

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051783.D
 Acq On : 10 Oct 2018 12:01
 Operator : MD\SY
 Sample : VN1010MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:15 PM

Quant Time: Oct 11 02:20:55 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	598844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	894759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396698	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	362481	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.09	98	1296548	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	429183	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140996	19.543	ug/l	99
3) Chloromethane	2.06	50	123834	18.120	ug/l	99
4) Vinyl Chloride	2.18	62	178770	16.606	ug/l	100
5) Bromomethane	2.56	94	163192	19.712	ug/l	98
6) Chloroethane	2.70	64	124065	17.147	ug/l	99
7) Trichlorofluoromethane	3.01	101	302019	26.307	ug/l	100
8) Diethyl Ether	3.41	74	64345	20.511	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	119387	19.953	ug/l	98
10) Methyl Iodide	3.95	142	148630	20.247	ug/l	99
11) Tert butyl alcohol	4.80	59	59101	109.926	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	108232	19.407	ug/l	95
13) Acrolein	3.61	56	22315	56.589	ug/l	99
14) Allyl chloride	4.32	41	142563	16.761	ug/l	96
15) Acrylonitrile	5.00	53	198633	107.063	ug/l	97
16) Acetone	3.82	43	139164	93.205	ug/l	98
17) Carbon Disulfide	4.05	76	274855	16.214	ug/l	100
18) Methyl Acetate	4.33	43	104674	23.972	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	378572	20.566	ug/l	99
20) Methylene Chloride	4.55	84	132802	20.404	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	128502	19.445	ug/l	93
22) Diisopropyl ether	5.96	45	327929	17.985	ug/l	97
23) Vinyl Acetate	5.90	43	1204541	89.848	ug/l	96
24) 1,1-Dichloroethane	5.85	63	217142	18.517	ug/l	98
25) 2-Butanone	6.84	43	220752	96.634	ug/l	99
26) 2,2-Dichloropropane	6.83	77	205253	17.467	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	155386	20.254	ug/l	92
28) Bromochloromethane	7.20	49	95004	18.300	ug/l	84
29) Tetrahydrofuran	7.22	42	140715	100.377	ug/l	89
30) Chloroform	7.37	83	255103	19.362	ug/l	98
31) Cyclohexane	7.66	56	177898	16.565	ug/l #	87
32) 1,1,1-Trichloroethane	7.57	97	235849	18.468	ug/l	98
36) 1,1-Dichloropropene	7.80	75	171607	18.349	ug/l	97
37) Ethyl Acetate	6.93	43	96609	19.806	ug/l	97
38) Carbon Tetrachloride	7.78	117	205984	18.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	217228	18.503	ug/l	96
40) Benzene	8.04	78	532563	19.209	ug/l	98
41) Methacrylonitrile	7.18	41	55432	21.888	ug/l	93
42) 1,2-Dichloroethane	8.13	62	185758	19.881	ug/l	100
43) Isopropyl Acetate	8.17	43	203522	20.012	ug/l	97
44) Trichloroethene	8.84	130	155700	19.778	ug/l	97
45) 1,2-Dichloropropane	9.12	63	130901	19.096	ug/l	100
46) Dibromomethane	9.21	93	100664	21.128	ug/l	100
47) Bromodichloromethane	9.41	83	198198	18.896	ug/l	98
48) Methyl methacrylate	9.20	41	92198	19.840	ug/l	95
49) 1,4-Dioxane	9.20	88	31539	452.622	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	529269	102.705	ug/l	98
52) Toluene	10.16	92	354922	19.247	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	197956	18.291	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	213148	18.546	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	138147	21.030	ug/l	99
56) Ethyl methacrylate	10.43	69	165237	19.891	ug/l	97
57) 1,3-Dichloropropane	10.71	76	215117	20.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	347098	100.958	ug/l	97
59) 2-Hexanone	10.75	43	346292	98.947	ug/l	100
60) Dibromochloromethane	10.90	129	163549	19.025	ug/l	99
61) 1,2-Dibromoethane	11.01	107	142698	20.549	ug/l	99
64) Tetrachloroethene	10.63	164	150500	20.610	ug/l	98
65) Chlorobenzene	11.43	112	404924	19.753	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	158095	19.261	ug/l	99
67) Ethyl Benzene	11.51	91	684077	19.307	ug/l	99
68) m/p-Xylenes	11.62	106	533033	37.599	ug/l	100
69) o-Xylene	11.95	106	264330	19.012	ug/l	98
70) Styrene	11.96	104	415453	18.753	ug/l	99
71) Bromoform	12.13	173	109044	17.861	ug/l #	98
73) Isopropylbenzene	12.25	105	700410	19.926	ug/l	100
74) N-amyl acetate	12.07	43	151729	18.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	165417	22.112	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	156923m	28.895	ug/l	
77) Bromobenzene	12.53	156	182237	21.203	ug/l	95
78) n-propylbenzene	12.59	91	748679	19.527	ug/l	100
79) 2-Chlorotoluene	12.68	91	446467	19.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	582515	19.664	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38333	17.088	ug/l	91
82) 4-Chlorotoluene	12.77	91	449571	19.806	ug/l	100
83) tert-Butylbenzene	12.99	119	540616	20.367	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	598116	20.158	ug/l	100
85) sec-Butylbenzene	13.17	105	689972	19.651	ug/l	100
86) p-Isopropyltoluene	13.29	119	617041	19.823	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	303689	20.278	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	296792	20.133	ug/l	100
89) n-Butylbenzene	13.62	91	455611	18.513	ug/l	99
90) Hexachloroethane	13.88	117	105993	17.067	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311718	20.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26776	21.684	ug/l	99

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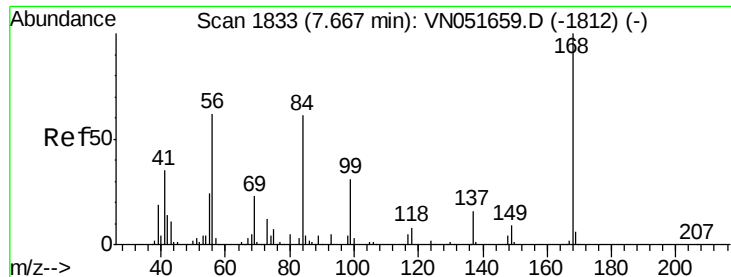
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136401	20.589	ug/l	99
94) Hexachlorobutadiene	15.01	225	94617	21.050	ug/l	98
95) Naphthalene	15.13	128	309523	21.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	145955	22.370	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion:168 Resp: 598844

Ion Ratio Lower Upper

168 100

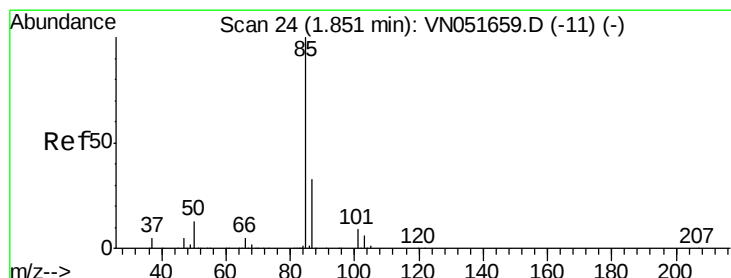
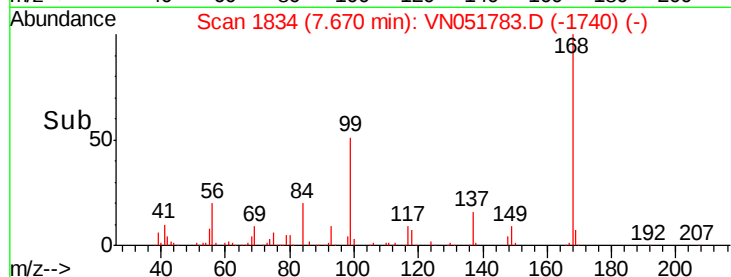
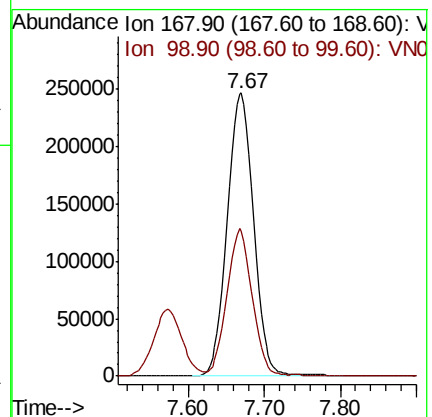
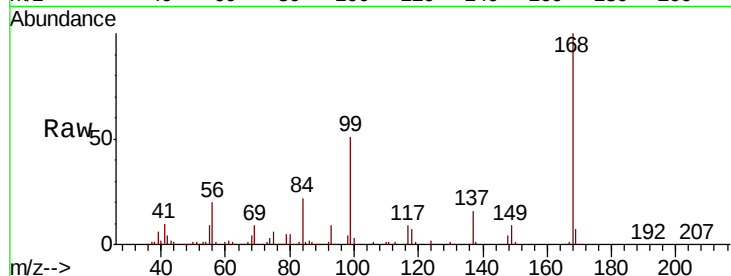
99 51.0 40.4 60.6

Manual Integrations

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10/11/2018 5:51:15 PM



#2

Dichlorodifluoromethane

Concen: 19.543 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051783.D

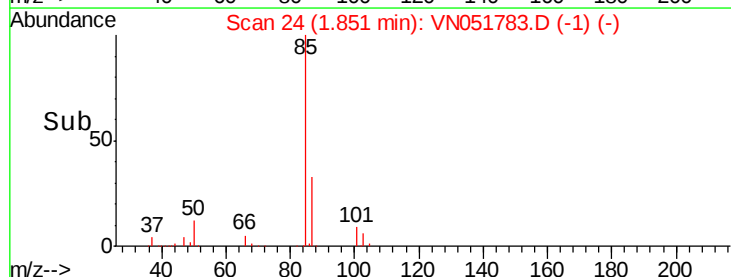
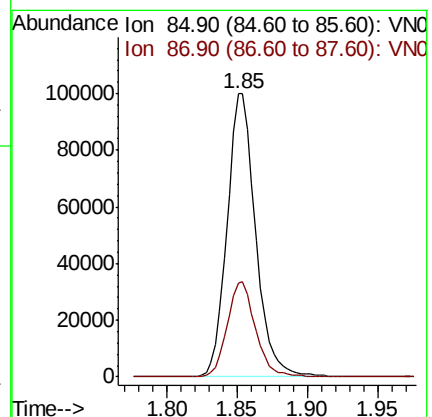
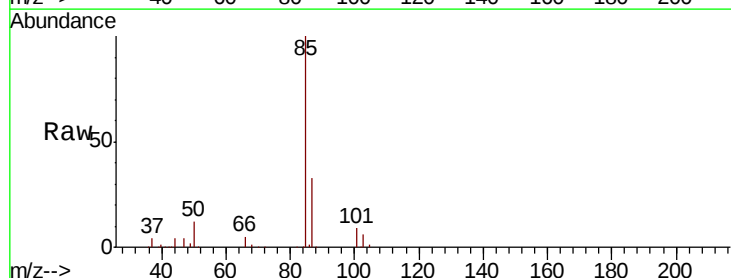
Acq: 10 Oct 2018 12:01

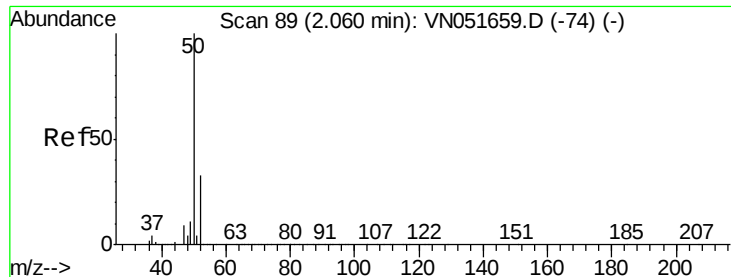
Tgt Ion: 85 Resp: 140996

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.4





#3

Chloromethane

Concen: 18.120 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VN1010MBS02

Tot Ion: 50 Resp: 123834

Ion Ratio Lower Upper

50 100

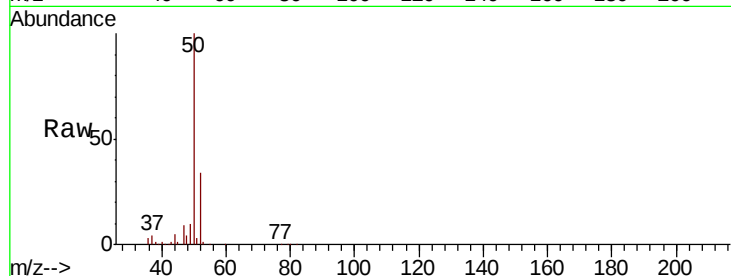
52 33.5 26.6 39.8

Manual Integrations

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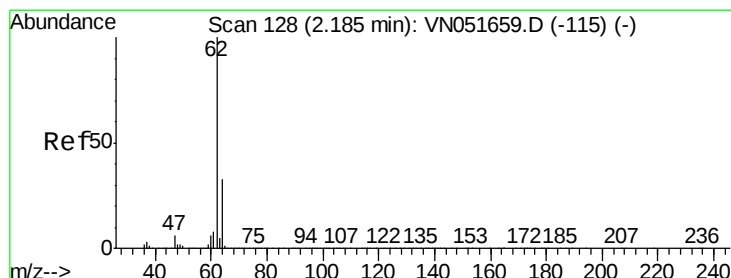
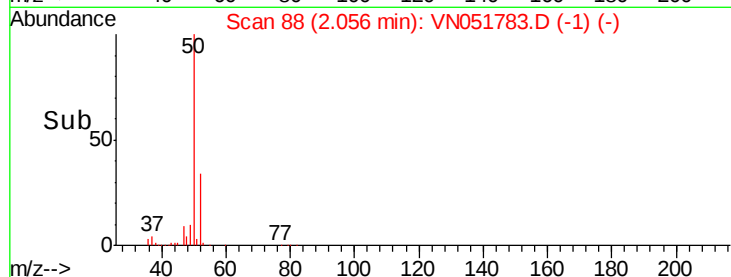
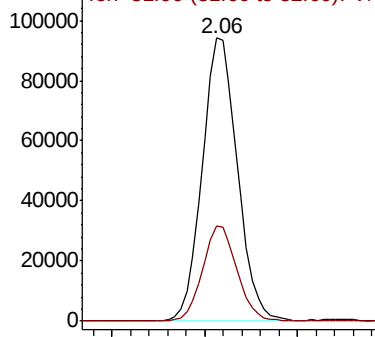
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.606 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051783.D

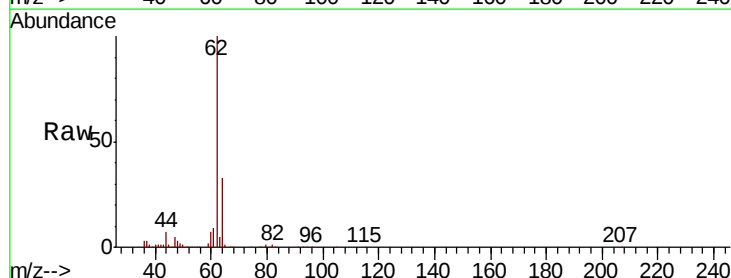
Acq: 10 Oct 2018 12:01

Tgt Ion: 62 Resp: 178770

Ion Ratio Lower Upper

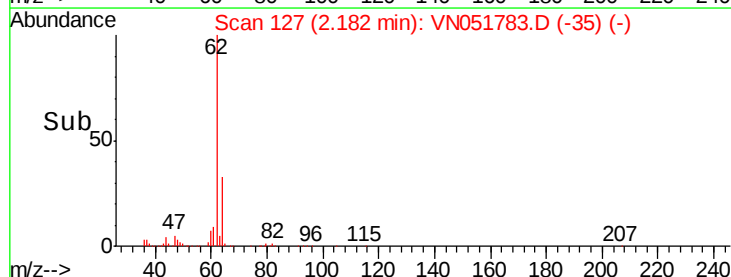
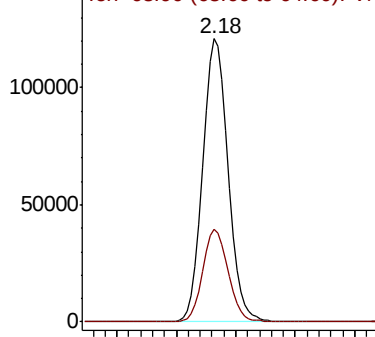
62 100

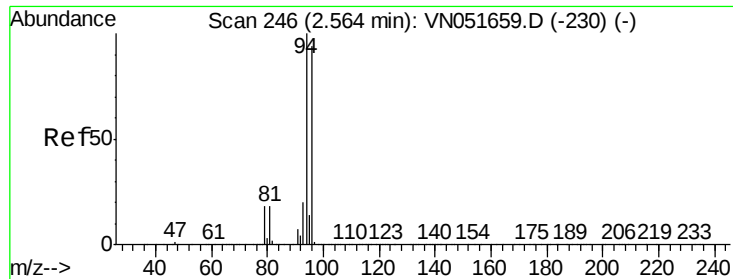
64 32.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.712 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 94 Resp: 163192

Ion Ratio Lower Upper

94 100

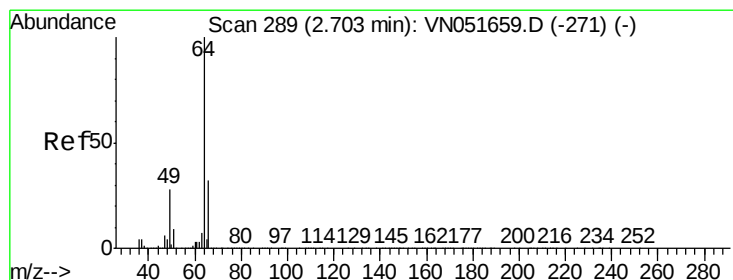
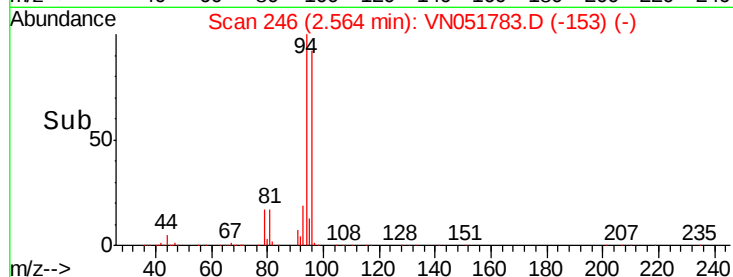
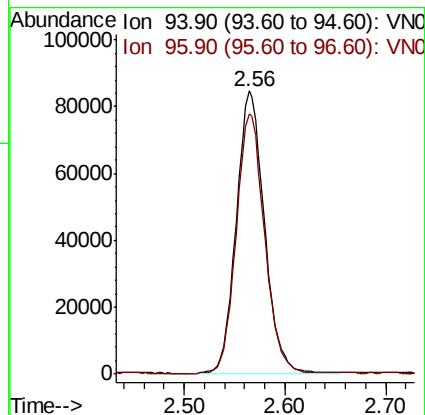
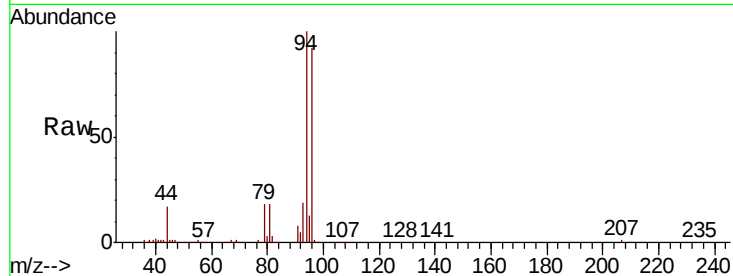
96 92.0 75.2 112.8

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 17.147 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051783.D

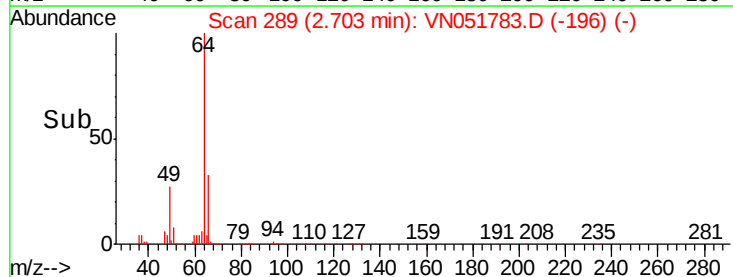
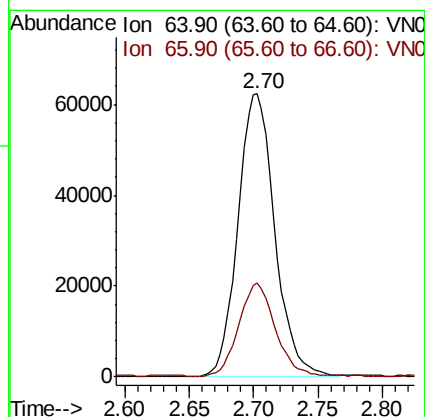
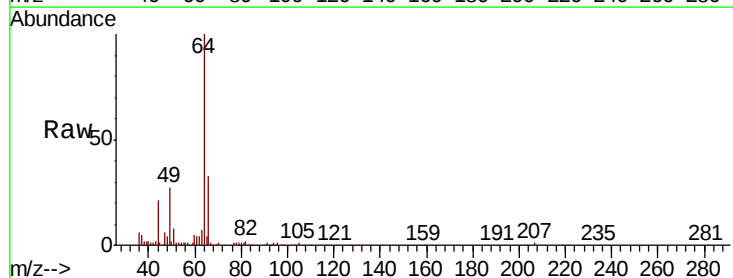
Acq: 10 Oct 2018 12:01

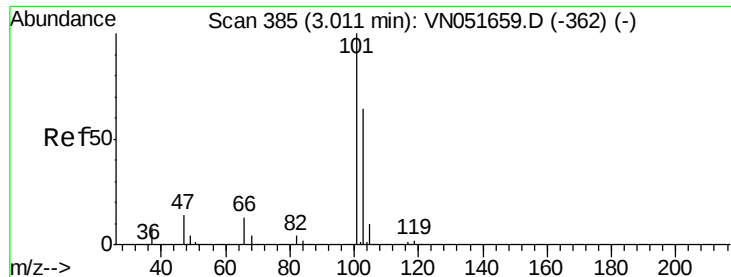
Tgt Ion: 64 Resp: 124065

Ion Ratio Lower Upper

64 100

66 33.1 26.0 39.0





#7

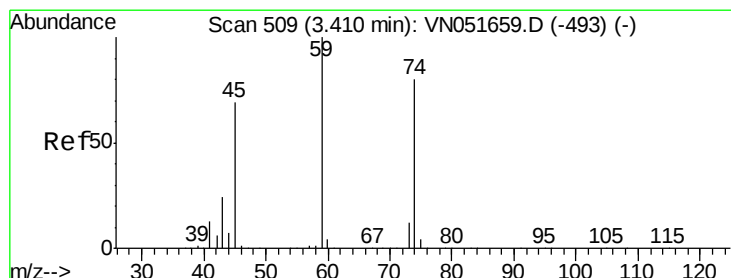
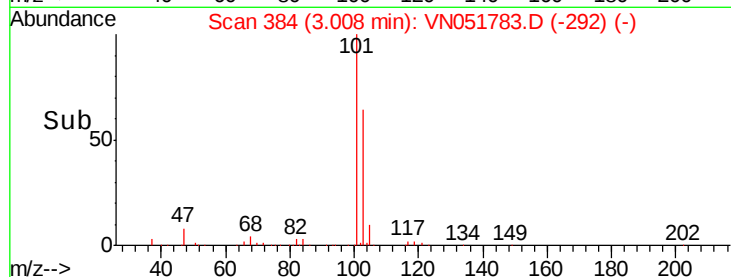
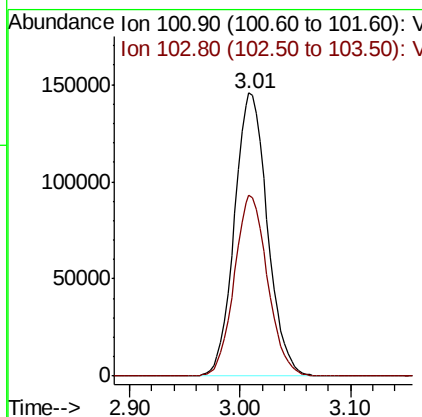
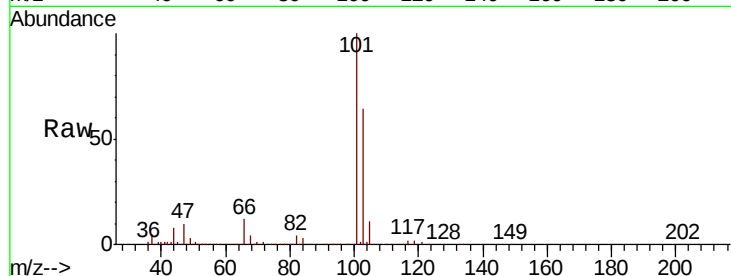
Trichlorofluoromethane
 Concen: 26.307 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
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 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.1	76.7

Manual Integrations
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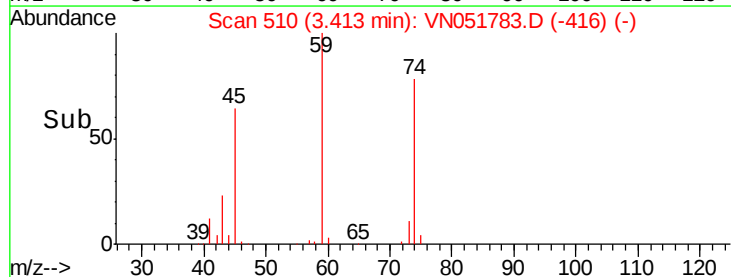
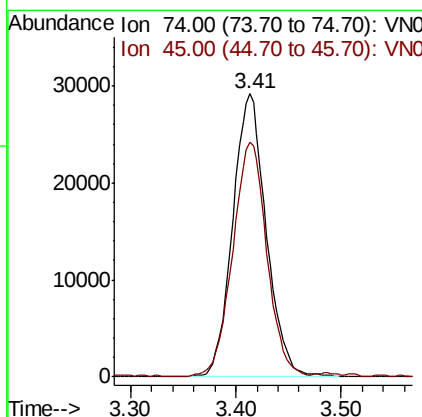
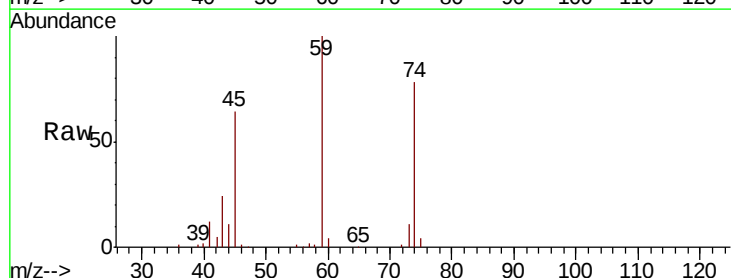
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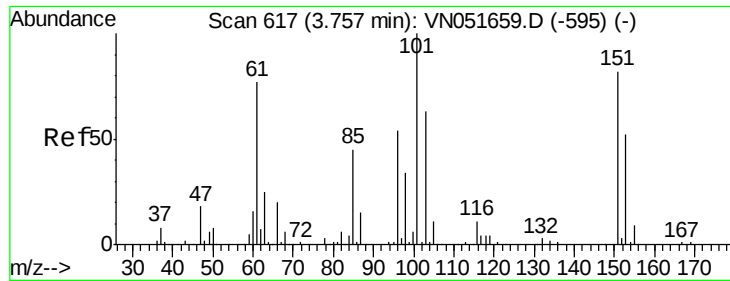


#8

Diethyl Ether
 Concen: 20.511 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.6	44.3	132.9





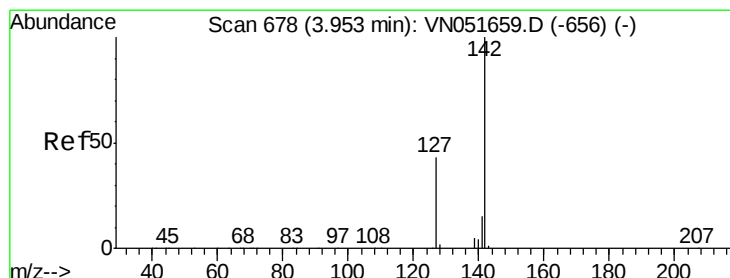
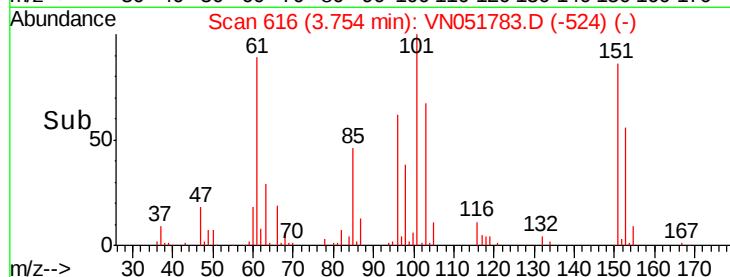
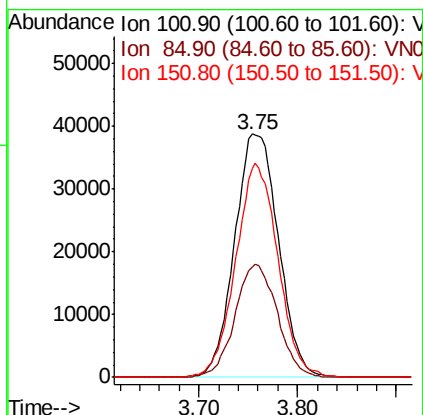
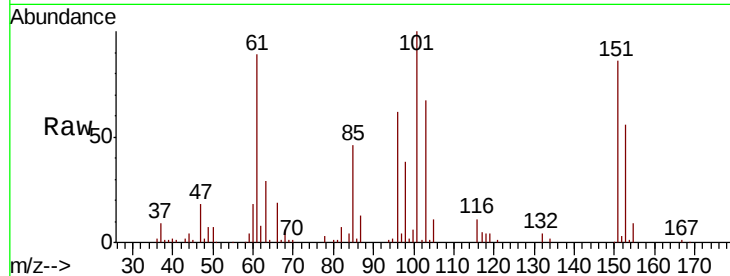
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.953 ug/l
RT: 3.75 min Scan# 616
Delta R.T. -0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	119387		
85	44.6	35.6	53.4	
151	84.8	65.5	98.3	

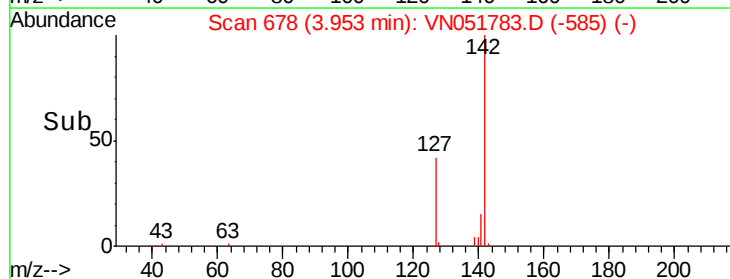
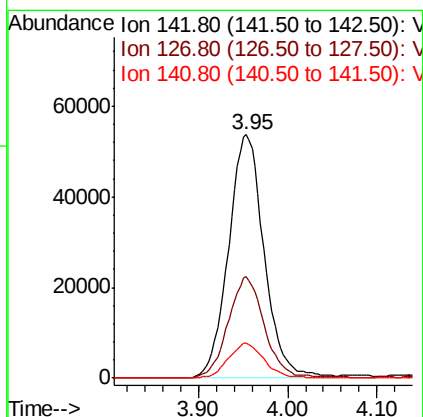
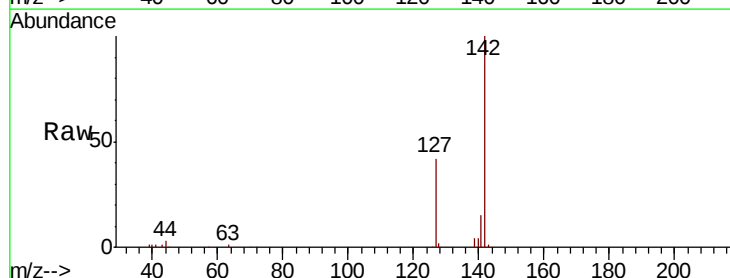
Manual Integrations
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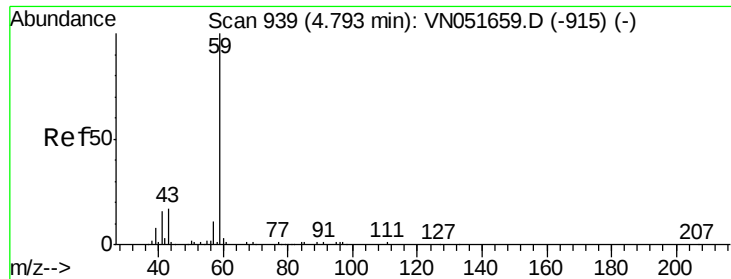
MMDadoda
10/11/2018 5:51:15 PM



