

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051757.D
 Acq On : 9 Oct 2018 18:57
 Operator : MD\SY
 Sample : J5165-07MS 10X
 Misc : 6.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:50:21 AM

Quant Time: Oct 10 04:22:26 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	630765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	954276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	600150	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	400491	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.59	113	375709	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1423639	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	552134	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	352375	44.792	ug/l	99
3) Chloromethane	2.06	50	306150	42.530	ug/l	99
4) Vinyl Chloride	2.18	62	489573	43.175	ug/l	100
5) Bromomethane	2.54	94	397636	45.600	ug/l	99
6) Chloroethane	2.69	64	341666	44.832	ug/l	99
7) Trichlorofluoromethane	3.00	101	653909	55.541	ug/l	100
8) Diethyl Ether	3.41	74	160732	48.643	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	298660	47.388	ug/l	98
10) Methyl Iodide	3.95	142	411994	49.468	ug/l	99
11) Tert butyl alcohol	4.80	59	145402	256.757	ug/l	98
12) 1,1-Dichloroethene	3.73	96	268854	45.769	ug/l	96
13) Acrolein	3.61	56	60643	159.963	ug/l	98
14) Allyl chloride	4.32	41	380438	42.463	ug/l	99
15) Acrylonitrile	4.99	53	484454	247.906	ug/l	99
16) Acetone	3.82	43	339954	243.303	ug/l	100
17) Carbon Disulfide	4.05	76	713521	39.962	ug/l	100
18) Methyl Acetate	4.33	43	248083	53.940	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	896404	46.232	ug/l	98
20) Methylene Chloride	4.55	84	322095	46.982	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	311765	44.788	ug/l	91
22) Diisopropyl ether	5.96	45	851343	44.329	ug/l	96
23) Vinyl Acetate	5.90	43	3140790	222.419	ug/l	97
24) 1,1-Dichloroethane	5.85	63	548075	44.374	ug/l	99
25) 2-Butanone	6.84	43	568008	236.063	ug/l	96
26) 2,2-Dichloropropane	6.83	77	537165	43.398	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	385701	47.731	ug/l	94
28) Bromochloromethane	7.20	49	241294	44.127	ug/l	87
29) Tetrahydrofuran	7.22	42	362571	245.546	ug/l	92
30) Chloroform	7.37	83	658981	47.486	ug/l	99
31) Cyclohexane	7.66	56	482981	42.698	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	638819	47.492	ug/l	98
36) 1,1-Dichloropropene	7.80	75	470514	47.171	ug/l	97
37) Ethyl Acetate	6.93	43	257343	49.468	ug/l	99
38) Carbon Tetrachloride	7.78	117	579540	48.421	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	606760	48.460	ug/l	96
40) Benzene	8.04	78	1443849	48.829	ug/l	100
41) Methacrylonitrile	7.18	41	127264	47.465	ug/l	93
42) 1,2-Dichloroethane	8.13	62	477428	47.910	ug/l	99
43) Isopropyl Acetate	8.17	43	514376	47.424	ug/l	96
44) Trichloroethene	8.84	130	428692	51.060	ug/l	100
45) 1,2-Dichloropropane	9.12	63	339529	46.443	ug/l	100
46) Dibromomethane	9.21	93	259442	51.056	ug/l	98
47) Bromodichloromethane	9.40	83	539380	48.218	ug/l	100
48) Methyl methacrylate	9.20	41	241711	48.770	ug/l	96
49) 1,4-Dioxane	9.20	88	83872	1128.593	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1389008	252.727	ug/l	97
52) Toluene	10.16	92	992119	50.447	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	555590	48.133	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	581077	47.407	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	368295	52.569	ug/l	97
56) Ethyl methacrylate	10.43	69	458832	51.788	ug/l	96
57) 1,3-Dichloropropane	10.71	76	565812	51.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	940859	256.592	ug/l	95
59) 2-Hexanone	10.75	43	957961	256.650	ug/l	99
60) Dibromochloromethane	10.90	129	475845	51.901	ug/l	99
61) 1,2-Dibromoethane	11.01	107	393285	53.101	ug/l	99
64) Tetrachloroethene	10.63	164	414772	50.353	ug/l	98
65) Chlorobenzene	11.43	112	1155345	49.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	461612	49.856	ug/l	100
67) Ethyl Benzene	11.51	91	1967345	49.223	ug/l	99
68) m/p-Xylenes	11.62	106	1613998	100.926	ug/l	98
69) o-Xylene	11.95	106	806075	51.397	ug/l	98
70) Styrene	11.96	104	1285532	51.441	ug/l	98
71) Bromoform	12.13	173	349634	50.769	ug/l	100
73) Isopropylbenzene	12.25	105	2263455	44.243	ug/l	100
74) N-amyl acetate	12.07	43	510949m	48.206	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.50	83	527741	53.473	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	391387m	52.708	ug/l	
77) Bromobenzene	12.53	156	565769	45.229	ug/l	94
78) n-propylbenzene	12.59	91	2676302	47.962	ug/l	99
79) 2-Chlorotoluene	12.68	91	1456204	44.280	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2050043	47.550	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	135035	41.360	ug/l #	78
82) 4-Chlorotoluene	12.77	91	1453154	43.986	ug/l	96
83) tert-Butylbenzene	12.99	119	1794007	46.439	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	4224734	97.829	ug/l	98
85) sec-Butylbenzene	13.17	105	2687505	52.592	ug/l	96
86) p-Isopropyltoluene	13.29	119	2522784	55.688	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1077243	49.422	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	1048295	48.861	ug/l	97
89) n-Butylbenzene	13.62	91	2022714	56.471	ug/l	92
90) Hexachloroethane	13.88	117	438218	48.483	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1055387	48.706	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85785	47.734	ug/l	92

