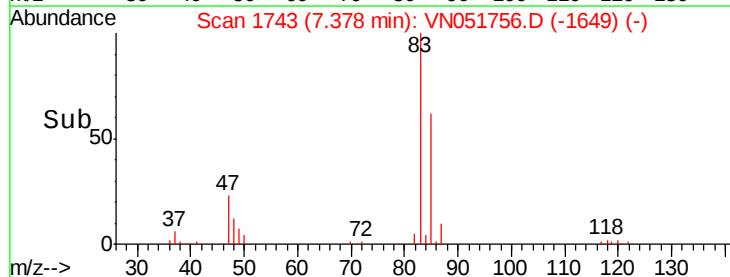
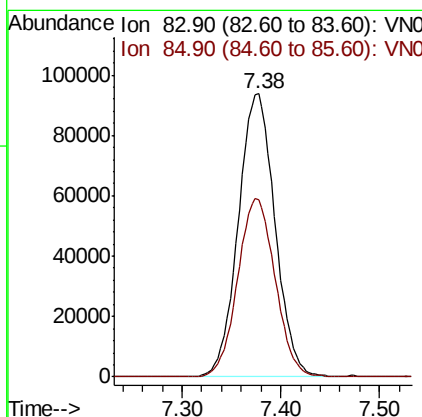
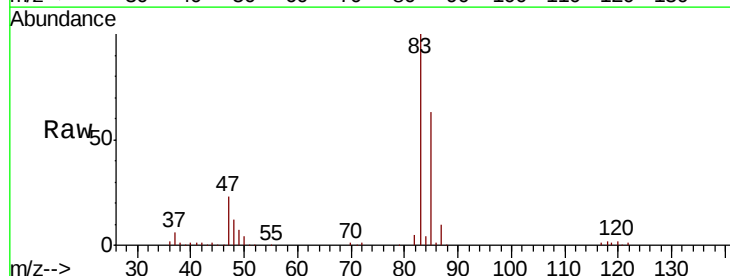
Manual Integrations
APPROVED

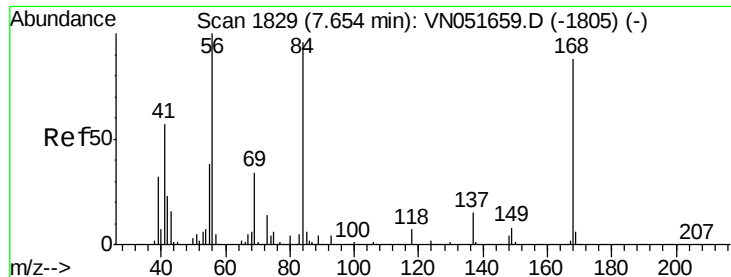
MMDadoda
10/10/2018 10:09:41 AM



#30
Chloroform
Concen: 18.818 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.6	77.4





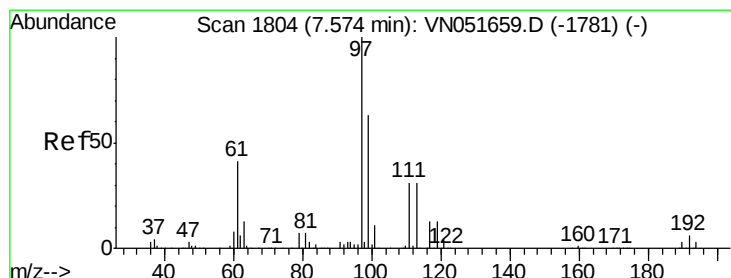
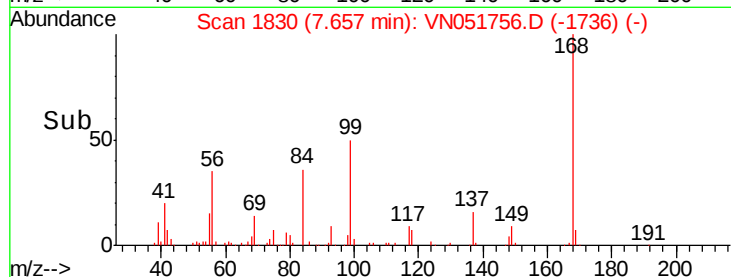
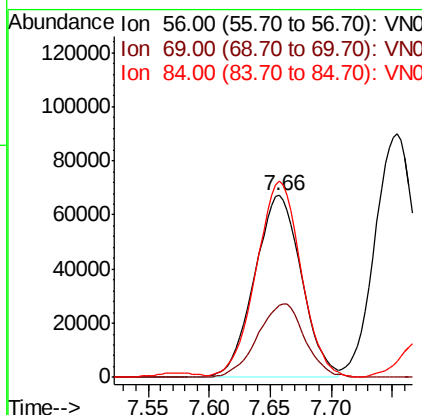
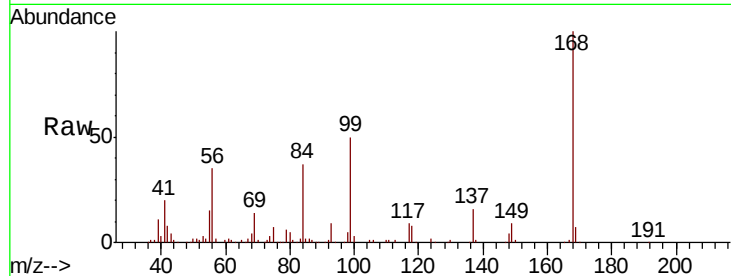
#31
Cyclohexane
Concen: 17.169 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.5	41.3
84	105.9	76.7	115.1

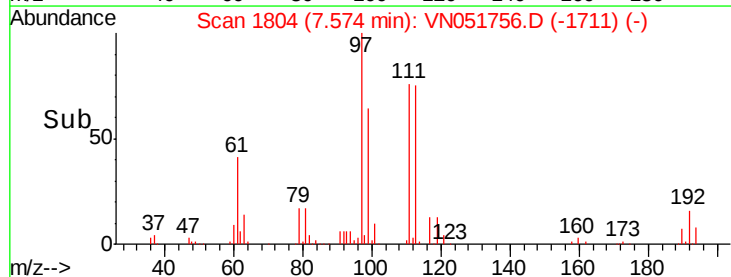
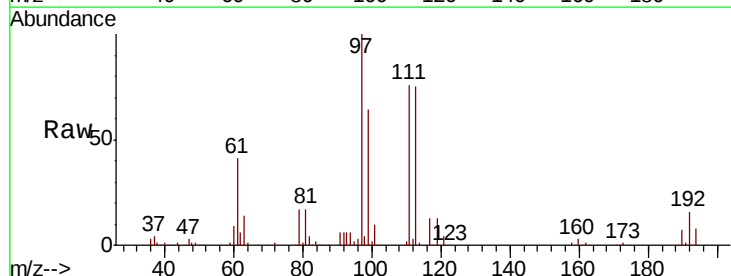
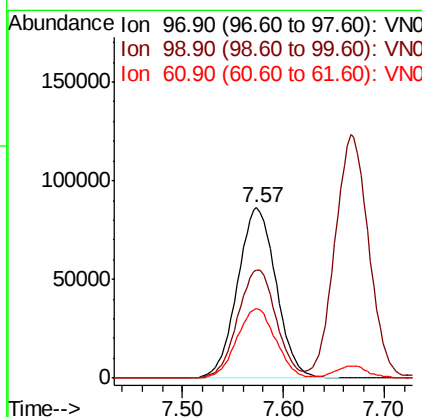
Manual Integrations
APPROVED

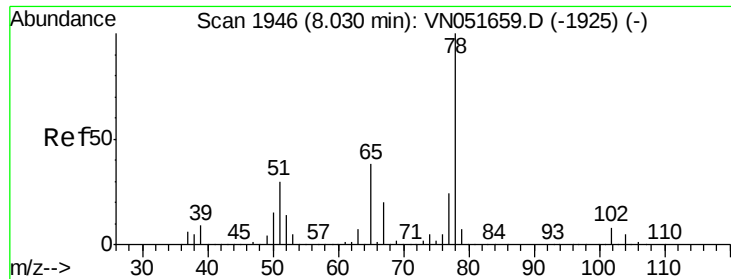
MMDadoda
10/10/2018 10:09:41 AM



#32
1,1,1-Trichloroethane
Concen: 18.397 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.9	77.9
61	41.0	33.4	50.0





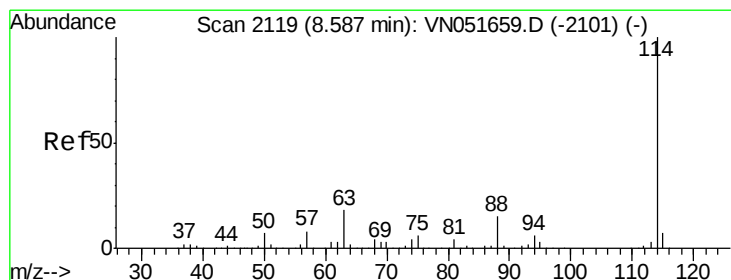
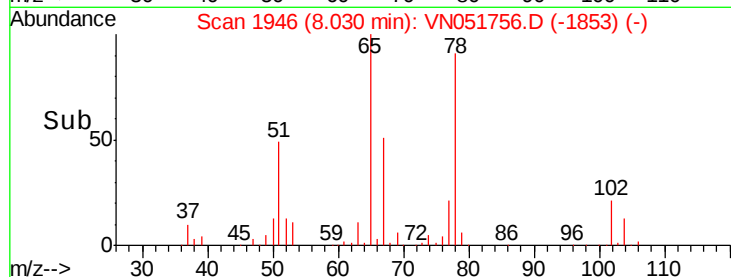
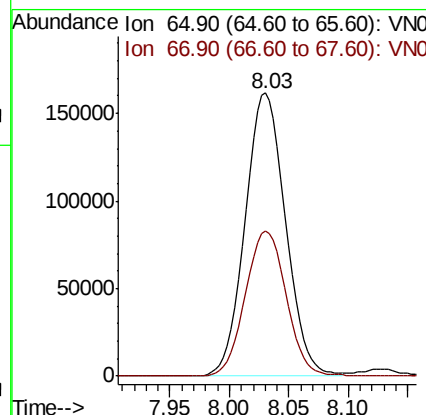
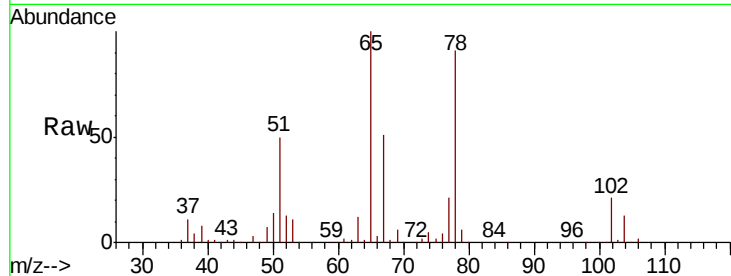
#33
 1,2-Dichloroethane-d4
 Concen: 18.397 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.6	

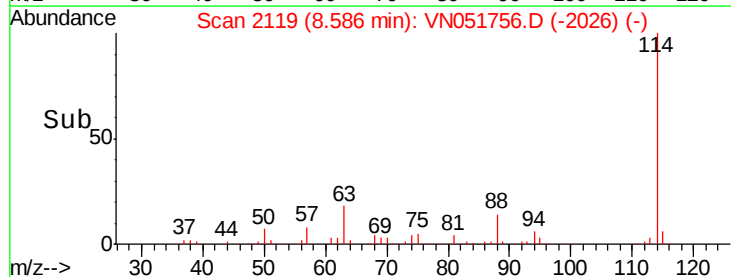
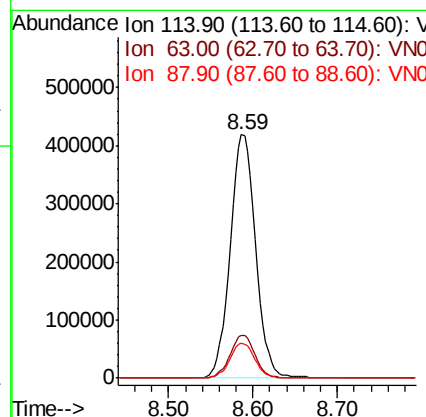
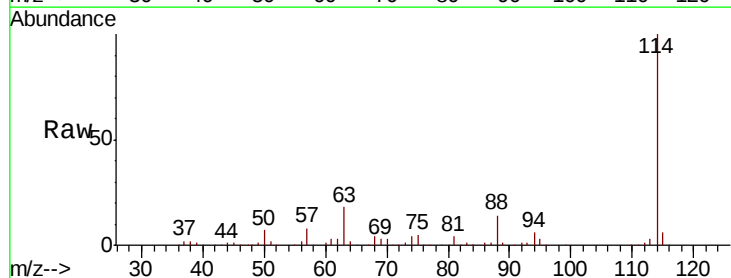
Manual Integrations
 APPROVED

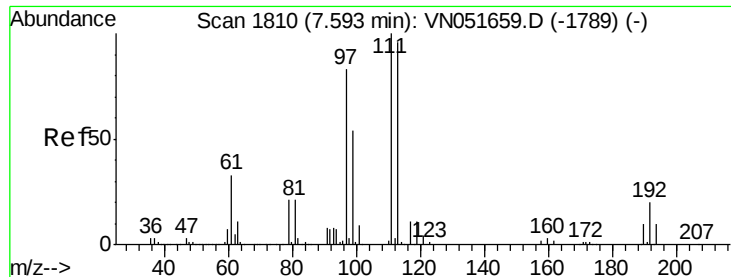
MMDadoda
 10/10/2018 10:09:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	36.2	
88	14.5	0.0	30.2	





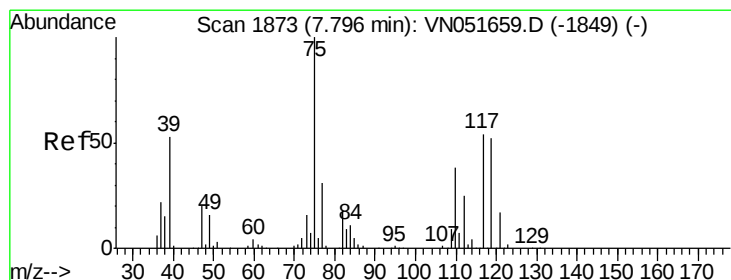
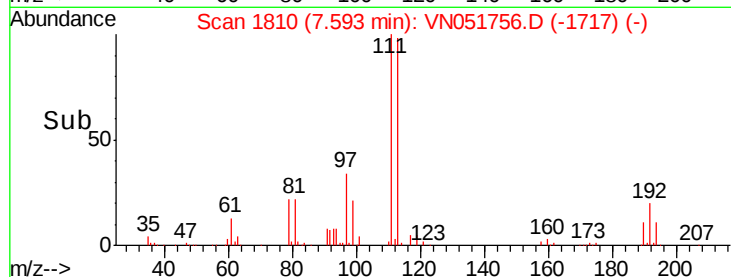
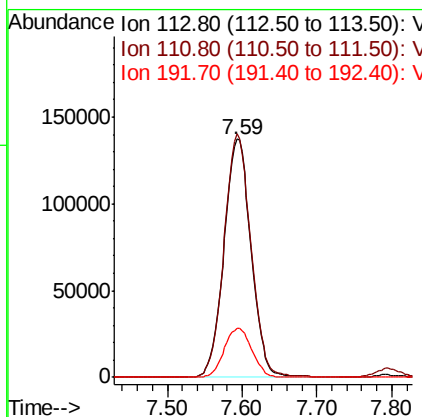
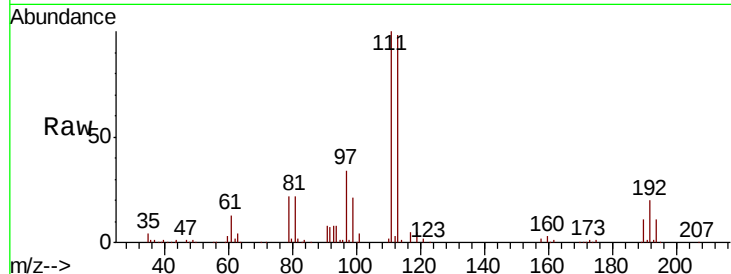
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	344580		
111	101.0	81.8	122.8	
192	21.1	16.5	24.7	

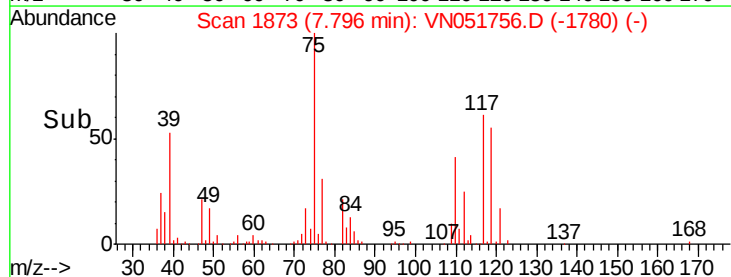
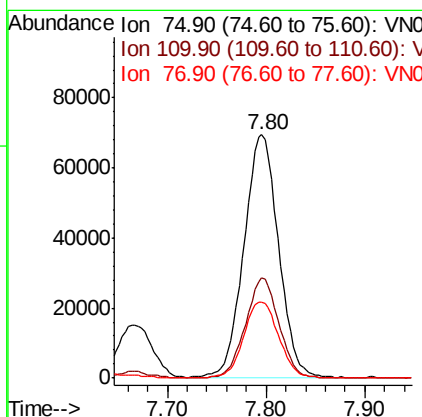
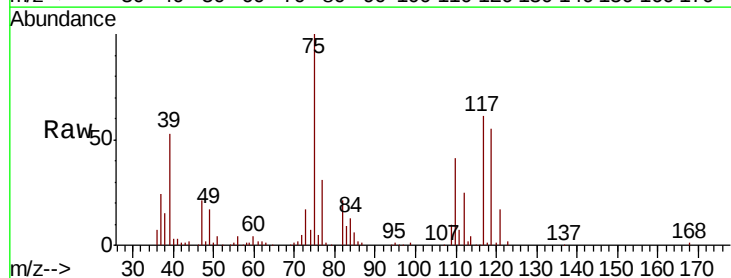
Manual Integrations
APPROVED

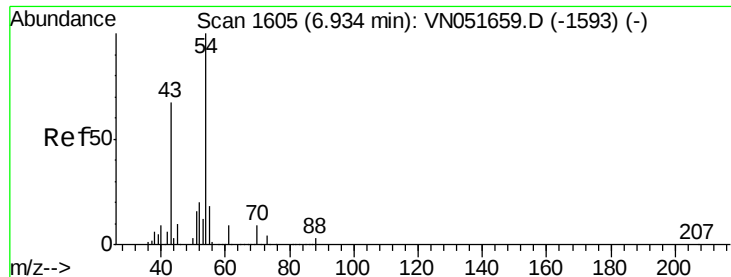
MMDadoda
10/10/2018 10:09:41 AM



#36
1,1-Dichloropropene
Concen: 18.249 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	167540		
110	39.9	19.3	57.8	
77	32.1	24.7	37.1	





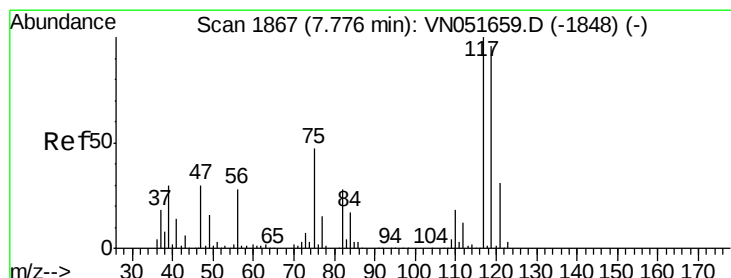
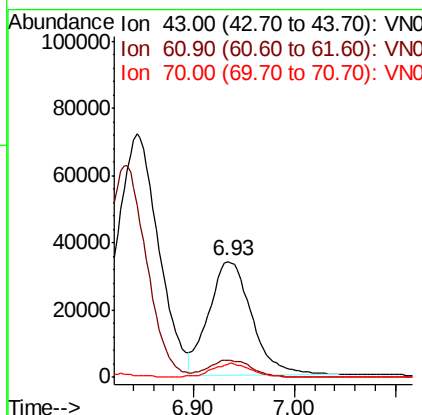
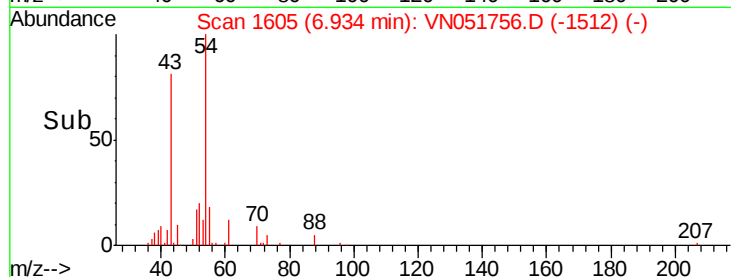
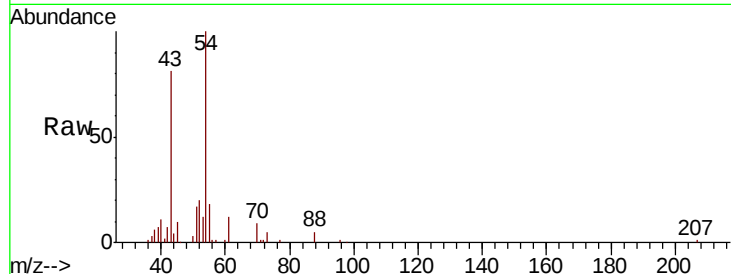
#37
Ethyl Acetate
Concen: 21.164 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.6
70	11.3	8.7	13.1