#10
Methyl Iodide
Concen: 20.247 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	148630		
127	42.2	34.7	52.1	
141	14.4	11.4	17.2	





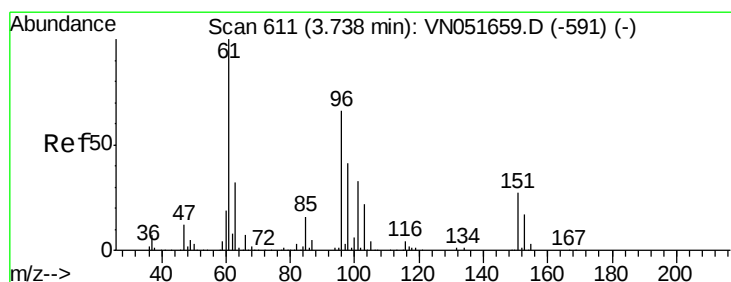
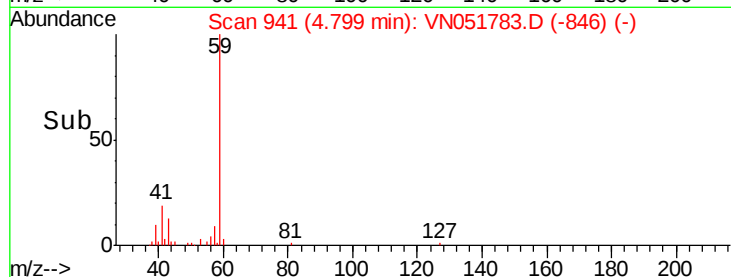
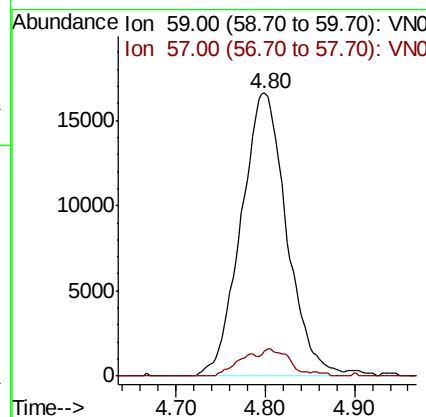
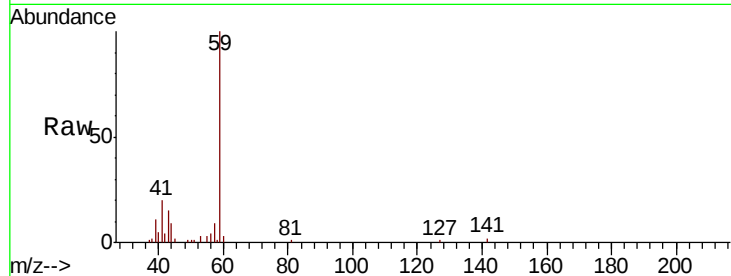
#11
Tert butyl alcohol
Concen: 109.926 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.1	12.1#

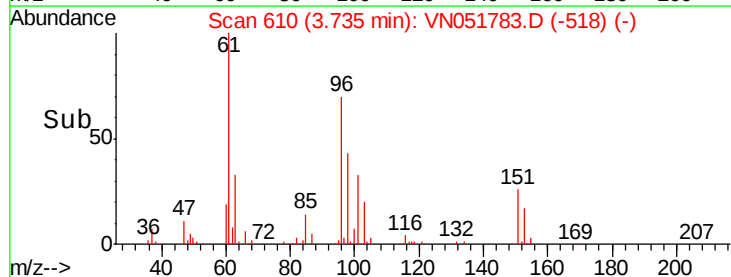
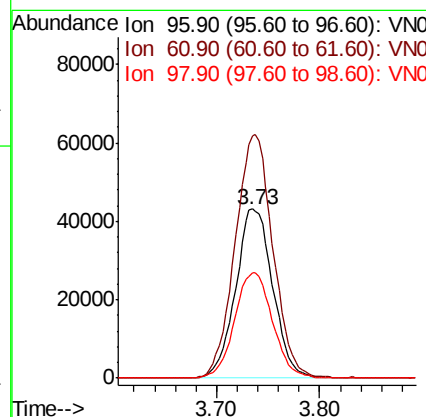
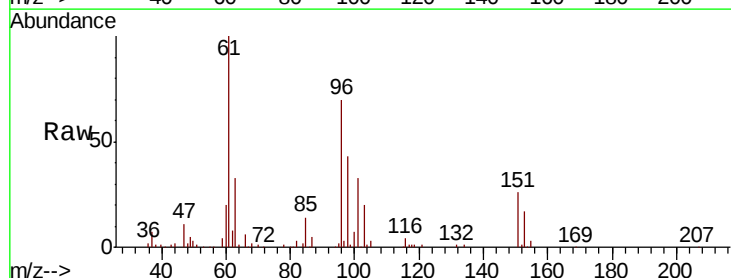
Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM



#12
1,1-Dichloroethene
Concen: 19.407 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	121.4	182.0
98	62.0	49.9	74.9





#13

Acrolein

Concen: 56.589 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 56 Resp: 22315

Ion Ratio Lower Upper

56 100

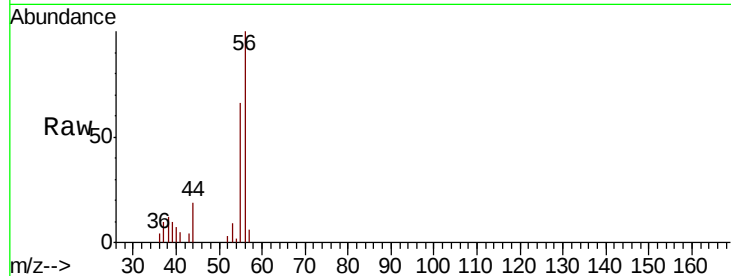
55 71.0 57.5 86.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

6000

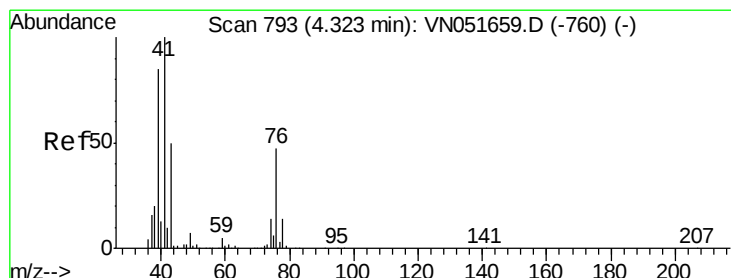
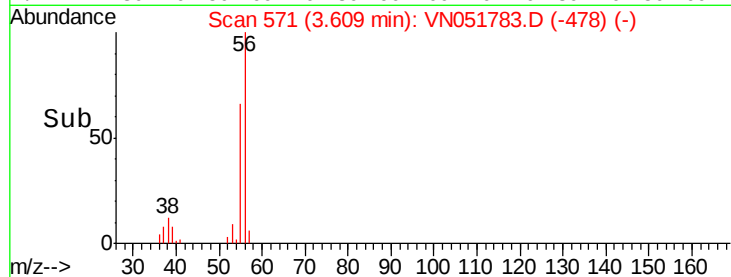
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 16.761 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

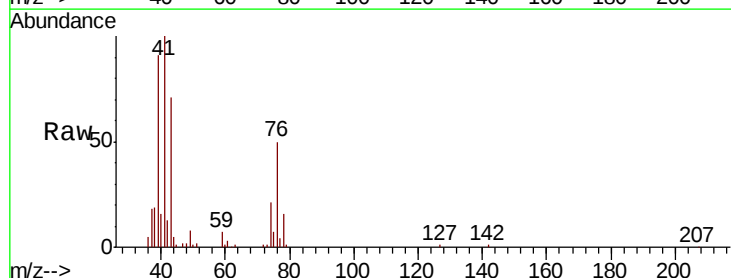
Tgt Ion: 41 Resp: 142563

Ion Ratio Lower Upper

41 100

39 83.1 65.4 98.0

76 48.2 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

4.32

60000

50000

40000

30000

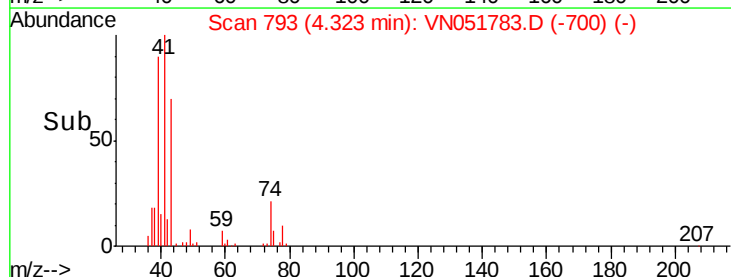
20000

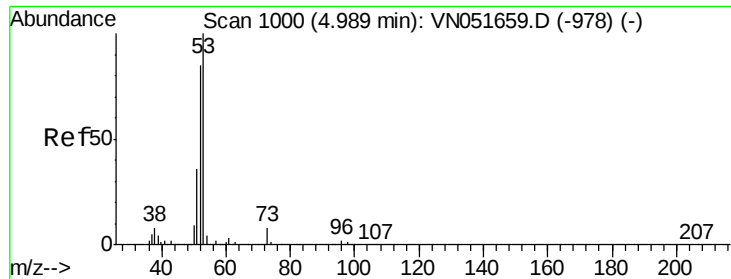
10000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 107.063 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

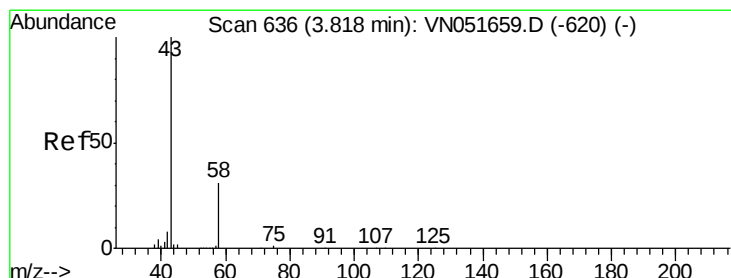
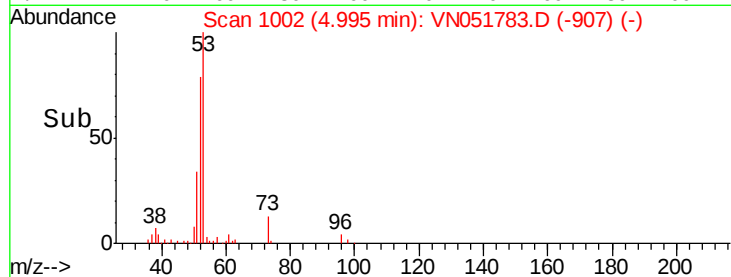
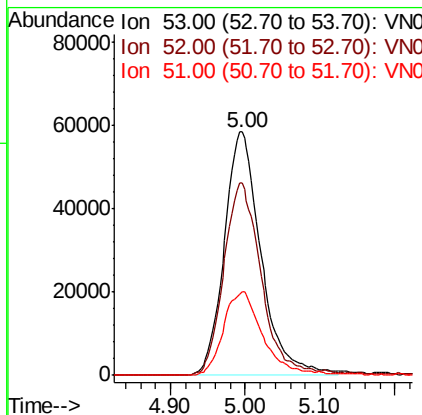
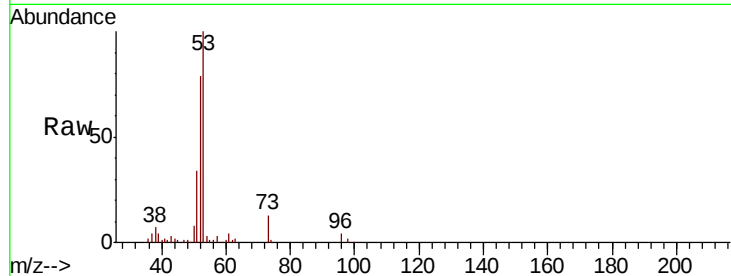
ClientSampleId :

VN1010MBS02

Tot Ion:	53	Resp:	198633
Ion Ratio		Lower	Upper
53	100		
52	80.0	66.2	99.2
51	36.9	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 93.205 ug/l

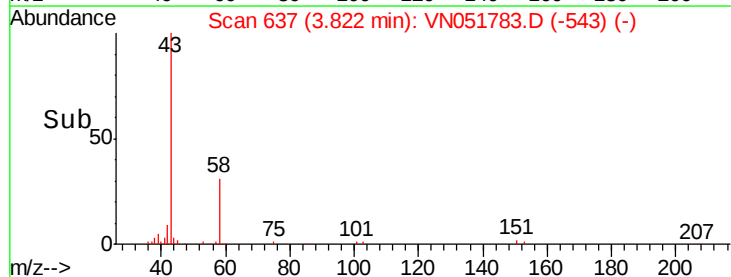
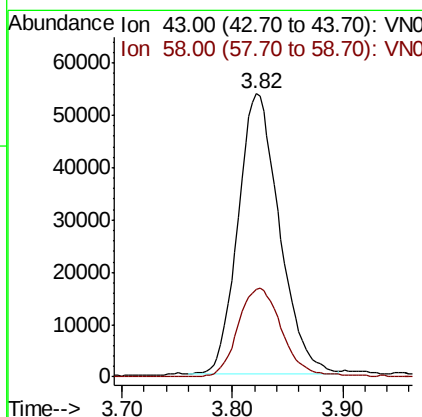
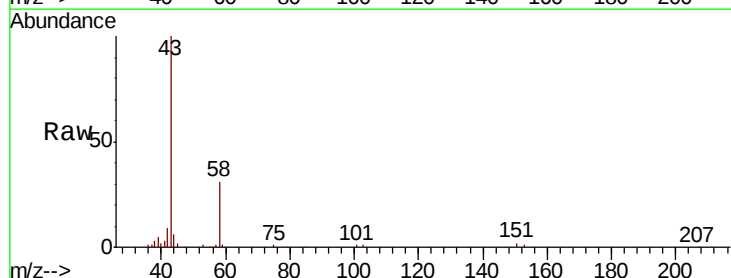
RT: 3.82 min Scan# 637

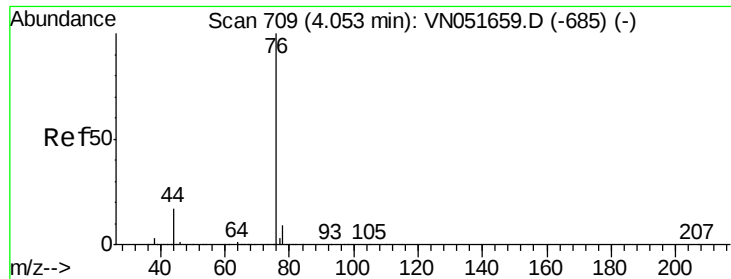
Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Tgt Ion:	43	Resp:	139164
Ion Ratio		Lower	Upper
43	100		
58	31.3	24.3	36.5





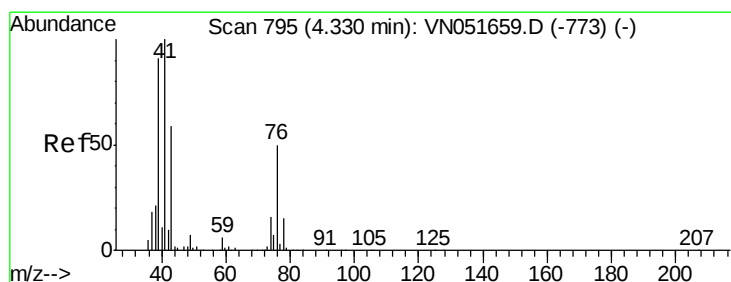
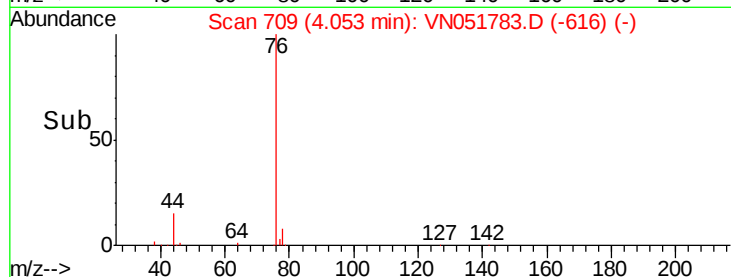
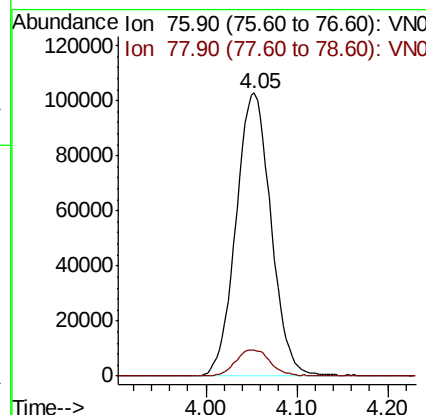
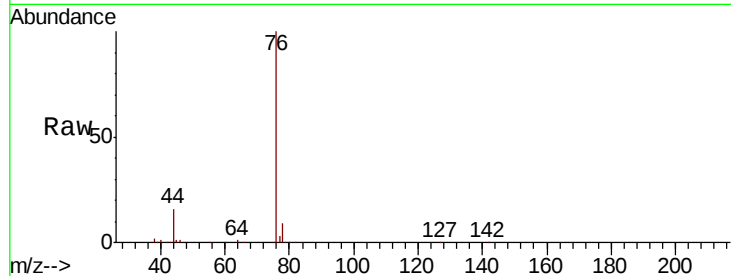
#17
Carbon Disulfide
Concen: 16.214 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

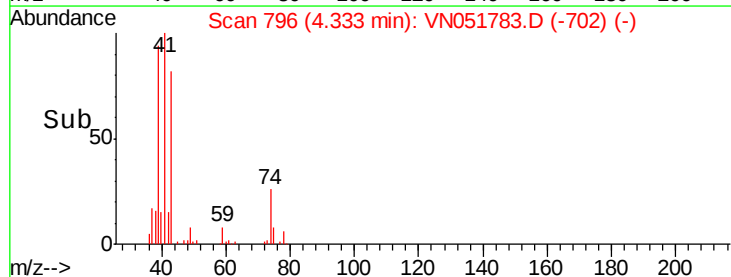
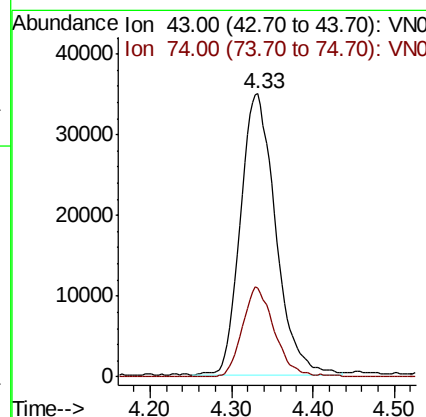
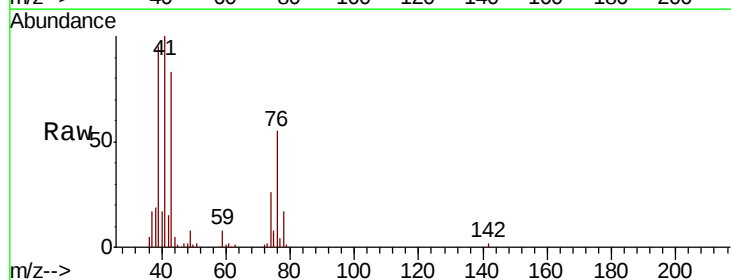
Manual Integrations
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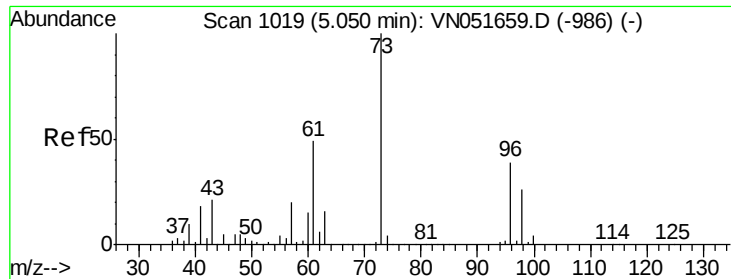
MMDadoda
10/11/2018 5:51:15 PM



#18
Methyl Acetate
Concen: 23.972 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	21.5	32.3





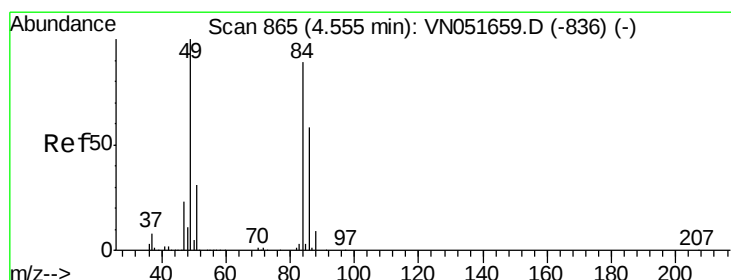
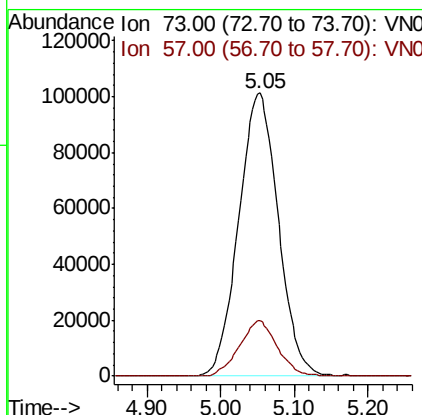
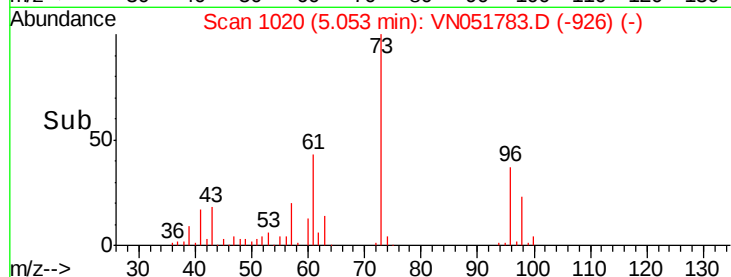
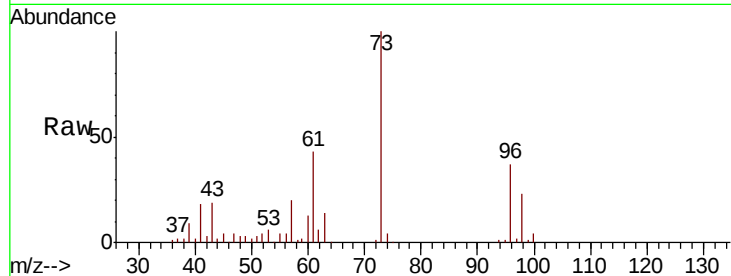
#19
Methvl tert-butvl Ether
Concen: 20.566 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion: 73 Resp: 378572
Ion Ratio Lower Upper
73 100
57 19.8 15.6 23.4

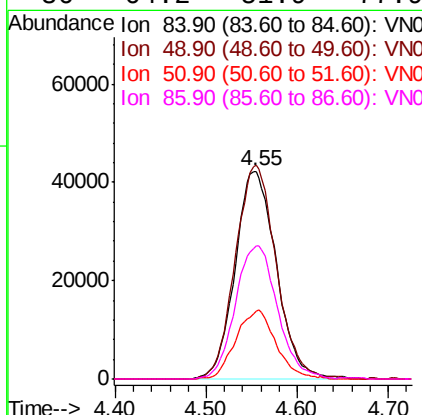
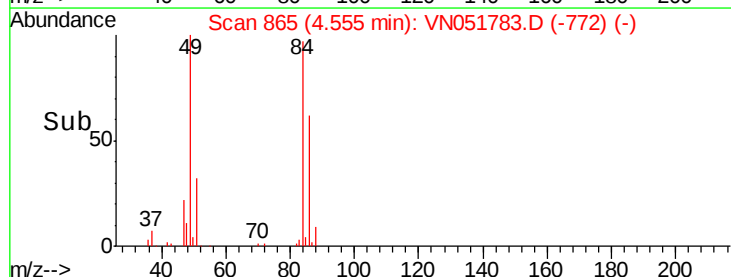
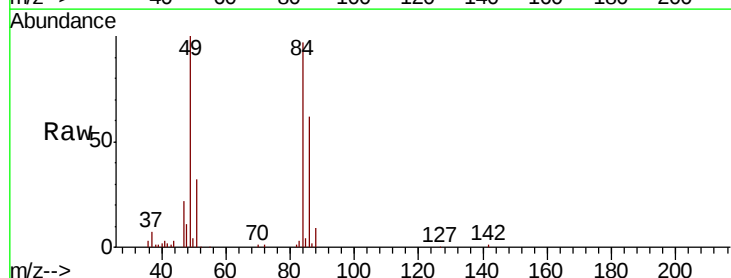
Manual Integrations
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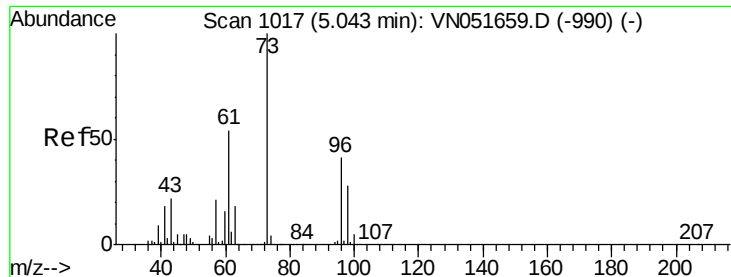
MMDadoda
10/11/2018 5:51:15 PM



#20
Methylene Chloride
Concen: 20.404 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion: 84 Resp: 132802
Ion Ratio Lower Upper
84 100
49 102.9 89.5 134.3
51 32.9 27.4 41.0
86 64.2 51.9 77.9





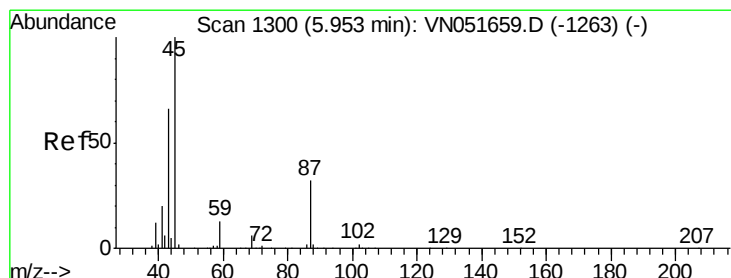
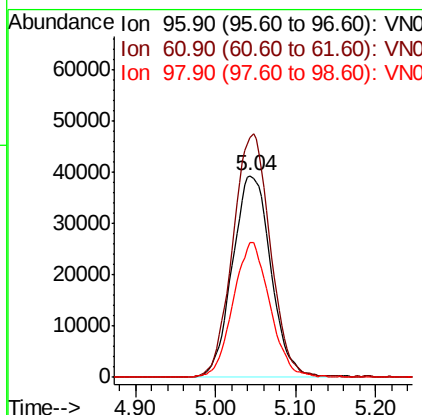
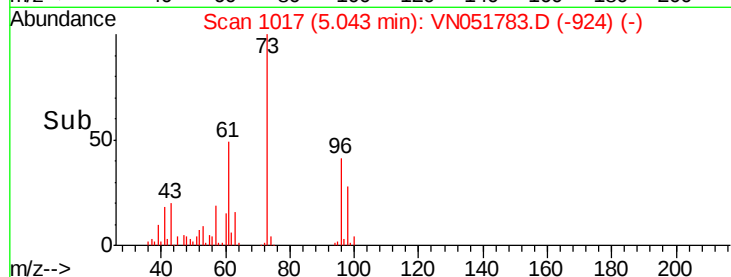
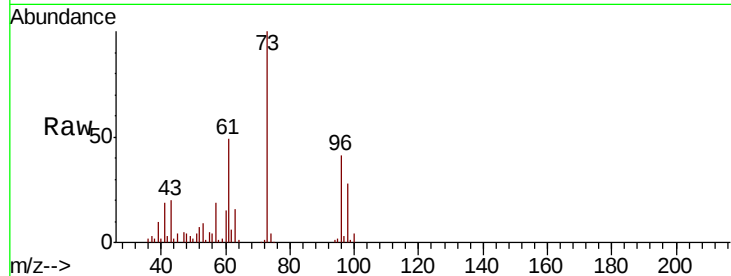
#21
trans-1,2-Dichloroethene
Concen: 19.445 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.6	104.7	157.1
98	66.9	54.6	82.0

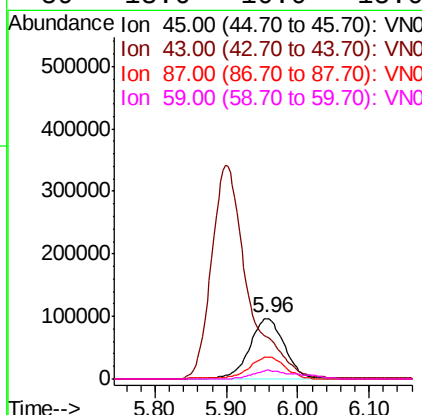
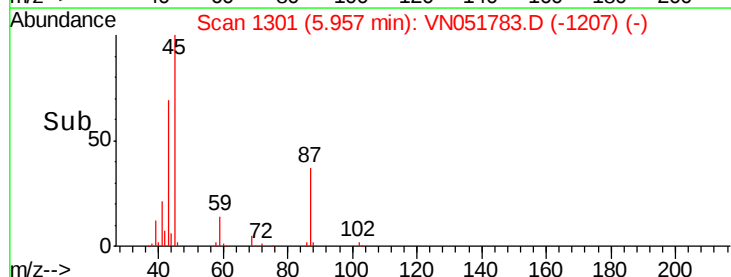
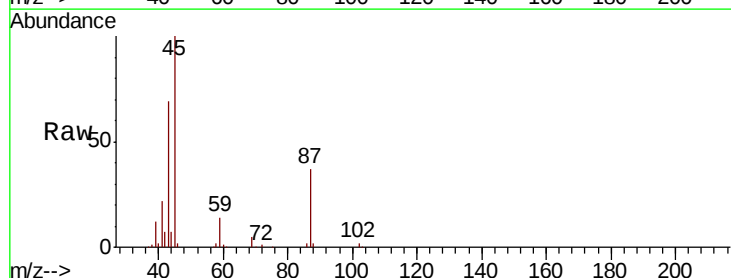
Manual Integrations
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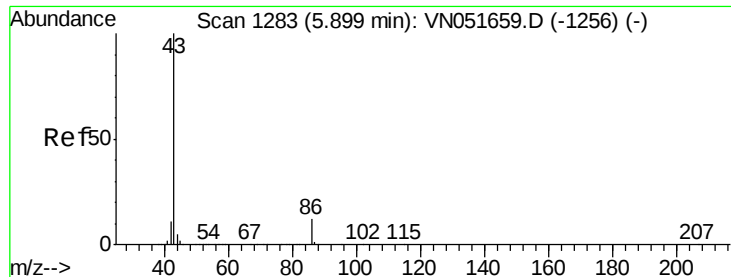
MMDadoda
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#22
Diisopropyl ether
Concen: 17.985 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	53.0	79.4
87	36.8	26.4	39.6
59	13.6	10.0	15.0





#23

Vinyl Acetate

Concen: 89.848 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 43 Resp: 1204541