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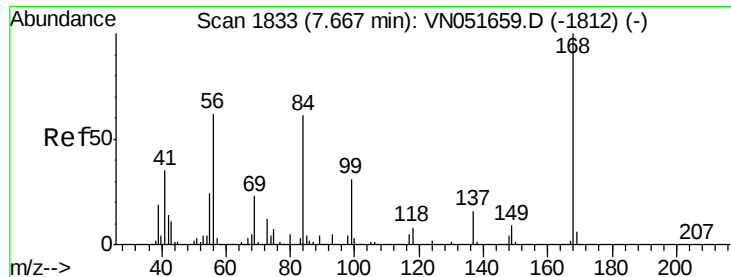
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	533365	55.316	ug/l	97
94) Hexachlorobutadiene	15.01	225	367854	56.229	ug/l	99
95) Naphthalene	15.13	128	1176520	56.504	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	526008	55.392	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:168 Resp: 630765

Ion Ratio Lower Upper

168 100

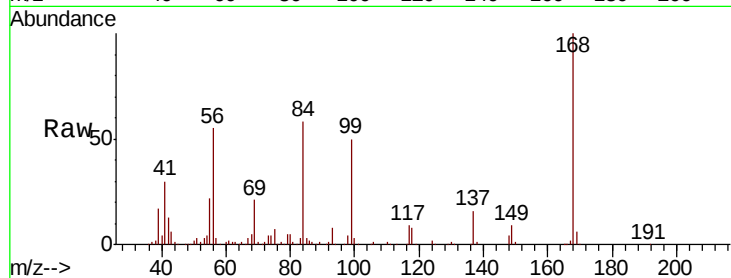
99 49.4 40.4 60.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