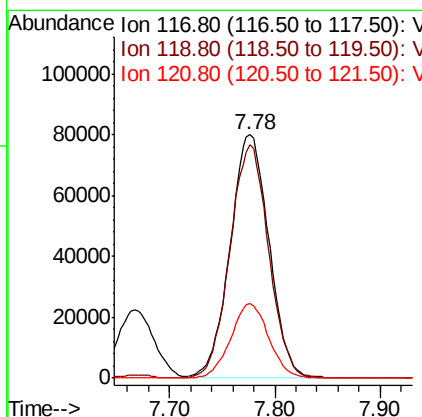
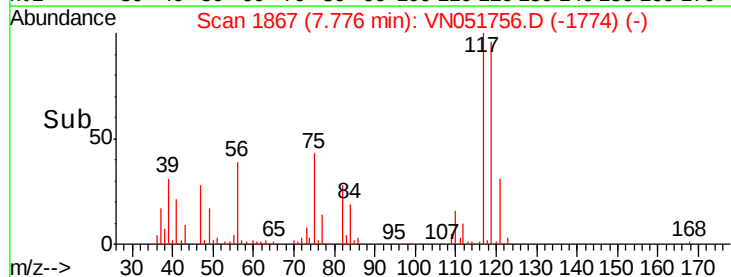
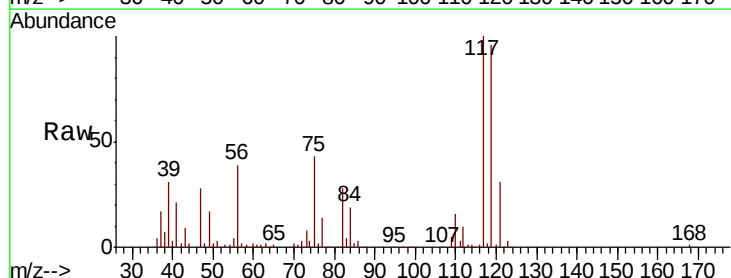
Manual Integrations
APPROVED

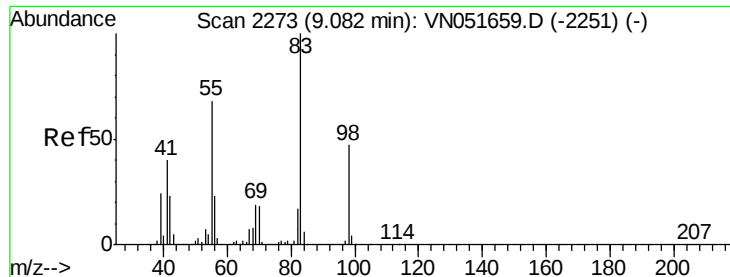
MMDadoda
10/10/2018 10:09:41 AM



#38
Carbon Tetrachloride
Concen: 18.468 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6
121	30.6	25.0	37.6





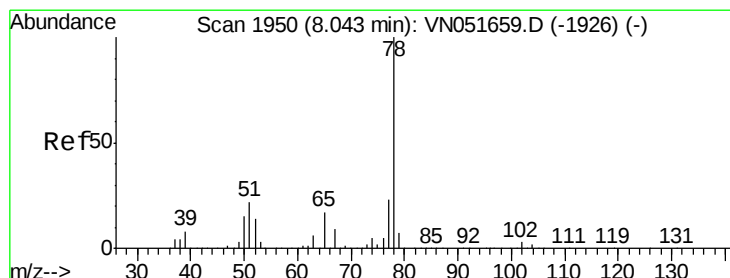
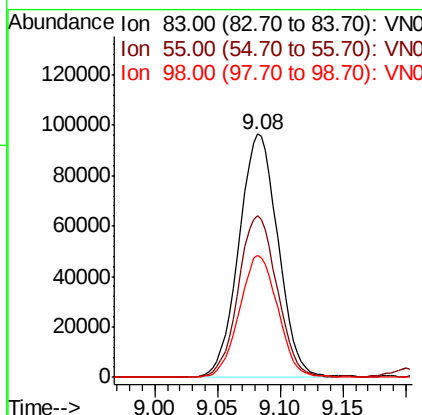
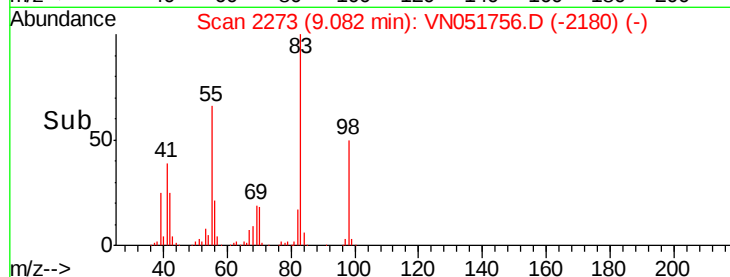
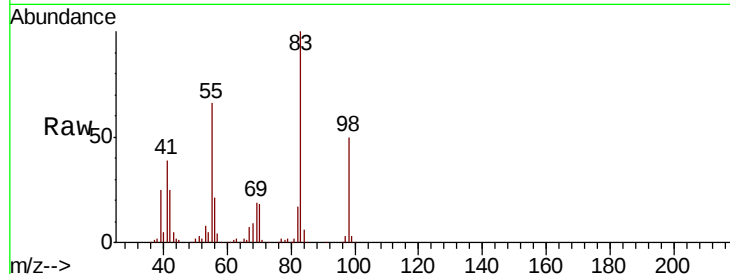
#39
Methvlcvclohexane
Concen: 18.193 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	54.3	81.5
98	50.3	37.4	56.2

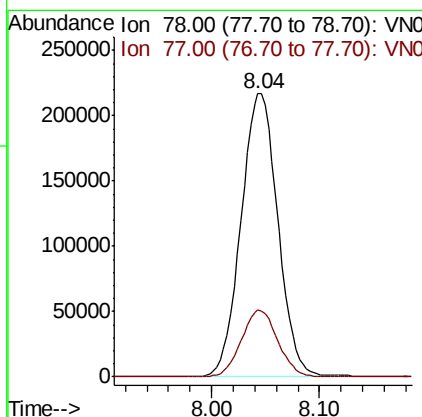
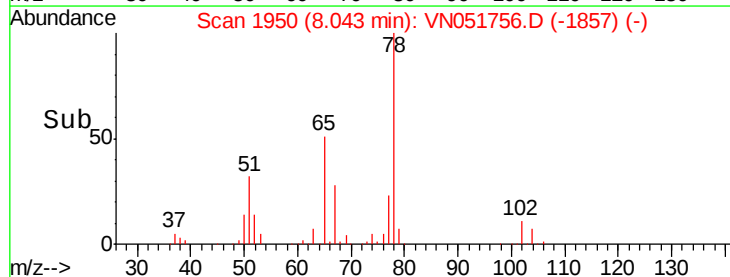
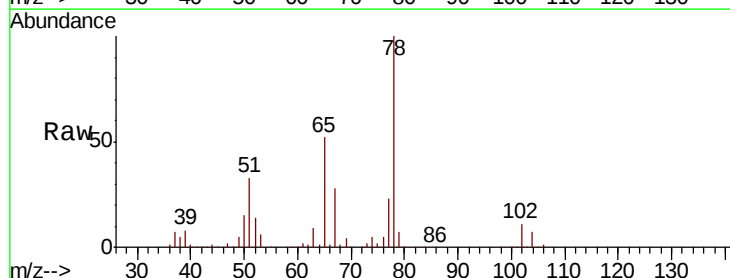
Manual Integrations
APPROVED

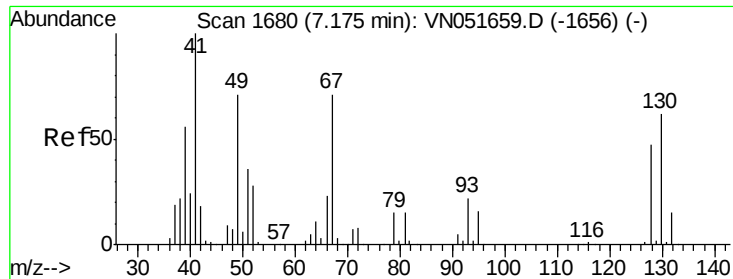
MMDadoda
10/10/2018 10:09:41 AM



#40
Benzene
Concen: 18.941 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





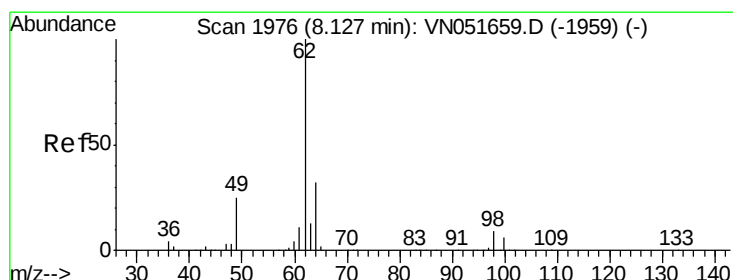
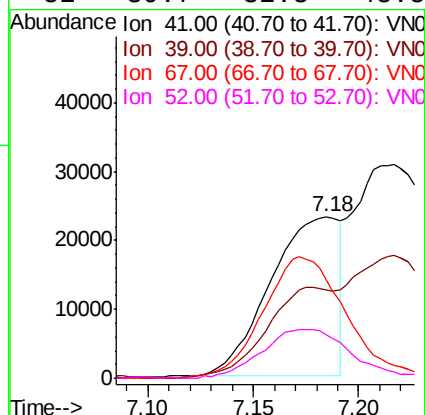
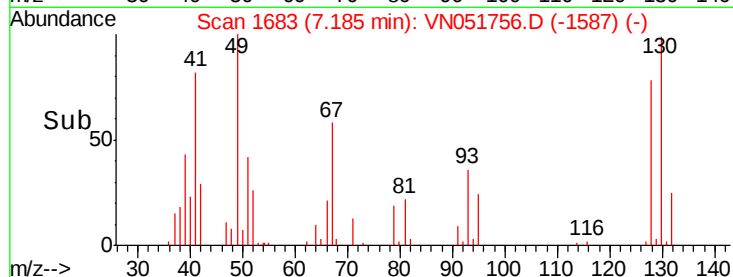
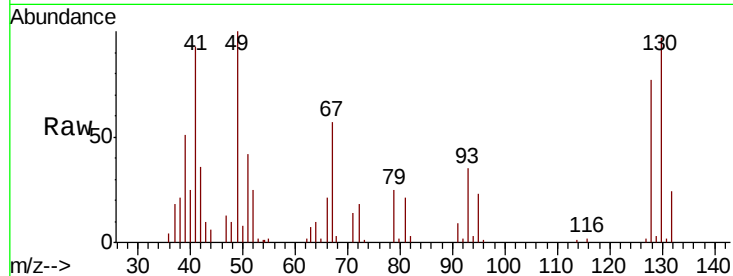
#41
Methacrylonitrile
Concen: 21.160 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	41	Resp	52630
Ion	Ratio	Lower	Upper
41	100		
39	54.1	53.9	80.9
67	91.5	78.1	117.1
52	39.7	32.3	48.5

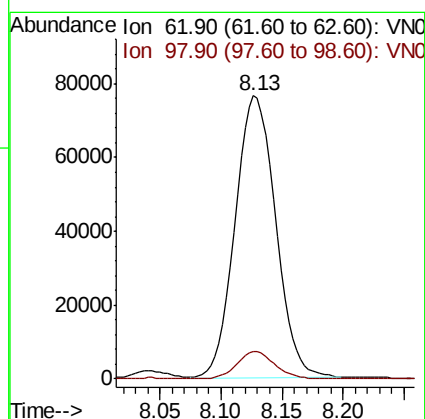
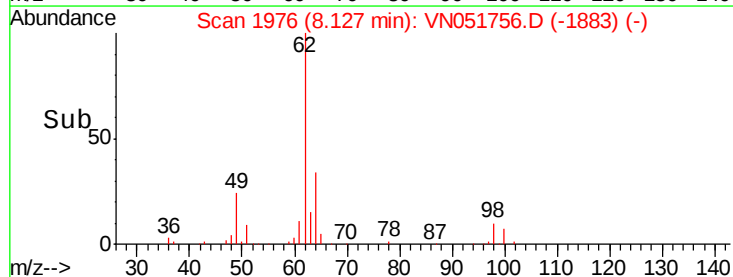
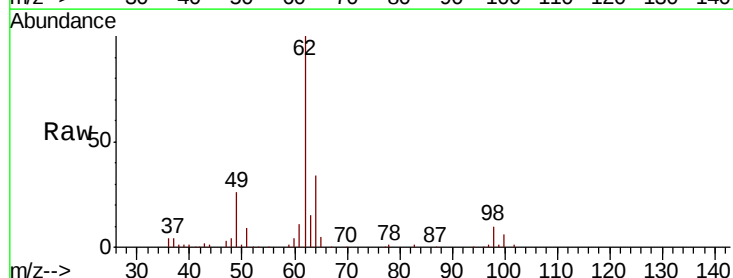
Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#42
1,2-Dichloroethane
Concen: 19.267 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	62	Resp	176716
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





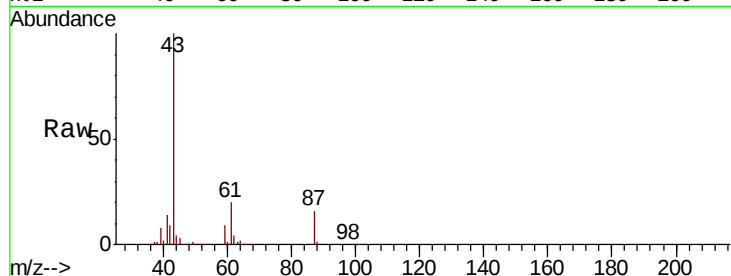
#43
Isopropyl Acetate
Concen: 19.728 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

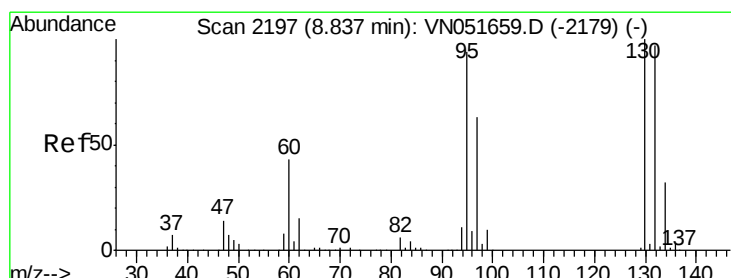
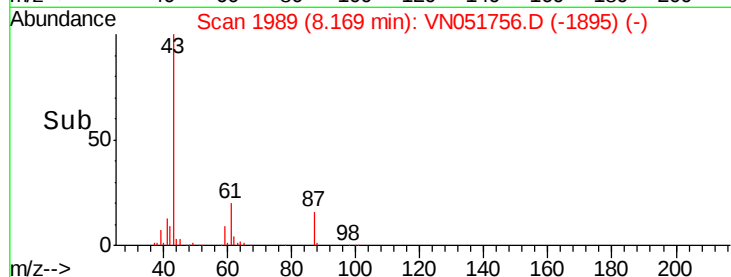
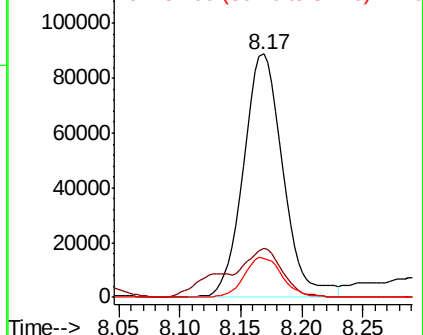
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	16.1	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

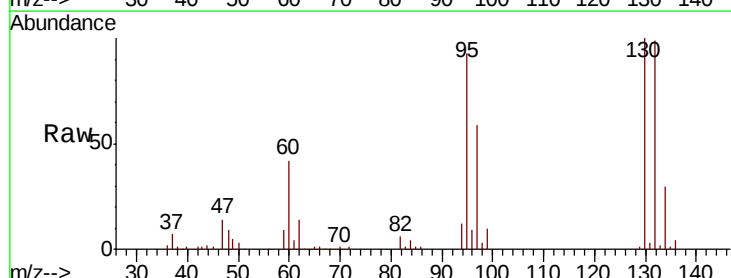


Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)
Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)
Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)

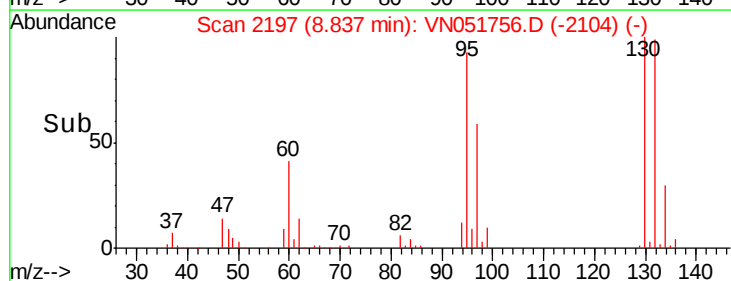
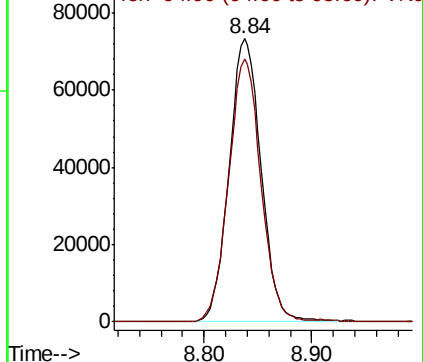


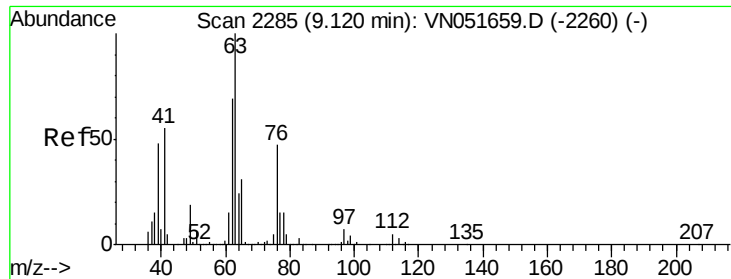
#44
Trichloroethene
Concen: 19.651 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)





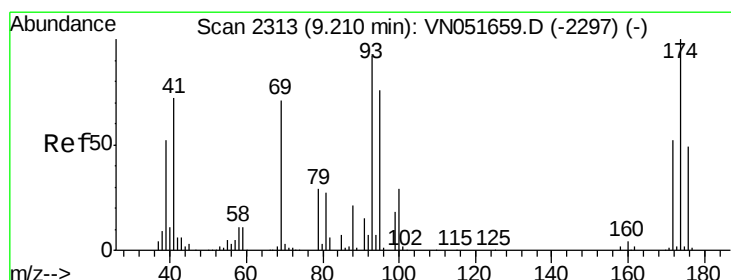
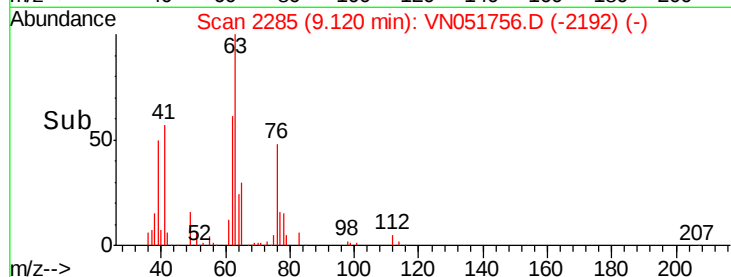
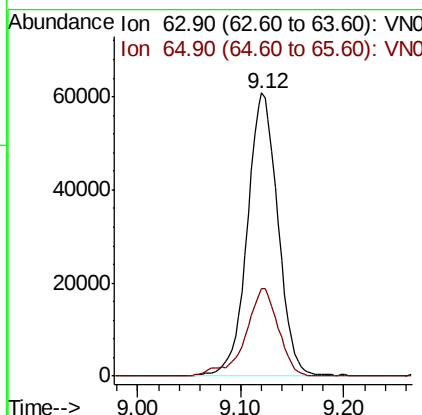
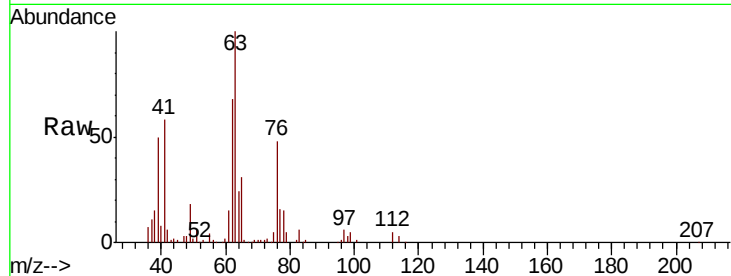
#45
 1,2-Dichloropropane
 Concen: 18.618 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.4

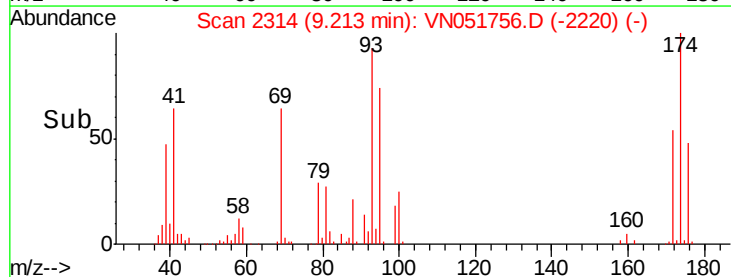
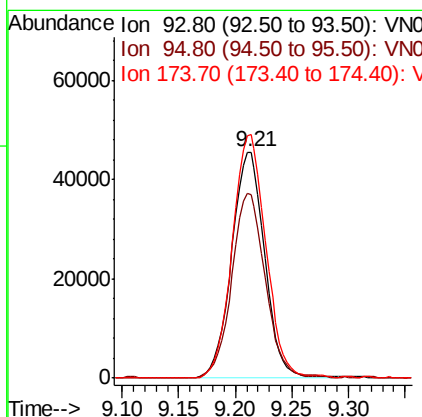
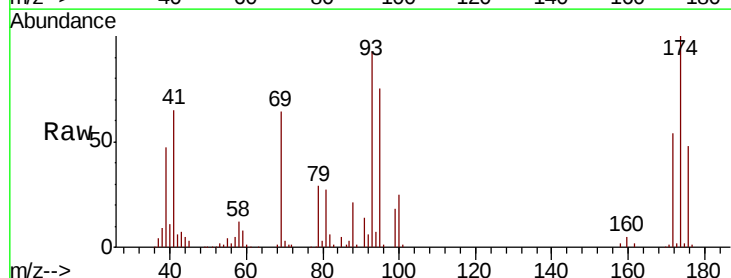
Manual Integrations
 APPROVED