Ion Ratio Lower Upper

43 100

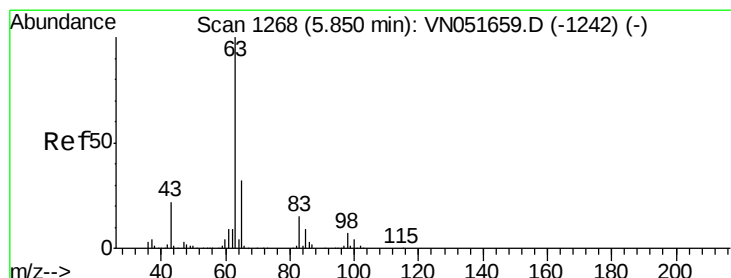
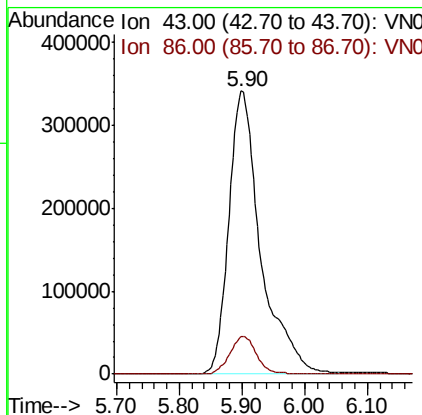
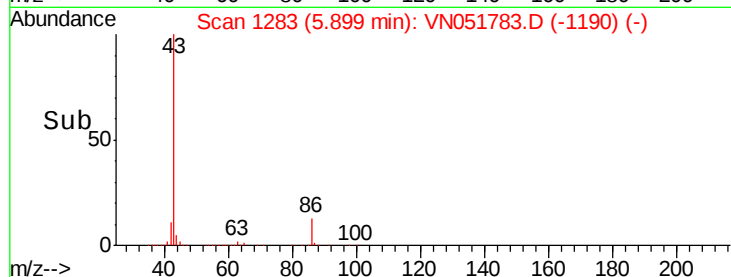
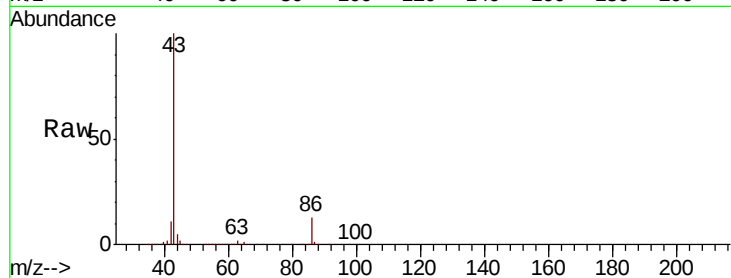
86 13.3 9.3 13.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.517 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

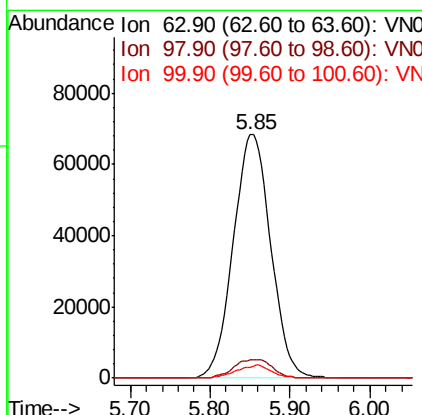
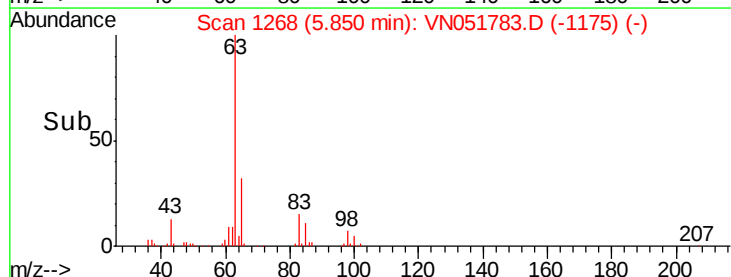
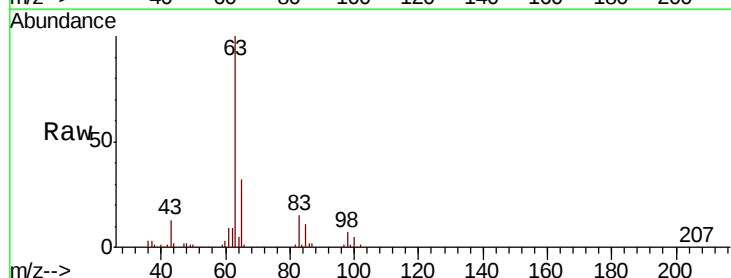
Tgt Ion: 63 Resp: 217142

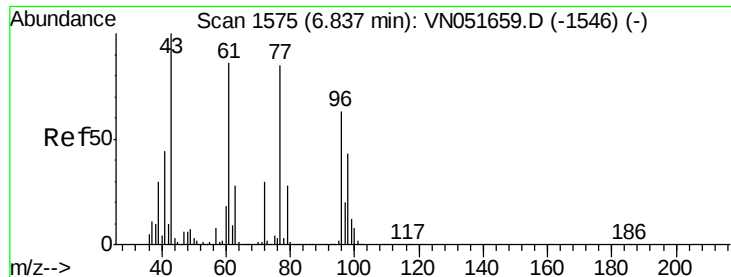
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

100 4.6 2.2 6.6





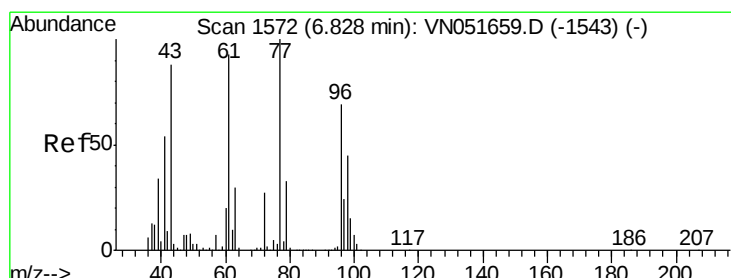
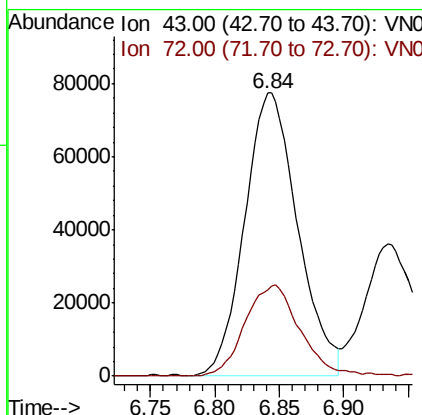
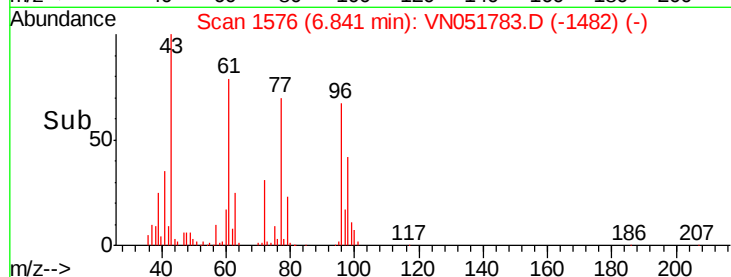
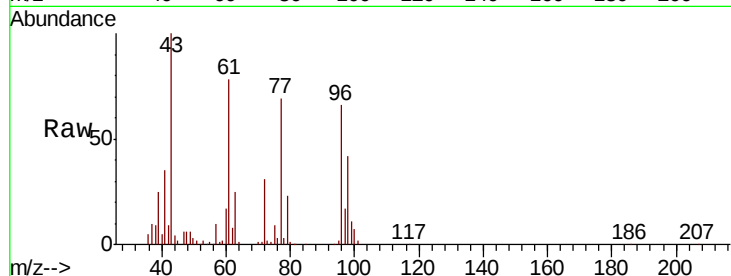
#25
2-Butanone
Concen: 96.634 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion: 43 Resp: 220752
Ion Ratio Lower Upper
43 100
72 30.6 24.2 36.2

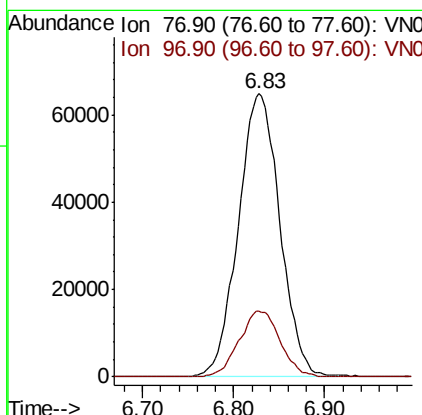
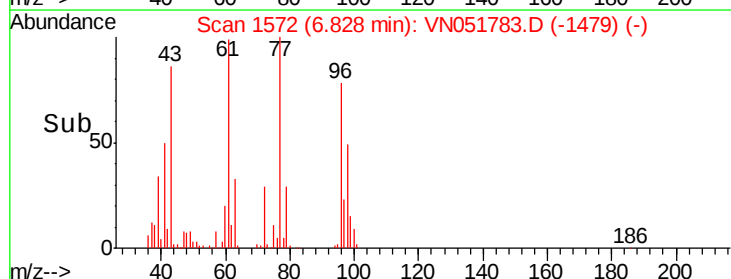
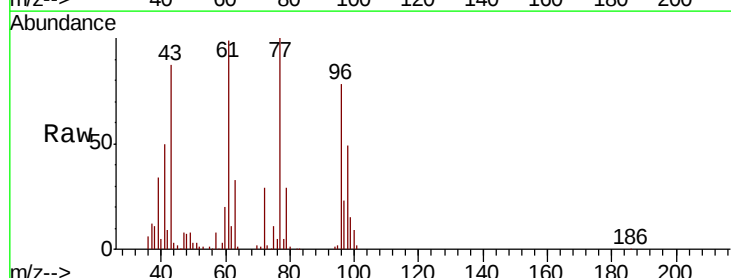
Manual Integrations
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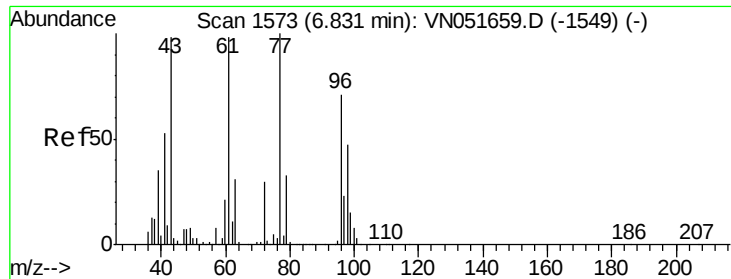
MMDadoda
10/11/2018 5:51:15 PM



#26
2,2-Dichloropropane
Concen: 17.467 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion: 77 Resp: 205253
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.8





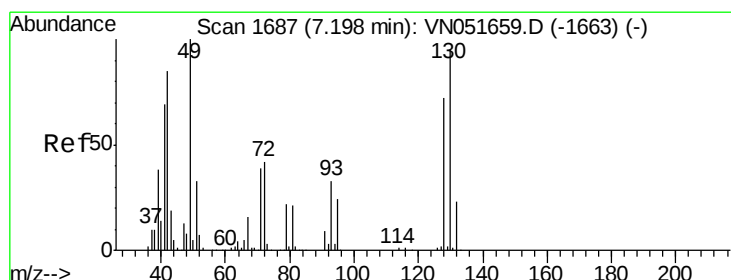
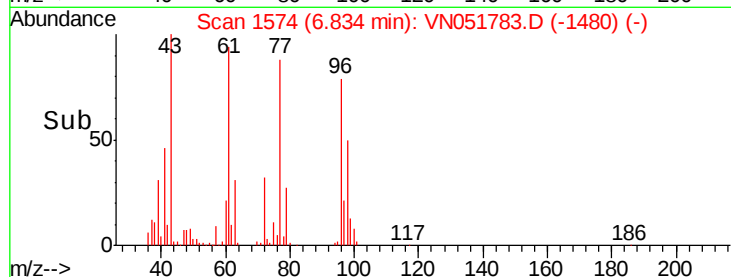
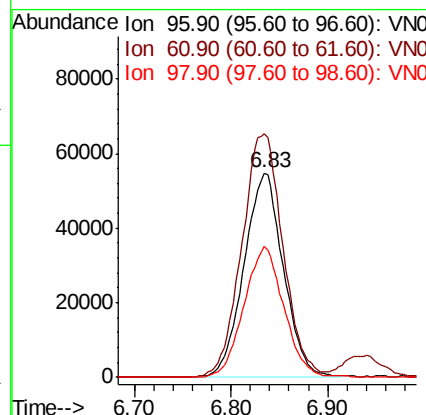
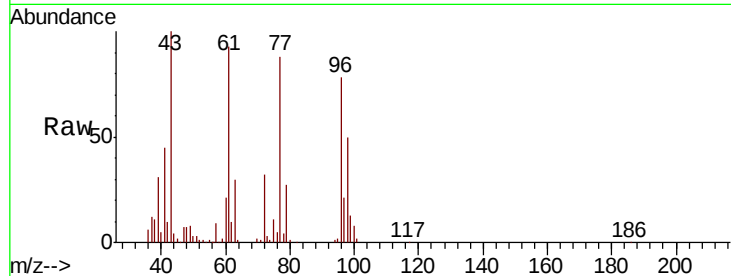
#27
 cis-1,2-Dichloroethene
 Concen: 20.254 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155386		
61	124.1	0.0	275.4	
98	64.3	0.0	129.6	

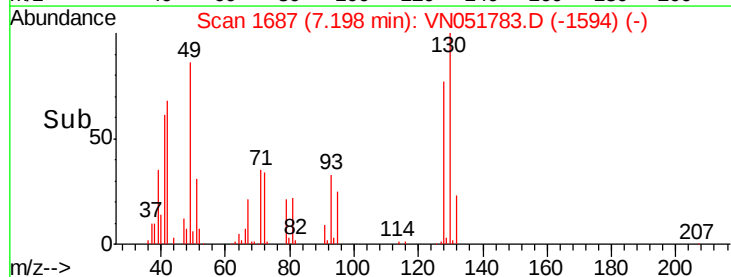
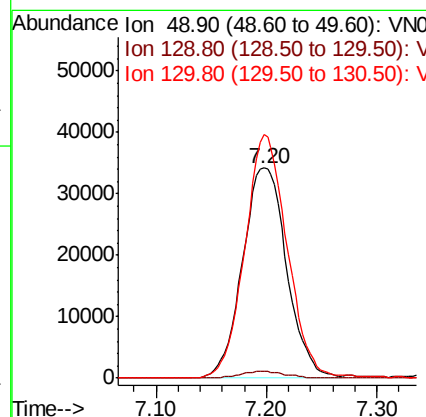
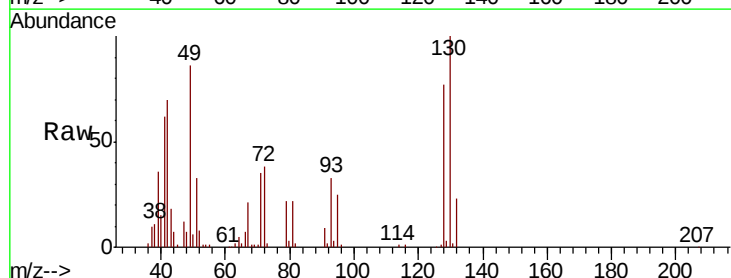
Manual Integrations
 APPROVED

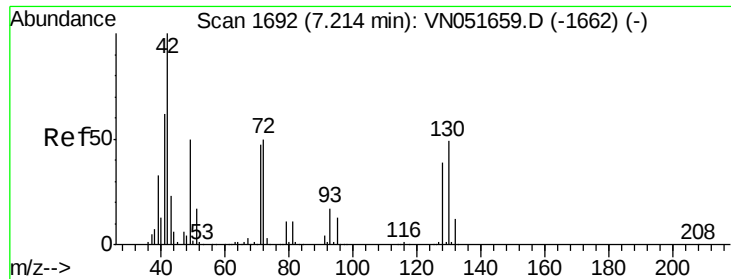
MMDadoda
 10/11/2018 5:51:15 PM



#28
 Bromochloromethane
 Concen: 18.300 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95004		
129	3.1	0.0	4.8	
130	110.8	75.7	113.5	





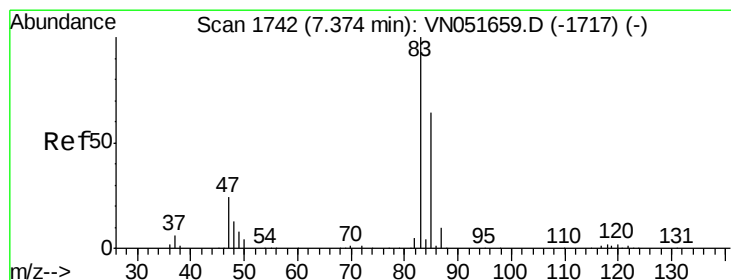
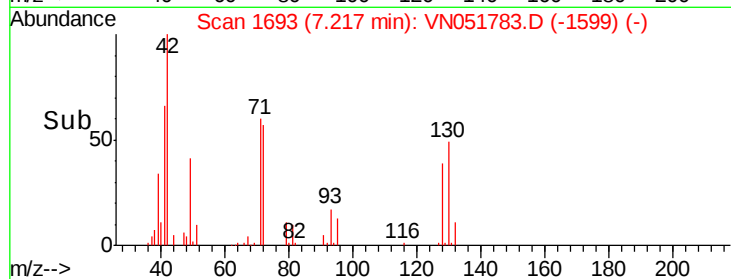
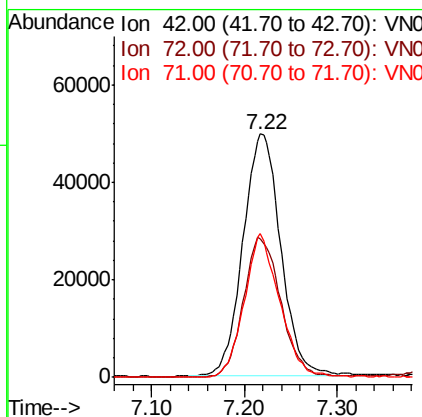
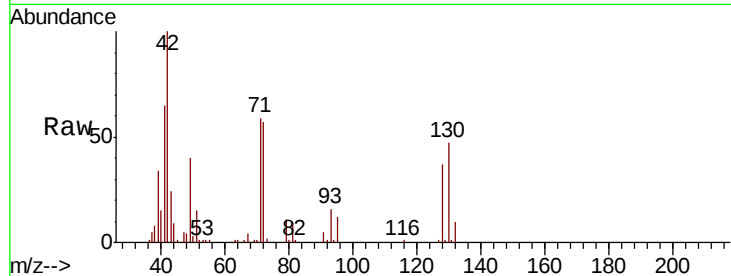
#29
Tetrahydrofuran
Concen: 100.377 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.4	40.1	60.1
71	55.2	38.0	57.0

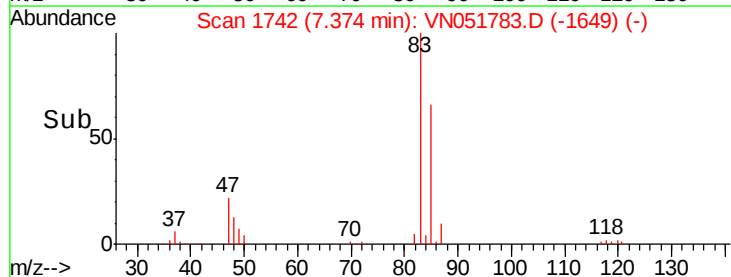
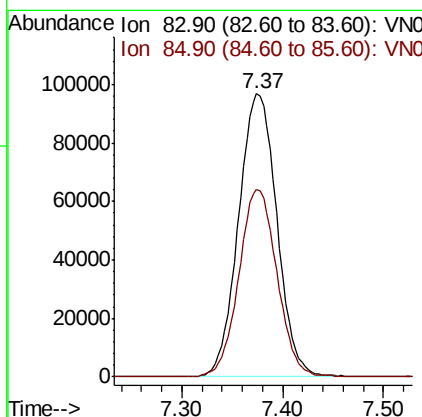
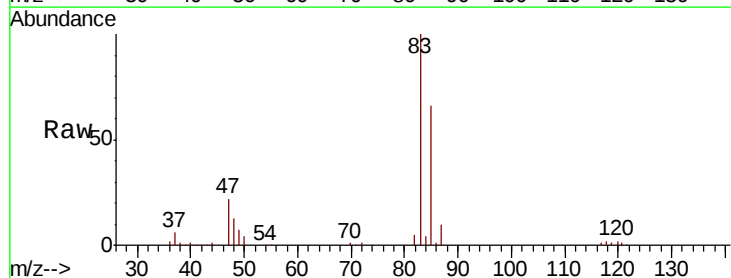
Manual Integrations
APPROVED

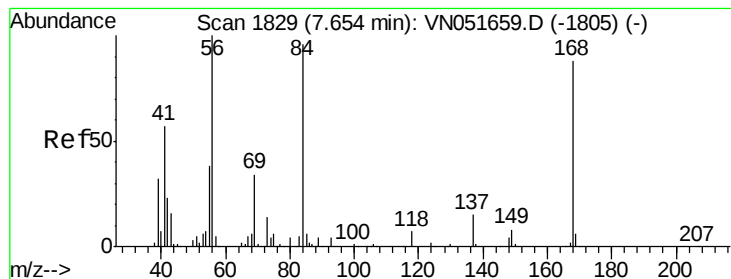
MMDadoda
10/11/2018 5:51:15 PM



#30
Chloroform
Concen: 19.362 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.6	77.4





#31

Cyclohexane

Concen: 16.565 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 56 Resp: 177898

Ion Ratio Lower Upper

56 100

69 44.1 27.5 41.3#

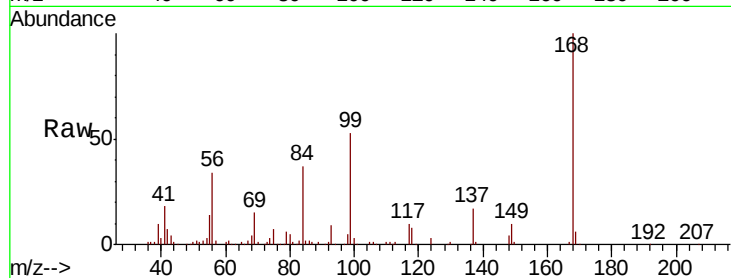
84 106.7 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:51:15 PM

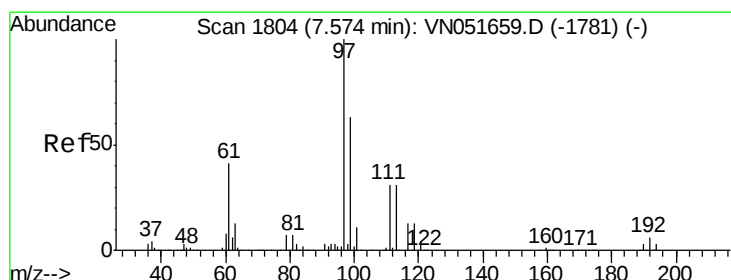
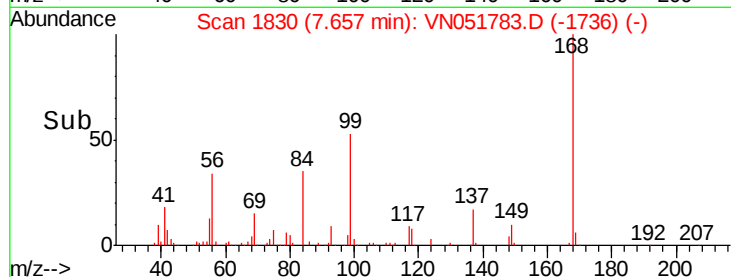
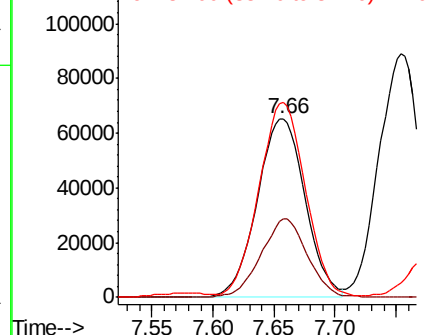


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 18.468 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

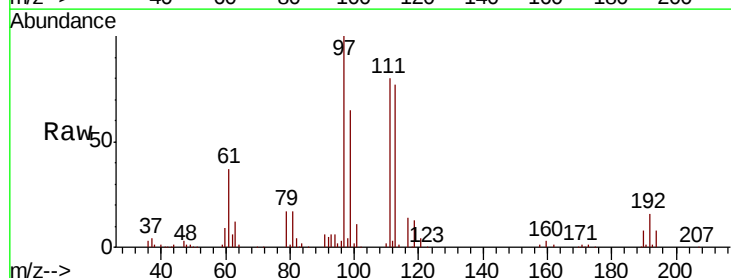
Tgt Ion: 97 Resp: 235849

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 38.5 33.4 50.0

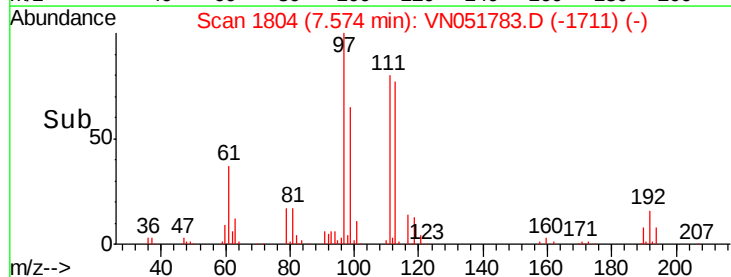
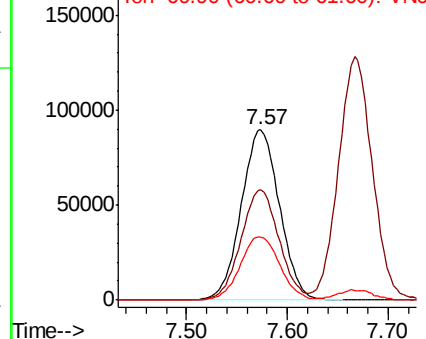


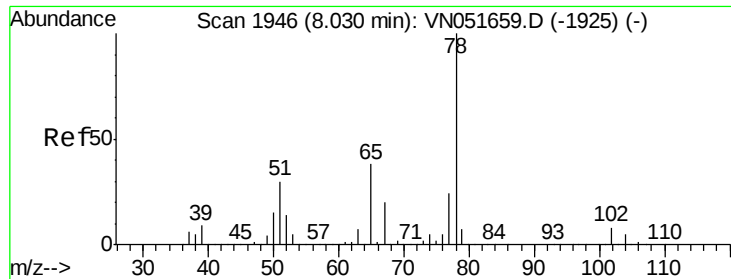
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





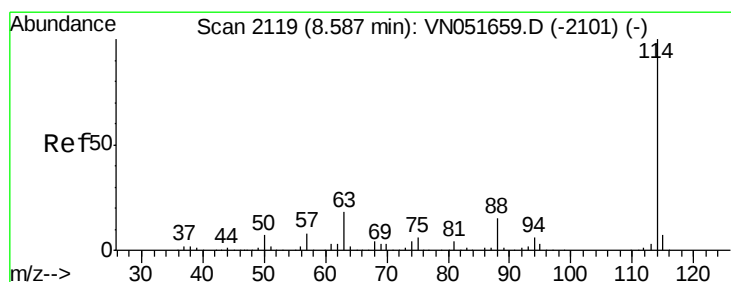
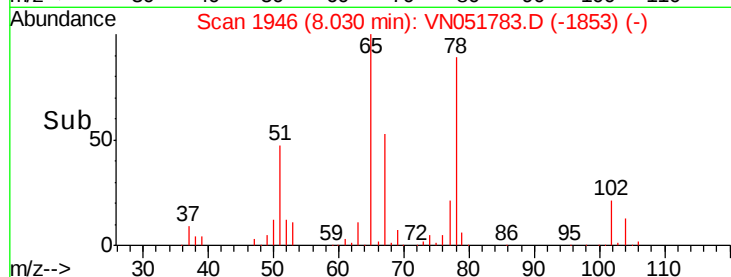
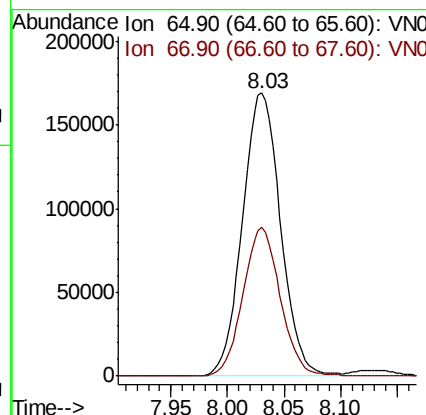
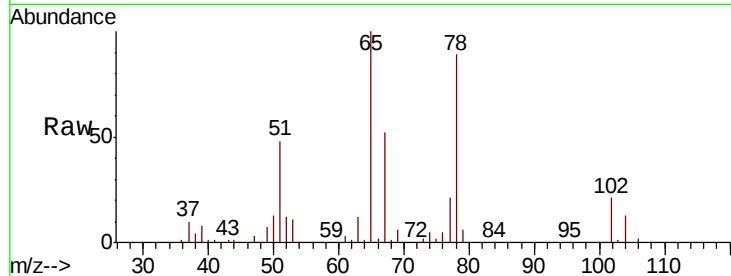
#33
 1,2-Dichloroethane-d4
 Concen: 18.468 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	103.6	

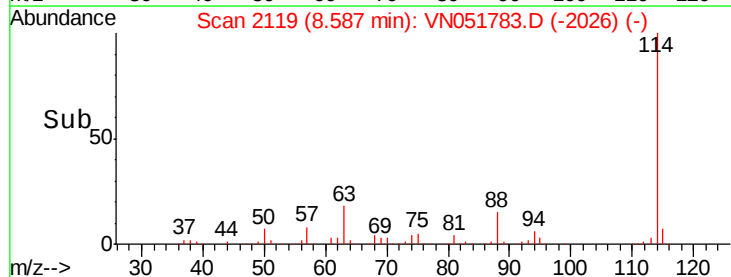
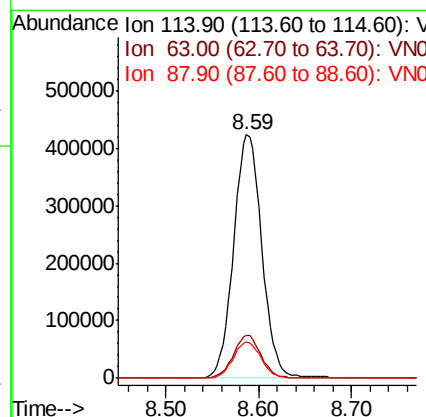
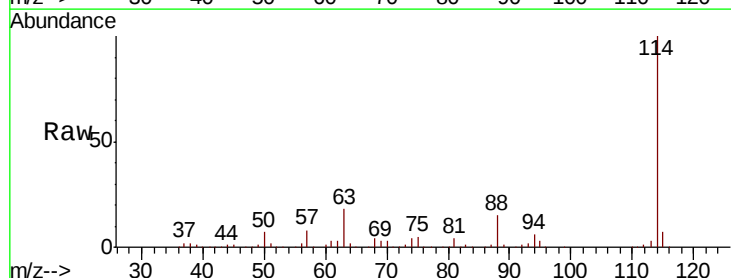
Manual Integrations
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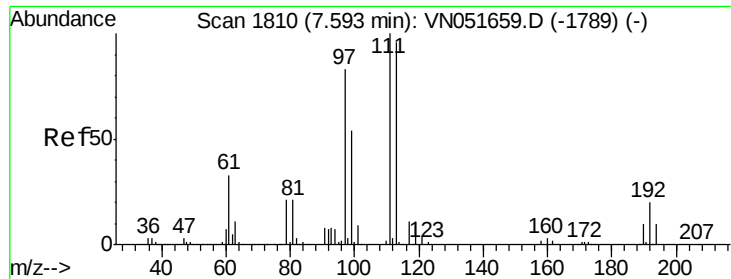
MMDadoda
 10/11/2018 5:51:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.2	
88	14.7	0.0	30.2	