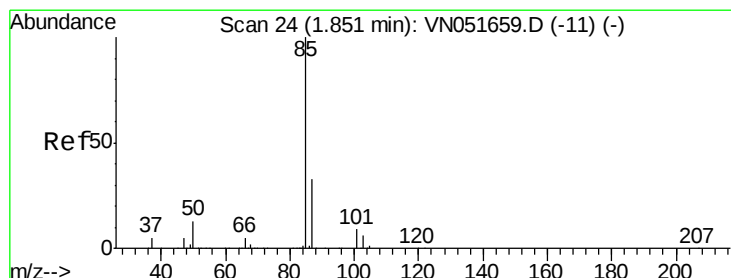
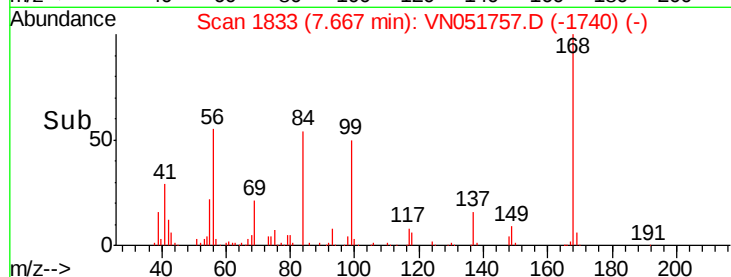
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.792 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051757.D

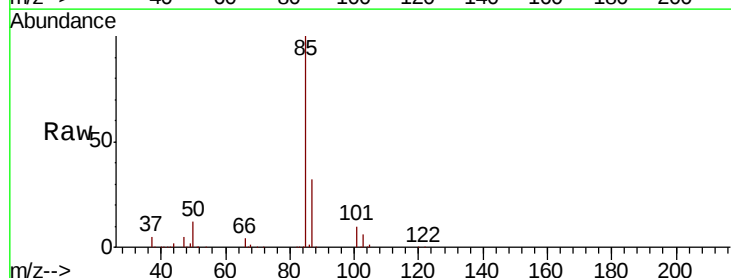
Acq: 9 Oct 2018 18:57

Tgt Ion: 85 Resp: 352375

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

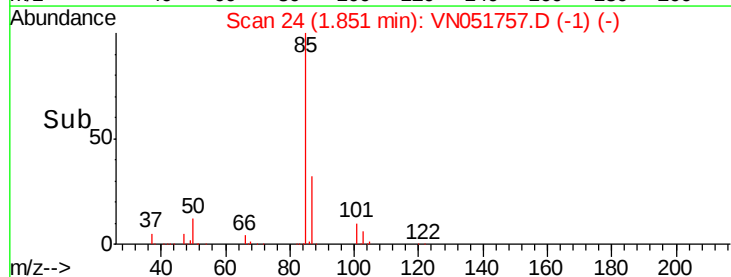
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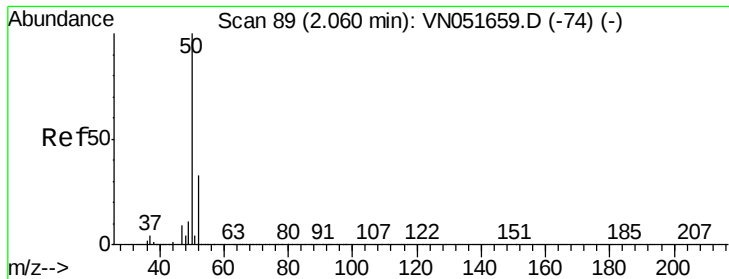
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50000

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Time-->





#3

Chloromethane

Concen: 42.530 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 50 Resp: 306150