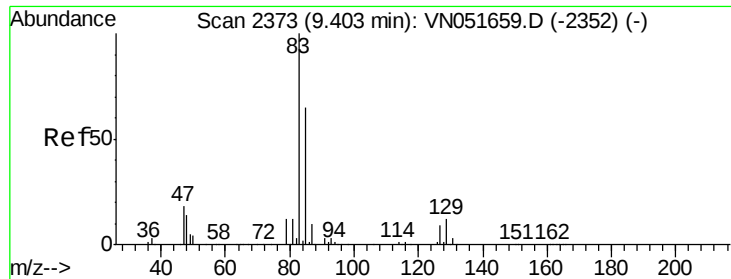
MMDadoda
 10/10/2018 10:09:41 AM



#46
 Dibromomethane
 Concen: 19.835 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	109.6	85.9	128.9





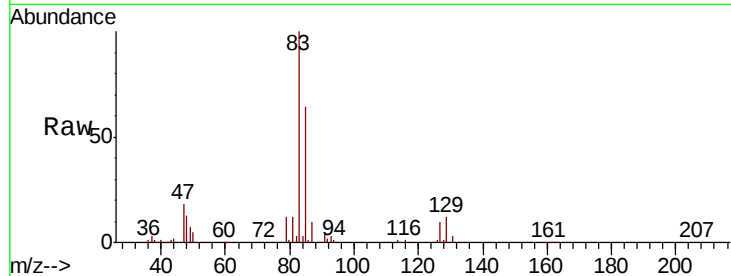
#47
Bromodichloromethane
Concen: 18.851 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

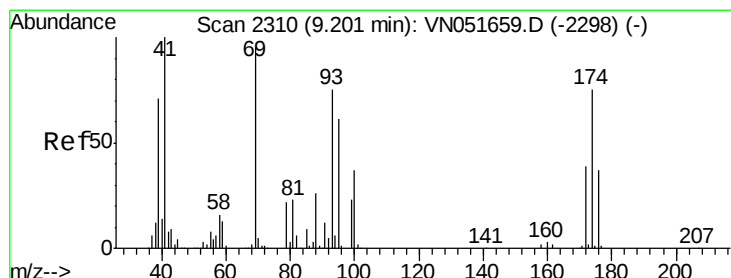
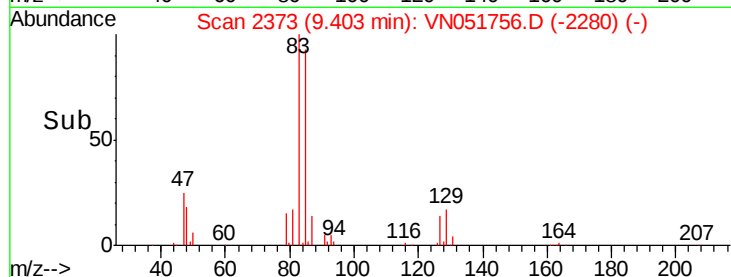
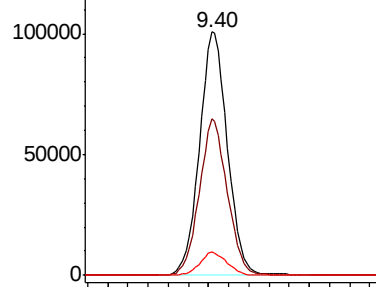
Tot Ion	Ratio	Resp	Lower	Upper
83	100	194093		
85	64.2	51.6	77.4	
127	9.8	7.3	10.9	

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

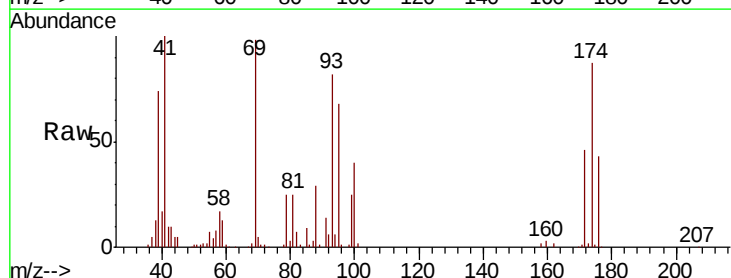


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

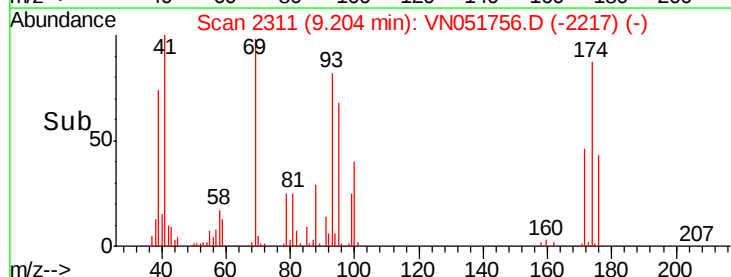
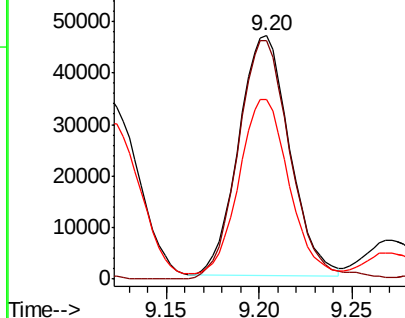


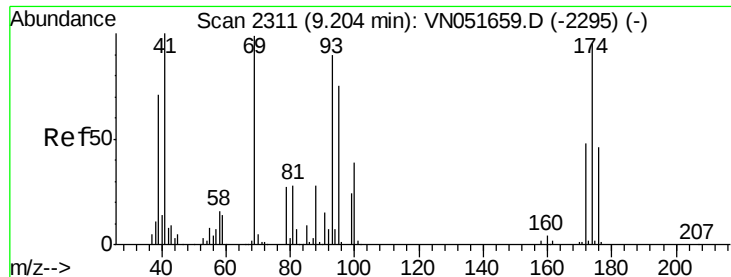
#48
Methyl methacrylate
Concen: 19.506 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	88980		
69	102.3	78.6	118.0	
39	74.3	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





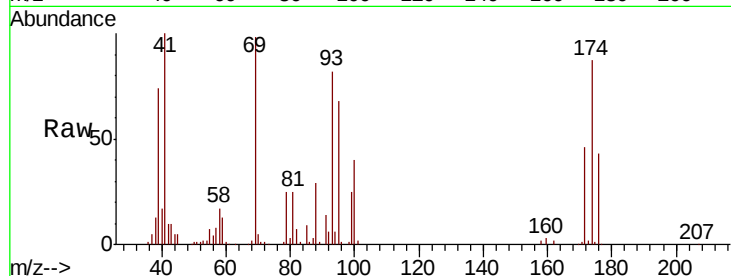
#49
1,4-Dioxane
Concen: 422.344 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	88	Resp	28889
Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.5	36.7
58	58.6	47.6	71.4

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

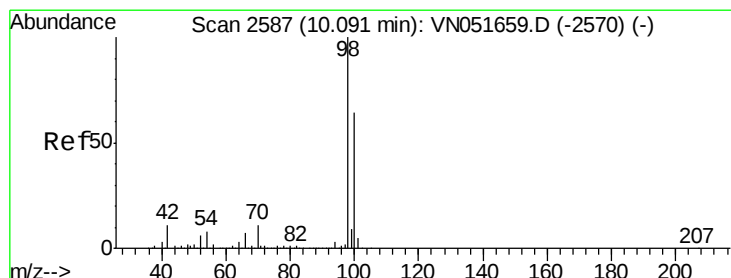
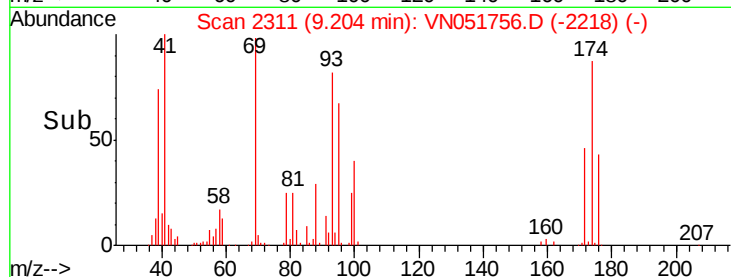
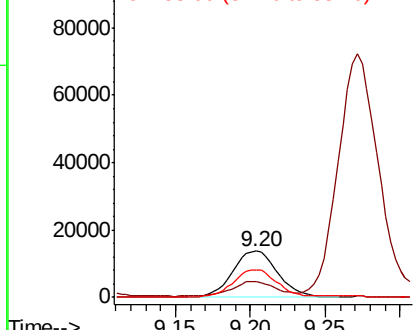


Abundance

Ion 88.00 (87.70 to 88.70): VN051756.D (-2295) (-)

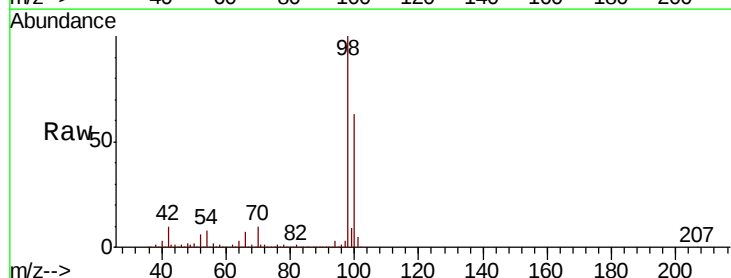
Ion 43.00 (42.70 to 43.70): VN051756.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051756.D (-2295) (-)



#50
Toluene-d8
Concen: 422.344 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

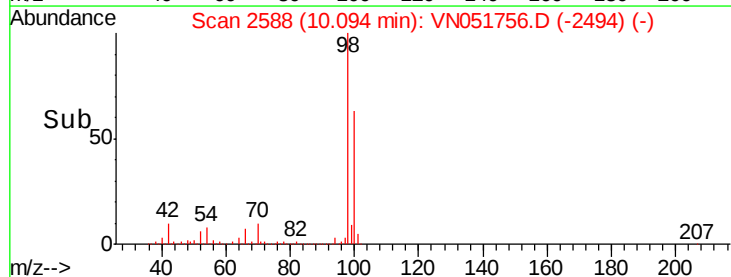
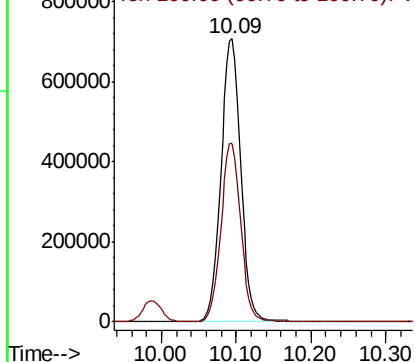
Tgt Ion	98	Resp	1296496
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3

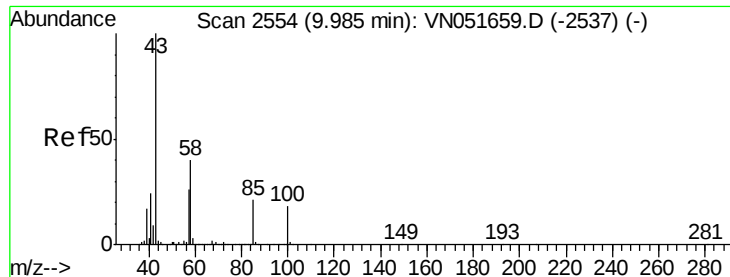


Abundance

Ion 98.00 (97.70 to 98.70): VN051756.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051756.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.733 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 43 Resp: 519698

Ion Ratio Lower Upper

43 100

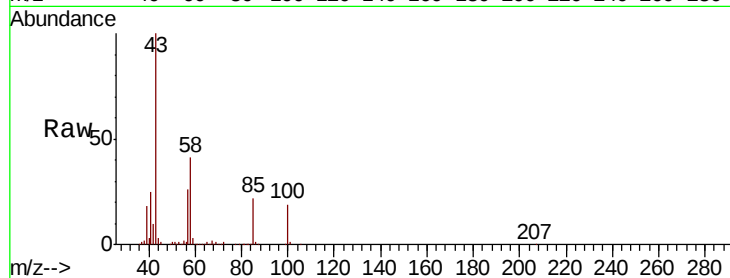
58 40.4 32.2 48.2

Manual Integrations

APPROVED

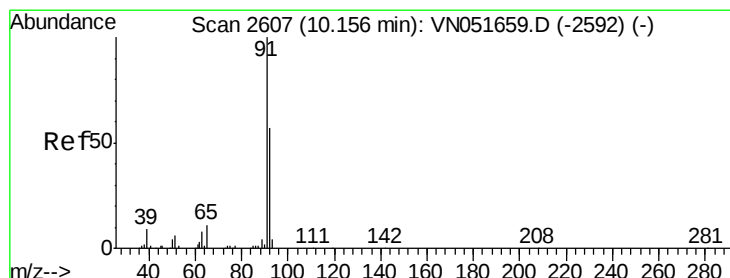
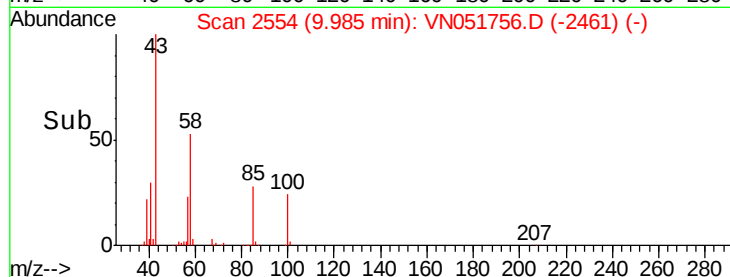
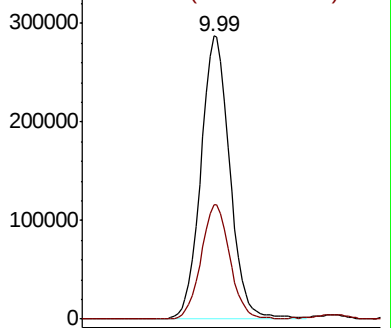
MMDadoda

10/10/2018 10:09:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.443 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051756.D

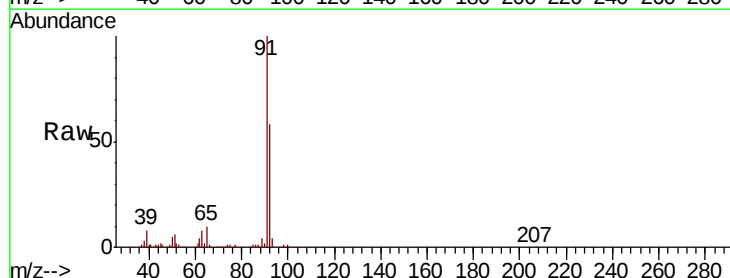
Acq: 9 Oct 2018 18:32

Tgt Ion: 92 Resp: 351948

Ion Ratio Lower Upper

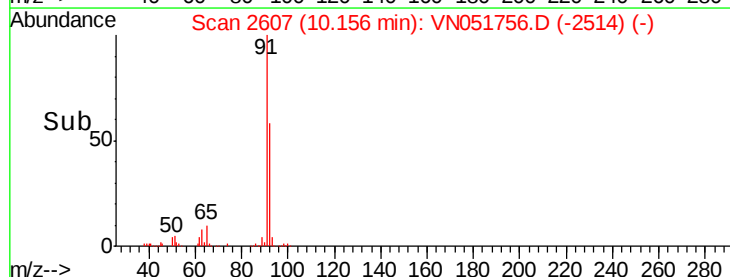
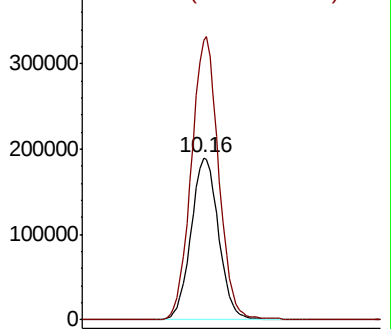
92 100

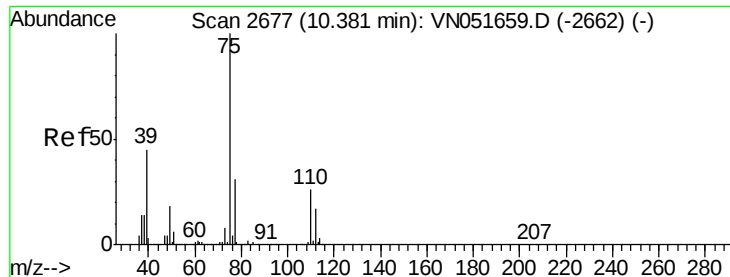
91 173.0 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





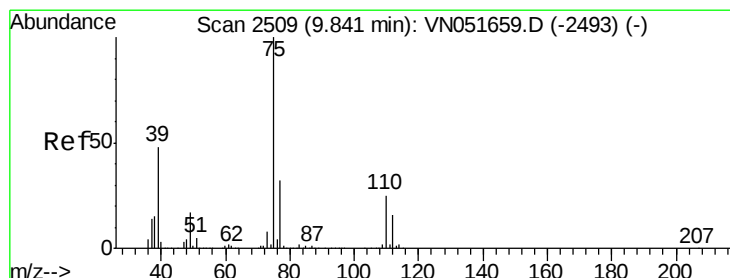
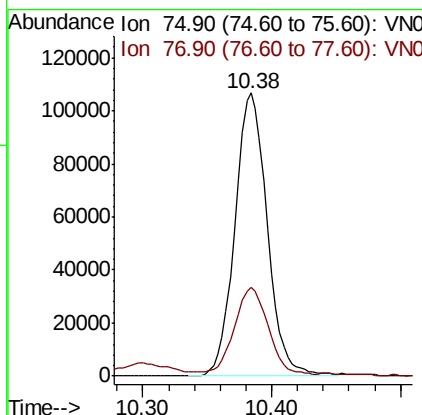
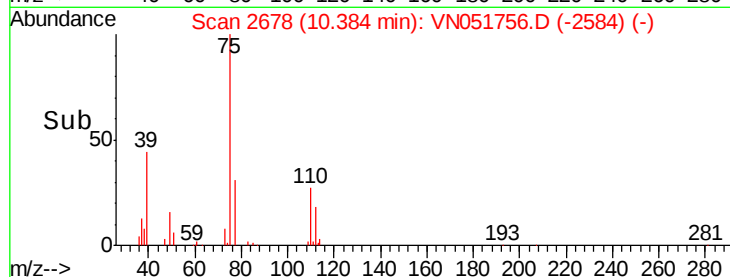
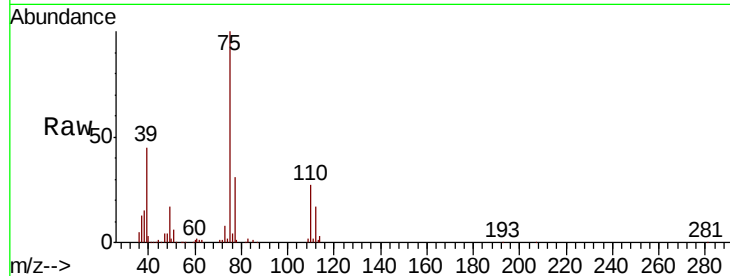
#53
t-1,3-Dichloropropene
Concen: 17.521 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3

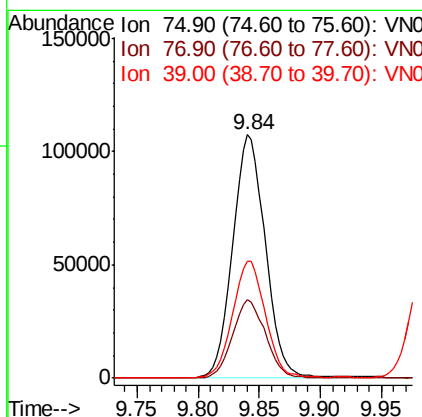
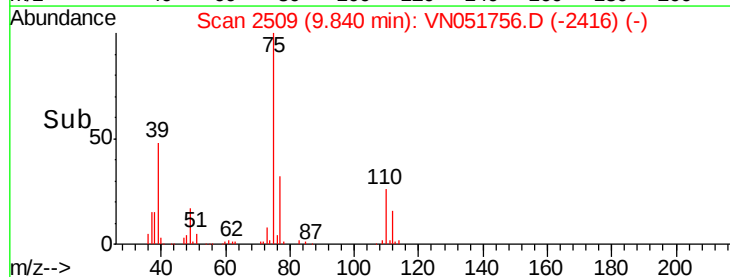
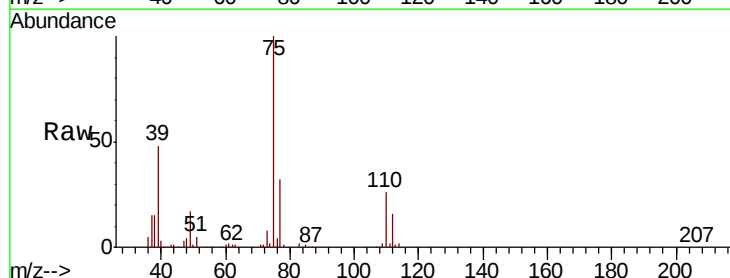
Manual Integrations
APPROVED