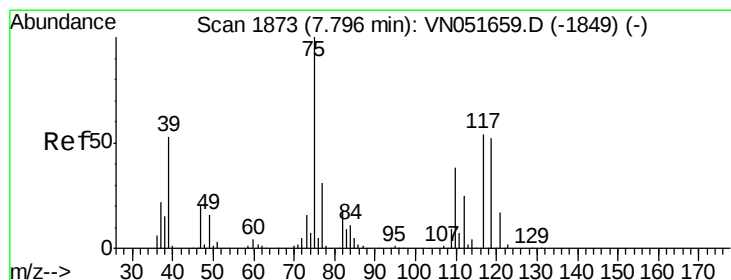
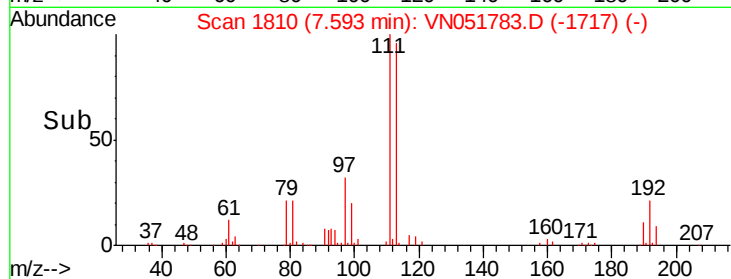
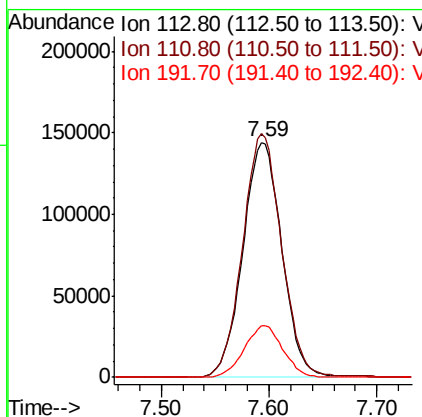
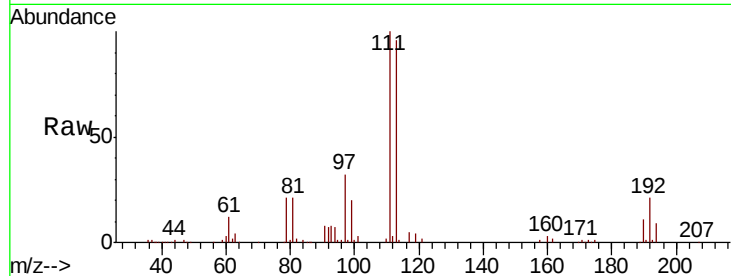
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	362481		
111	103.6	81.8	122.8	
192	21.8	16.5	24.7	

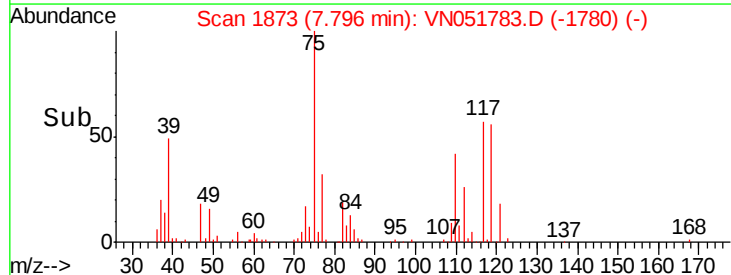
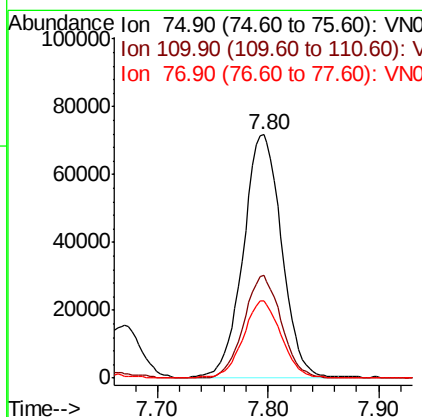
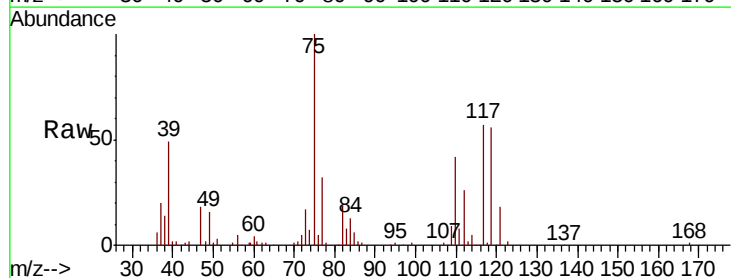
Manual Integrations
APPROVED

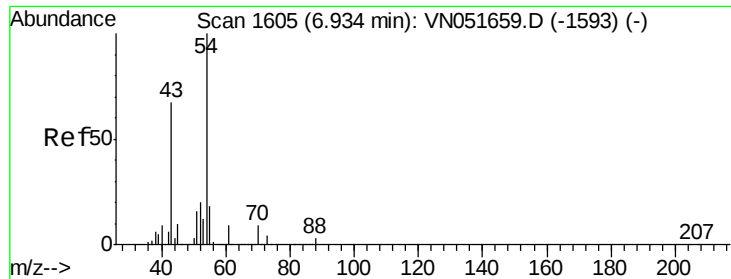
MMDadoda
10/11/2018 5:51:15 PM



#36
1,1-Dichloropropene
Concen: 18.349 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171607		
110	41.2	19.3	57.8	
77	31.1	24.7	37.1	





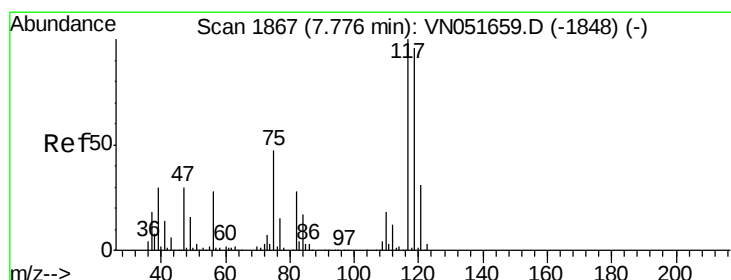
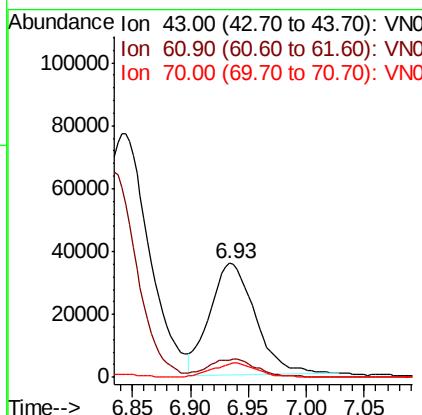
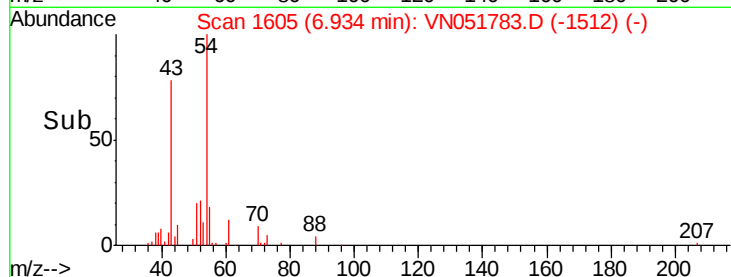
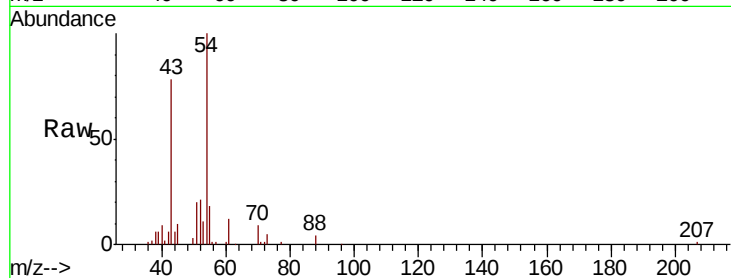
#37
Ethyl Acetate
Concen: 19.806 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	43	61	70
Resp:	96609		
Ratio	100	15.6	12.7
Lower		11.8	8.7
Upper		17.6	13.1

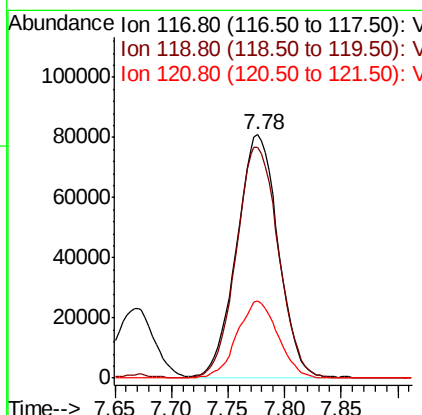
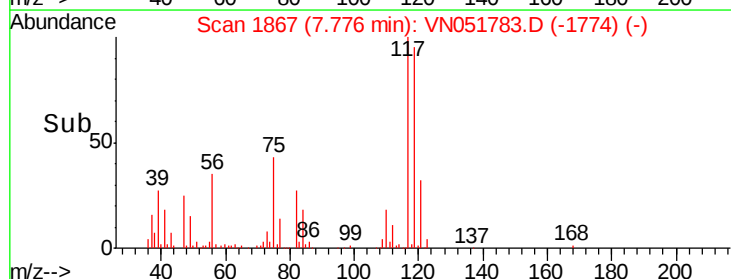
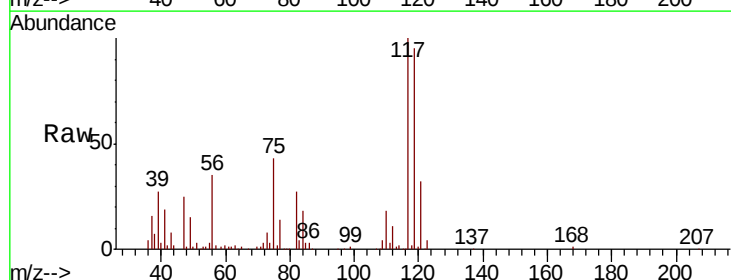
Manual Integrations
APPROVED

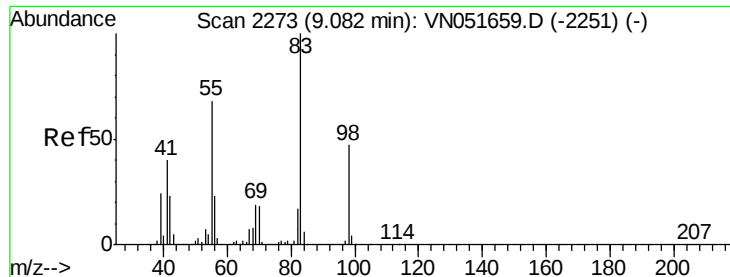
MMDadoda
10/11/2018 5:51:15 PM



#38
Carbon Tetrachloride
Concen: 18.355 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	117	119	121
Resp:	205984		
Ratio	100	94.9	31.7
Lower		77.0	25.0
Upper		115.6	37.6





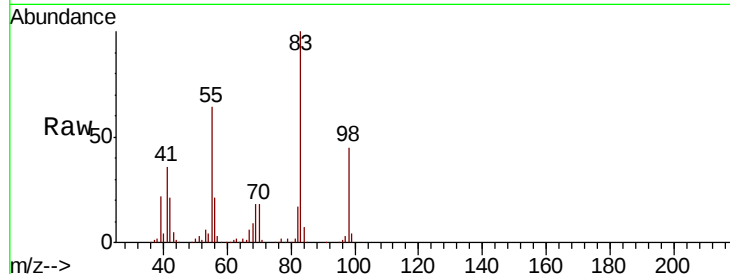
#39
Methvlcvclohexane
Concen: 18.503 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.8	54.3	81.5
98	45.4	37.4	56.2

Manual Integrations
APPROVED

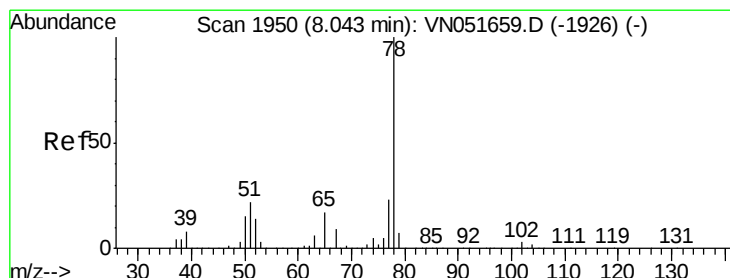
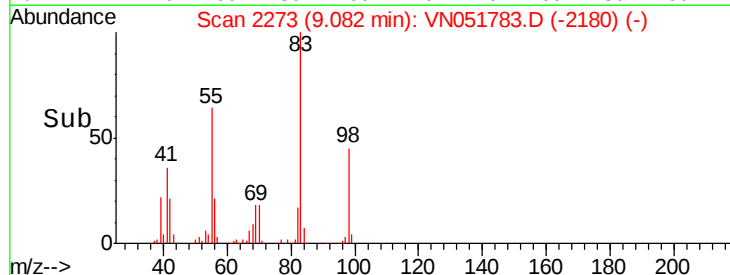
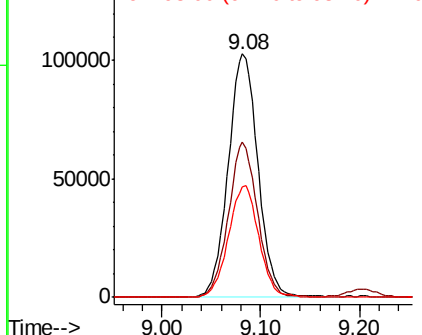
MMDadoda
10/11/2018 5:51:15 PM



Abundance Ion 83.00 (82.70 to 83.70): VN051783.D (-2180) (-)

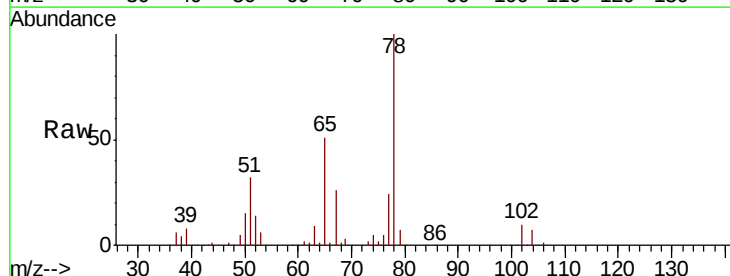
Ion 55.00 (54.70 to 55.70): VN051783.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN051783.D (-2180) (-)



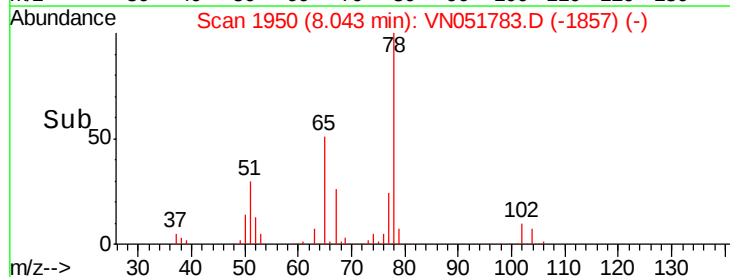
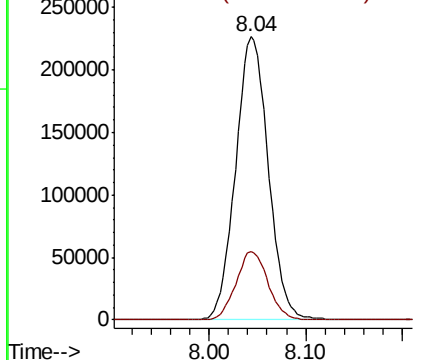
#40
Benzene
Concen: 19.209 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

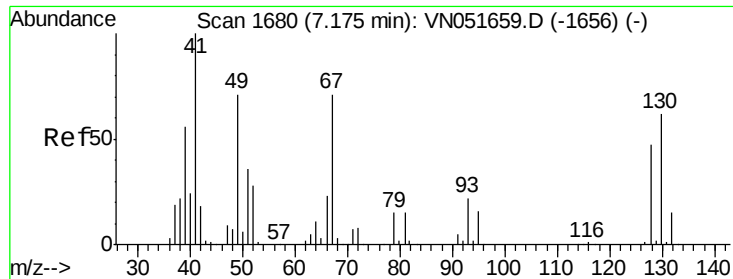
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN051783.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN051783.D (-1857) (-)





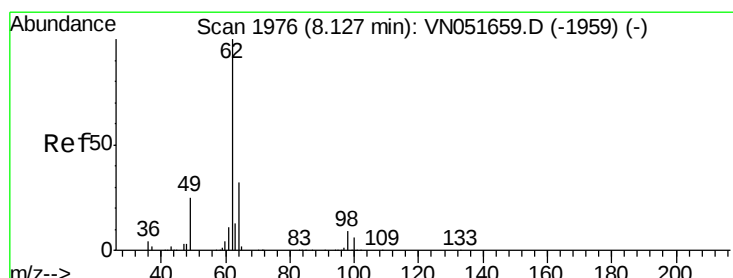
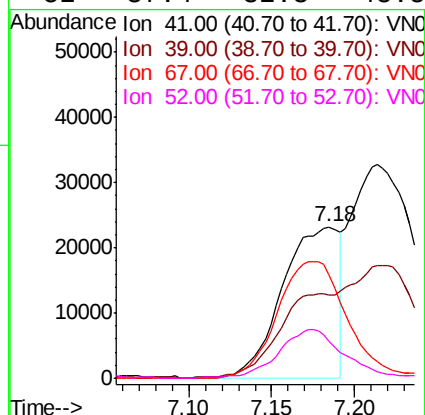
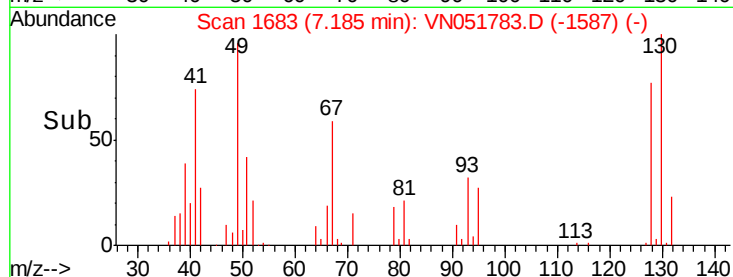
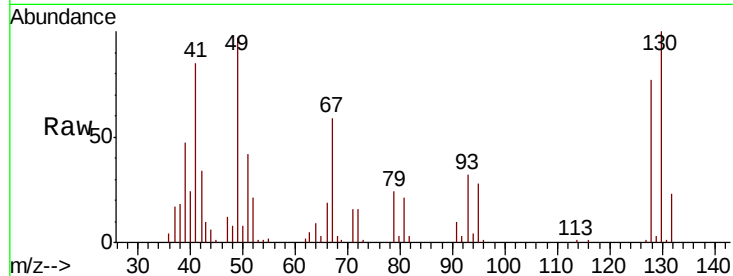
#41
Methacrylonitrile
Concen: 21.888 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	53.9	80.9
67	95.7	78.1	117.1
52	37.4	32.3	48.5

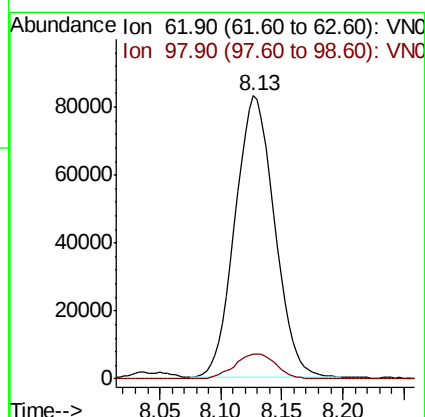
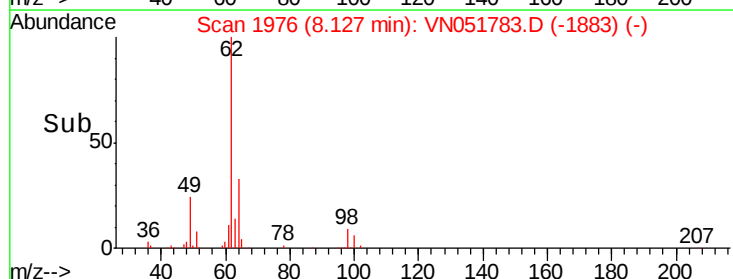
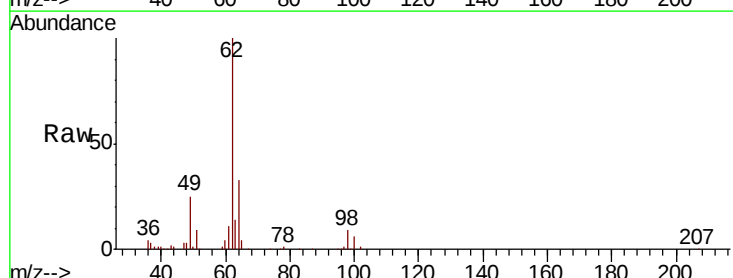
Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM



#42
1,2-Dichloroethane
Concen: 19.881 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.012 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

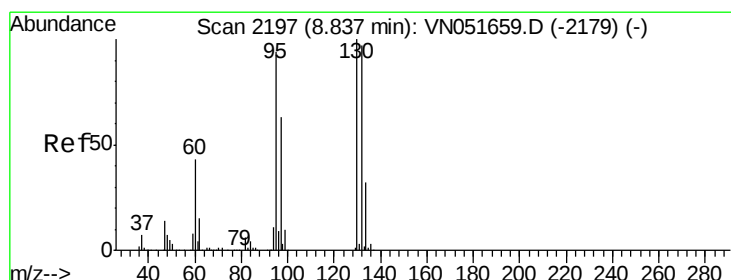
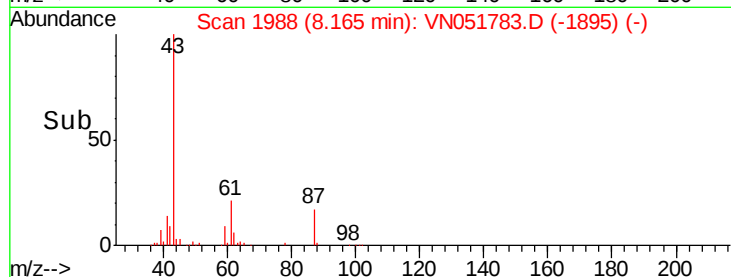
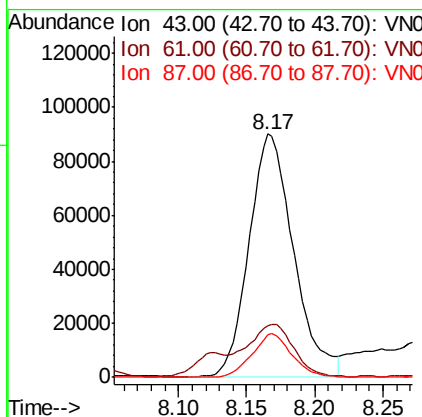
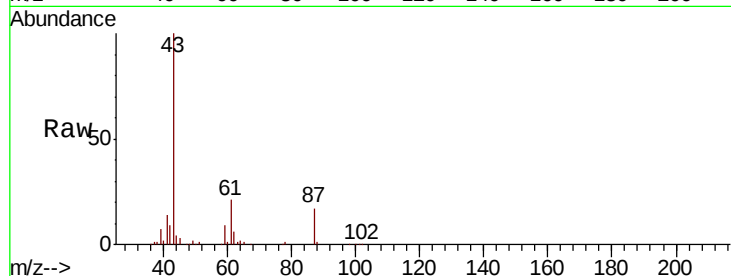
ClientSampleId :

VN1010MBS02

Tot Ion:	43	Resp:	203522
Ion	Ratio	Lower	Upper
43	100		
61	21.7	15.8	23.6
87	16.2	12.6	19.0

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#44

Trichloroethene

Concen: 19.778 ug/l

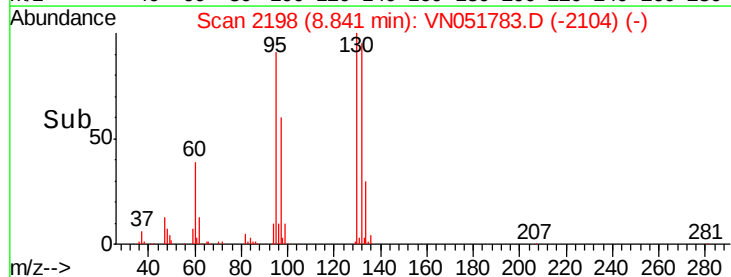
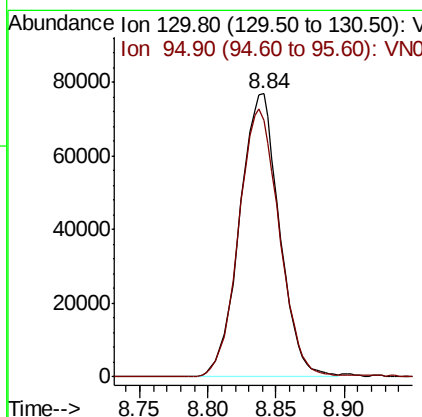
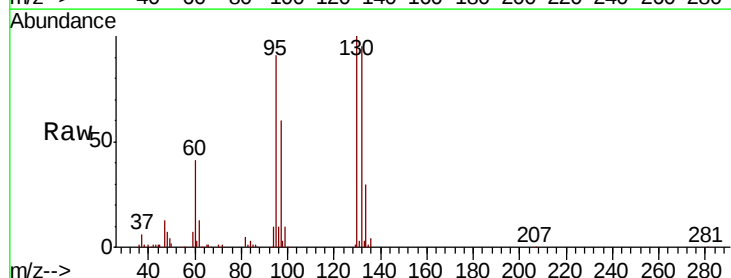
RT: 8.84 min Scan# 2198

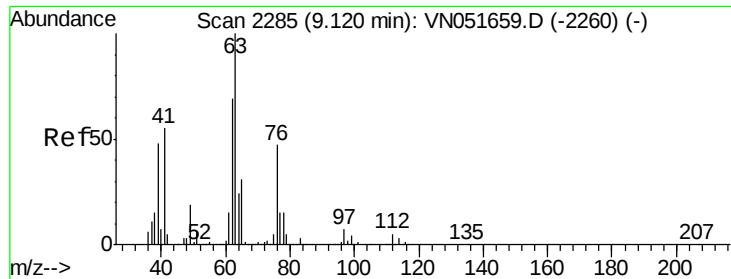
Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Tgt Ion:	130	Resp:	155700
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	188.0





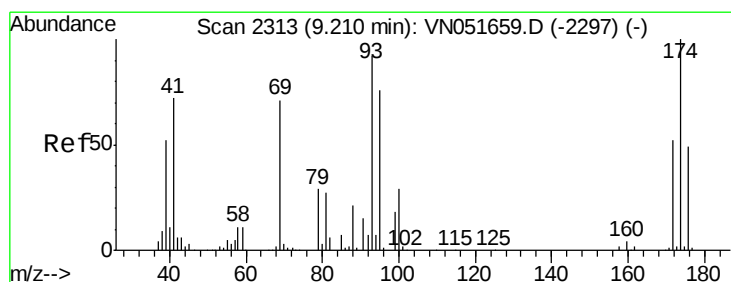
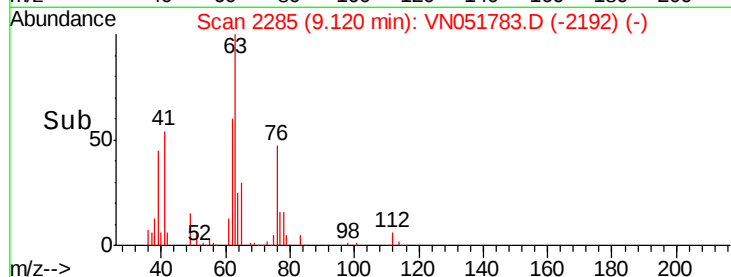
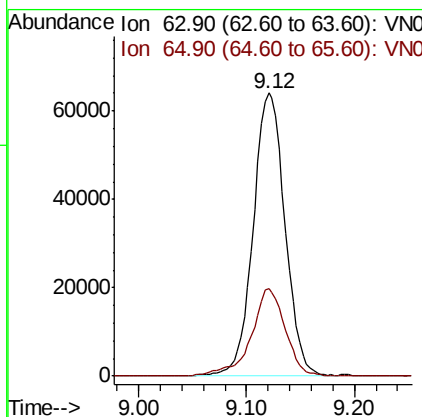
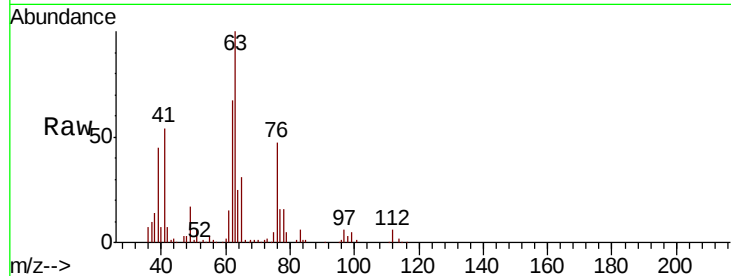
#45
 1,2-Dichloropropane
 Concen: 19.096 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.0	37.4

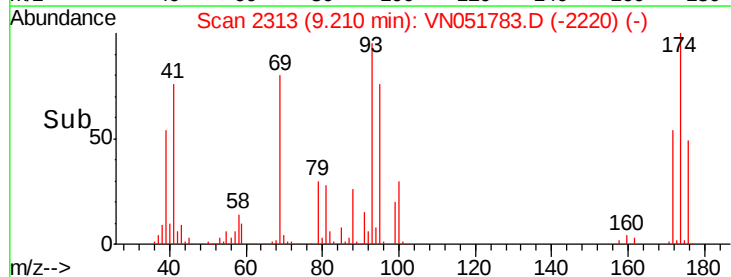
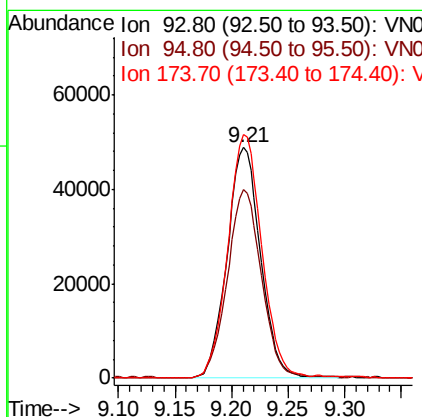
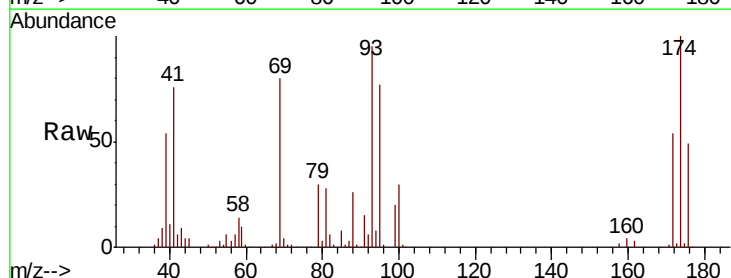
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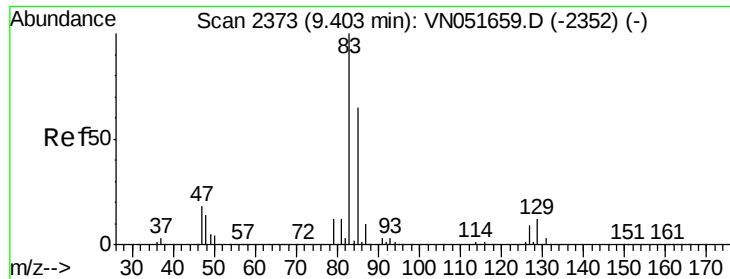
MMDadoda
 10/11/2018 5:51:15 PM



#46
 Dibromomethane
 Concen: 21.128 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	100.0
174	106.9	85.9	128.9





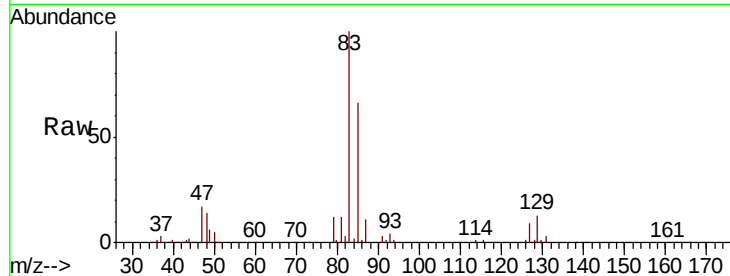
#47
Bromodichloromethane
Concen: 18.896 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