Ion Ratio Lower Upper

50 100

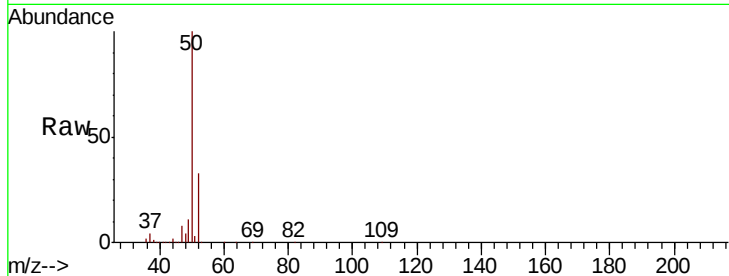
52 32.6 26.6 39.8

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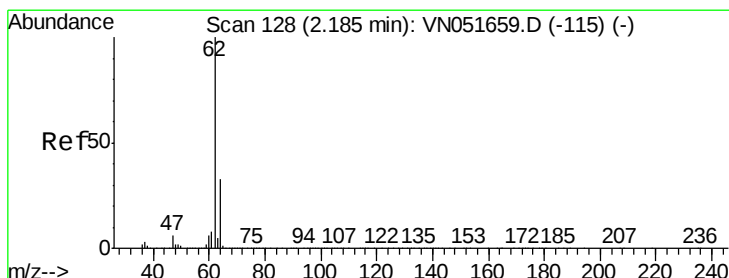
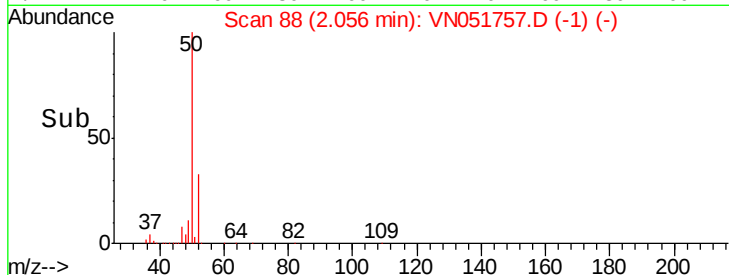
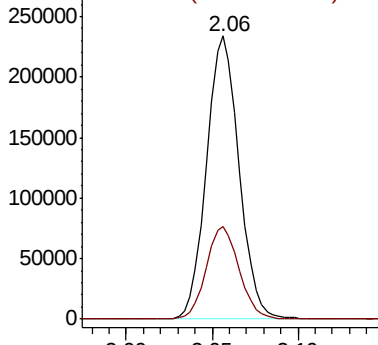
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.175 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051757.D

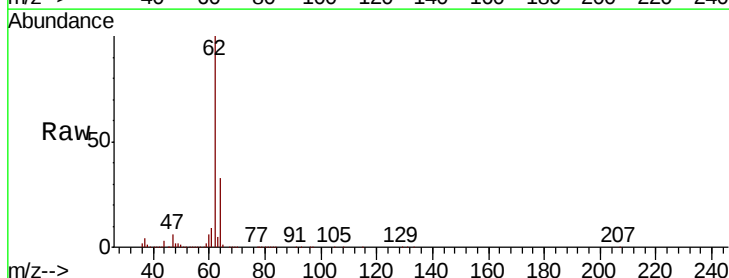
Acq: 9 Oct 2018 18:57

Tgt Ion: 62 Resp: 489573

Ion Ratio Lower Upper

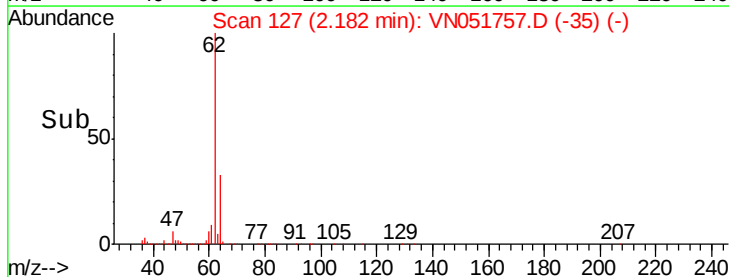
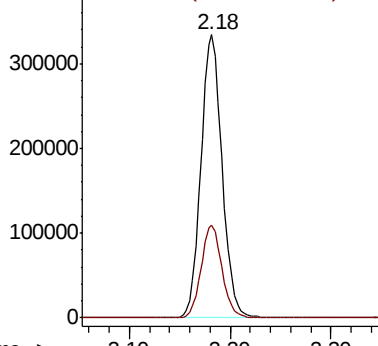
62 100