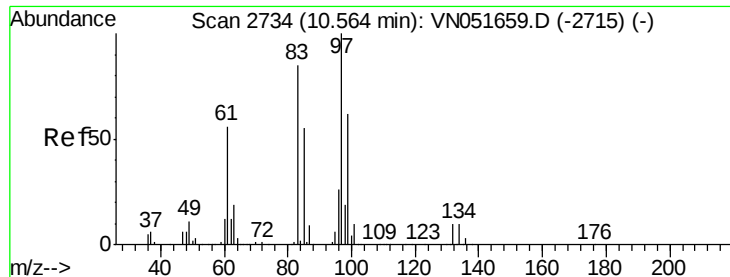
MMDadoda
10/10/2018 10:09:41 AM



#54
cis-1,3-Dichloropropene
Concen: 17.685 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	48.0	38.1	57.1





#55

1,1,2-Trichloroethane

Concen: 19.894 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

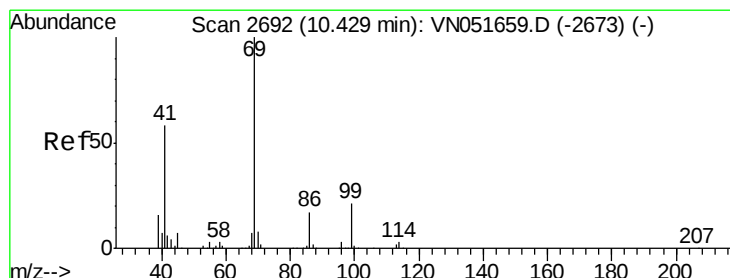
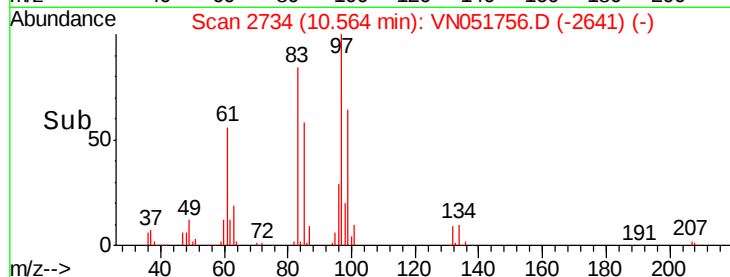
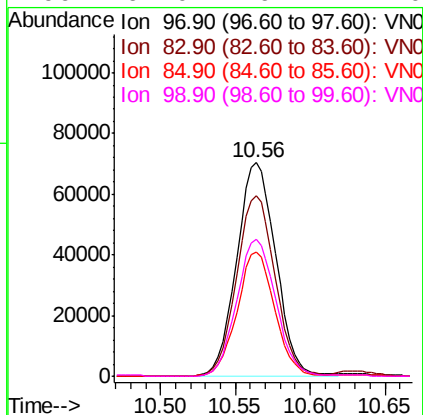
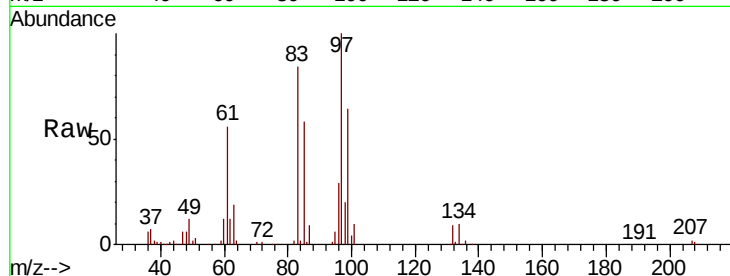
ClientSampleId :

VN1009WBS02

Tot Ion:	97	Resp:	128282
Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.1	102.1
85	57.8	43.6	65.4
99	64.0	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#56

Ethyl methacrylate

Concen: 19.538 ug/l

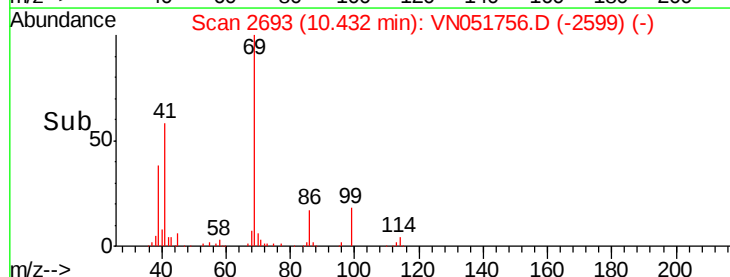
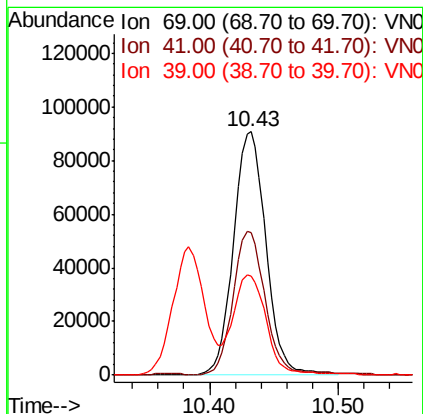
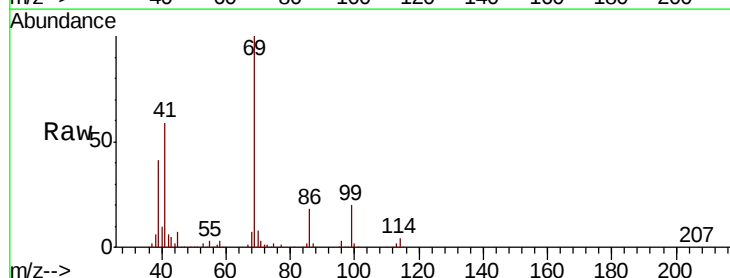
RT: 10.43 min Scan# 2693

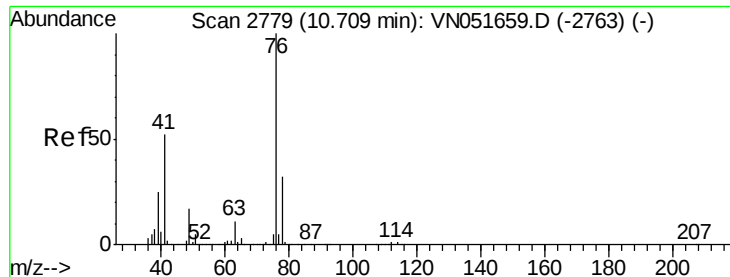
Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Tgt Ion:	69	Resp:	159330
Ion	Ratio	Lower	Upper
69	100		
41	57.0	46.4	69.6
39	40.3	32.4	48.6





#57

1,3-Dichloropropane

Concen: 19.838 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 76 Resp: 202469

Ion Ratio Lower Upper

76 100

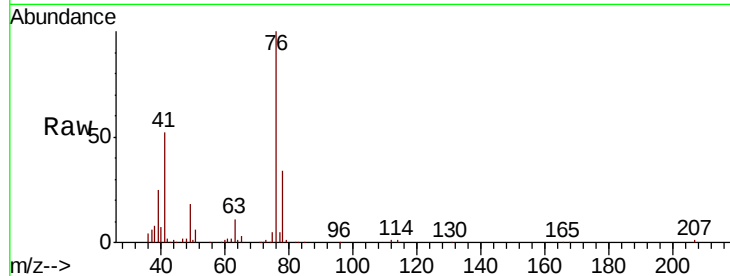
78 32.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/10/2018 10:09:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

120000

100000

80000

60000

40000

20000

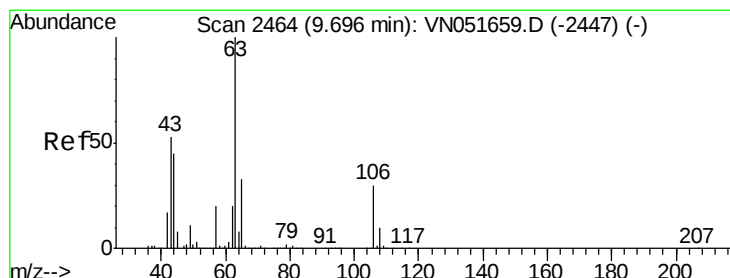
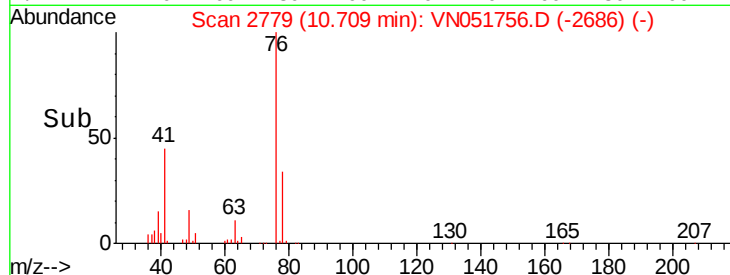
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.853 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051756.D

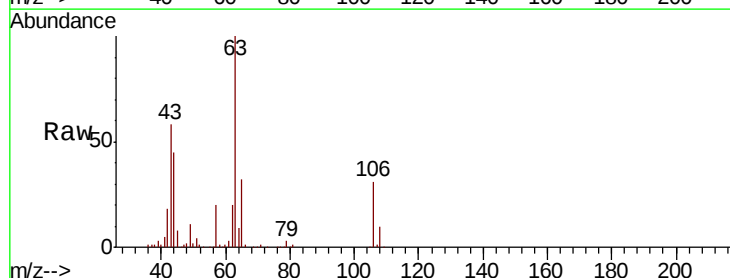
Acq: 9 Oct 2018 18:32

Tgt Ion: 63 Resp: 323499

Ion Ratio Lower Upper

63 100

106 31.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

150000

100000

50000

0

9.60

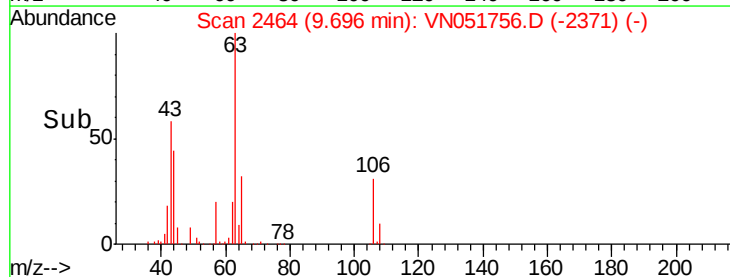
9.65

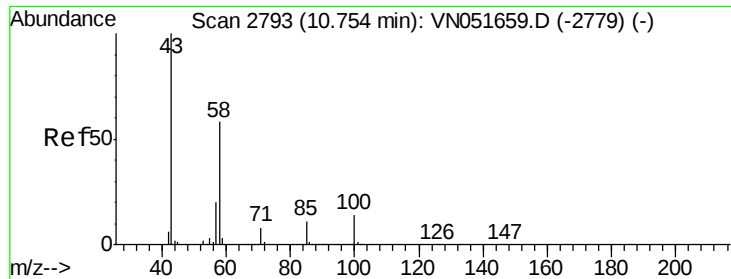
9.70

9.75

9.80

Time-->





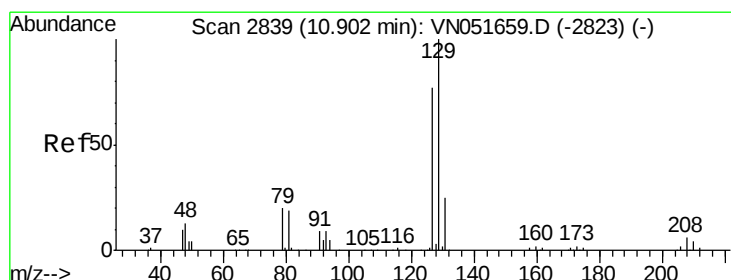
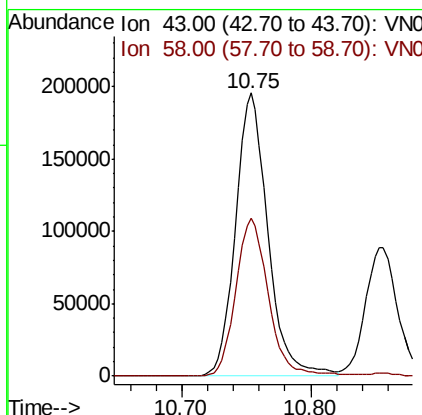
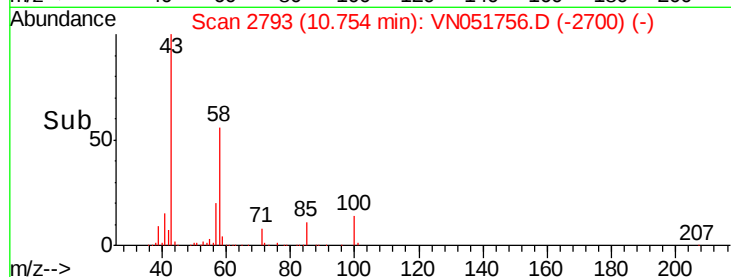
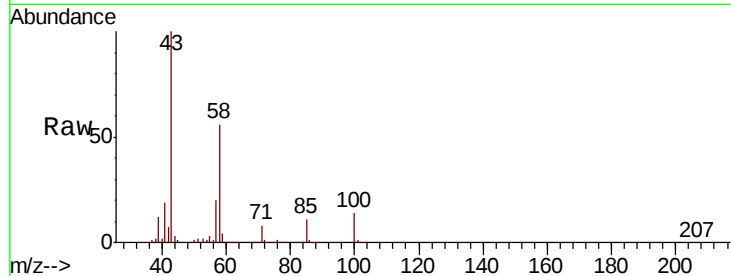
#59
2-Hexanone
Concen: 98.670 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion: 43 Resp: 338983
Ion Ratio Lower Upper
43 100
58 56.7 28.8 86.4

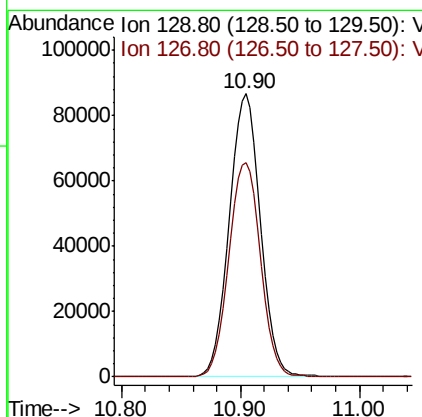
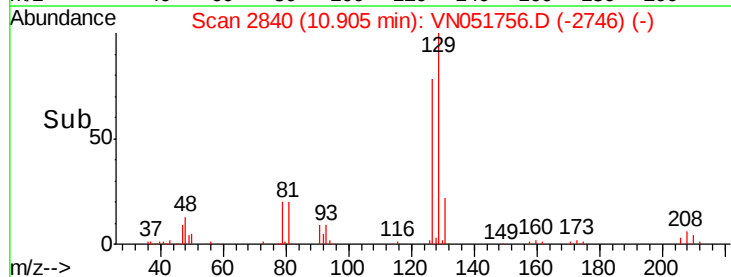
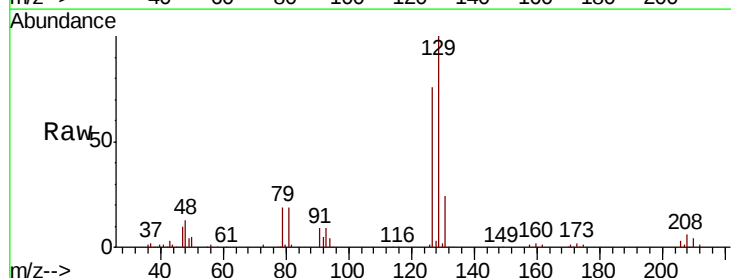
Manual Integrations
APPROVED

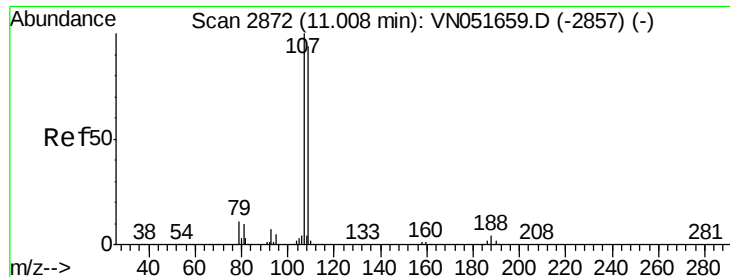
MMDadoda
10/10/2018 10:09:41 AM



#60
Dibromochloromethane
Concen: 18.645 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion: 129 Resp: 157337
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.399 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 107 Resp: 132239

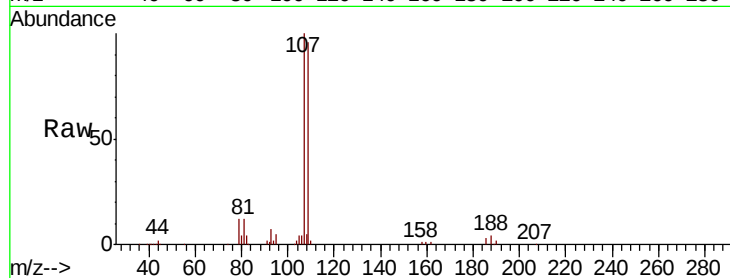
Ion Ratio Lower Upper

107 100

109 96.3 75.4 113.0

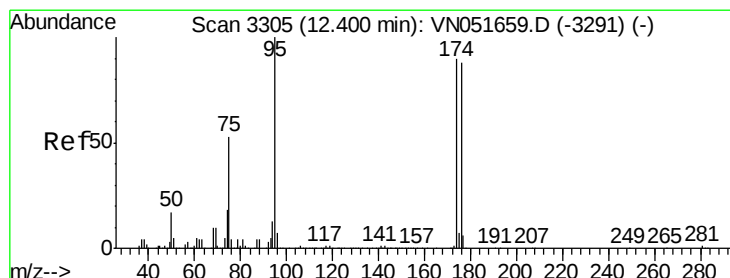
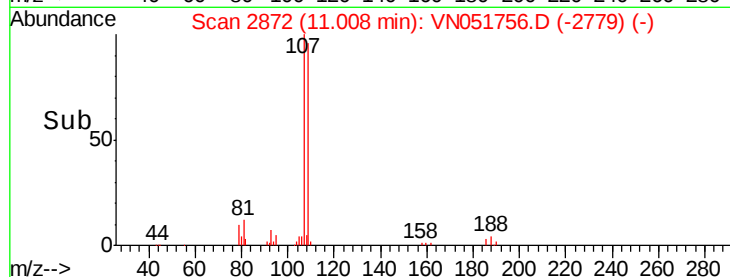
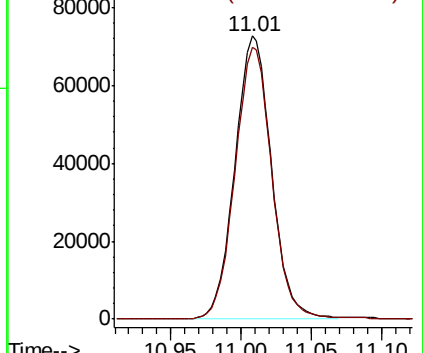
Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.399 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

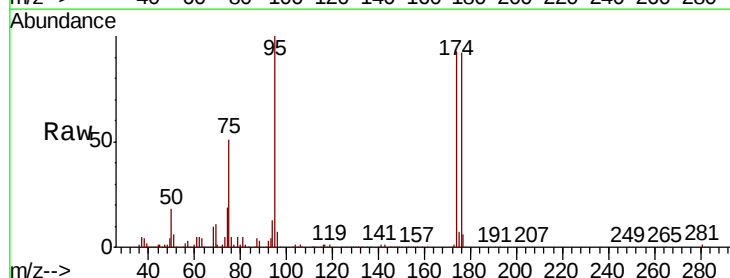
Tgt Ion: 95 Resp: 430774

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.8

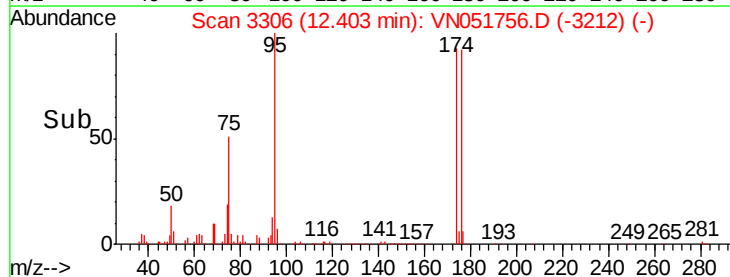
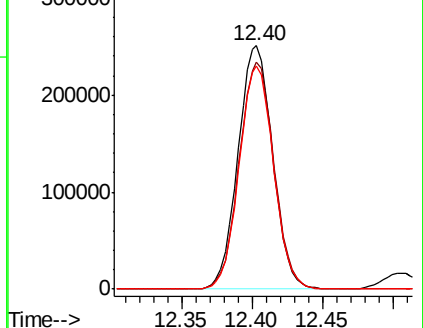
176 91.4 0.0 176.4