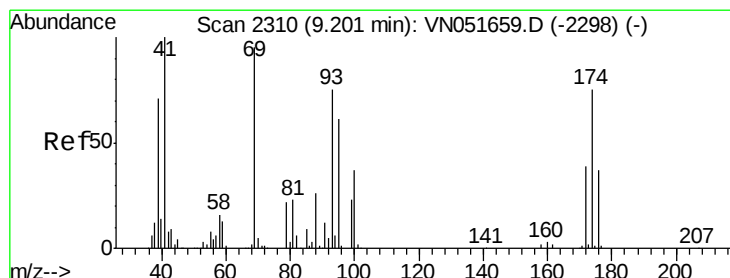
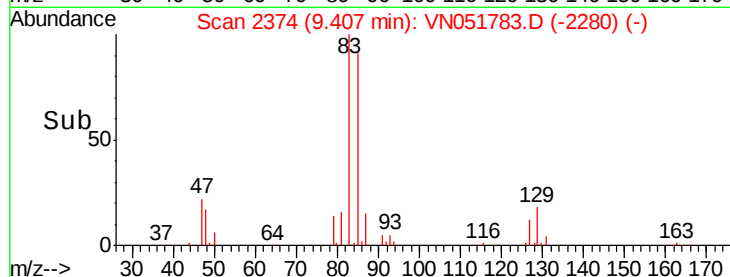
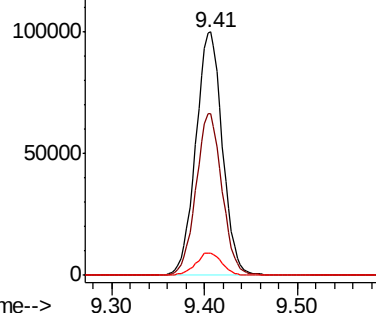
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.5	51.6	77.4	
127	9.0	7.3	10.9	

Manual Integrations
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10/11/2018 5:51:15 PM

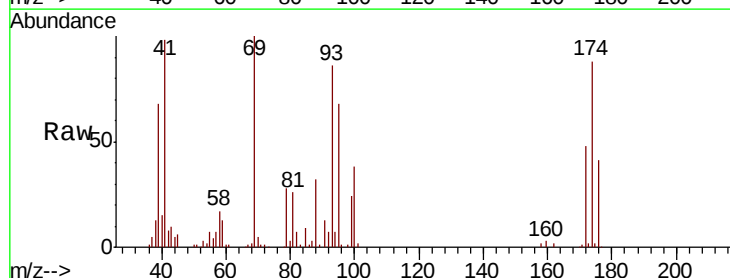


Abundance Ion 82.90 (82.60 to 83.60): VN051659.D (-2352) (-)
Ion 84.90 (84.60 to 85.60): VN051659.D (-2352) (-)
Ion 126.80 (126.50 to 127.50): VN051659.D (-2352) (-)

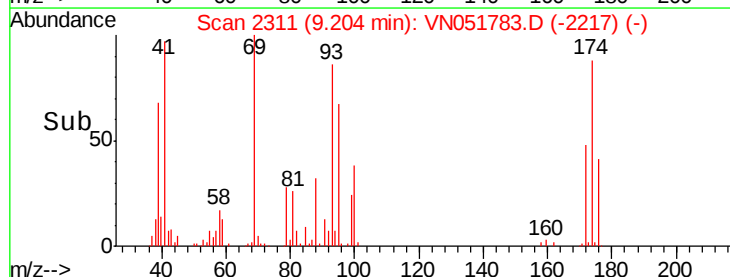
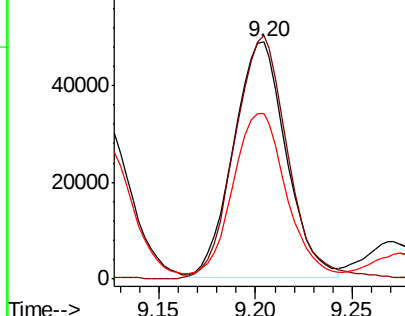


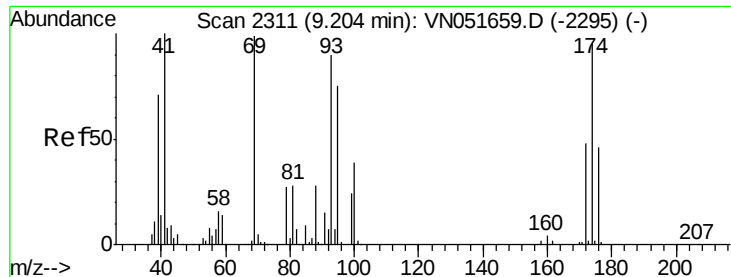
#48
Methyl methacrylate
Concen: 19.840 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	104.9	78.6	118.0	
39	71.9	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN051659.D (-2298) (-)
Ion 69.00 (68.70 to 69.70): VN051659.D (-2298) (-)
Ion 39.00 (38.70 to 39.70): VN051659.D (-2298) (-)





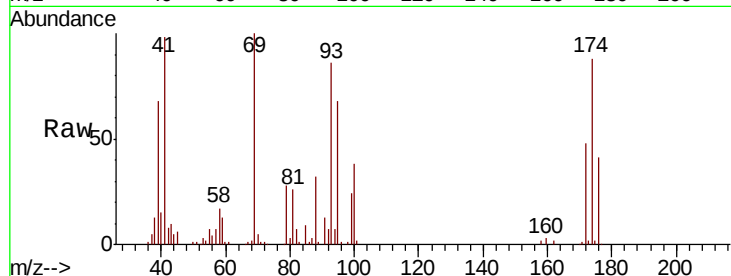
#49
1,4-Dioxane
Concen: 452.622 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	24.5	36.7
58	56.1	47.6	71.4

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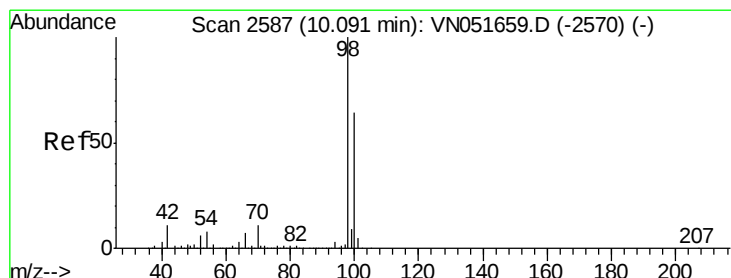
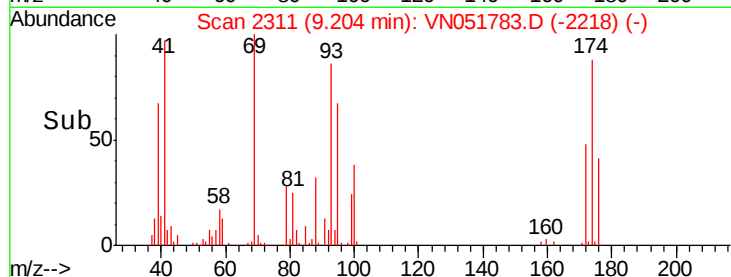
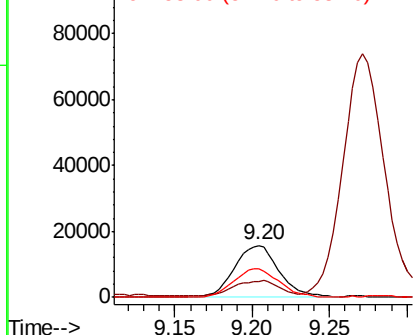


Abundance

Ion 88.00 (87.70 to 88.70): VN051783.D (-2218) (-)

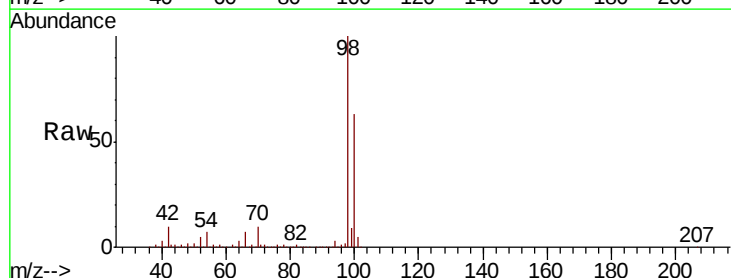
Ion 43.00 (42.70 to 43.70): VN051783.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN051783.D (-2218) (-)



#50
Toluene-d8
Concen: 452.622 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

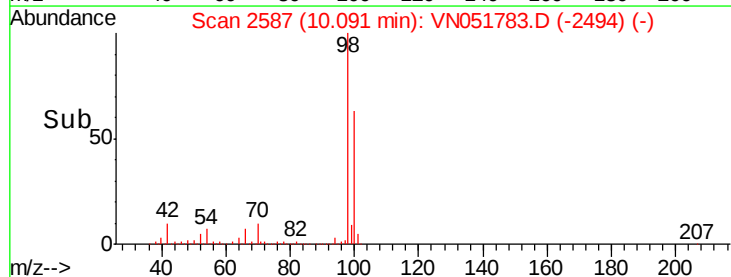
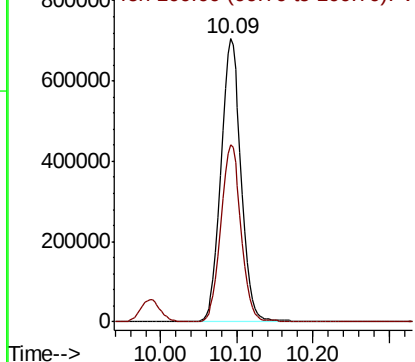
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3

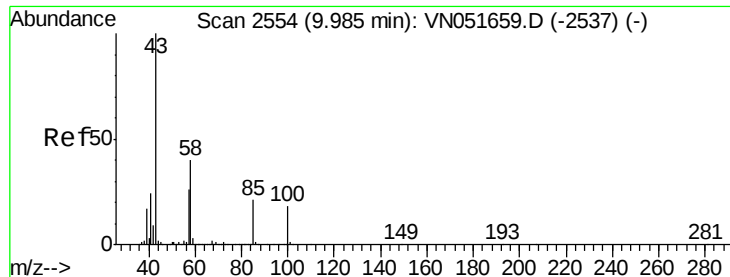


Abundance

Ion 98.00 (97.70 to 98.70): VN051783.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051783.D (-2494) (-)





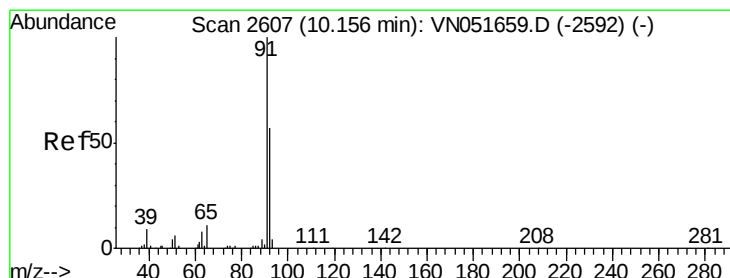
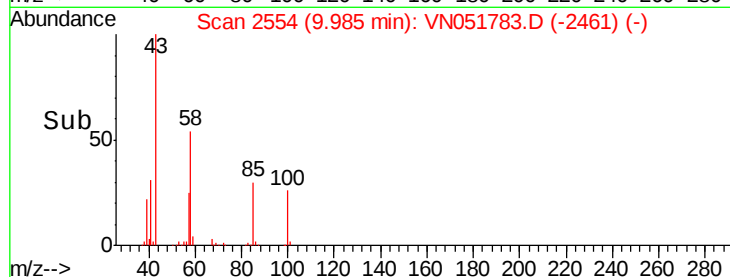
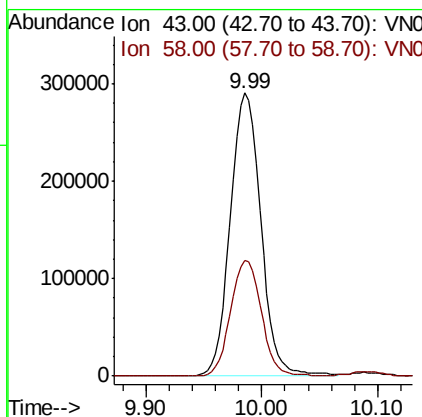
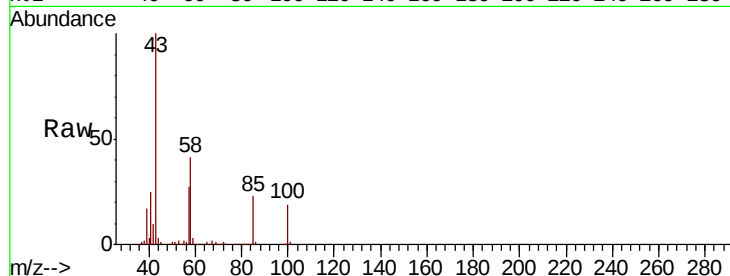
#51
4-Methyl-2-Pentanone
Concen: 102.705 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.2	48.2

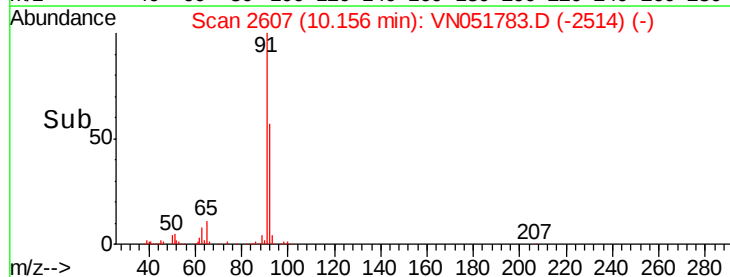
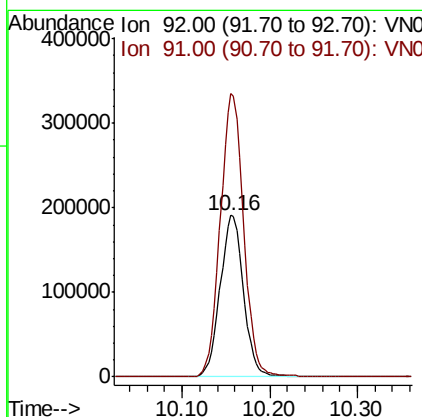
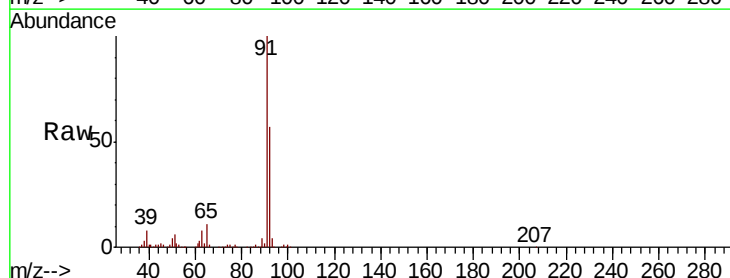
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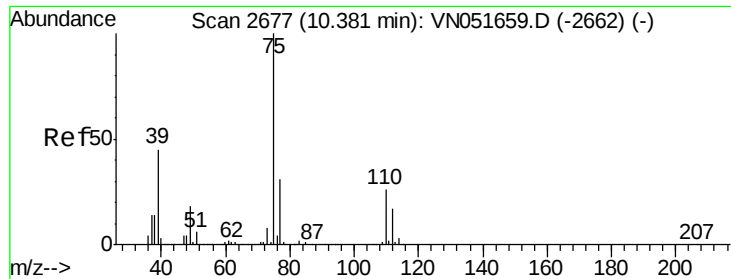
MMDadoda
10/11/2018 5:51:15 PM



#52
Toluene
Concen: 19.247 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	140.3	210.5





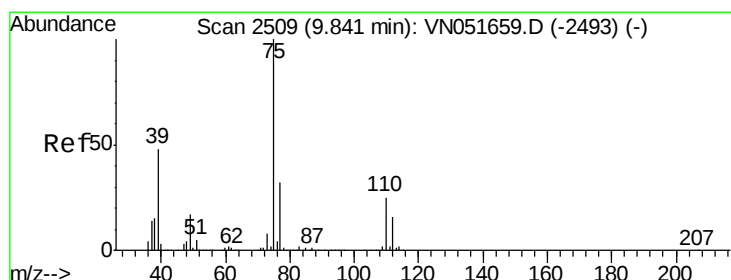
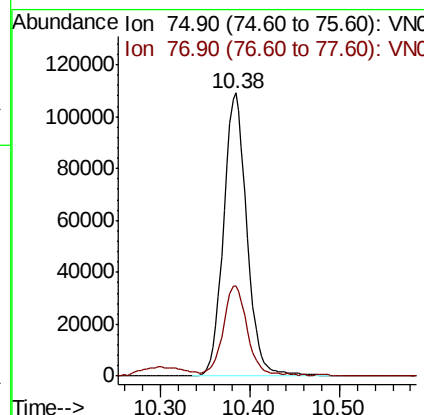
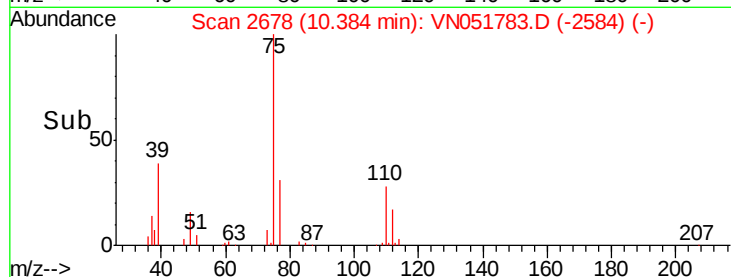
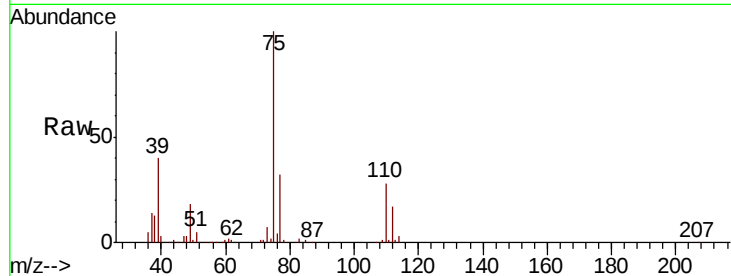
#53
t-1,3-Dichloropropene
Concen: 18.291 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion: 75 Resp: 197956
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

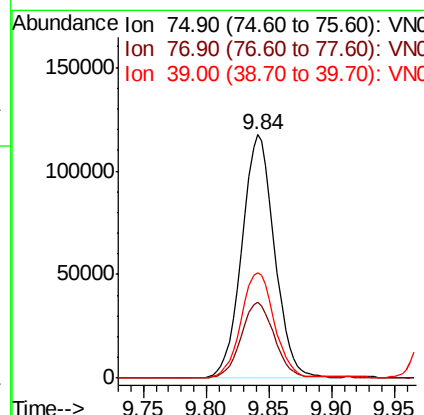
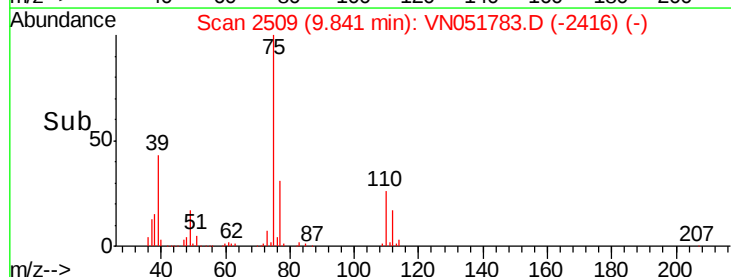
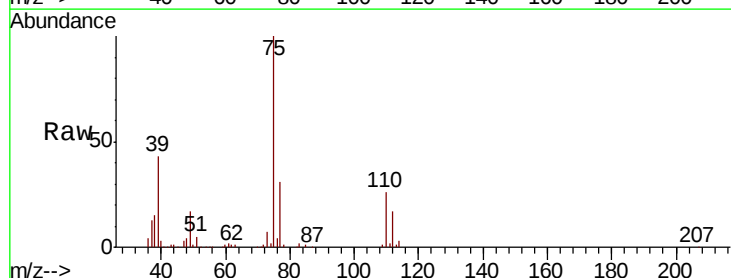
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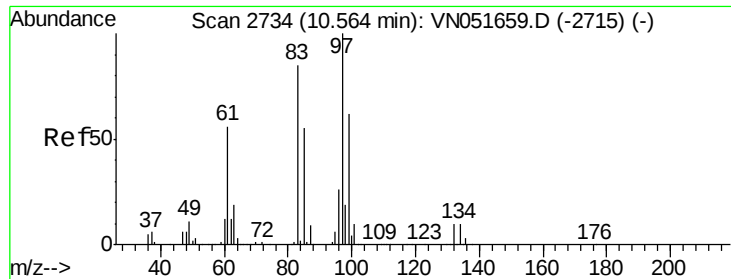
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#54
cis-1,3-Dichloropropene
Concen: 18.546 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion: 75 Resp: 213148
Ion Ratio Lower Upper
75 100
77 31.0 25.7 38.5
39 43.5 38.1 57.1





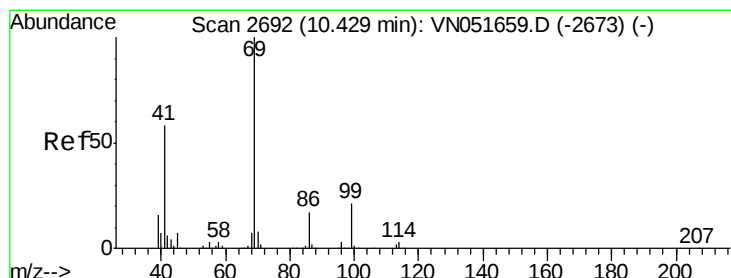
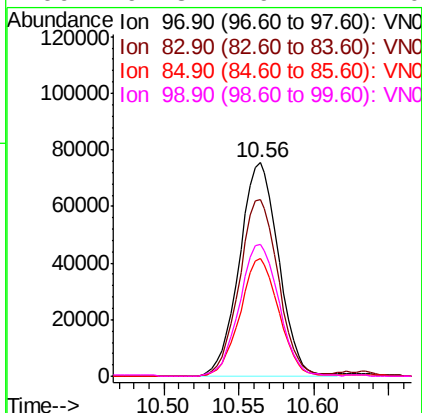
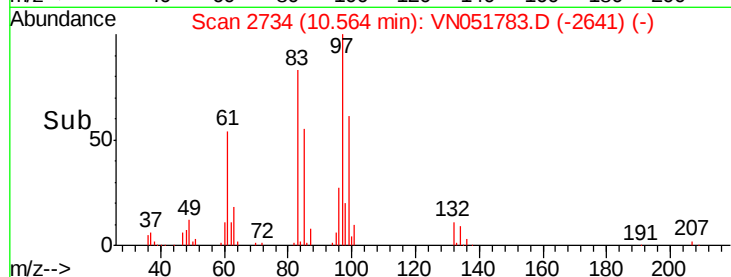
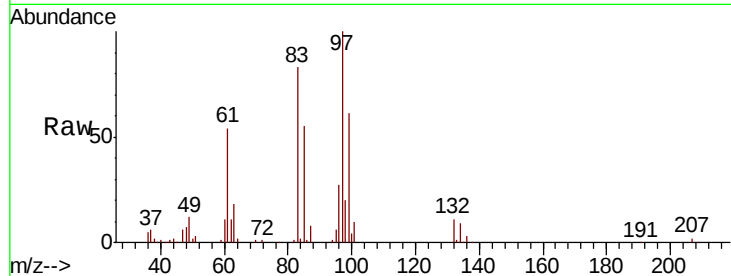
#55
 1,1,2-Trichloroethane
 Concen: 21.030 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		138147		
83	82.8	68.1	102.1		
85	54.9	43.6	65.4		
99	61.3	49.4	74.0		

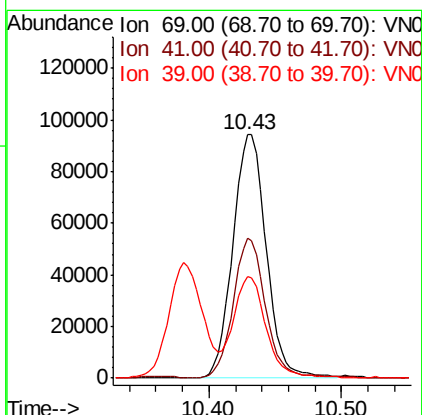
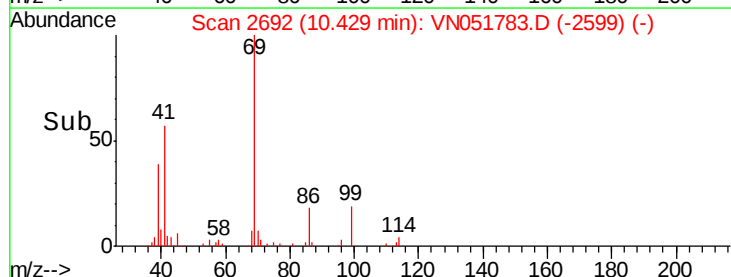
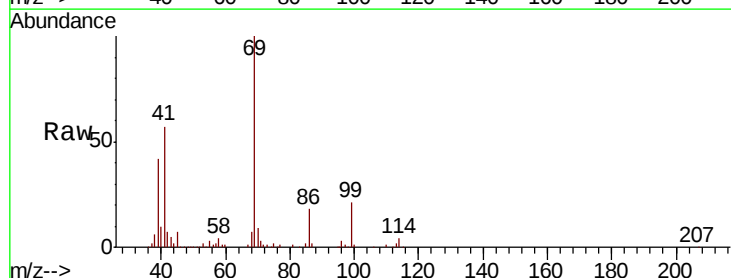
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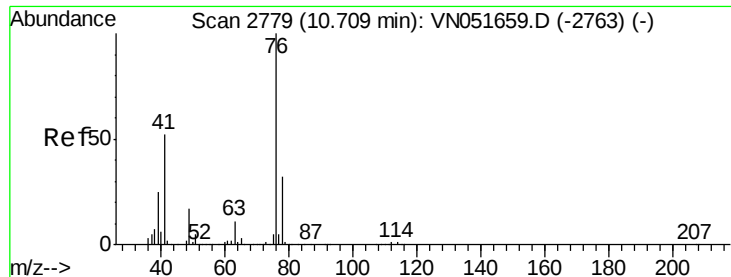
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 10/11/2018 5:51:15 PM



#56
 Ethyl methacrylate
 Concen: 19.891 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		165237		
41	54.6	46.4	69.6		
39	41.3	32.4	48.6		





#57

1,3-Dichloropropane

Concen: 20.691 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 76 Resp: 215117

Ion Ratio Lower Upper

76 100

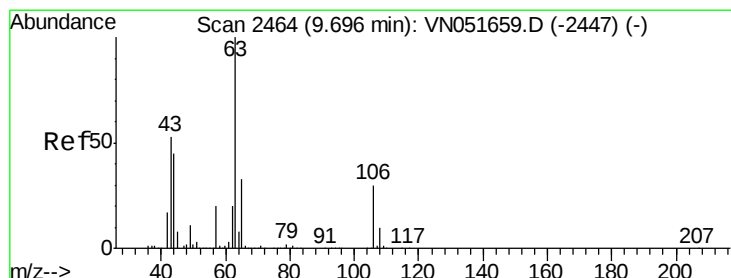
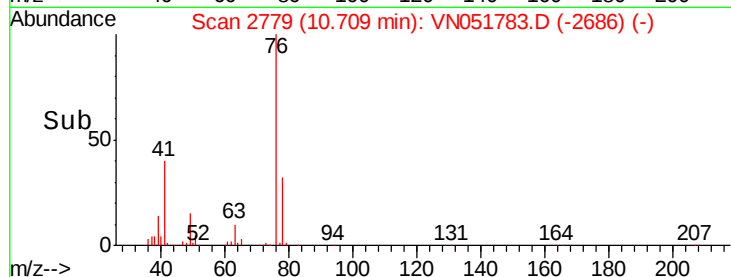
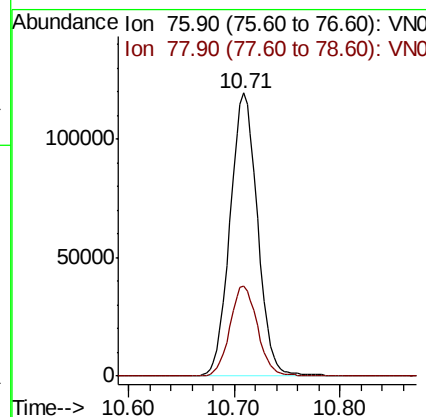
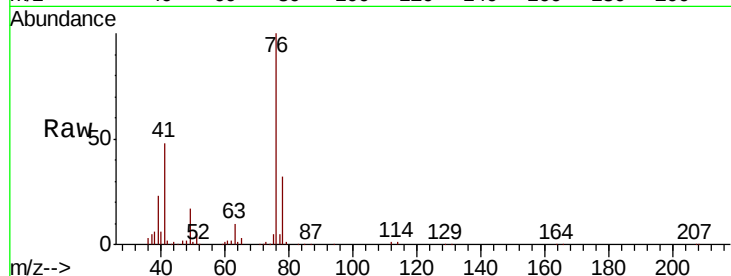
78 31.9 26.0 39.0

Manual Integrations

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10/11/2018 5:51:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.958 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051783.D

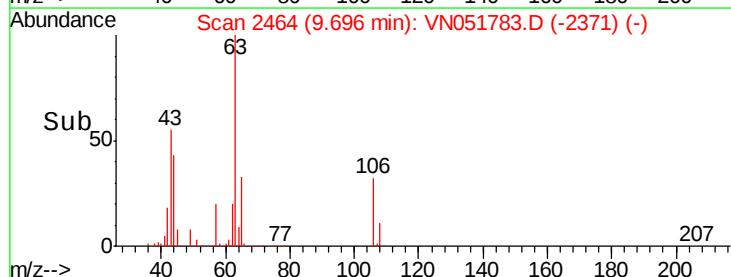
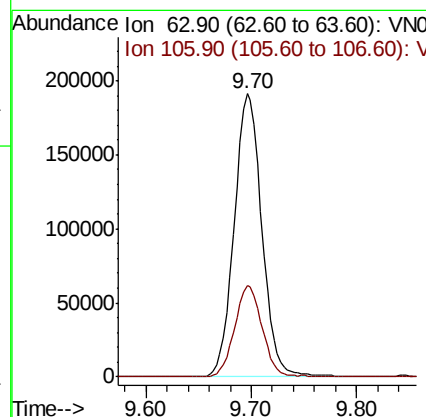
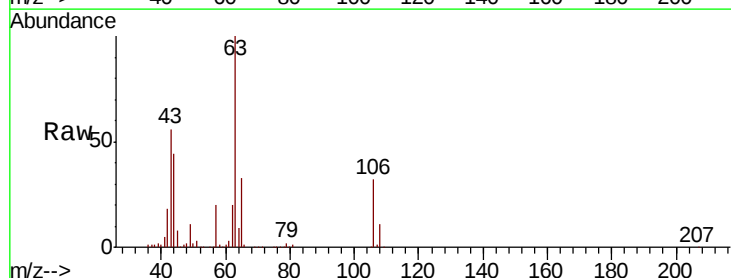
Acq: 10 Oct 2018 12:01

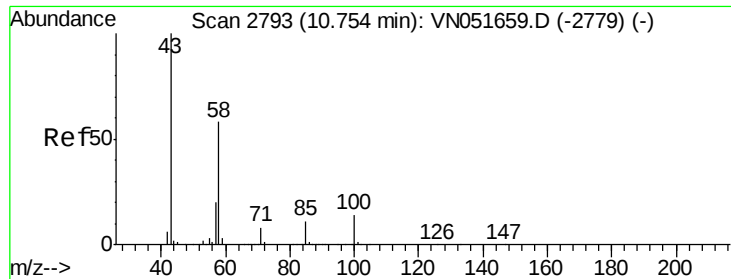
Tgt Ion: 63 Resp: 347098

Ion Ratio Lower Upper

63 100

106 32.2 24.3 36.5





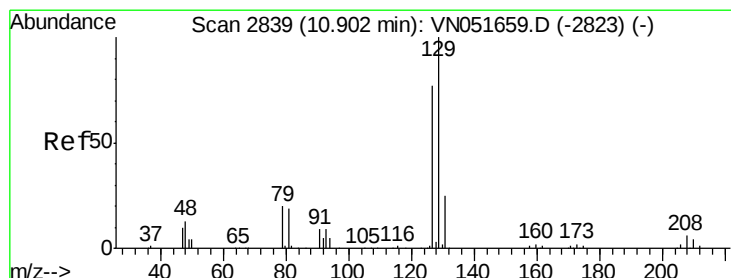
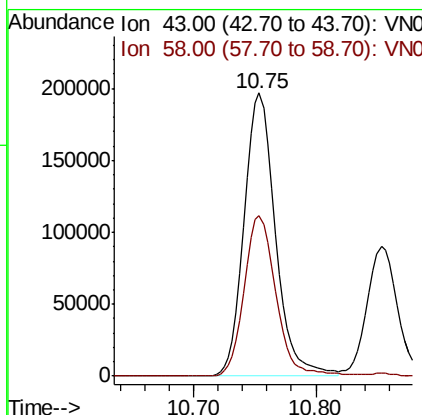
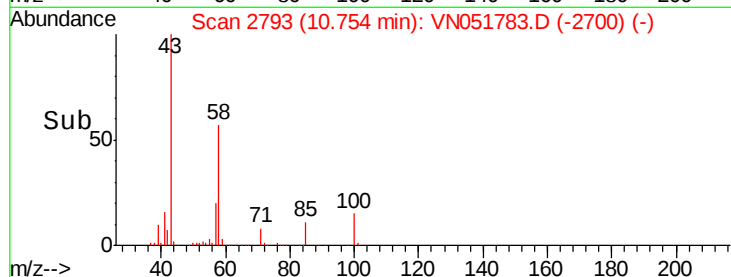
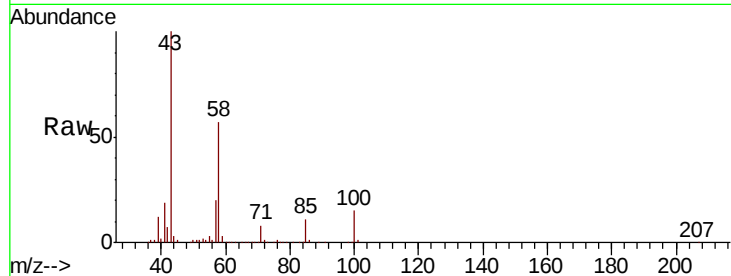
#59
2-Hexanone
Concen: 98.947 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion: 43 Resp: 346292
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.4