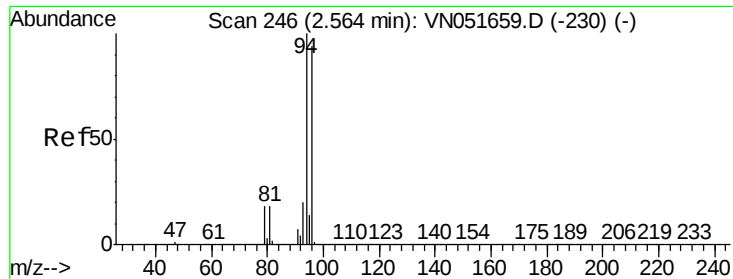
64 32.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.600 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.02 min

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Acq: 9 Oct 2018 18:57

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ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 94 Resp: 397636

Ion Ratio Lower Upper

94 100

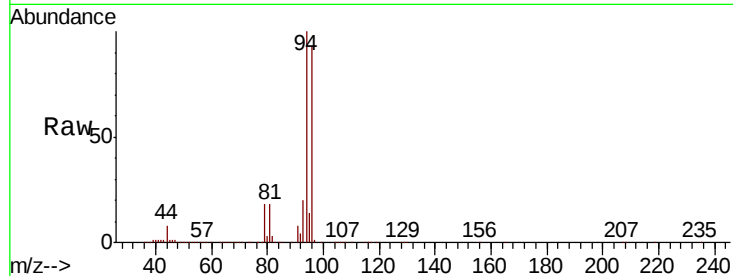
96 93.1 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

200000

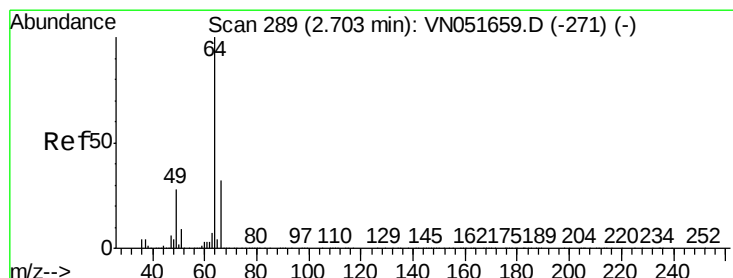
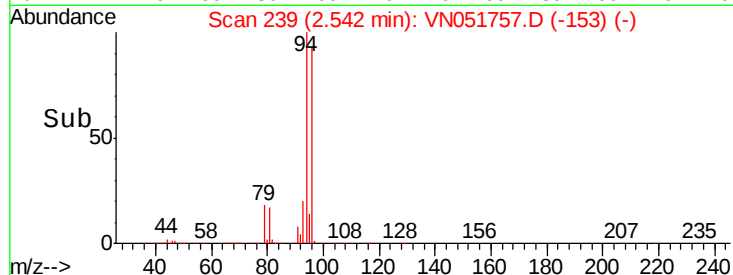
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50000