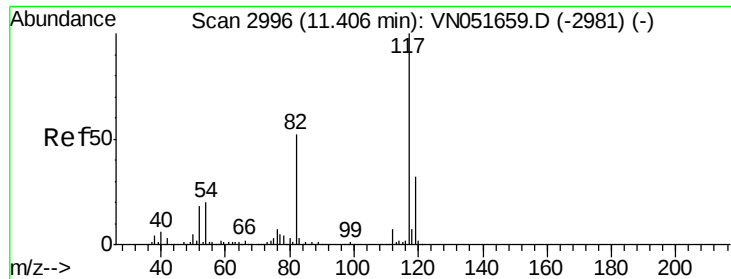


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





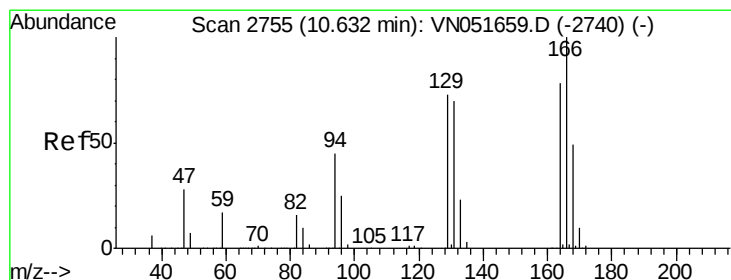
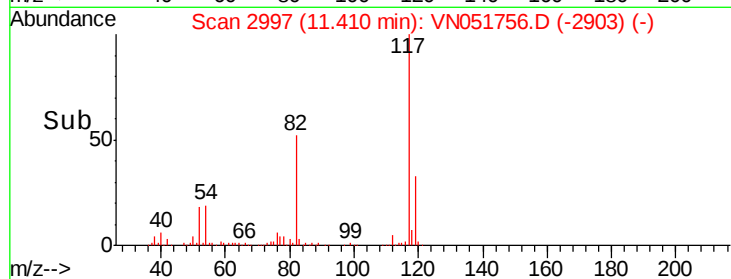
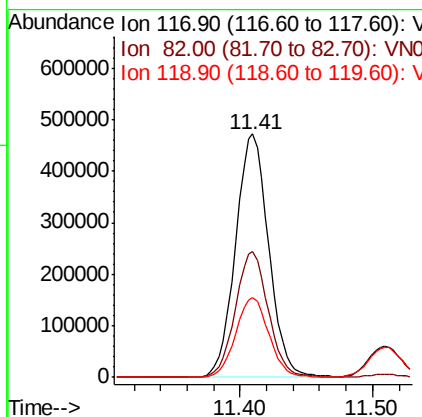
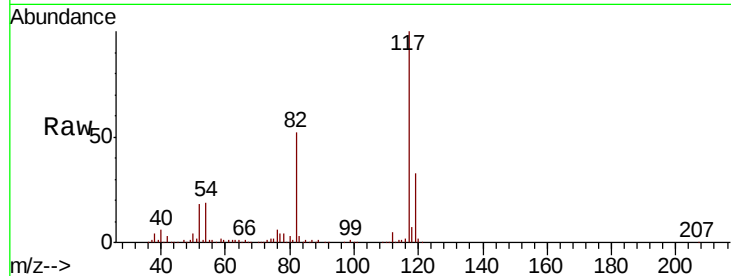
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.3	61.9
119	32.8	25.9	38.9

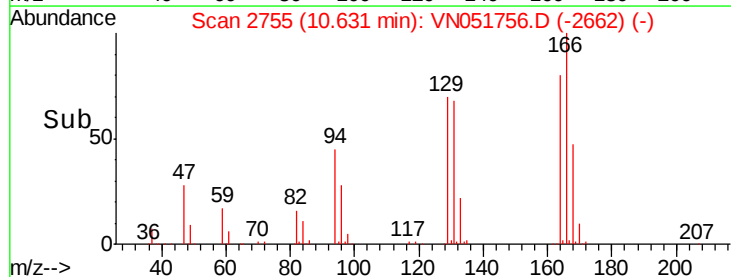
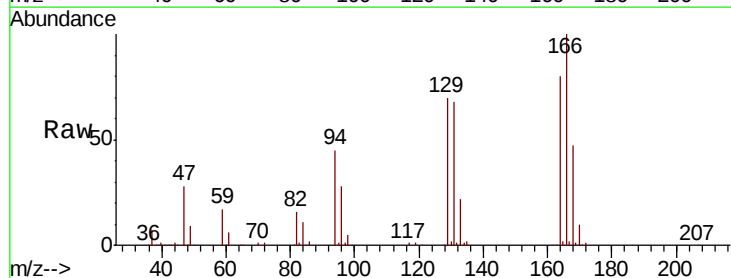
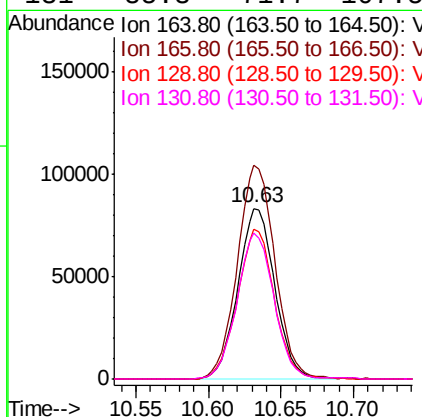
Manual Integrations
APPROVED

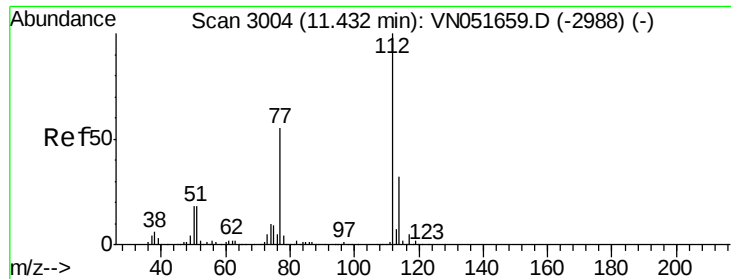
MMDadoda
10/10/2018 10:09:41 AM



#64
Tetrachloroethene
Concen: 20.407 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.0	154.6
129	87.3	75.2	112.8
131	85.3	71.7	107.5





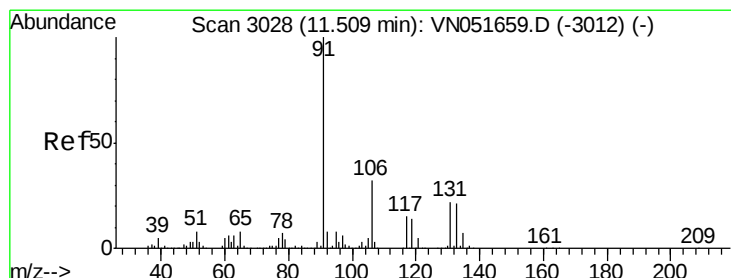
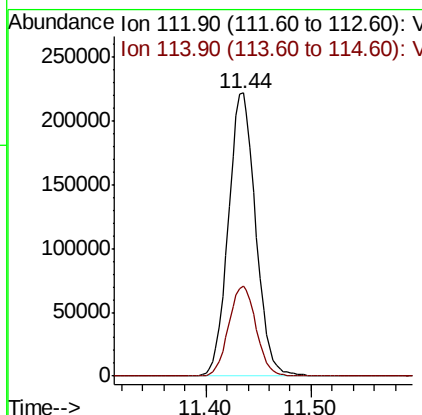
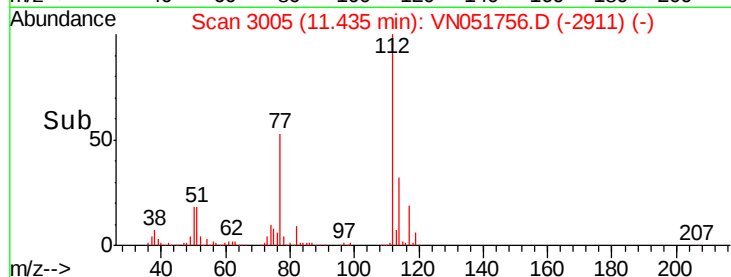
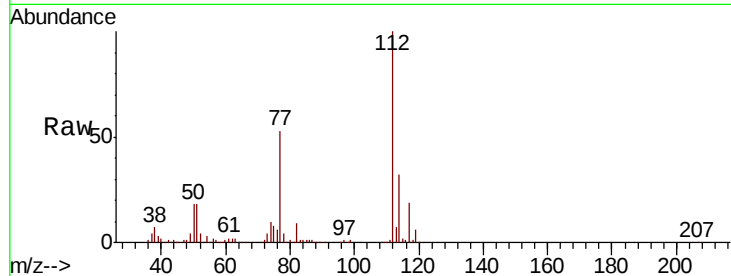
#65
Chlorobenzene
Concen: 19.486 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9

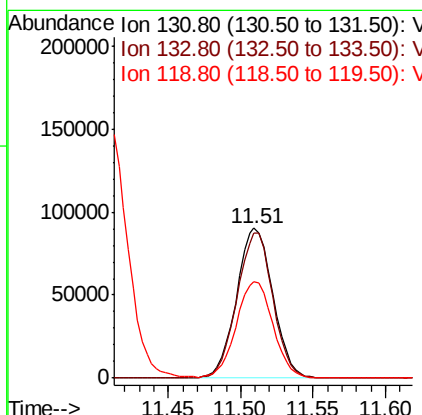
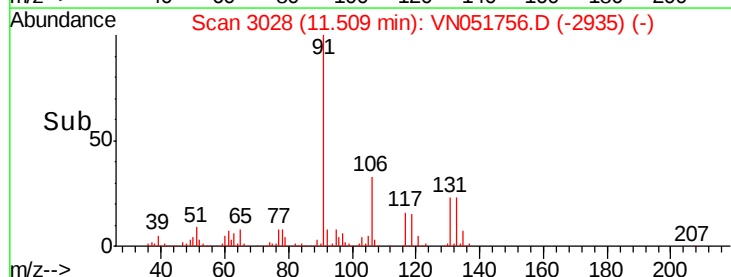
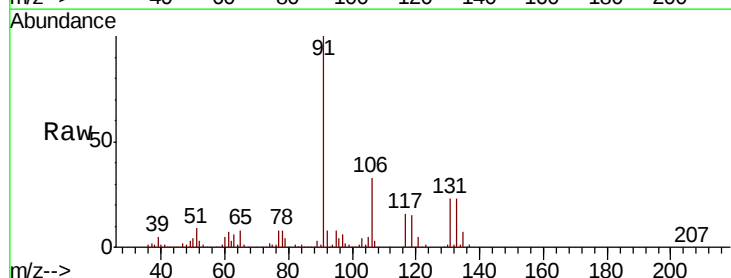
Manual Integrations
APPROVED

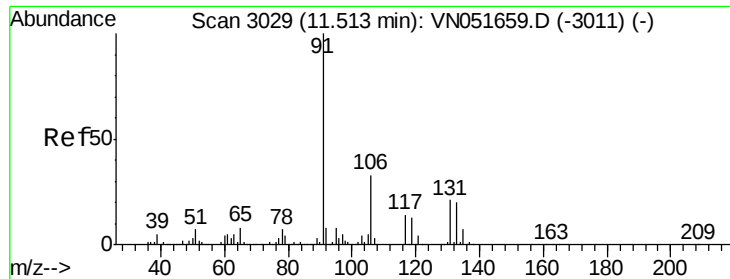
MMDadoda
10/10/2018 10:09:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.403 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.8
119	64.5	32.0	96.0





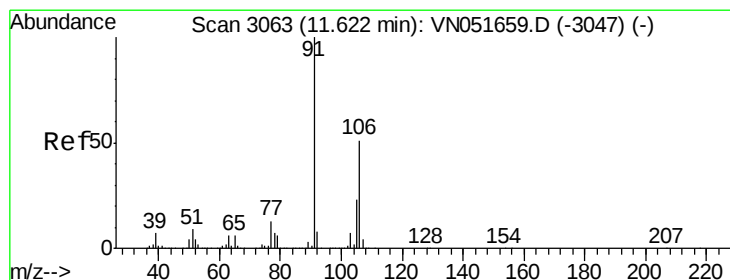
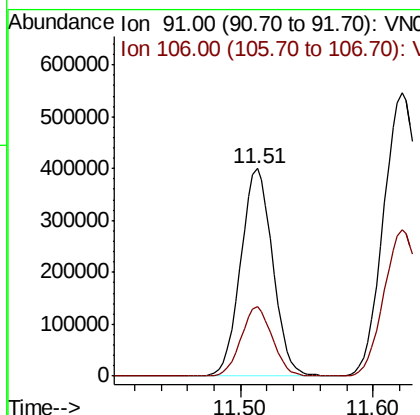
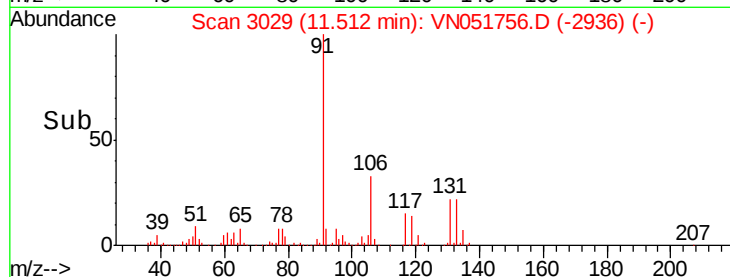
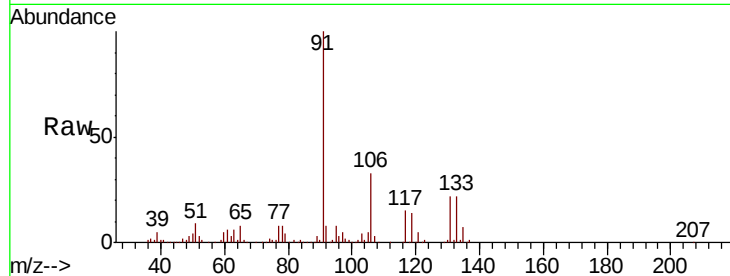
#67
Ethyl Benzene
Concen: 19.087 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion: 91 Resp: 669611
Ion Ratio Lower Upper
91 100
106 33.4 26.0 39.0

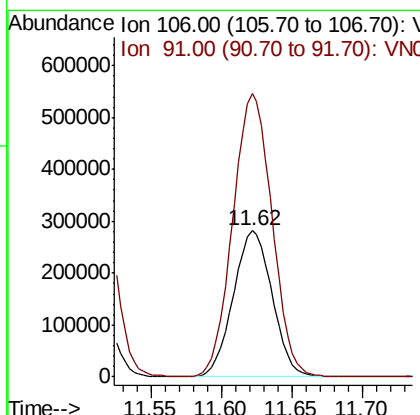
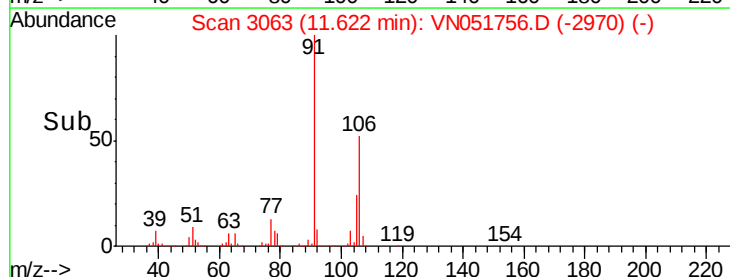
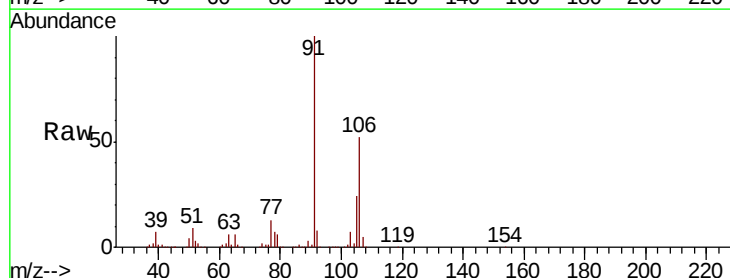
Manual Integrations
APPROVED

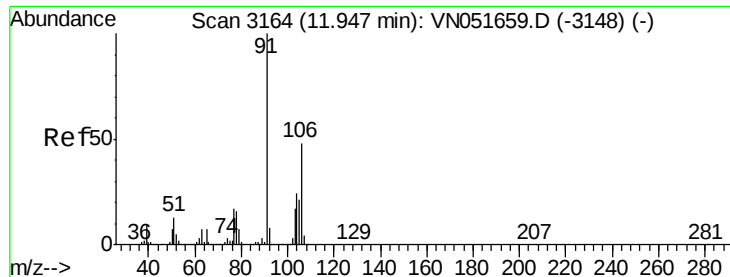
MMDadoda
10/10/2018 10:09:41 AM



#68
m/p-Xylenes
Concen: 38.690 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion: 106 Resp: 543076
Ion Ratio Lower Upper
106 100
91 195.7 158.4 237.6





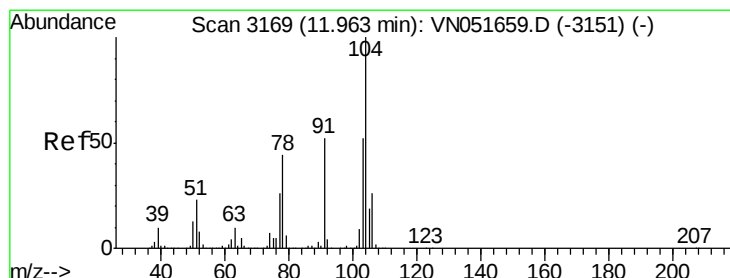
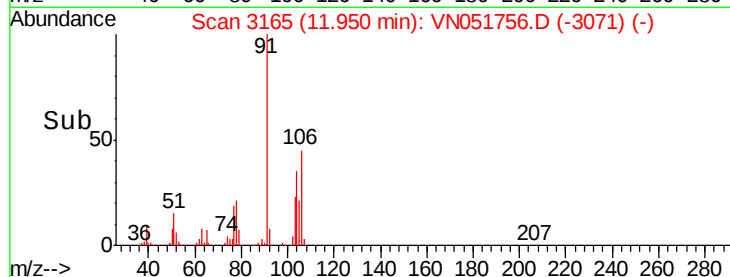
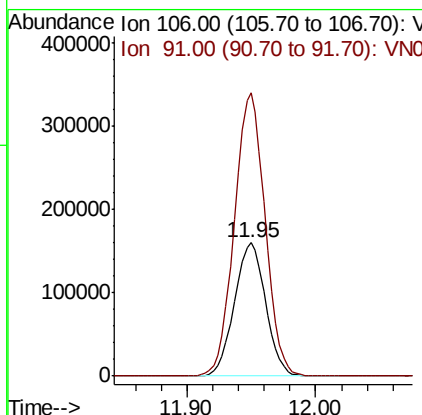
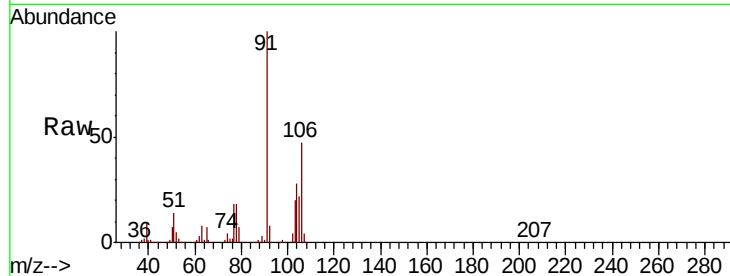
#69
o-Xylene
Concen: 19.399 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ion	Ratio	Lower	Upper
267041	106	100		
	91	210.0	104.4	313.2

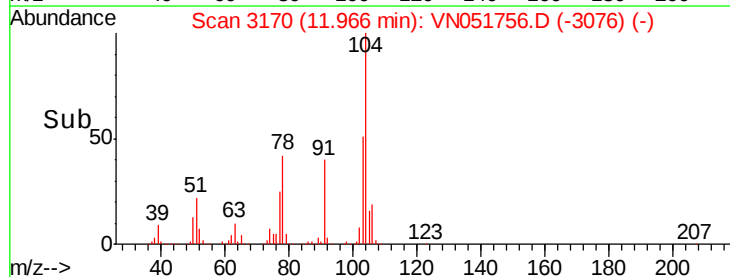
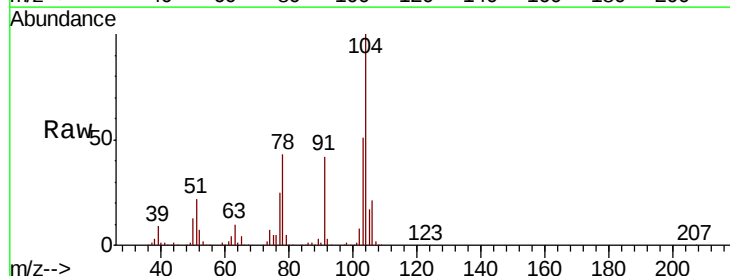
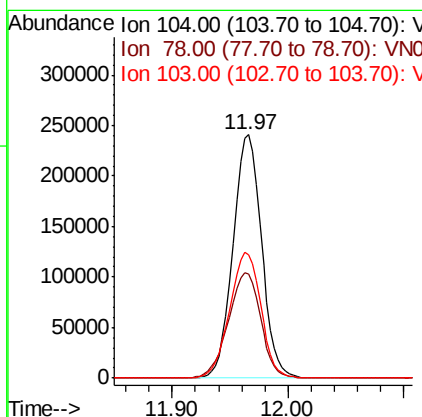
Manual Integrations
APPROVED

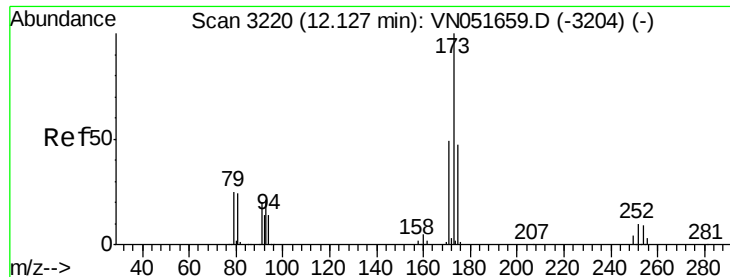
MMDadoda
10/10/2018 10:09:41 AM



#70
Styrene
Concen: 18.683 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ion	Ratio	Lower	Upper
409807	104	100		
	78	49.0	39.3	58.9
	103	56.5	45.0	67.6