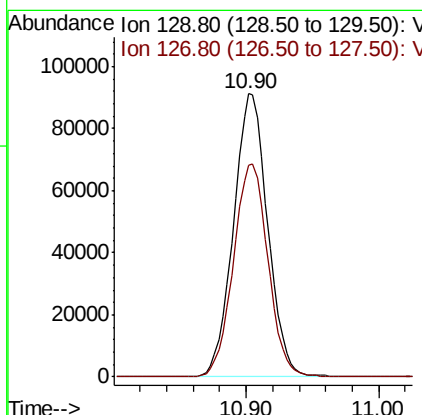
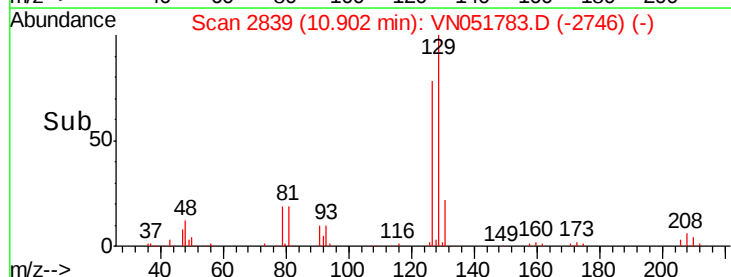
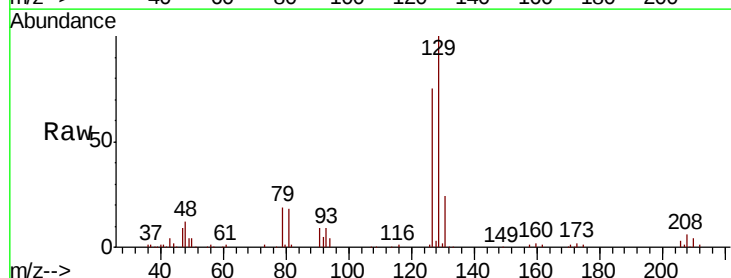
Manual Integrations
APPROVED

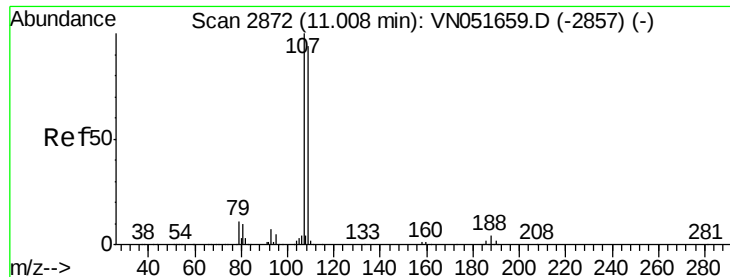
MMDadoda
10/11/2018 5:51:15 PM



#60
Dibromochloromethane
Concen: 19.025 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion: 129 Resp: 163549
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.549 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 107 Resp: 142698

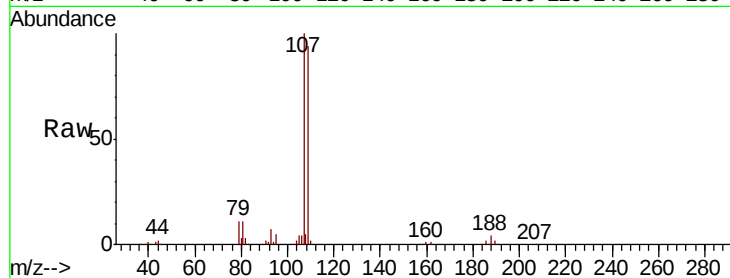
Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.0

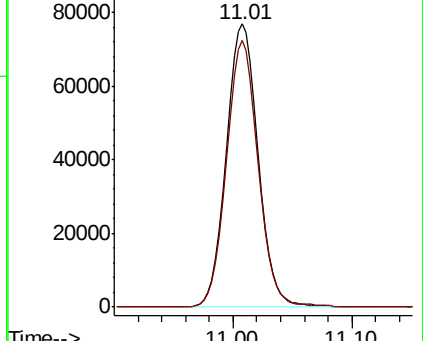
Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM

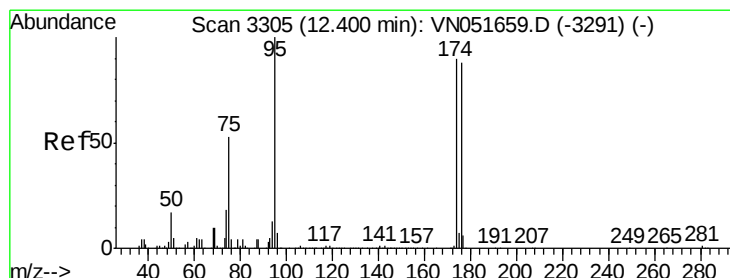
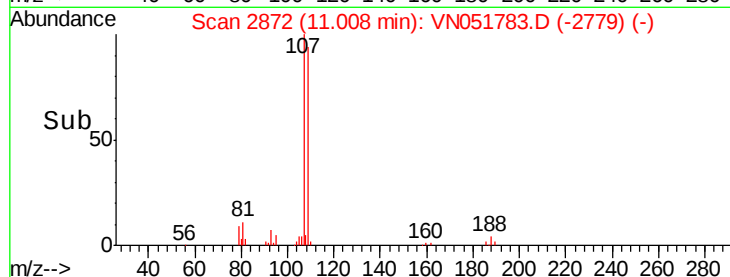


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 20.549 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

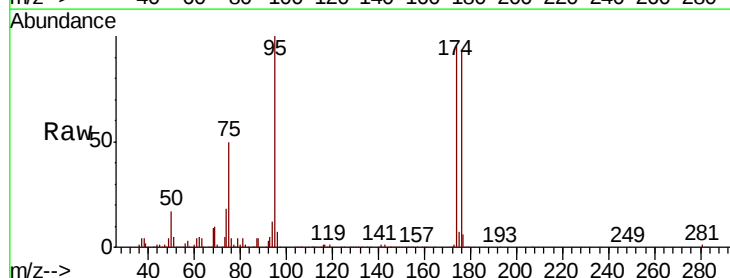
Tgt Ion: 95 Resp: 429183

Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.8

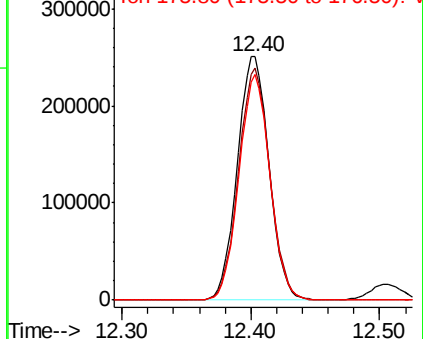
176 90.4 0.0 176.4



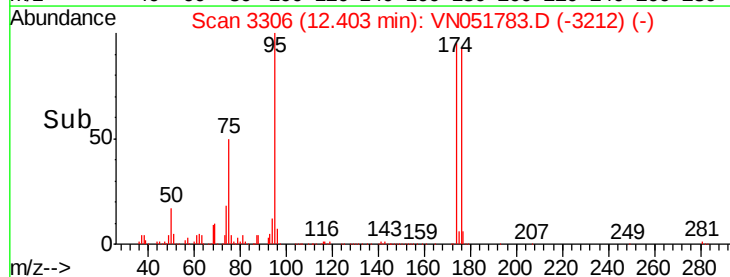
Abundance Ion 94.90 (94.60 to 95.60): V

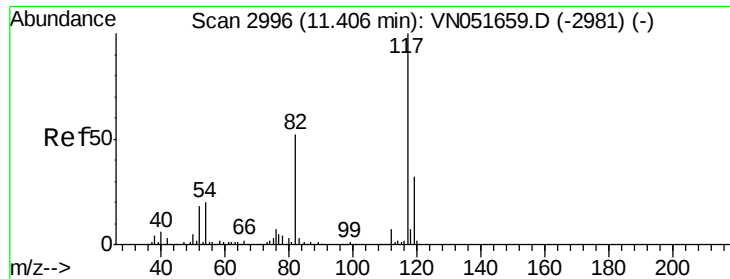
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





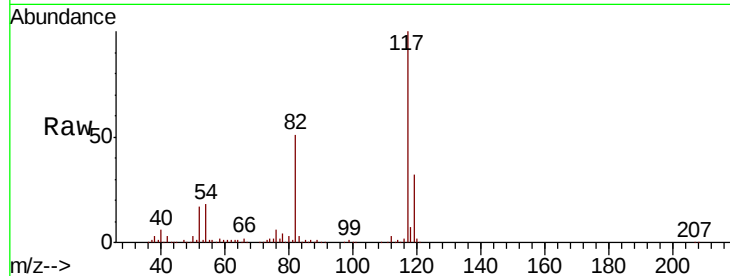
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.3	61.9
119	32.4	25.9	38.9

Manual Integrations
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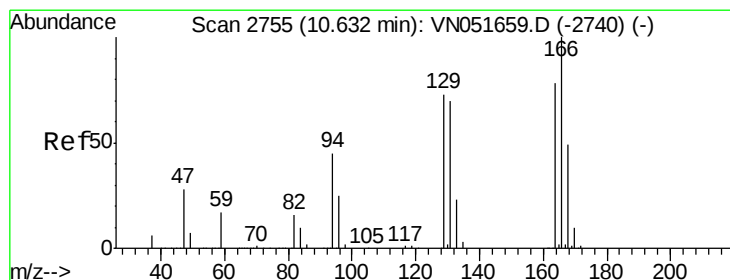
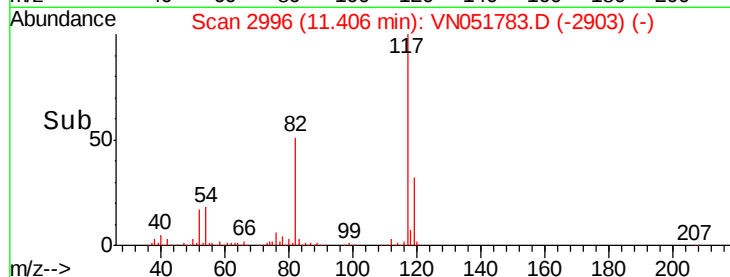
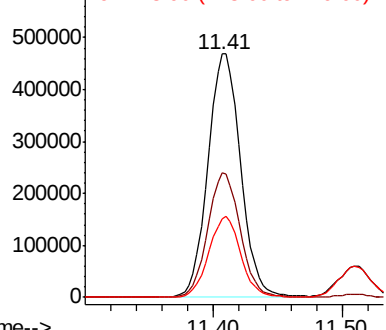


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.610 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.0	154.6
129	89.6	75.2	112.8
131	88.4	71.7	107.5

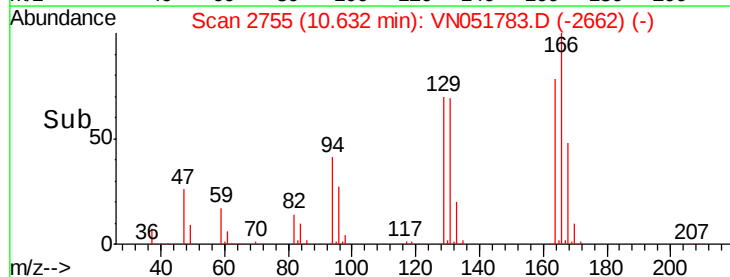
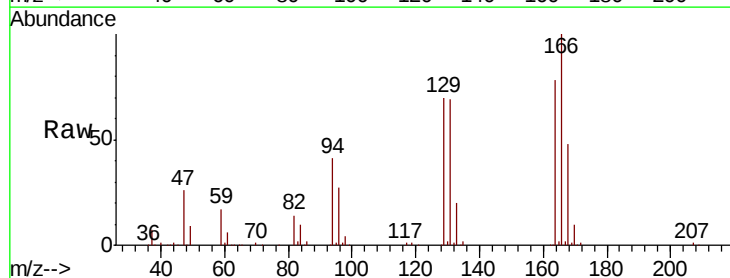
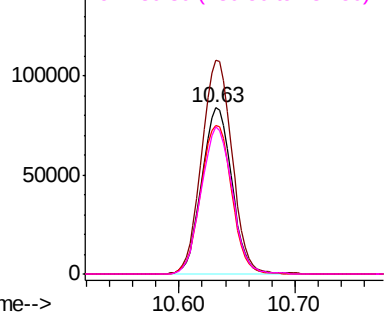
Abundance

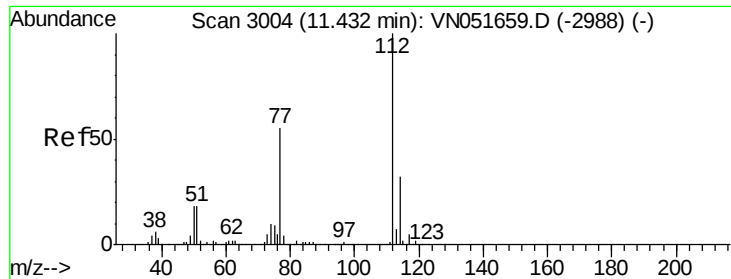
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





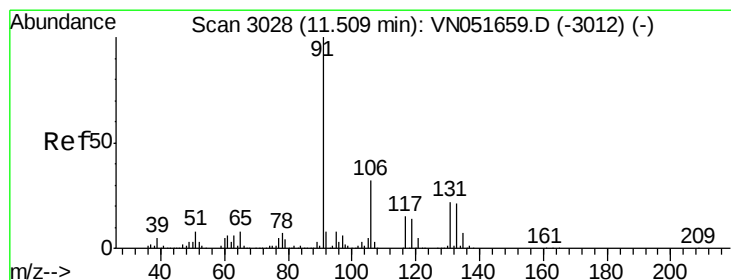
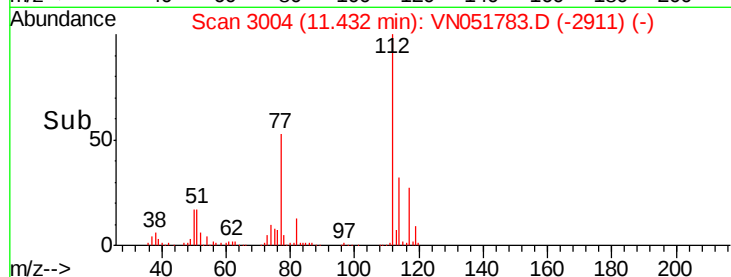
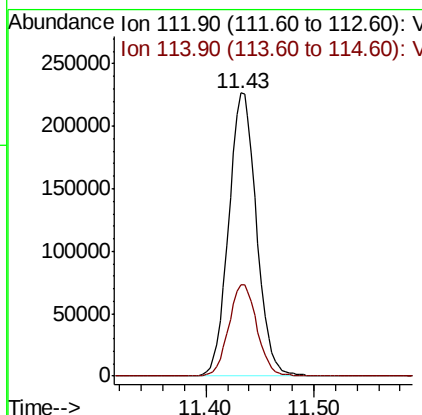
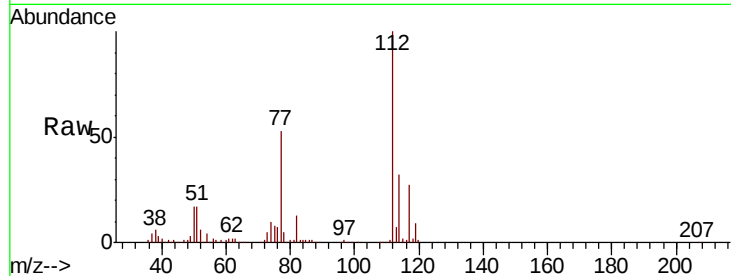
#65
Chlorobenzene
Concen: 19.753 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

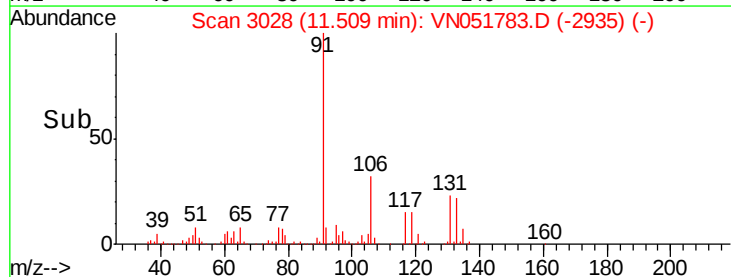
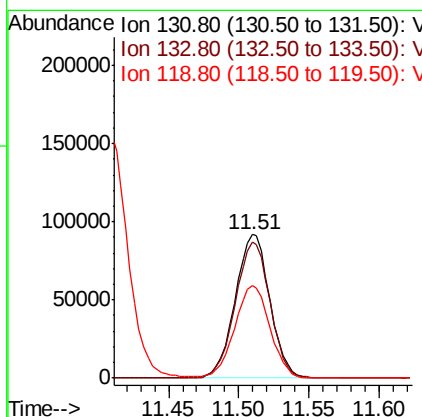
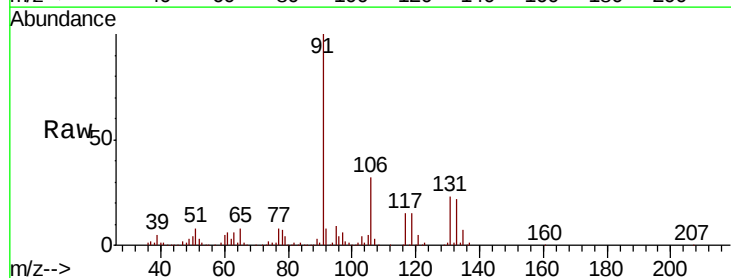
Manual Integrations
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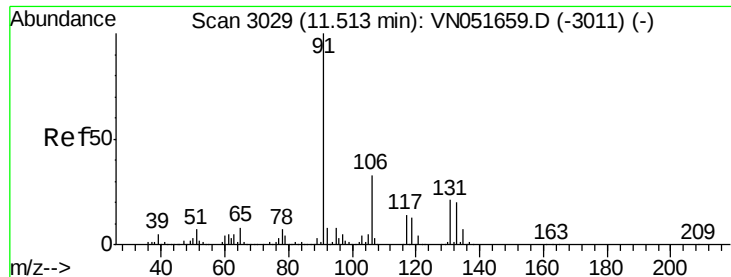
MMDadoda
10/11/2018 5:51:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.261 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.6	142.8
119	66.0	32.0	96.0





#67

Ethyl Benzene

Concen: 19.307 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VN1010MBS02

Tot Ion: 91 Resp: 684077

Ion Ratio Lower Upper

91 100

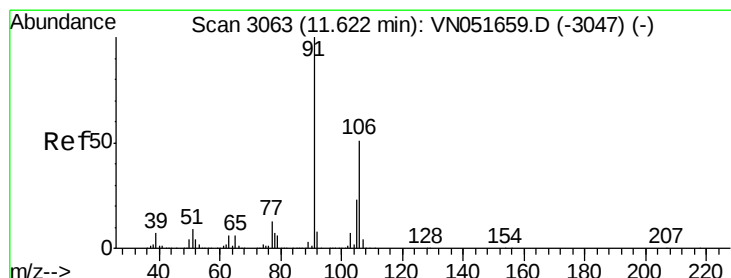
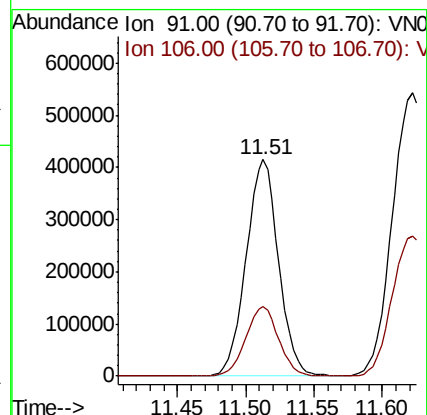
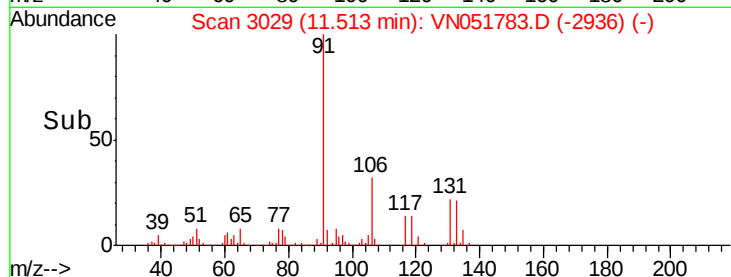
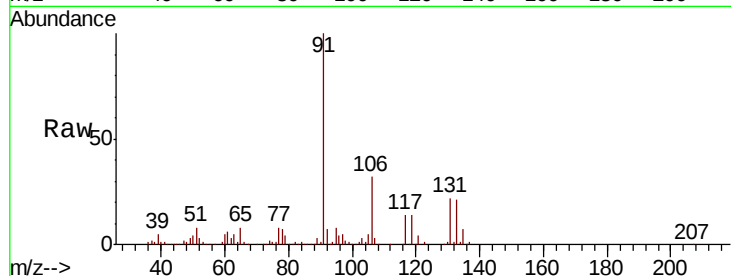
106 32.2 26.0 39.0

Manual Integrations

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10/11/2018 5:51:15 PM



#68

m/p-Xylenes

Concen: 37.599 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051783.D

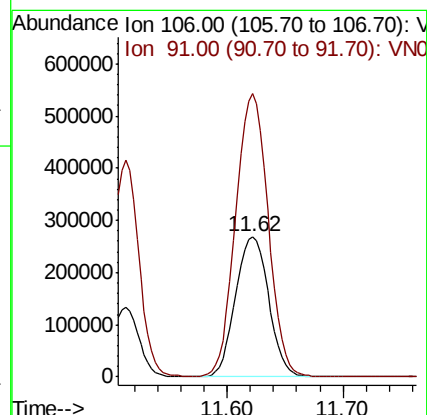
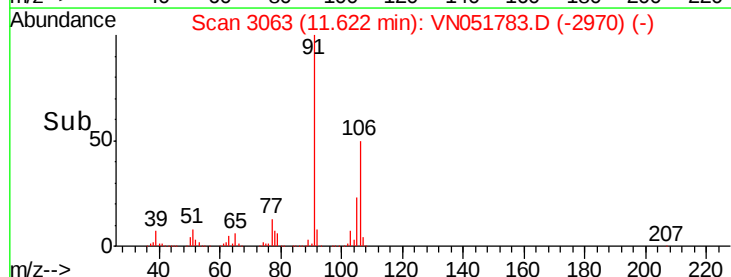
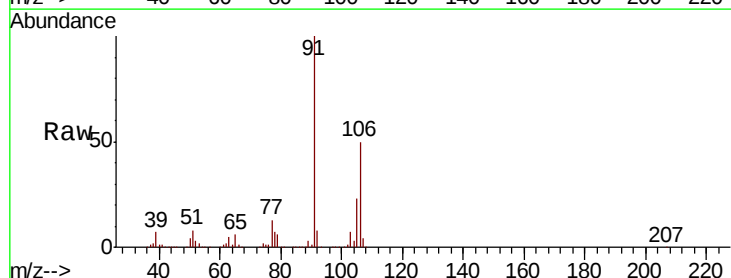
Acq: 10 Oct 2018 12:01

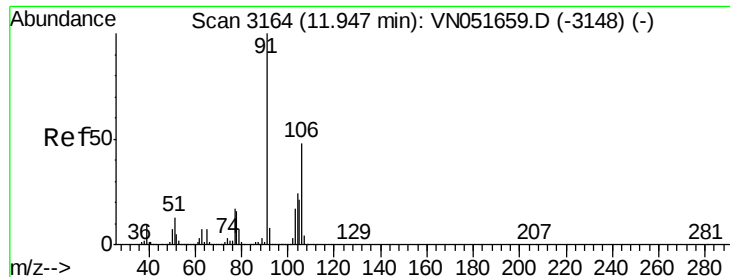
Tgt Ion: 106 Resp: 533033

Ion Ratio Lower Upper

106 100

91 198.1 158.4 237.6





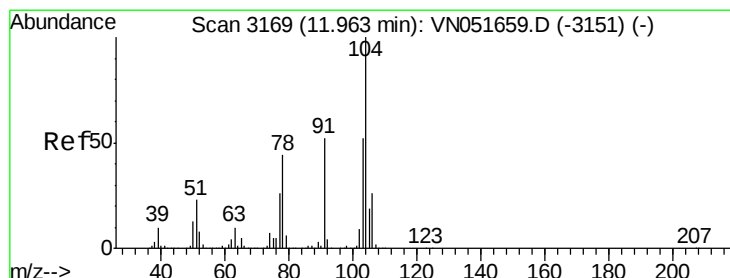
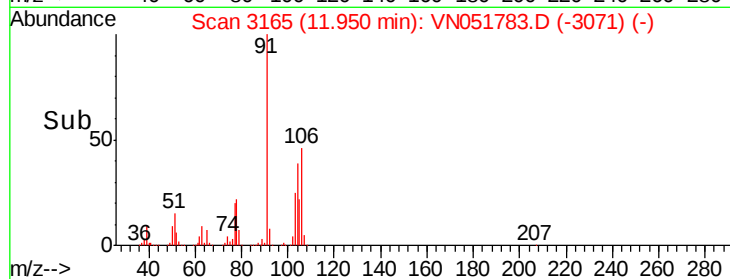
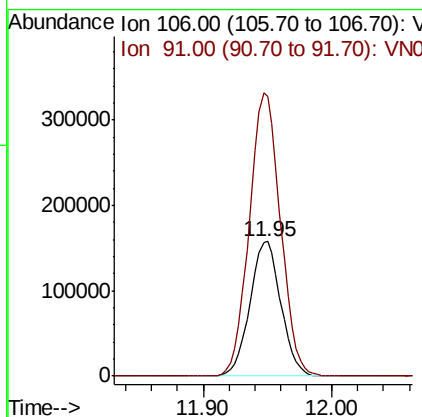
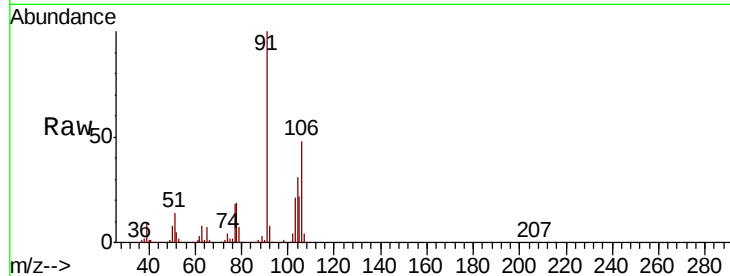
#69
o-Xylene
Concen: 19.012 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	104.4	313.2	

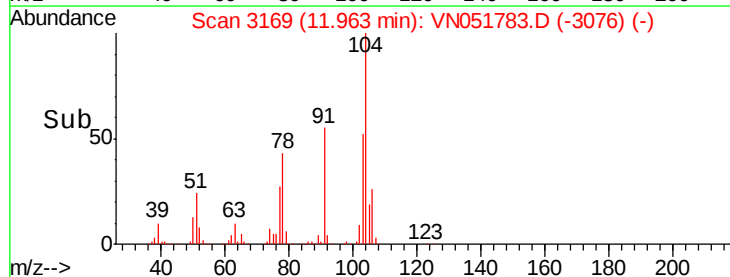
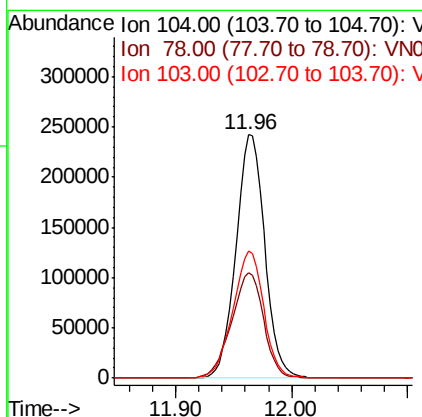
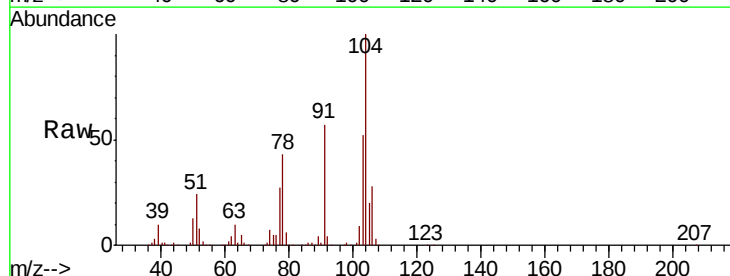
Manual Integrations
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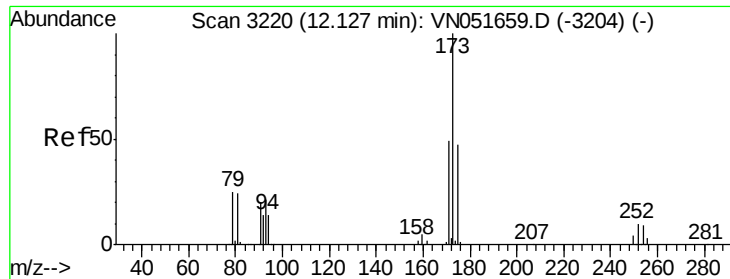
MMDadoda
10/11/2018 5:51:15 PM



#70
Styrene
Concen: 18.753 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	39.3	58.9	
103	56.1	45.0	67.6	





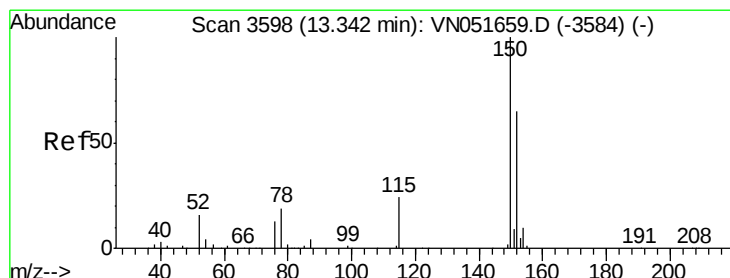
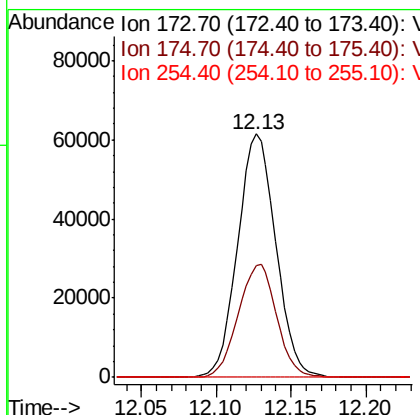
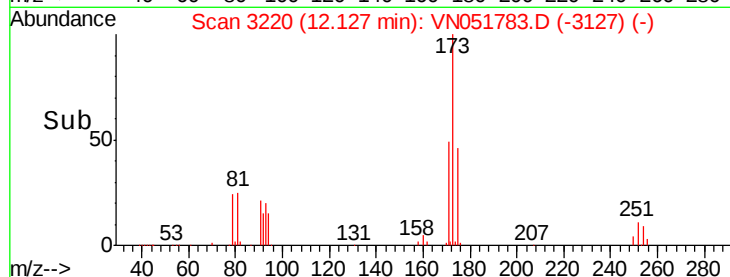
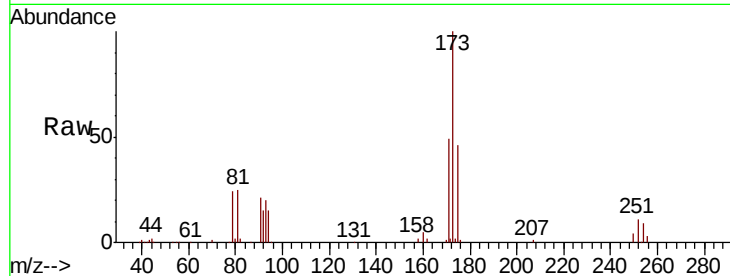
#71
Bromoform
Concen: 17.861 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.0	72.0
254	0.0	0.1	0.1#