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Time-->



#6

Chloroethane

Concen: 44.832 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN051757.D

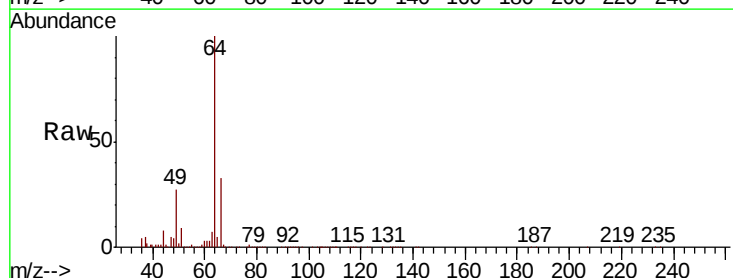
Acq: 9 Oct 2018 18:57

Tgt Ion: 64 Resp: 341666

Ion Ratio Lower Upper

64 100

66 33.0 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

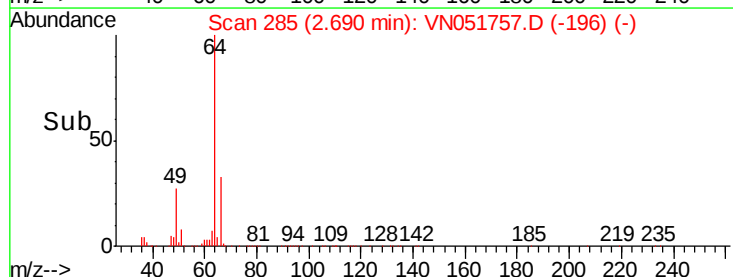
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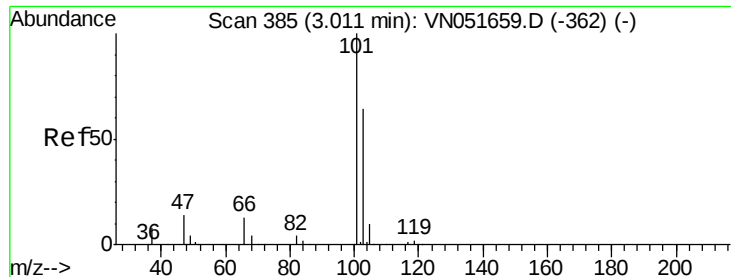
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50000

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Time-->





#7

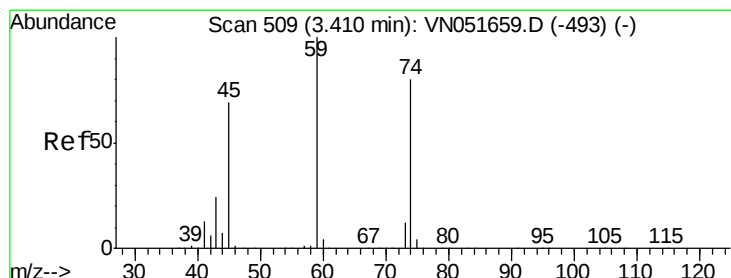
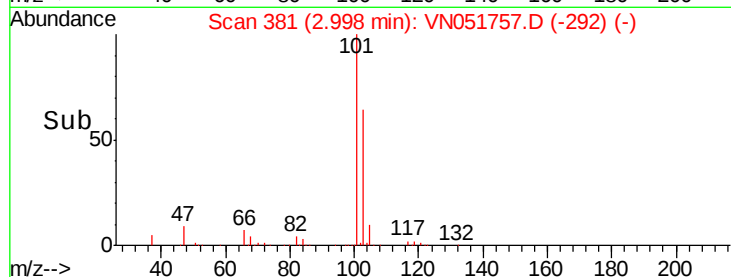
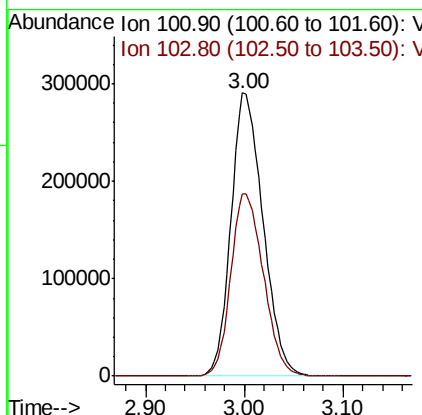
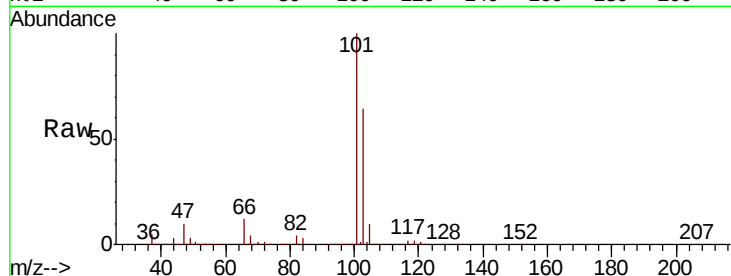
Trichlorofluoromethane
Concen: 55.541 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.1	76.7