#71

Bromoform

Concen: 17.352 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

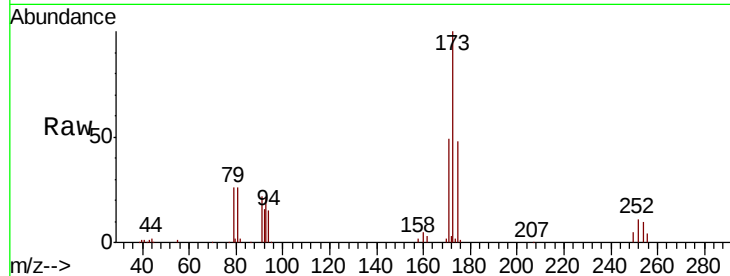
ClientSampleId :

VN1009WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

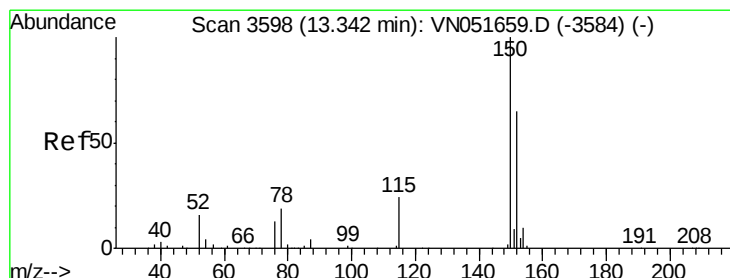
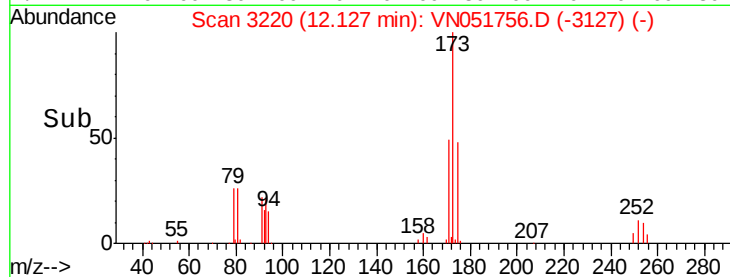
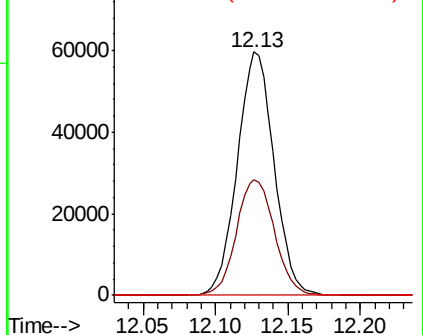


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

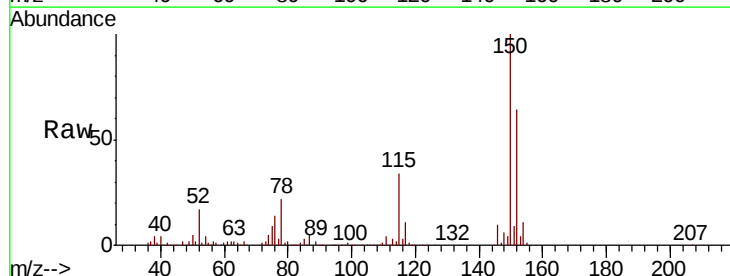
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.6	85.8
150	161.9	0.0	352.4

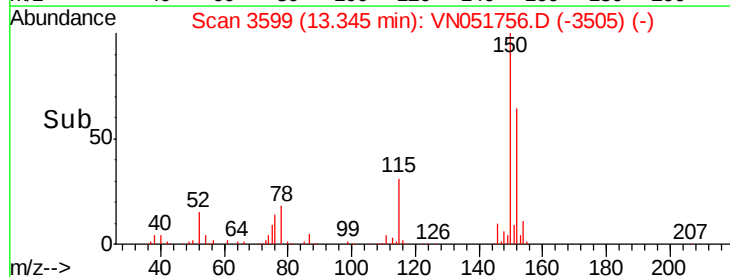
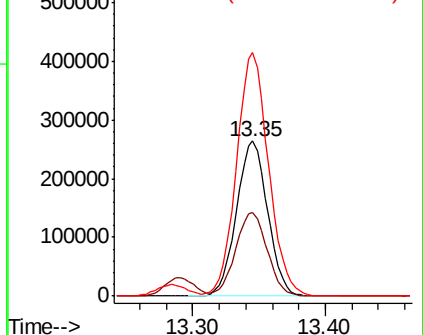


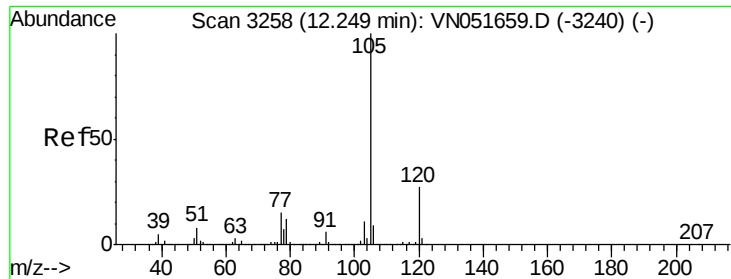
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





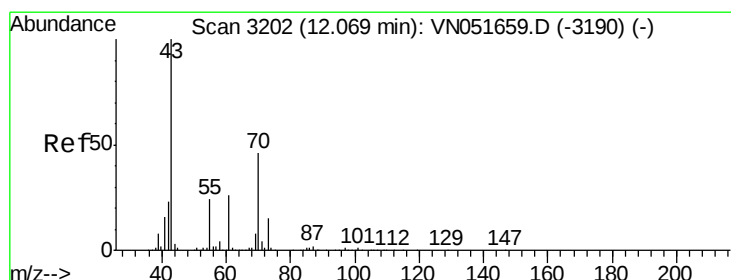
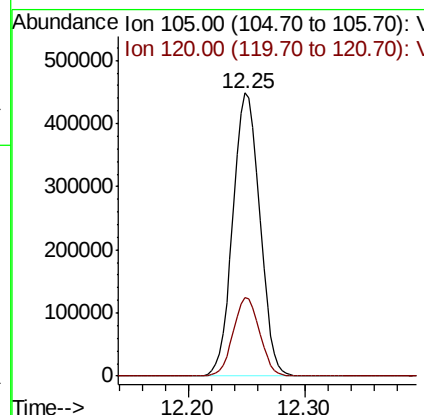
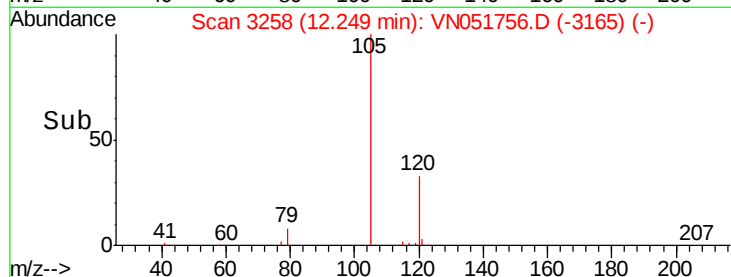
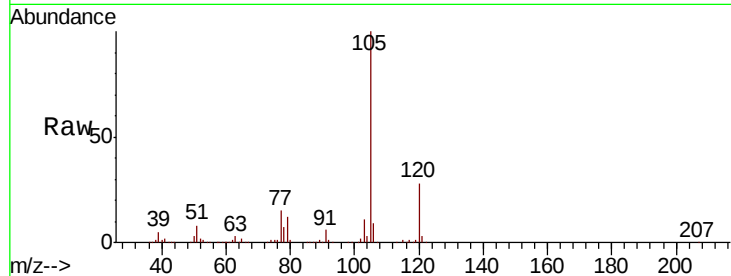
#73
Isopropylbenzene
Concen: 19.678 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.6

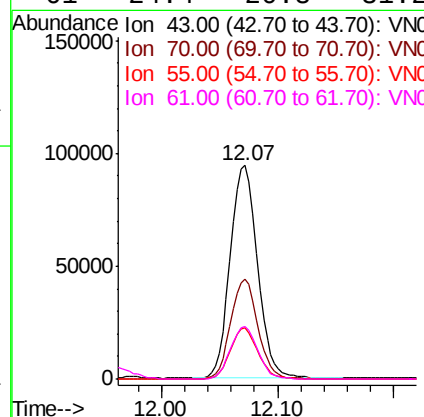
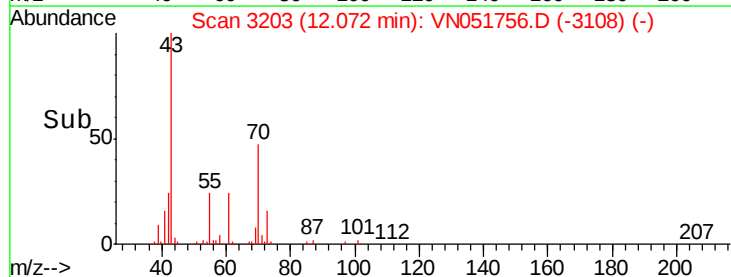
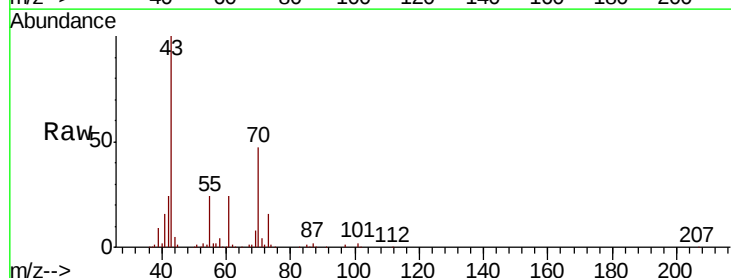
Manual Integrations
APPROVED

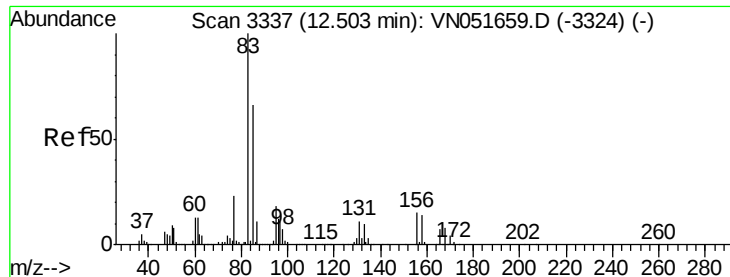
MMDadoda
10/10/2018 10:09:41 AM



#74
N-ethyl acetate
Concen: 18.236 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.6	37.1	55.7
55	24.0	19.1	28.7
61	24.4	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.489 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

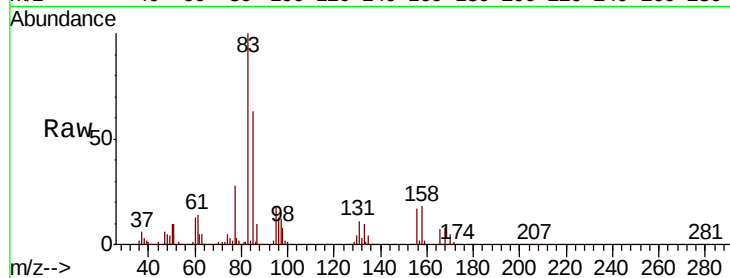
ClientSampleId :

VN1009WBS02

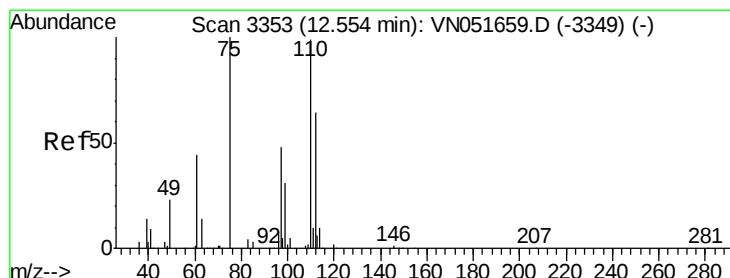
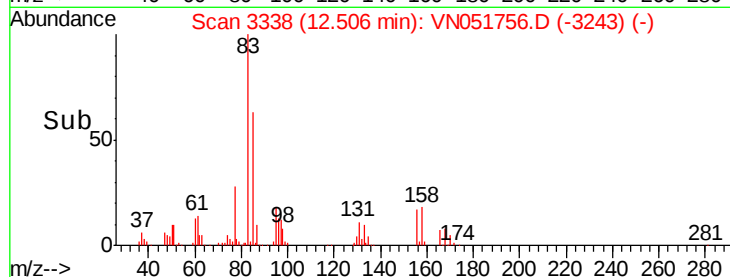
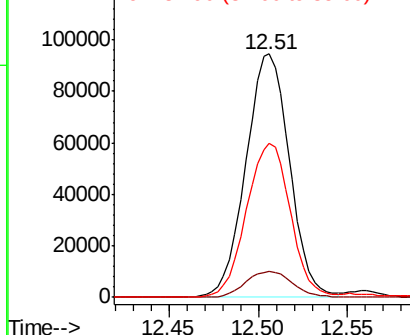
Tot Ion:	83	Resp:	161817
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	63.5	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.352 ug/l m

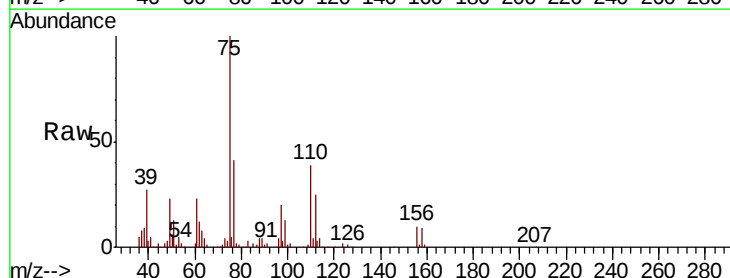
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

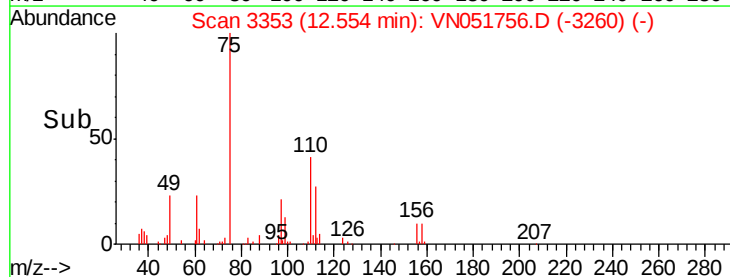
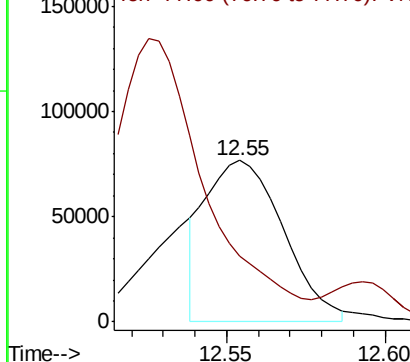
Lab File: VN051756.D

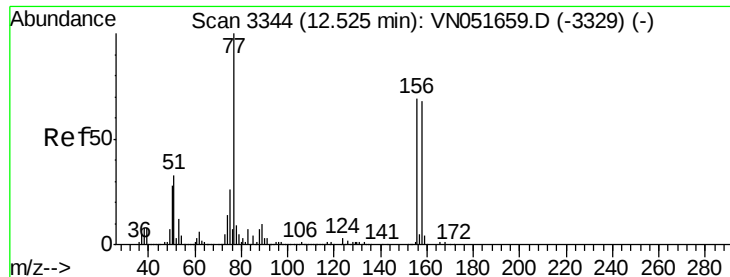
Acq: 9 Oct 2018 18:32

Tgt Ion:	75	Resp:	131519
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.342 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion:156 Resp: 173318

Ion Ratio Lower Upper

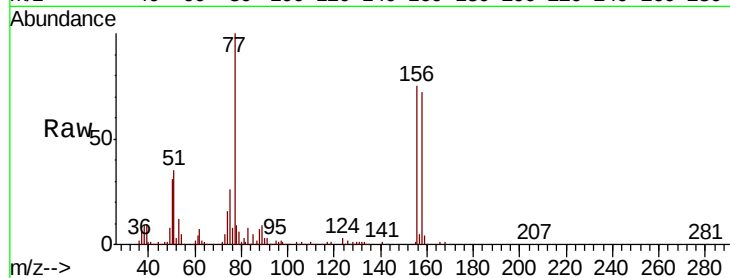
156 100

77 160.7 83.2 249.4

158 96.9 49.0 147.2

Manual Integrations
APPROVED

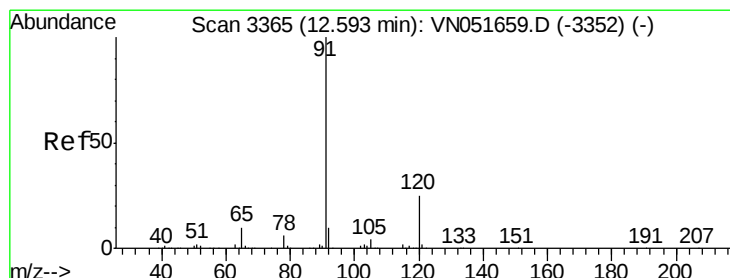
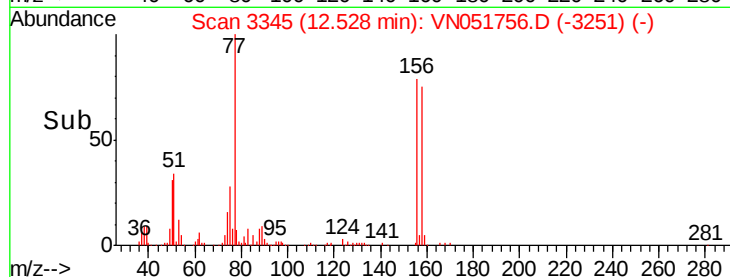
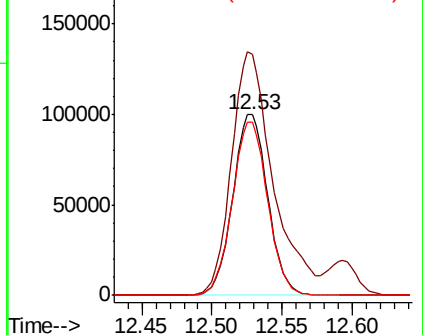
MMDadoda
10/10/2018 10:09:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.059 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051756.D

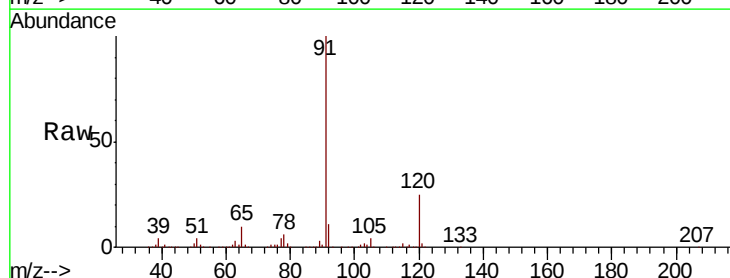
Acq: 9 Oct 2018 18:32

Tgt Ion: 91 Resp: 761809

Ion Ratio Lower Upper

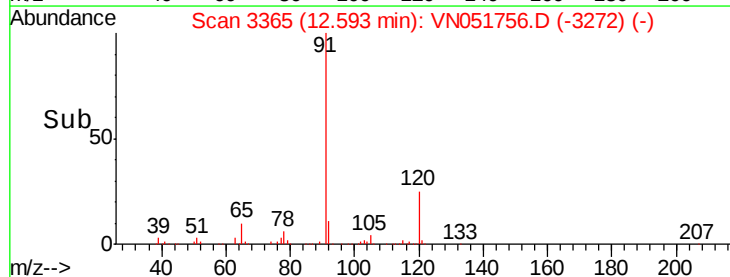
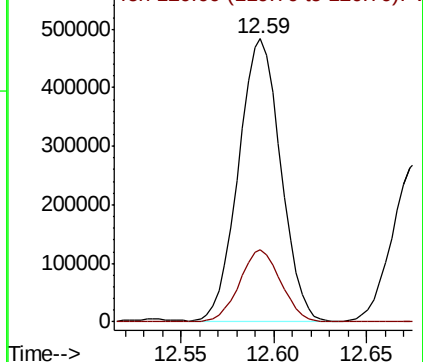
91 100

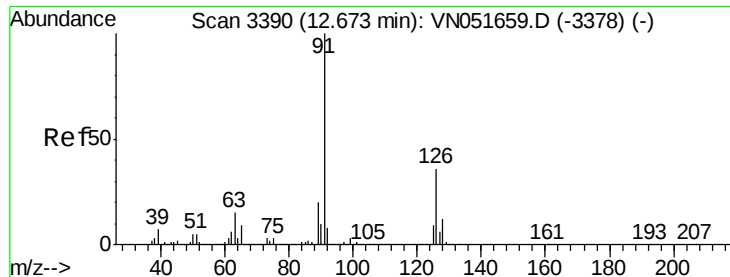
120 25.0 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.049 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 91 Resp: 448743