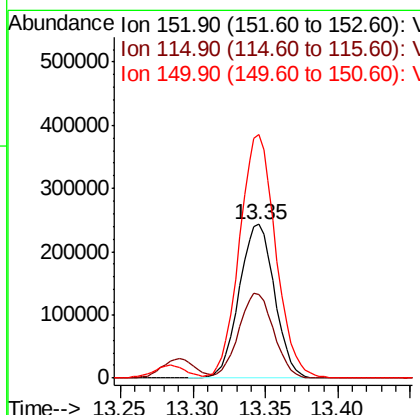
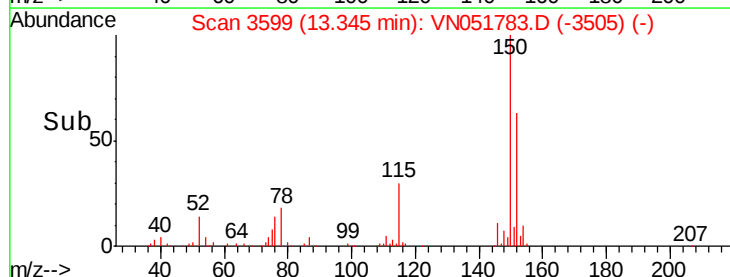
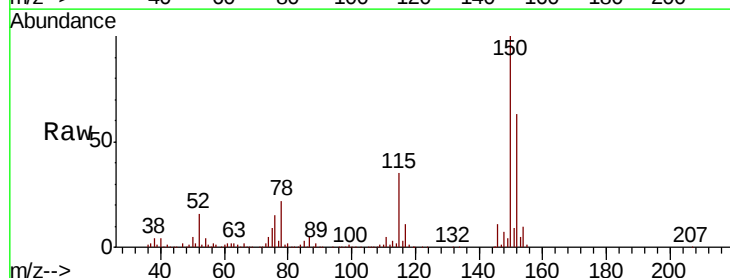
Manual Integrations
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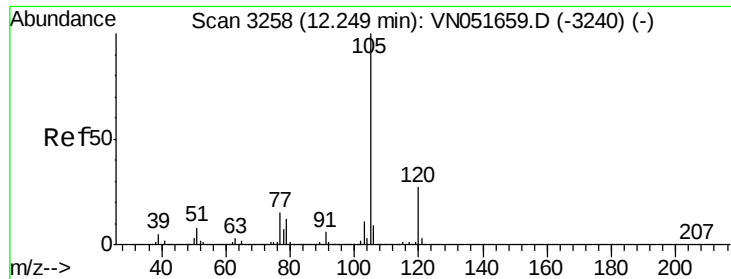
MMDadoda
10/11/2018 5:51:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.6	85.8
150	162.3	0.0	352.4





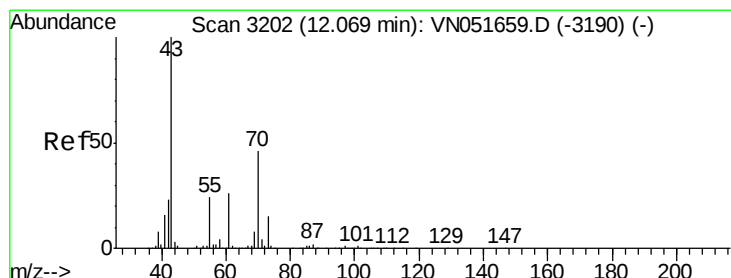
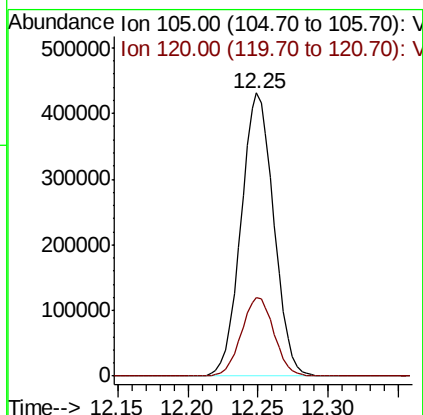
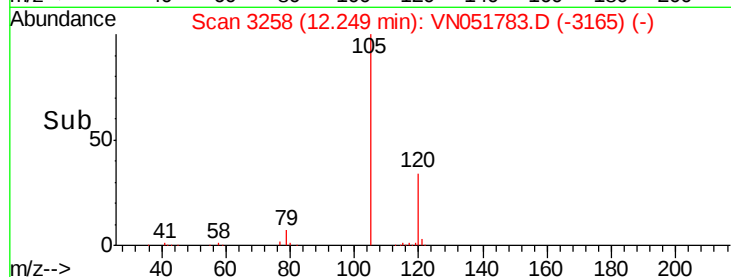
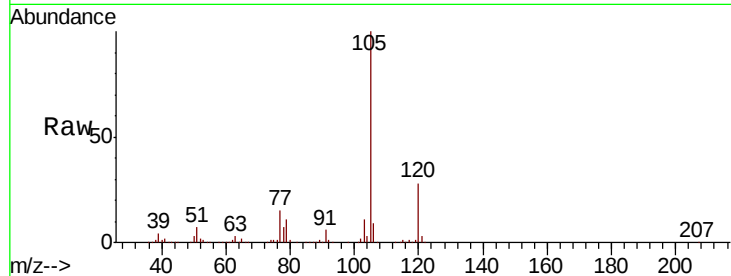
#73
Isopropylbenzene
Concen: 19.926 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.9	41.6

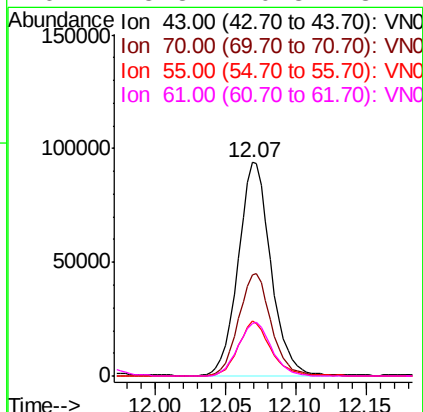
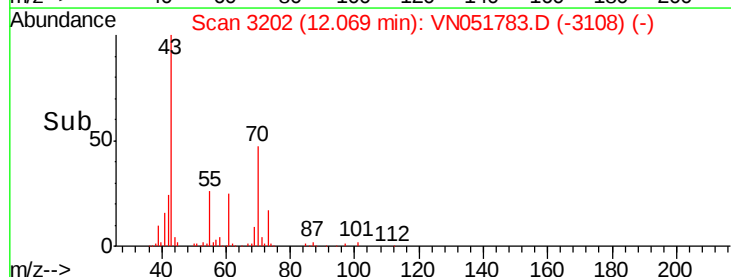
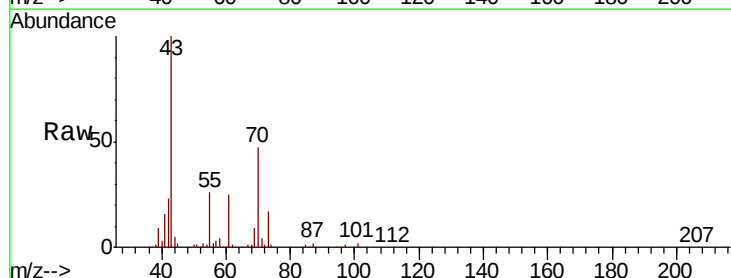
Manual Integrations
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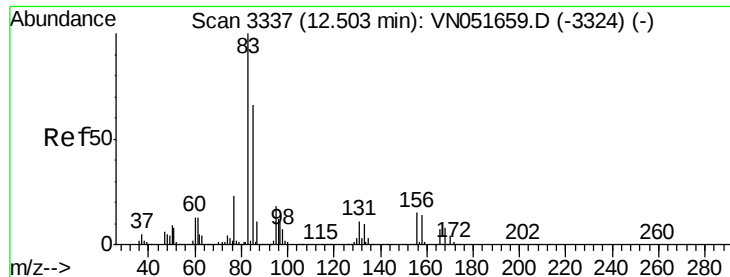
MMDadoda
10/11/2018 5:51:15 PM



#74
N-ethyl acetate
Concen: 18.839 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.0	37.1	55.7
55	25.3	19.1	28.7
61	25.8	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.112 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

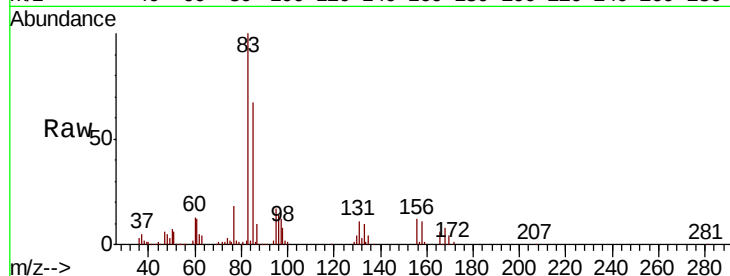
ClientSampleId :

VN1010MBS02

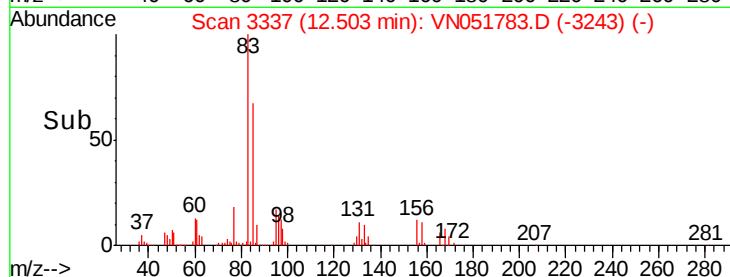
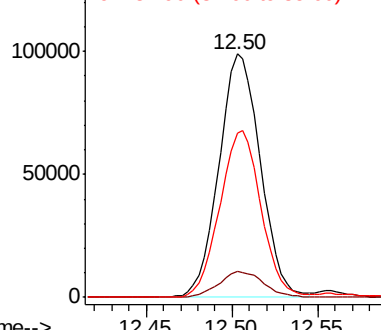
Tot Ion:	83	Resp:	165417
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	68.0	33.0	98.9

Manual Integrations
APPROVED

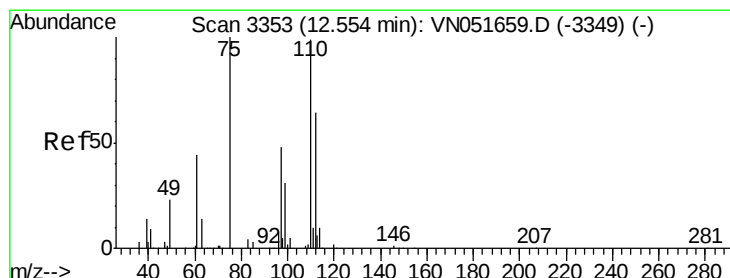
MMDadoda
10/11/2018 5:51:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051783.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.895 ug/l m

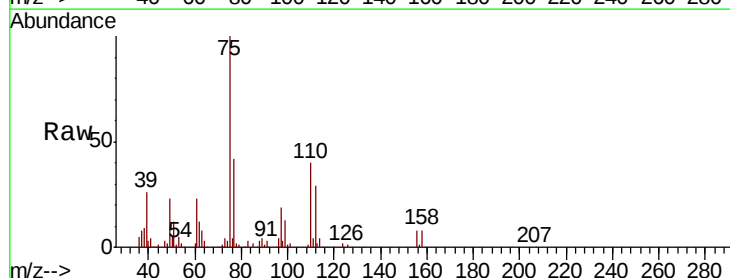
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

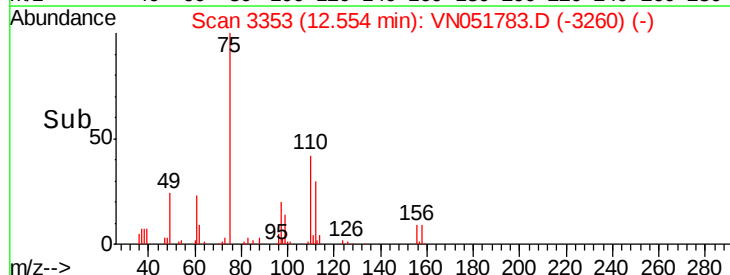
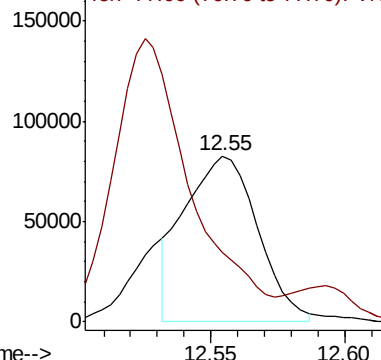
Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

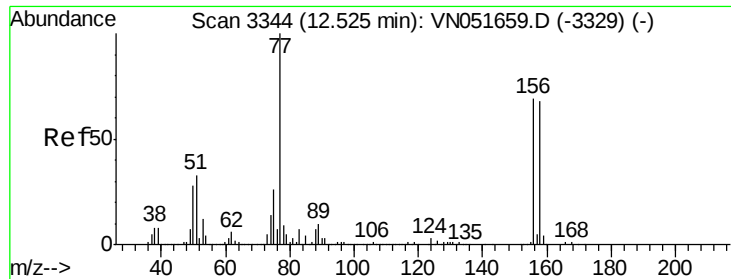
Tgt Ion:	75	Resp:	156923
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051783.D (-3260) (-)



Time-->



#77

Bromobenzene

Concen: 21.203 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051783.D

Acq: 10 Oct 2018 12:01

Instrument :

MSVOA_N

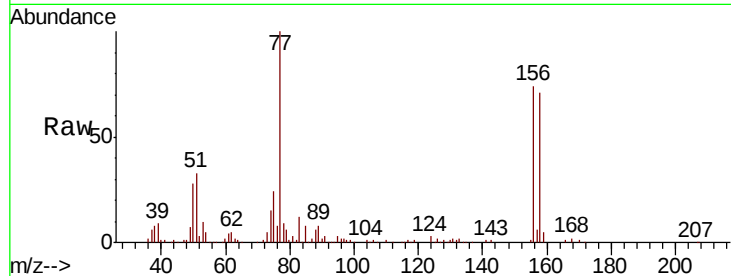
ClientSampleId :

VN1010MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		182237		
77	157.7	83.2	249.4		
158	95.6	49.0	147.2		

Manual Integrations
APPROVED

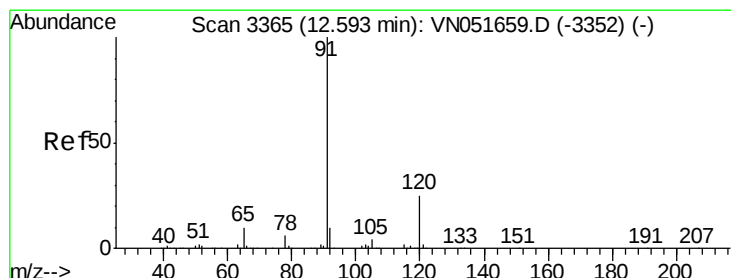
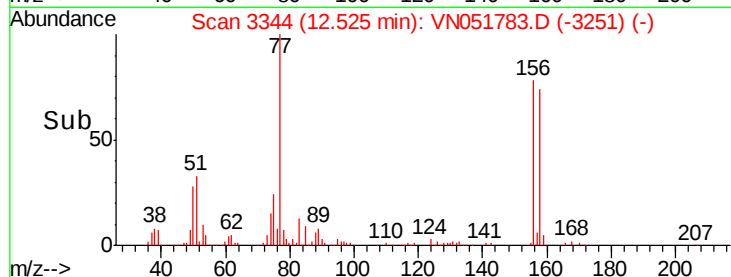
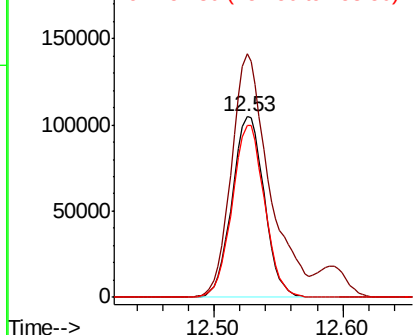
MMDadoda
10/11/2018 5:51:15 PM



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: 19.527 ug/l

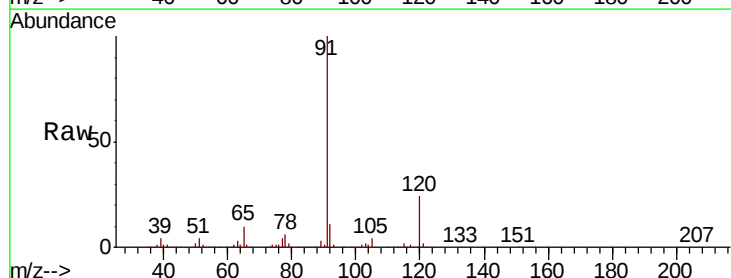
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051783.D

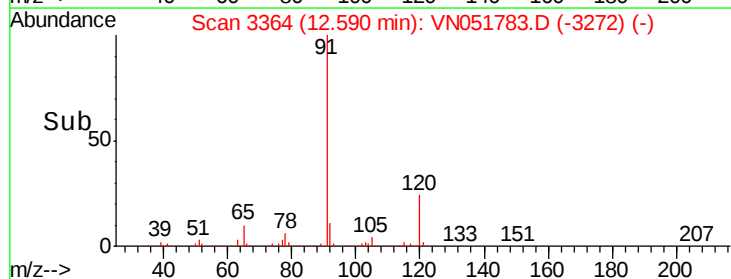
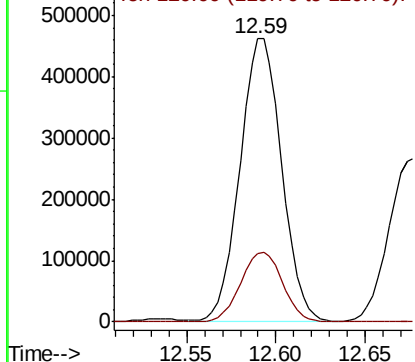
Acq: 10 Oct 2018 12:01

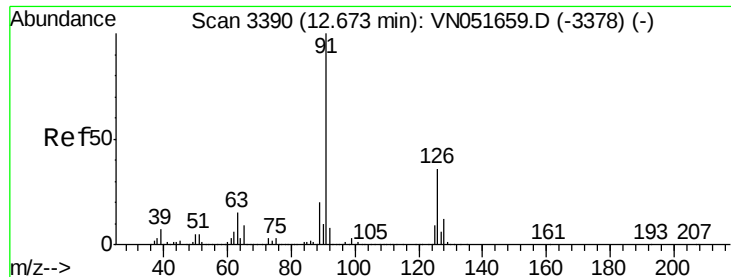
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		748679		
120	25.0	12.4	37.2		



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





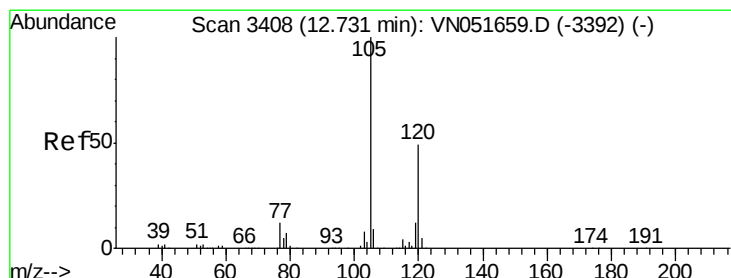
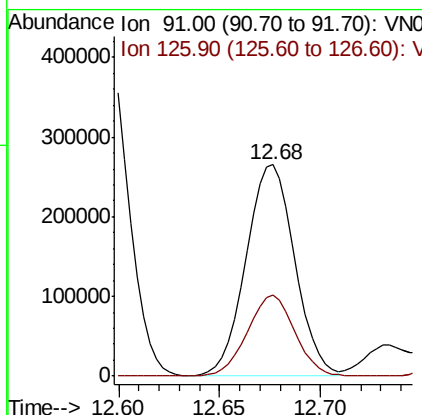
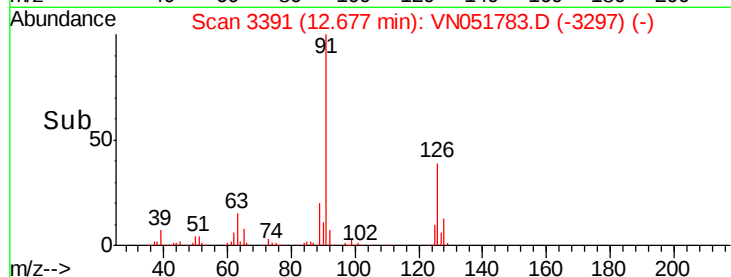
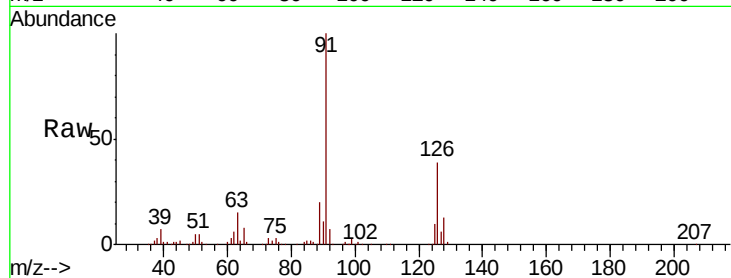
#79
 2-Chlorotoluene
 Concen: 19.759 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion: 91 Resp: 446467
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.5 55.5

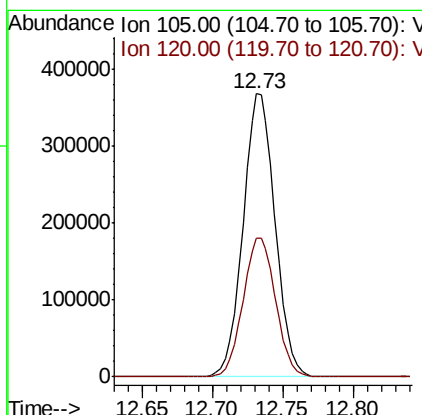
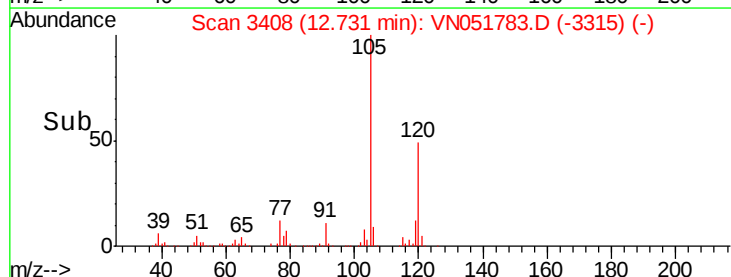
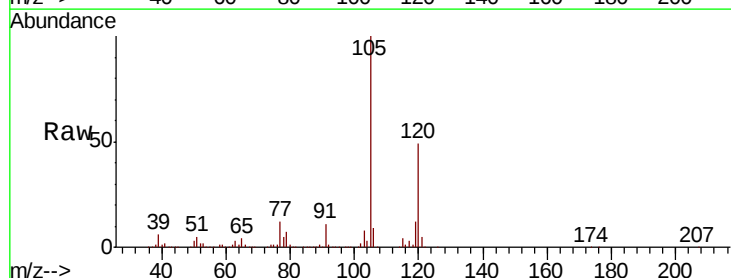
Manual Integrations
 APPROVED

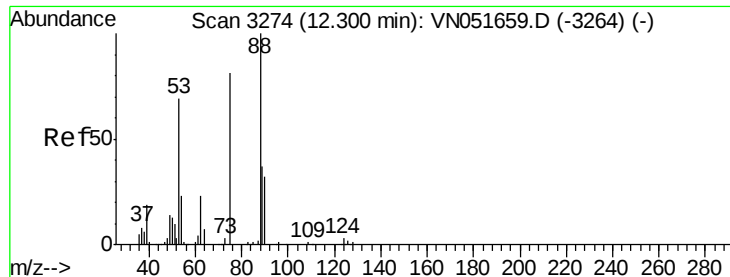
MMDadoda
 10/11/2018 5:51:15 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.664 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion: 105 Resp: 582515
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 74.0





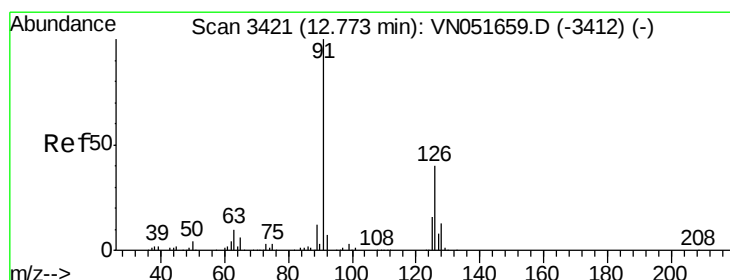
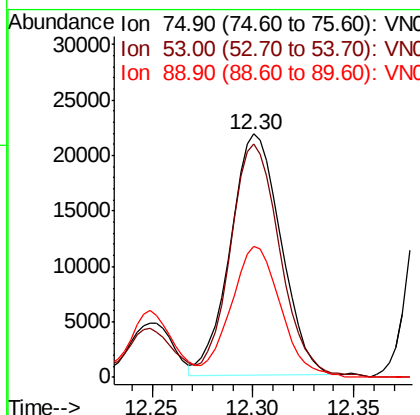
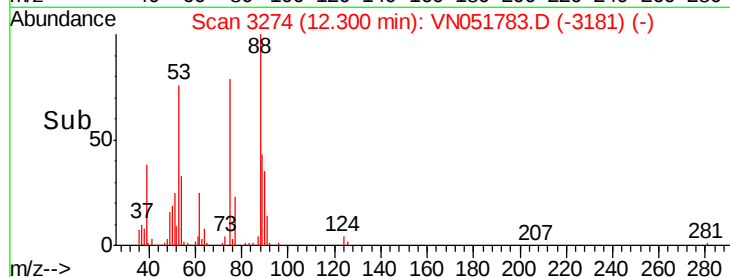
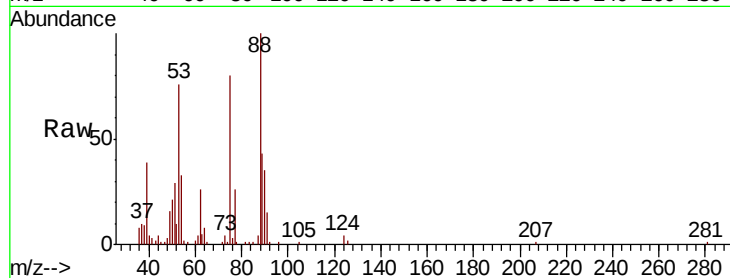
#81
trans-1,4-Dichloro-2-butene
Concen: 17.088 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	68.6	102.8
89	52.9	39.4	59.2

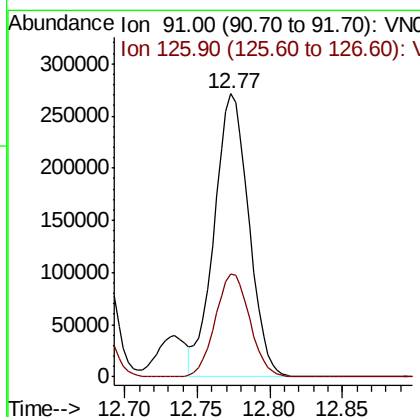
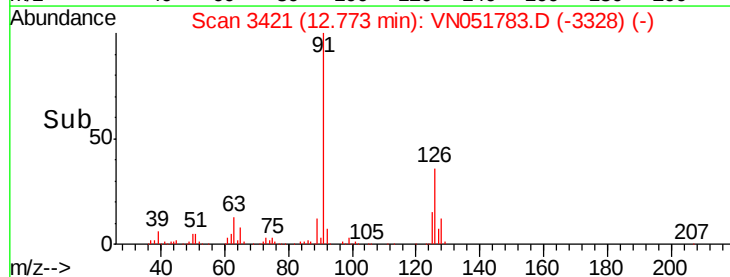
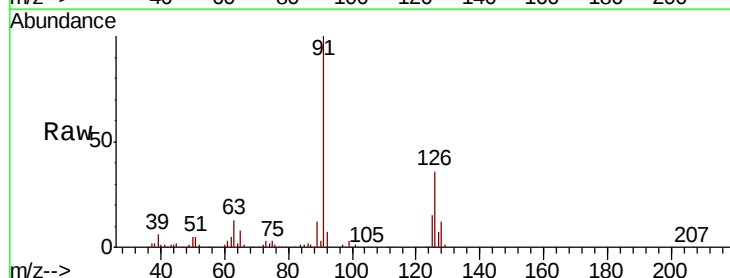
Manual Integrations
APPROVED

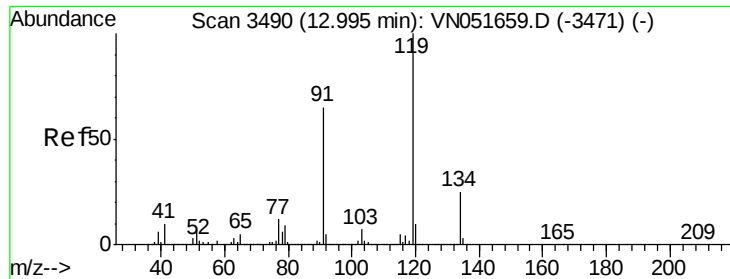
MMDadoda
10/11/2018 5:51:15 PM



#82
4-Chlorotoluene
Concen: 19.806 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.0	54.0





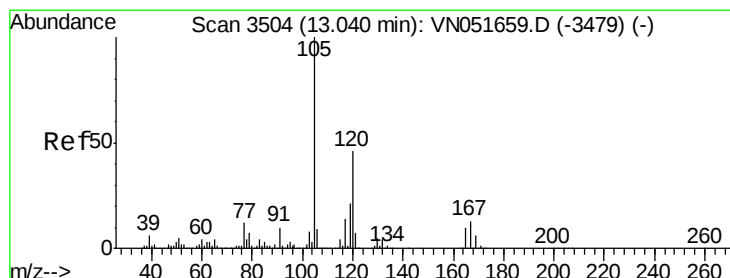
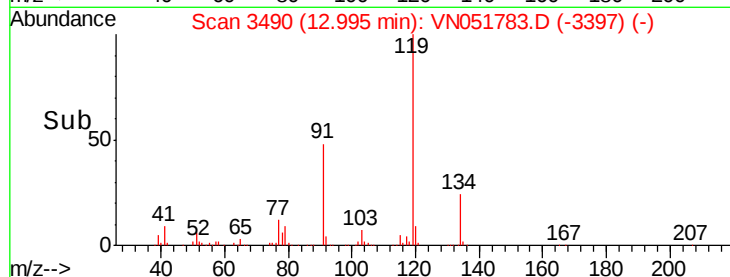
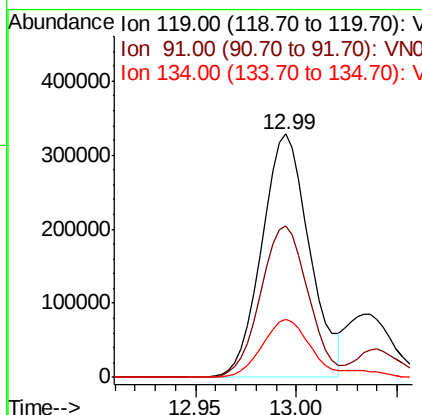
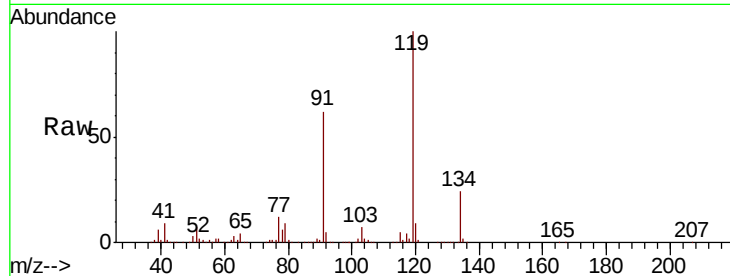
#83
tert-Butylbenzene
Concen: 20.367 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	540616		
91	62.4		32.1	96.5
134	25.9		13.3	39.9