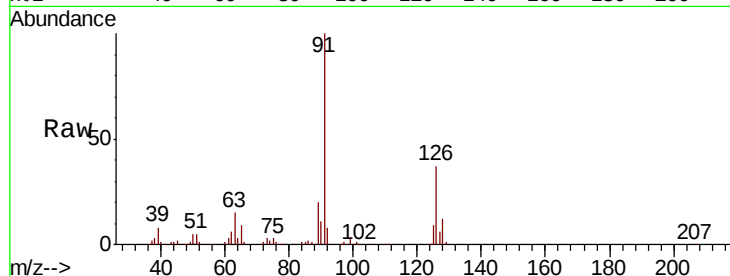
Ion Ratio Lower Upper

91 100

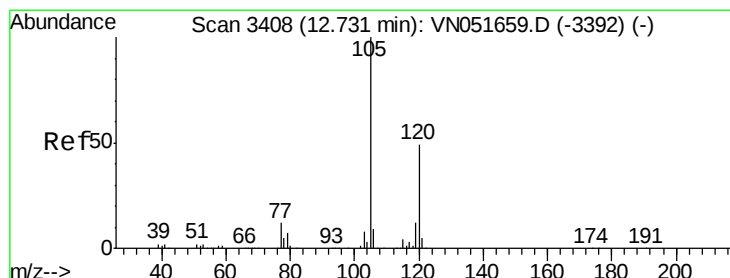
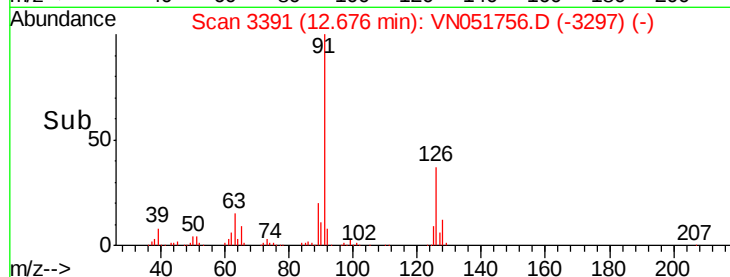
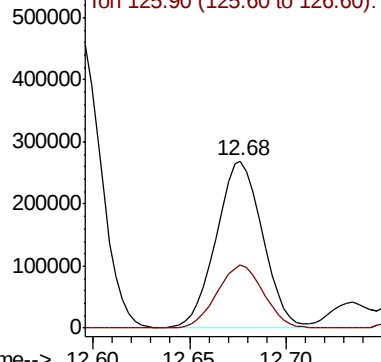
126 38.1 18.5 55.5

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.276 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051756.D

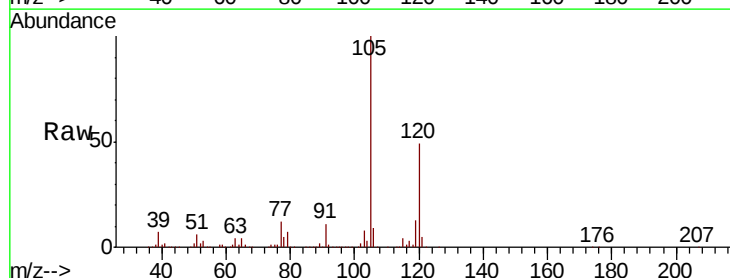
Acq: 9 Oct 2018 18:32

Tgt Ion: 105 Resp: 595300

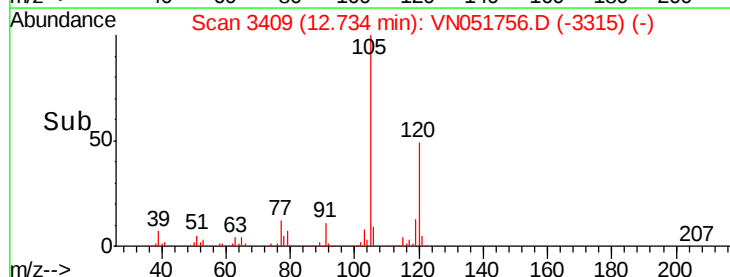
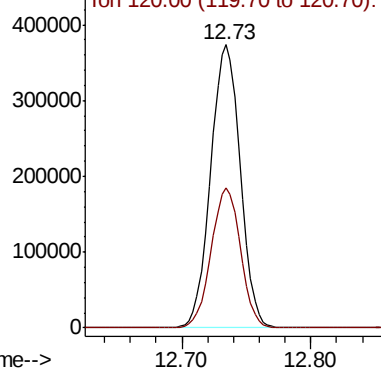
Ion Ratio Lower Upper

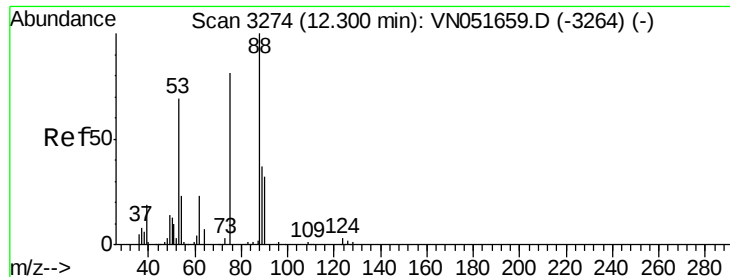
105 100

120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.056 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS02

Tot Ion: 75 Resp: 39888

Ion Ratio Lower Upper

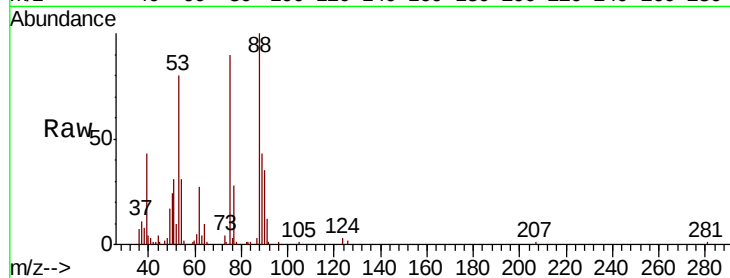
75 100

53 90.7 68.6 102.8

89 48.8 39.4 59.2

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

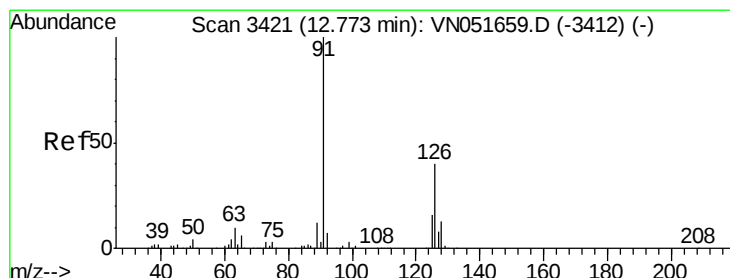
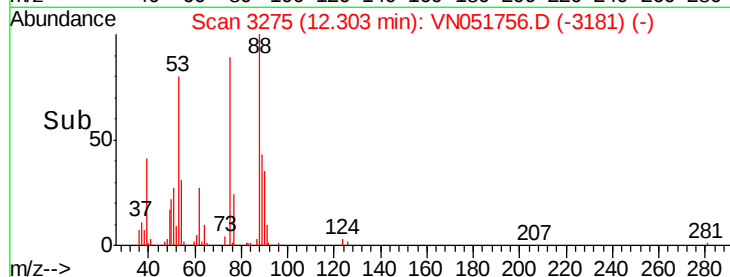
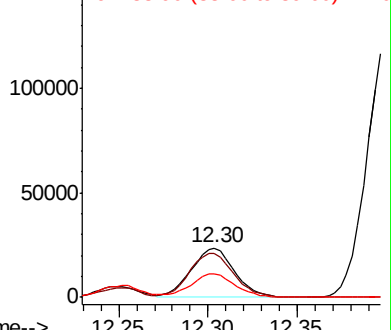


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.952 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051756.D

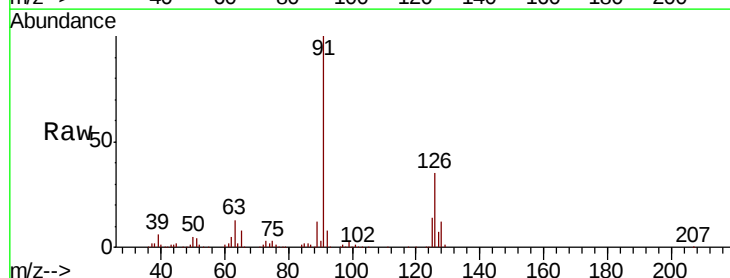
Acq: 9 Oct 2018 18:32

Tgt Ion: 91 Resp: 448506

Ion Ratio Lower Upper

91 100

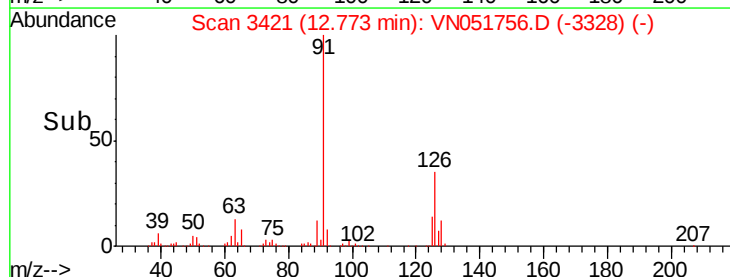
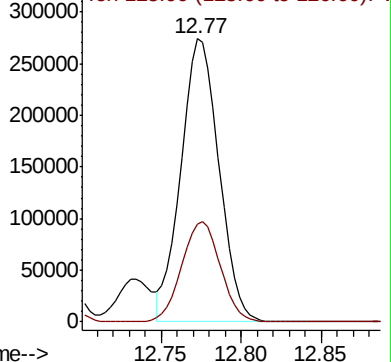
126 35.8 18.0 54.0

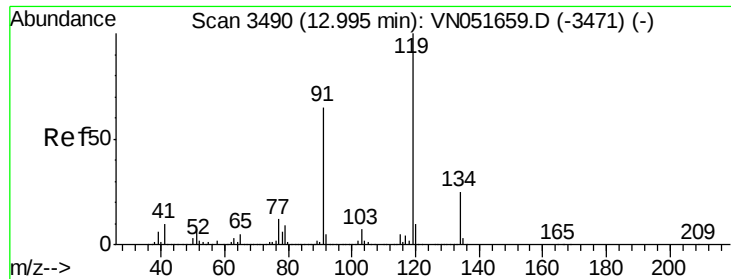


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





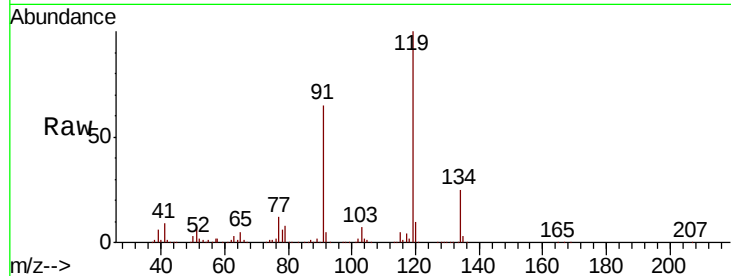
#83
tert-Butylbenzene
Concen: 19.882 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

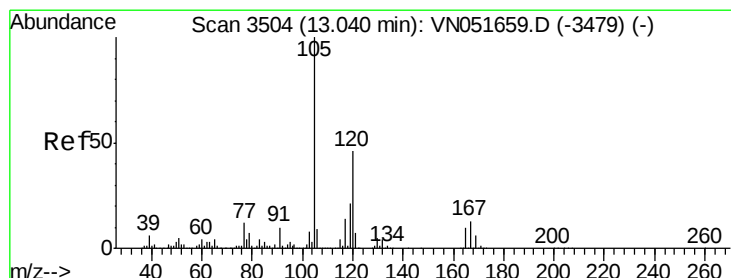
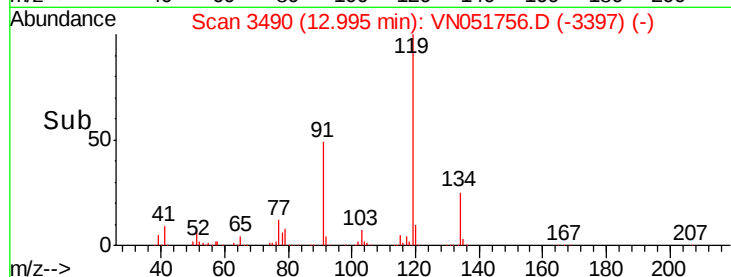
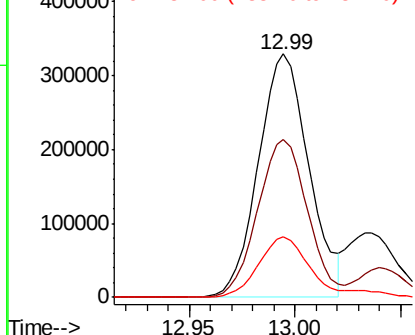
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.1	96.5
134	24.5	13.3	39.9

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM

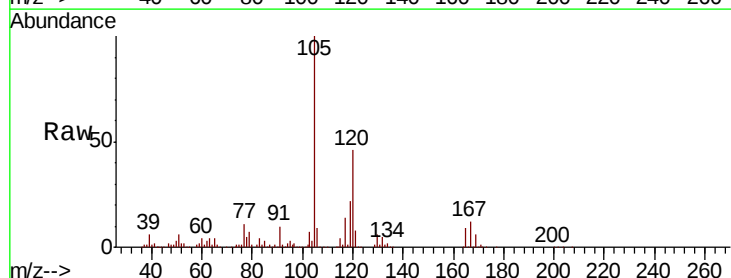


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

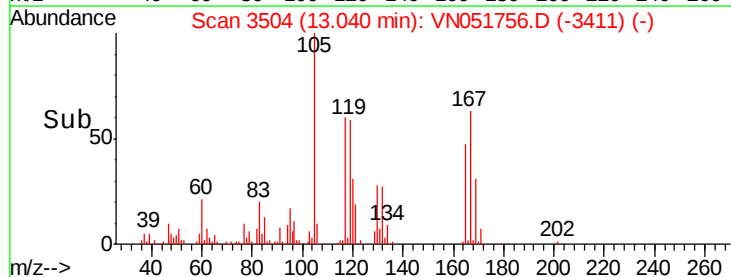
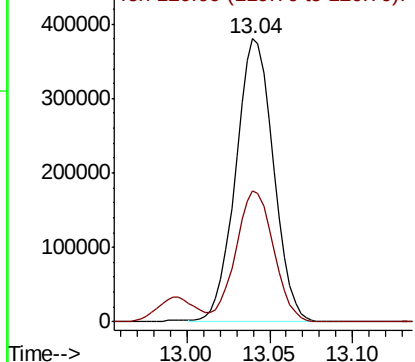


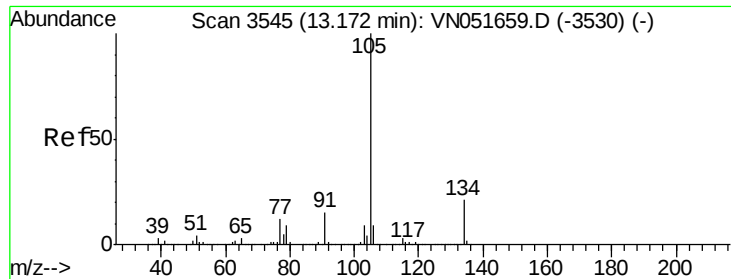
#84
1,2,4-Trimethylbenzene
Concen: 19.415 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





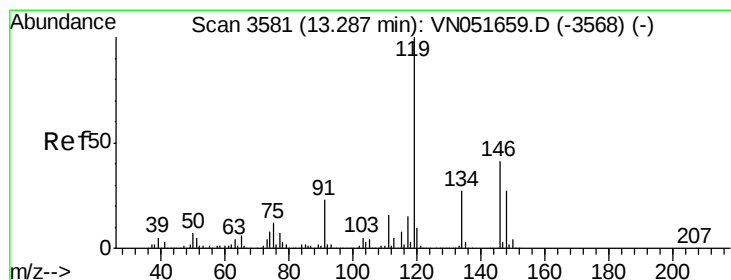
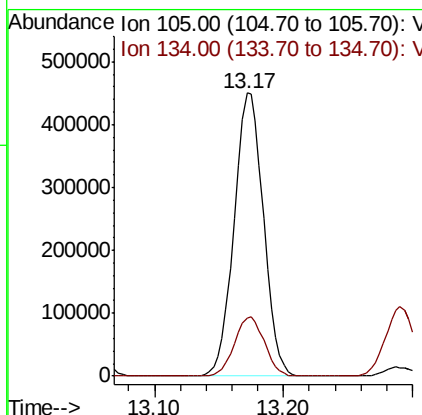
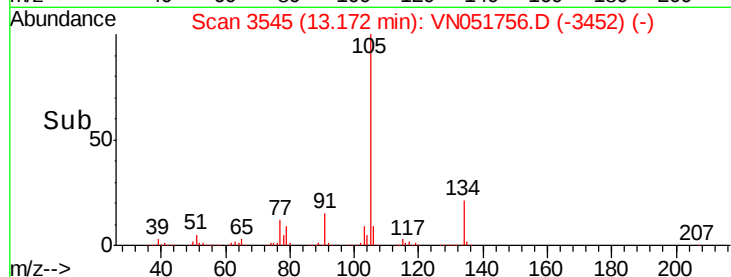
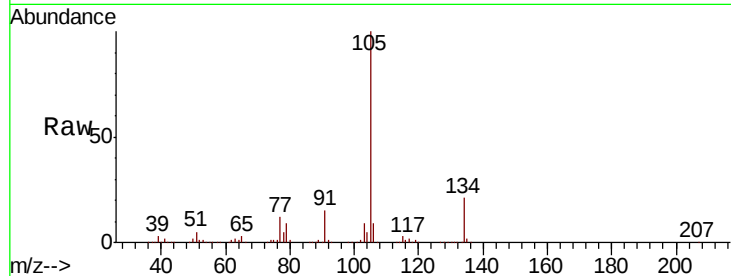
#85
 sec-Butylbenzene
 Concen: 19.418 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.5	31.6

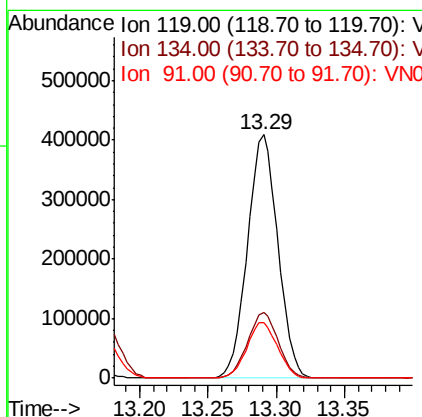
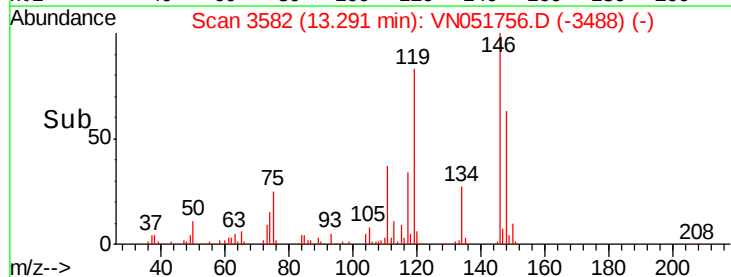
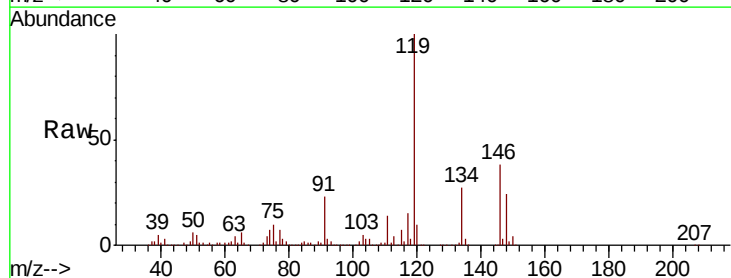
Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:41 AM



#86
 p-Isopropyltoluene
 Concen: 19.439 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.4	40.2
91	23.1	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 19.630 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051756.D

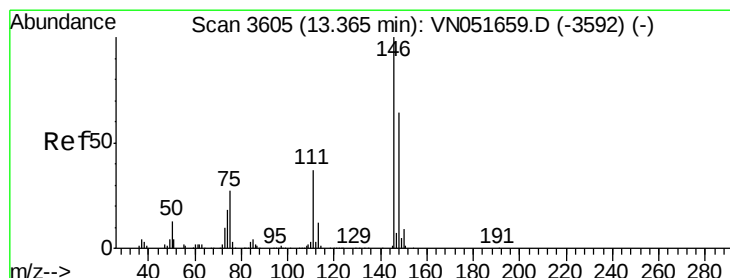
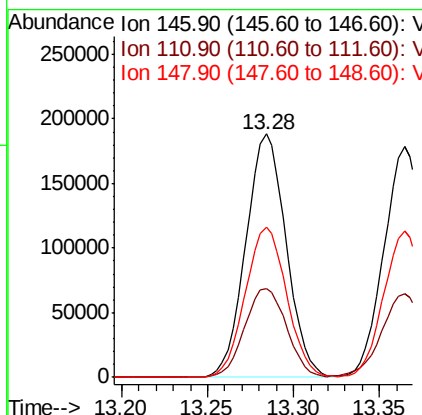
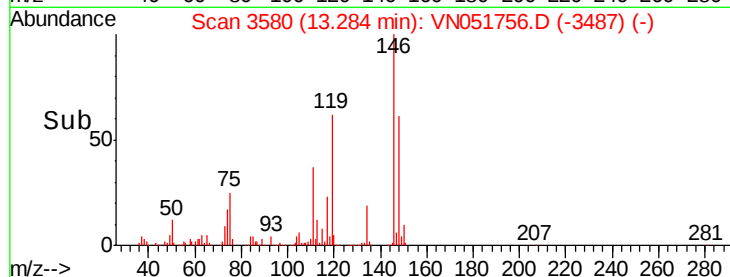
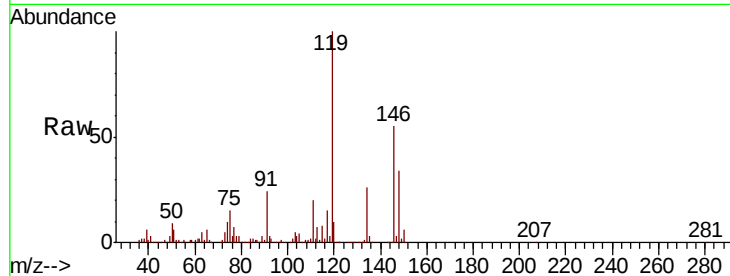
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	306495		
111	38.0	19.3	57.9	
148	63.4	32.5	97.5	

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#88

1,4-Dichlorobenzene

Concen: 19.201 ug/l

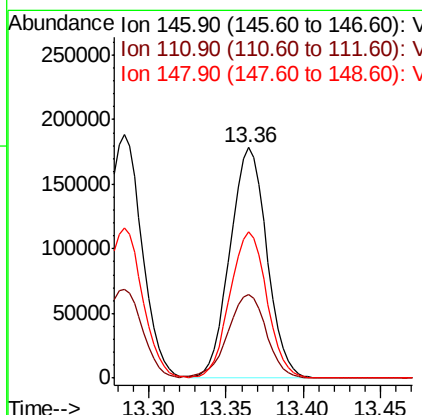
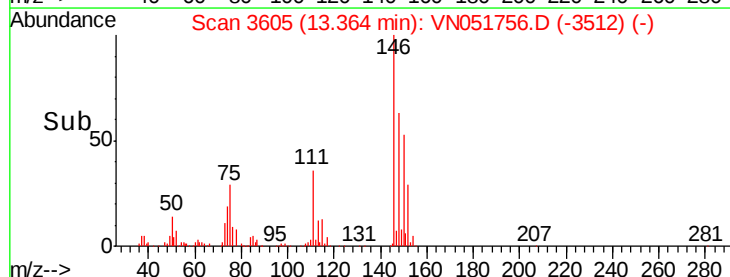
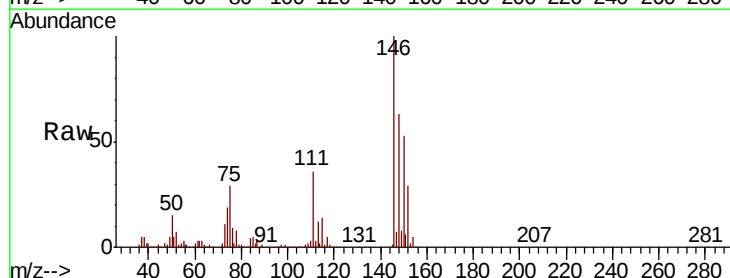
RT: 13.36 min Scan# 3605

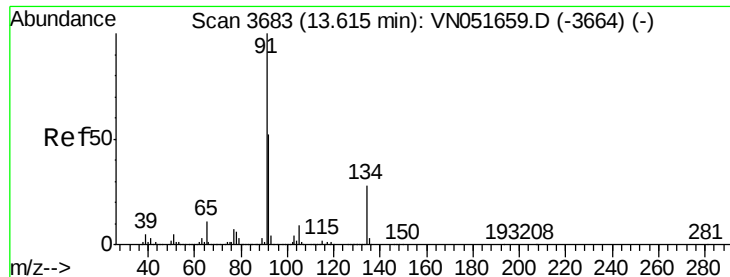
Delta R.T. -0.00 min

Lab File: VN051756.D

Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295093		
111	37.8	18.6	55.8	
148	63.5	32.3	96.8	





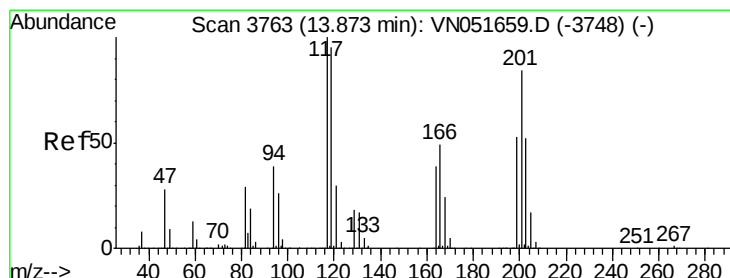
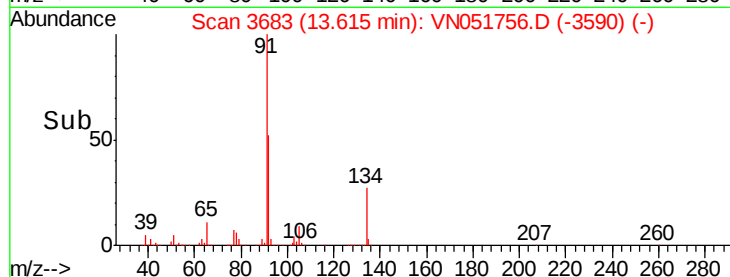
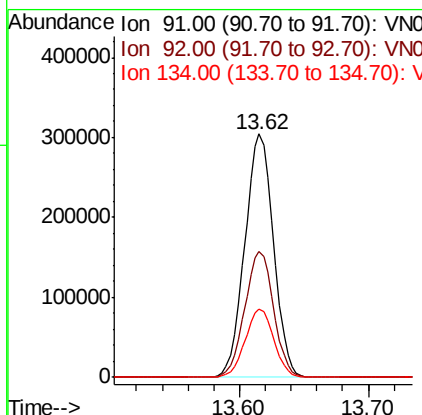
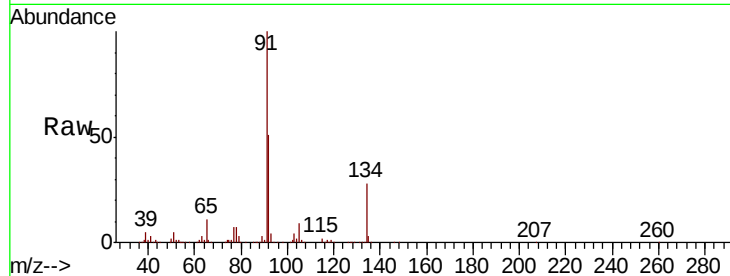
#89
n-Butylbenzene
Concen: 18.395 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.9	14.2	42.6

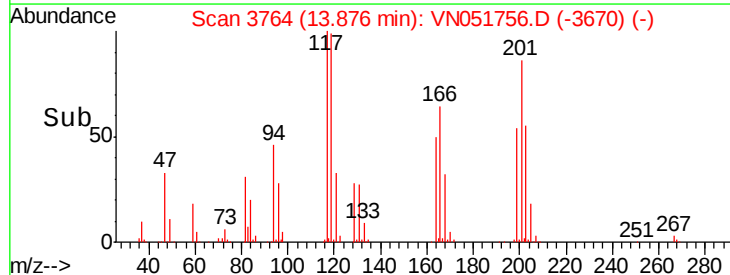
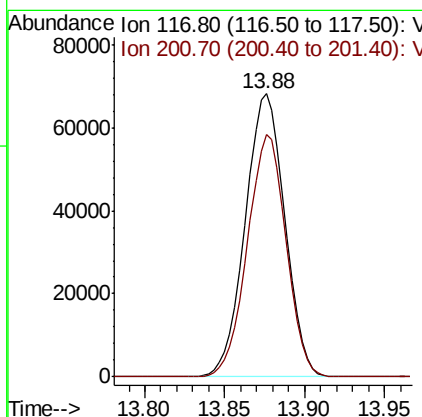
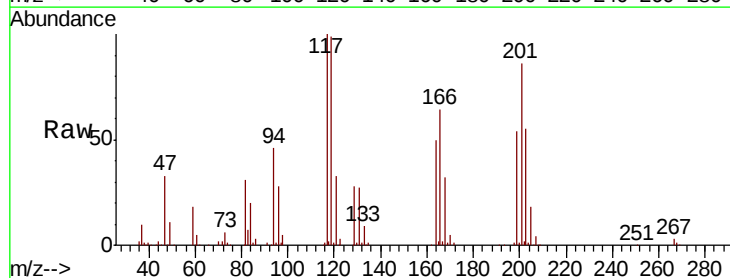
Manual Integrations
APPROVED

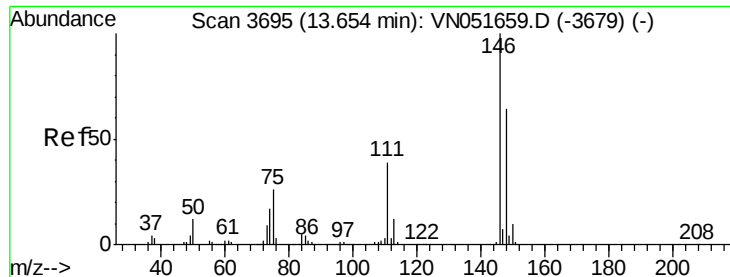
MMDadoda
10/10/2018 10:09:41 AM



#90
Hexachloroethane
Concen: 17.810 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.4	127.3





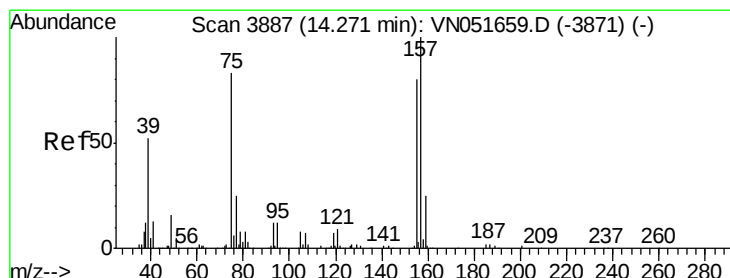
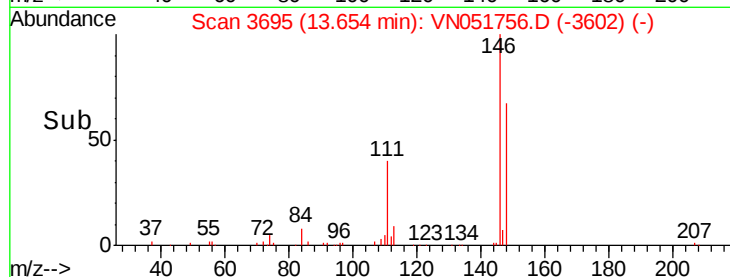
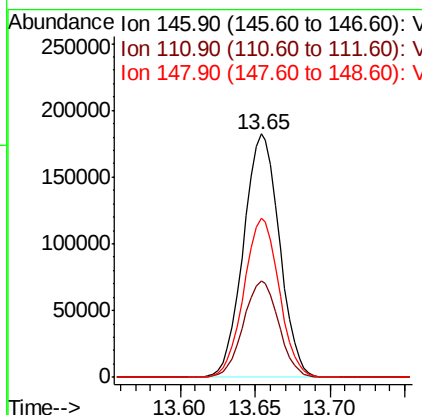
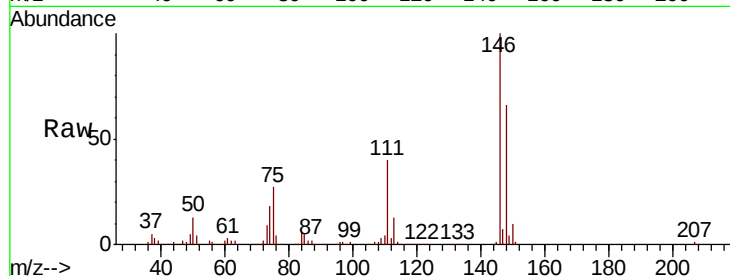
#91
 1,2-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.1	32.1	96.3

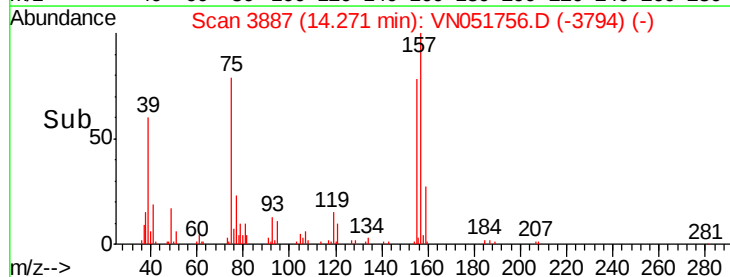
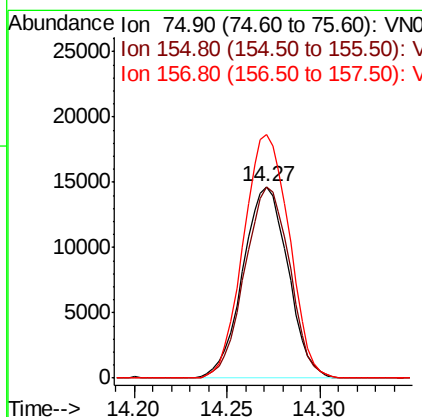
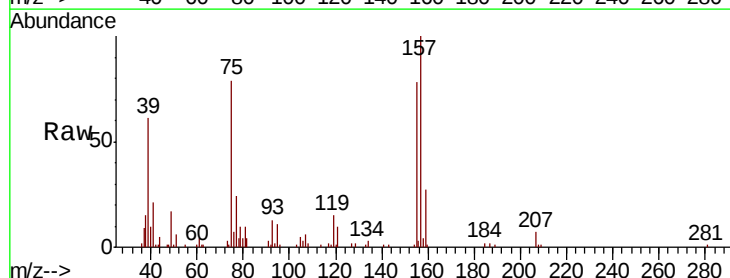
Manual Integrations
 APPROVED

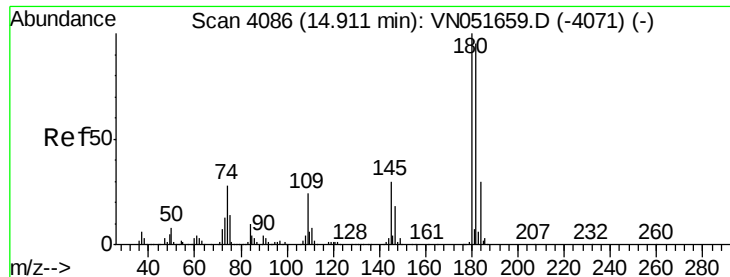
MMDadoda
 10/10/2018 10:09:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.362 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	47.6	142.9
157	128.4	61.7	185.1





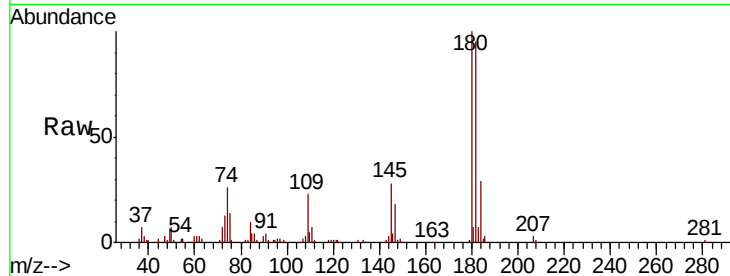
#93
 1,2,4-Trichlorobenzene
 Concen: 17.548 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.7	143.1
145	29.1	15.3	45.9

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:41 AM

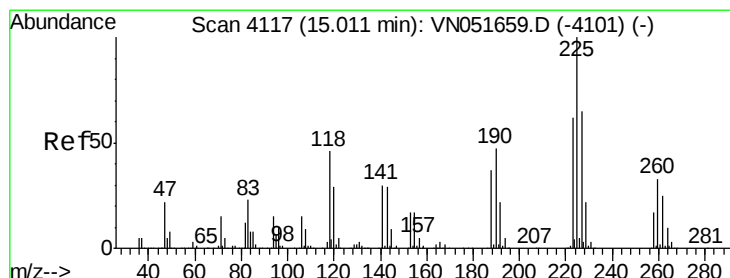
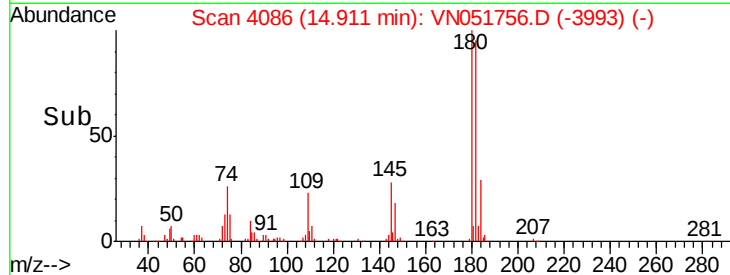
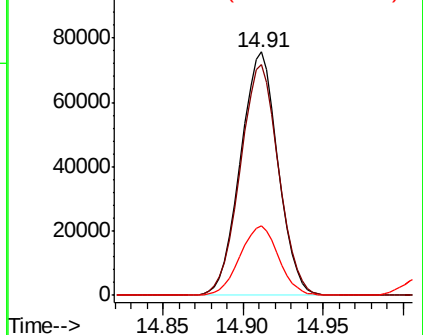


Abundance

Ion 179.80 (179.50 to 180.50): V

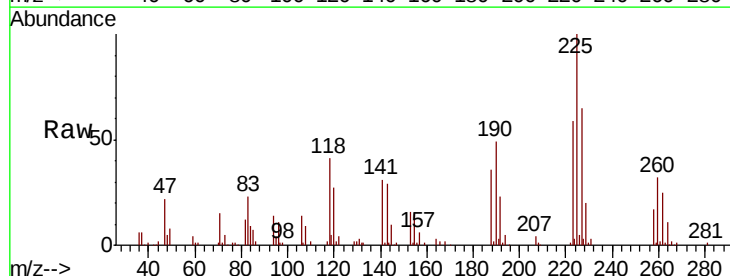
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.033 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051756.D
 Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.9	95.5
227	65.5	31.7	95.1

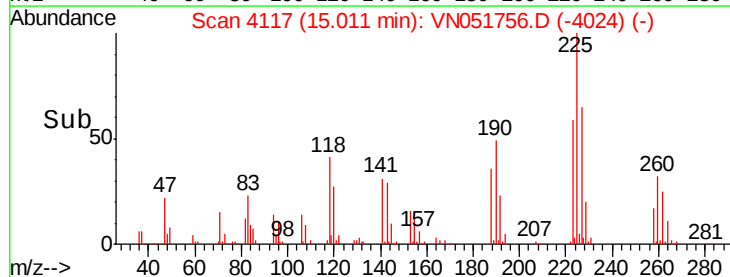
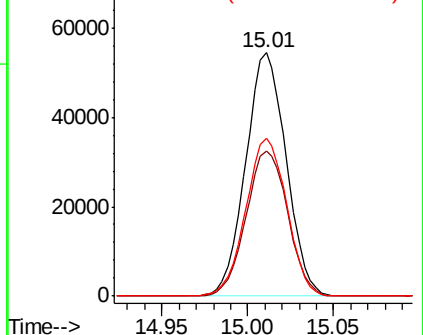


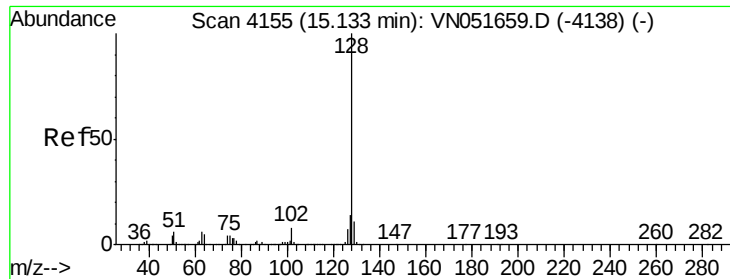
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





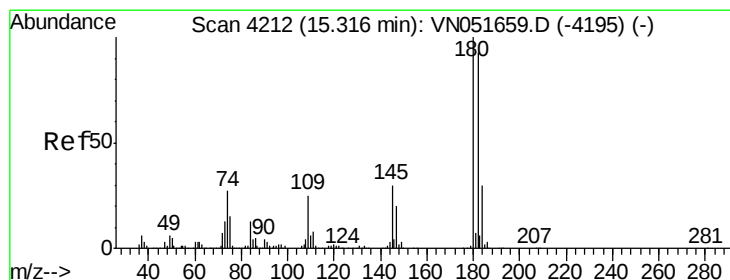
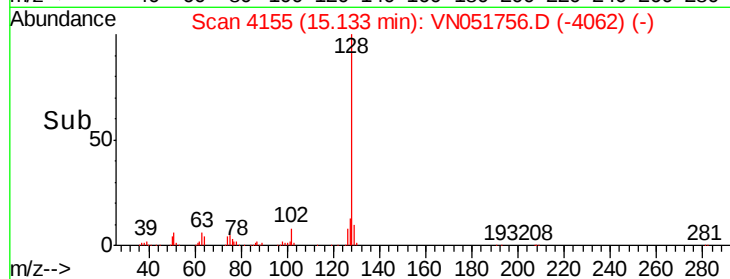
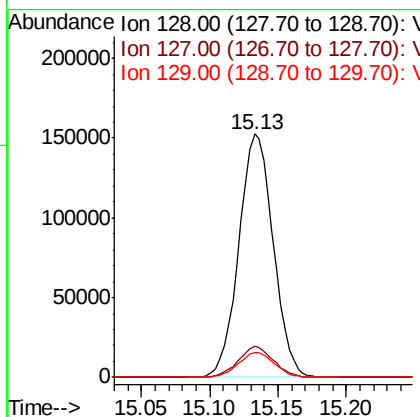
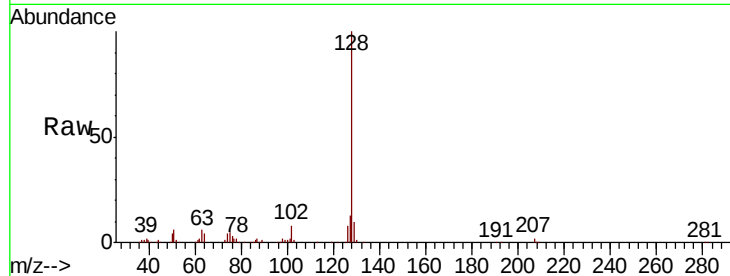
#95
Naphthalene
Concen: 17.922 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	267312		
127	12.9	10.6	15.8	
129	10.7	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:09:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.184 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051756.D
Acq: 9 Oct 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130493		
182	96.4	47.3	141.8	
145	29.5	15.6	46.8	