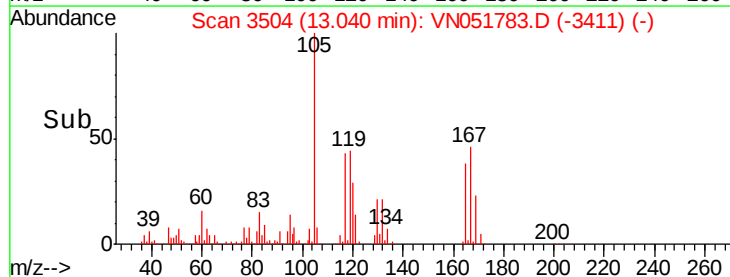
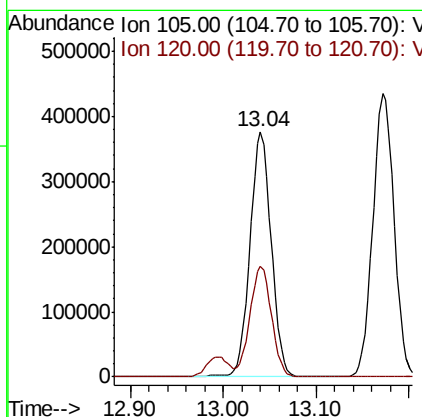
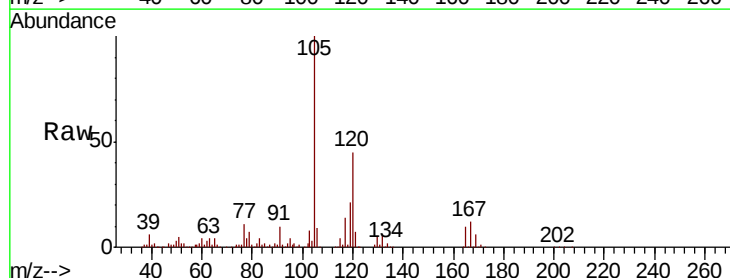
Manual Integrations
APPROVED

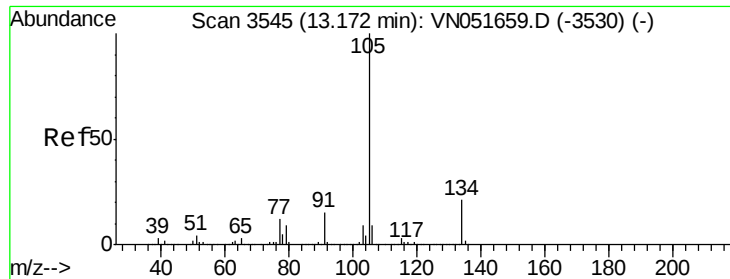
MMDadoda
10/11/2018 5:51:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.158 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	598116		
120	45.8		22.9	68.7





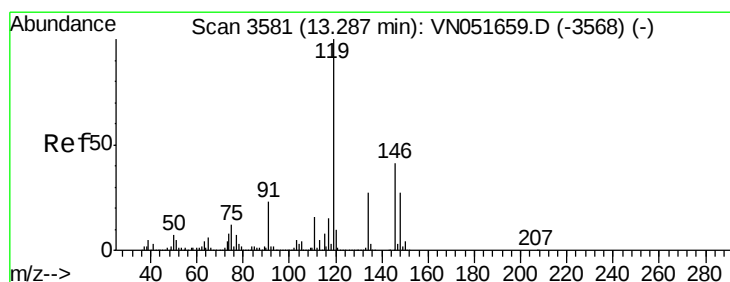
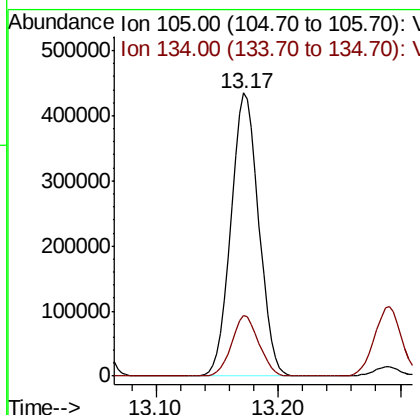
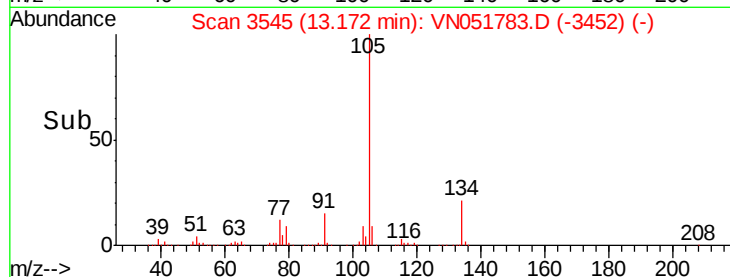
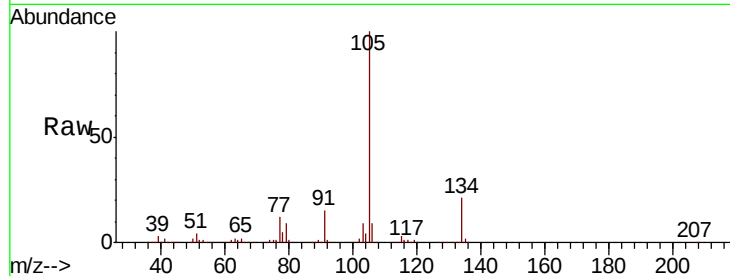
#85
 sec-Butylbenzene
 Concen: 19.651 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.6

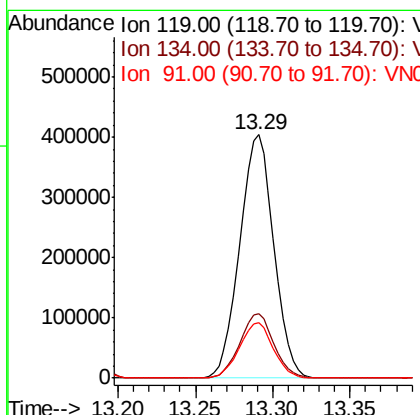
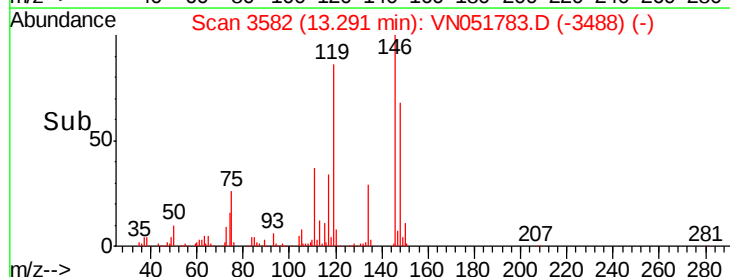
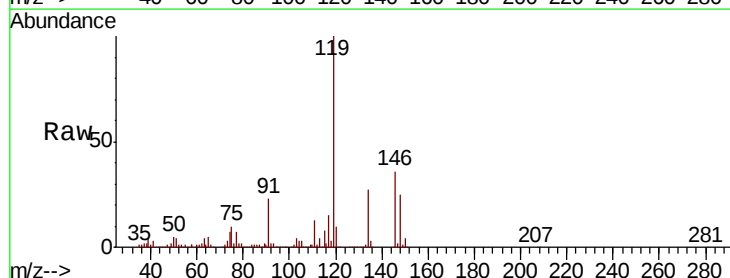
Manual Integrations
 APPROVED

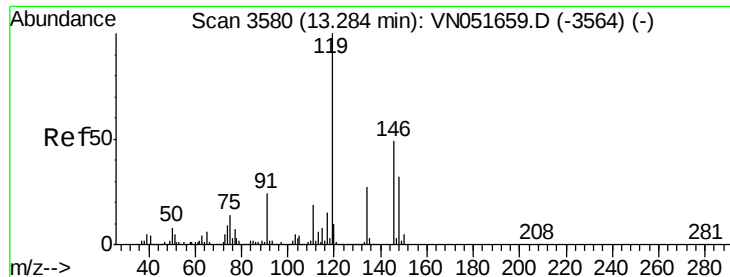
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#86
 p-Isopropyltoluene
 Concen: 19.823 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	22.8	11.7	35.1





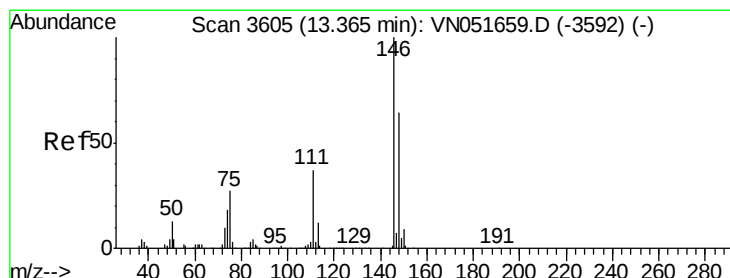
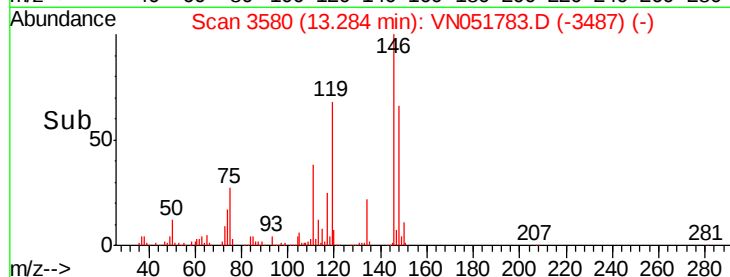
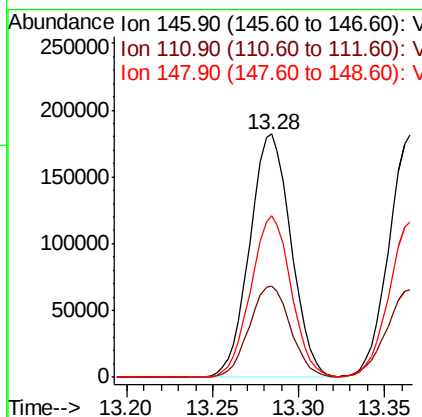
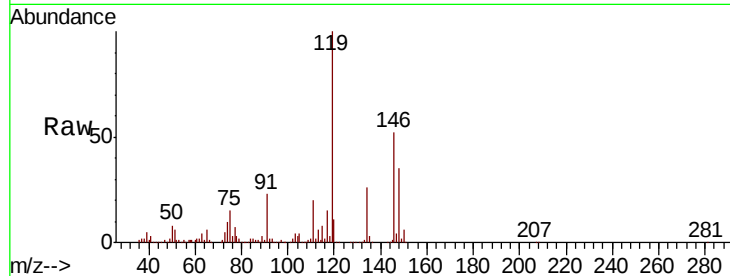
#87
1,3-Dichlorobenzene
Concen: 20.278 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	64.8	32.5	97.5

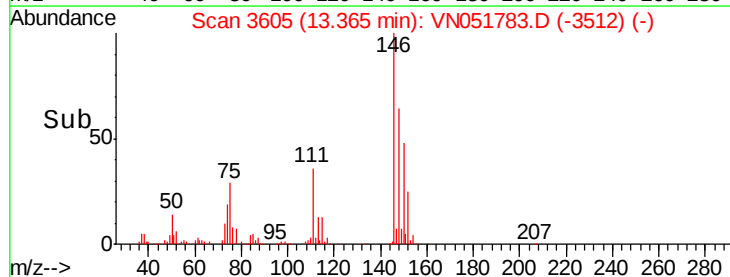
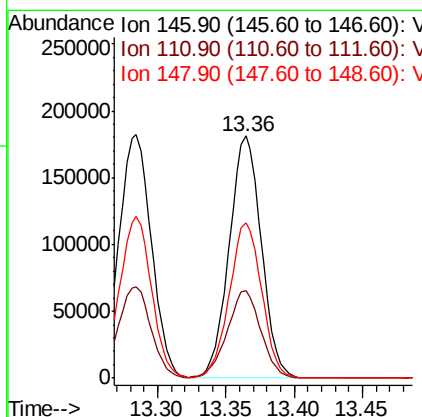
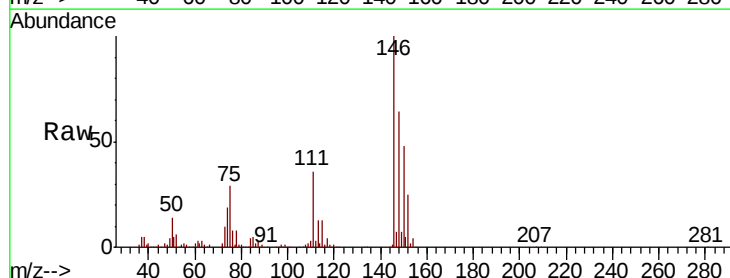
Manual Integrations
APPROVED

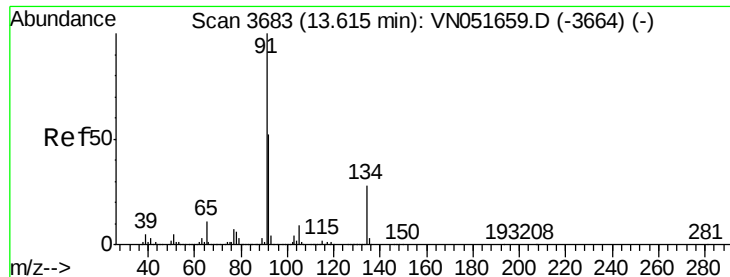
MMDadoda
10/11/2018 5:51:15 PM



#88
1,4-Dichlorobenzene
Concen: 20.133 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.6	32.3	96.8





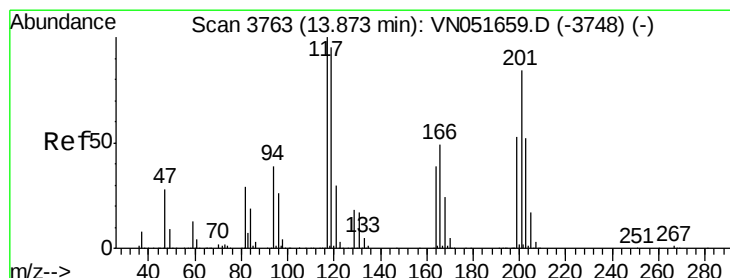
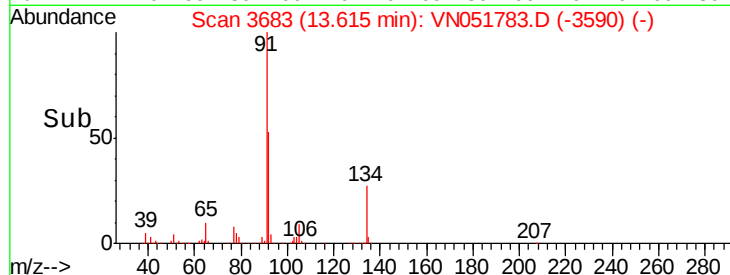
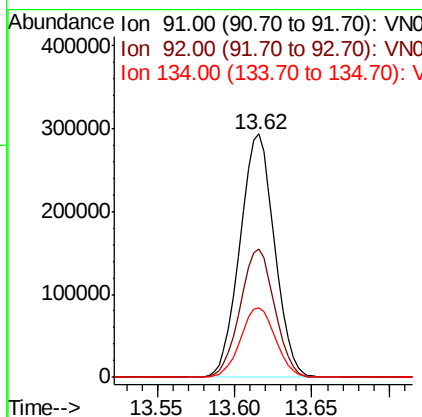
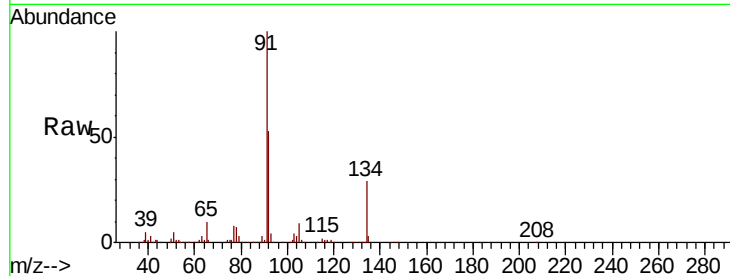
#89
n-Butylbenzene
Concen: 18.513 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	29.0	14.2	42.6

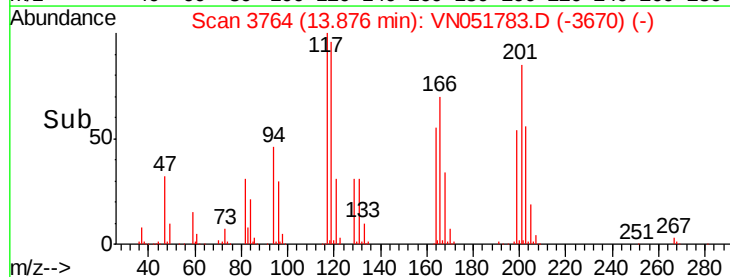
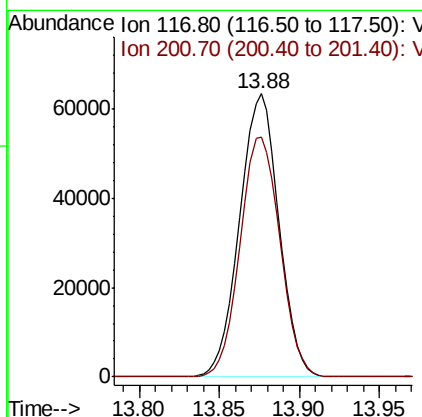
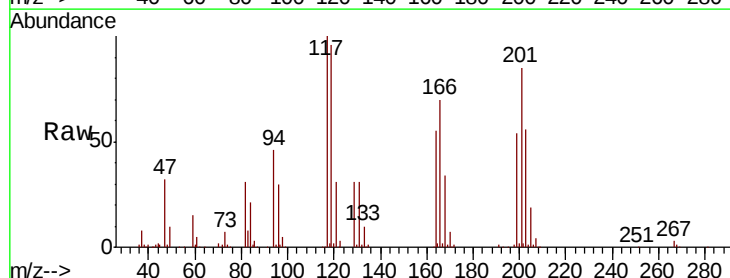
Manual Integrations
APPROVED

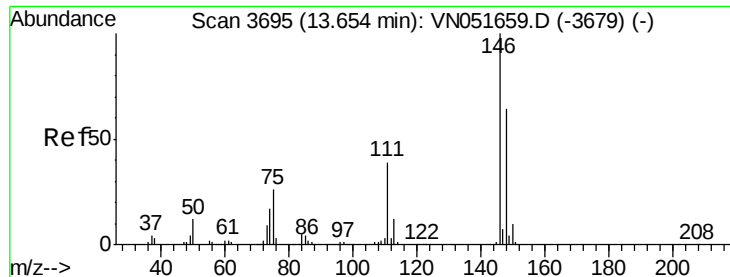
MMDadoda
10/11/2018 5:51:15 PM



#90
Hexachloroethane
Concen: 17.067 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	42.4	127.3





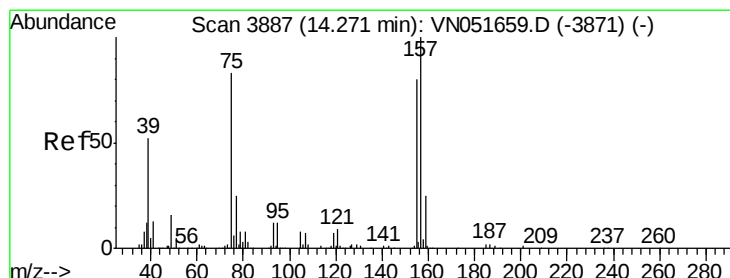
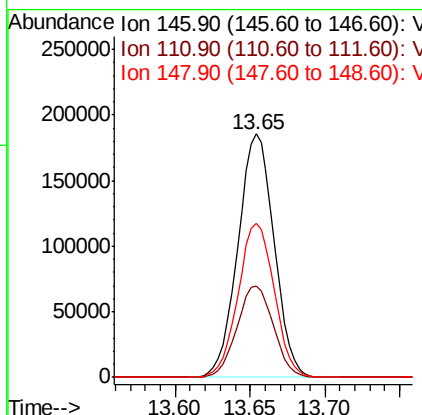
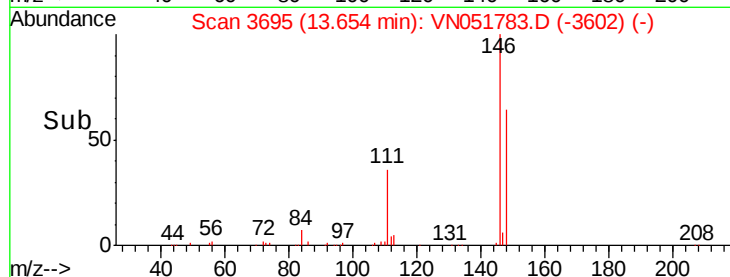
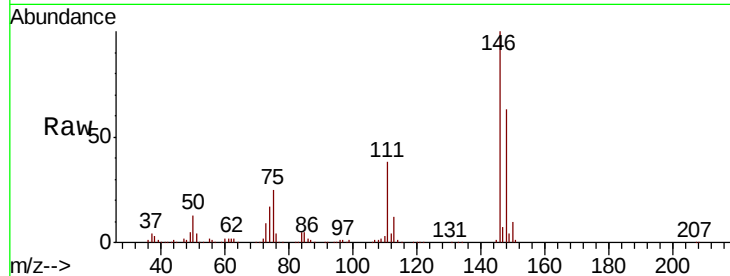
#91
 1,2-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.7	59.0
148	63.4	32.1	96.3

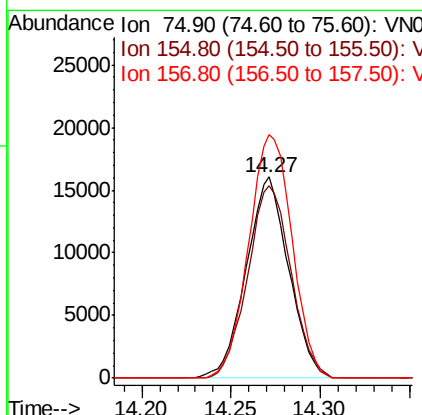
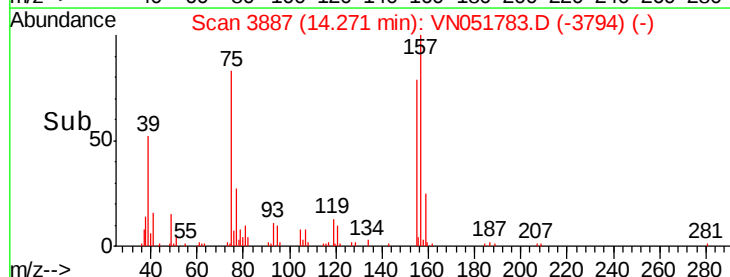
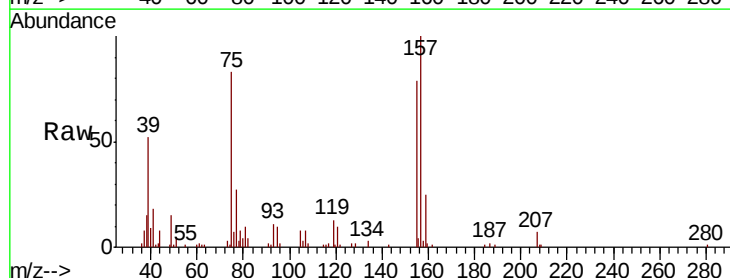
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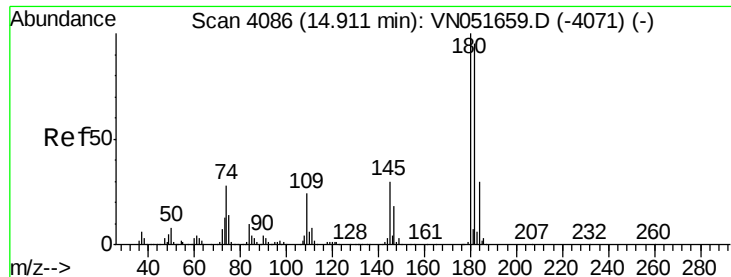
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.684 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	47.6	142.9
157	123.5	61.7	185.1





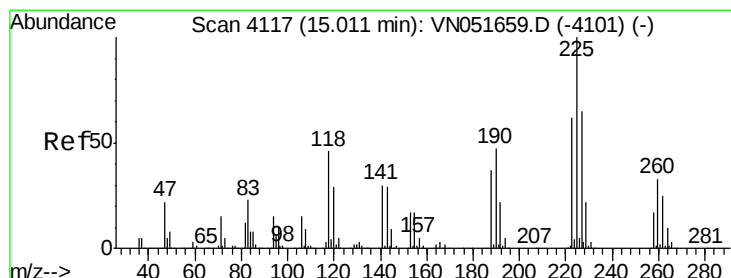
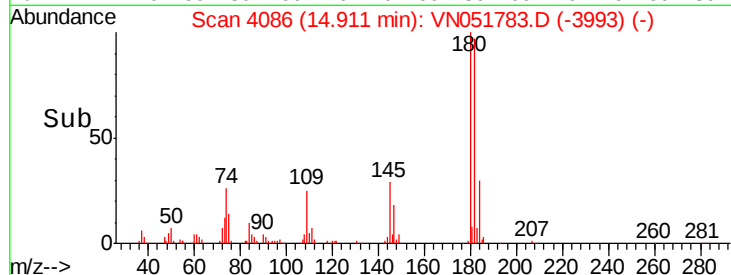
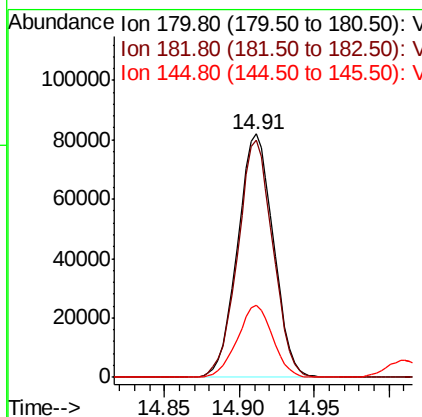
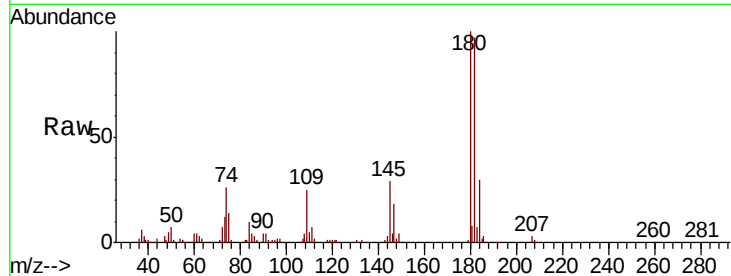
#93
 1,2,4-Trichlorobenzene
 Concen: 20.589 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.7	143.1
145	29.2	15.3	45.9

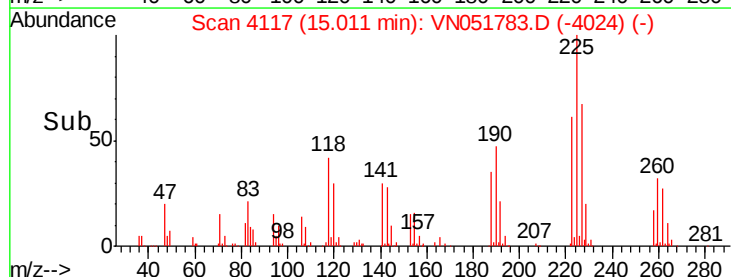
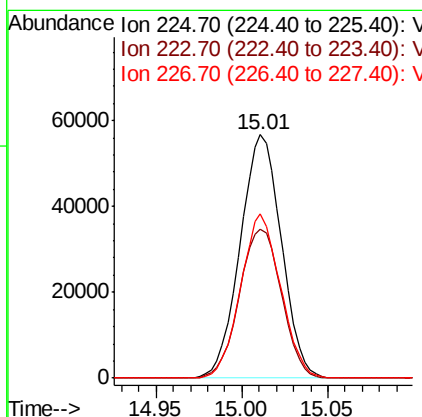
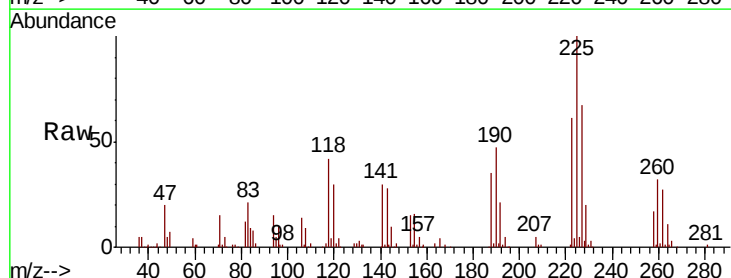
Manual Integrations
 APPROVED

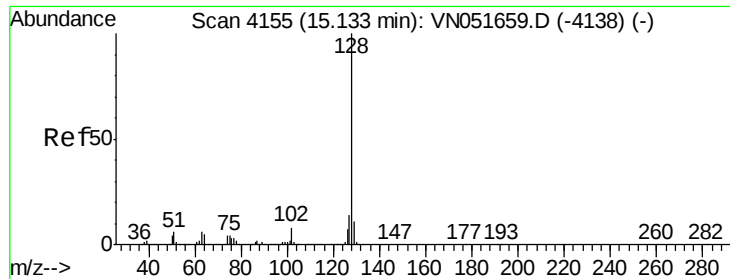
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#94
 Hexachlorobutadiene
 Concen: 21.050 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051783.D
 Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.5
227	65.1	31.7	95.1





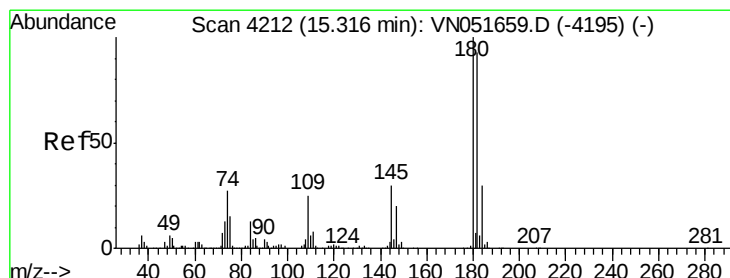
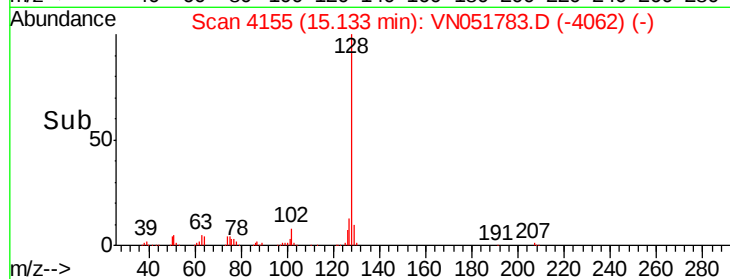
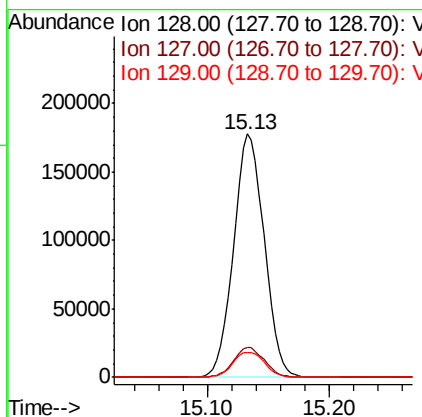
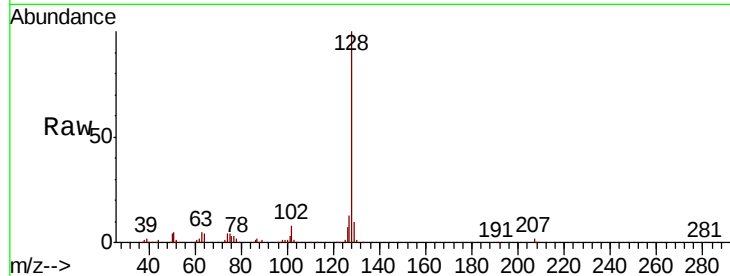
#95
Naphthalene
Concen: 21.635 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN1010MBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.370 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051783.D
Acq: 10 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	30.6	15.6	46.8