Manual Integrations
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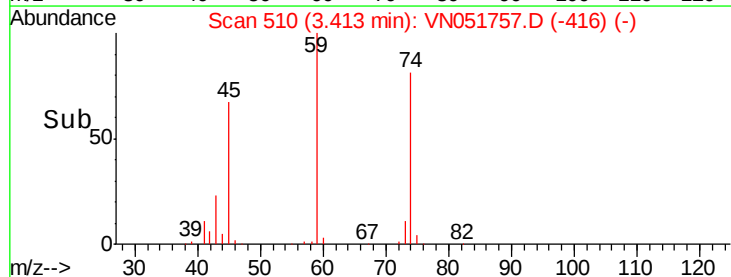
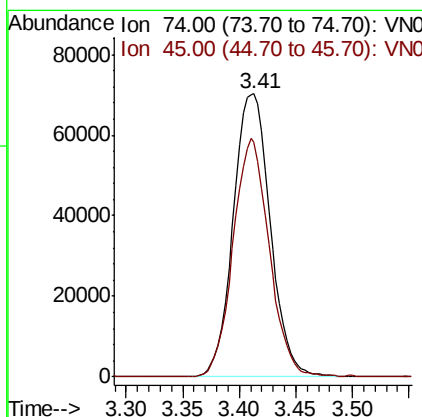
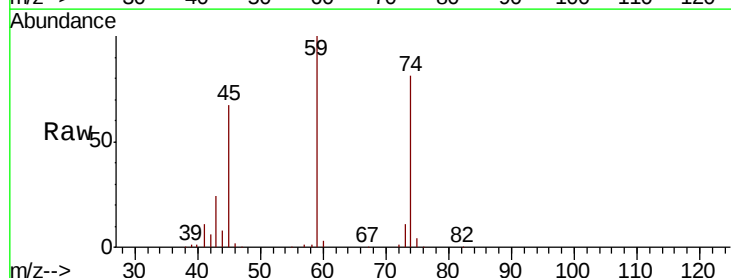
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10/10/2018 10:50:21 AM

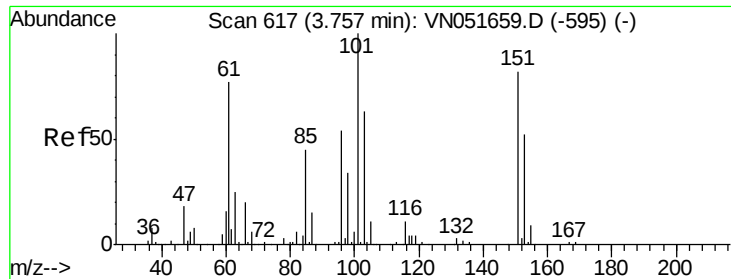


#8

Diethyl Ether
Concen: 48.643 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.0	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.388 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

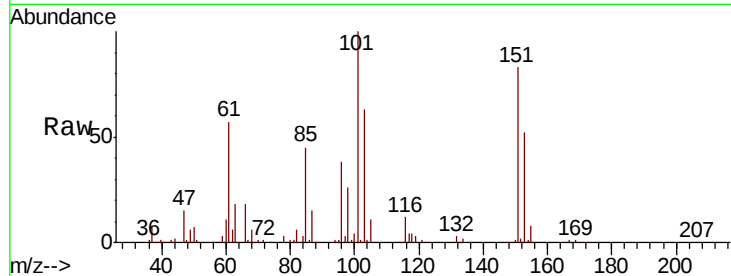
ClientSampleId :

EP1-MW-H-092718(7-10)MS

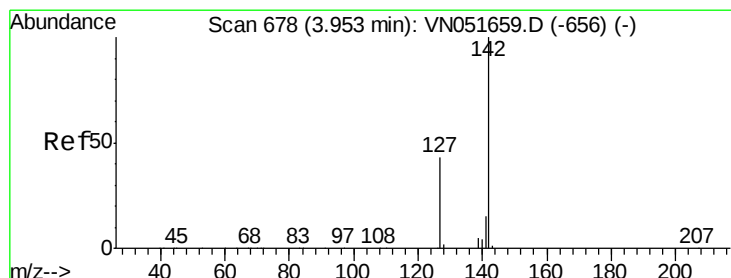
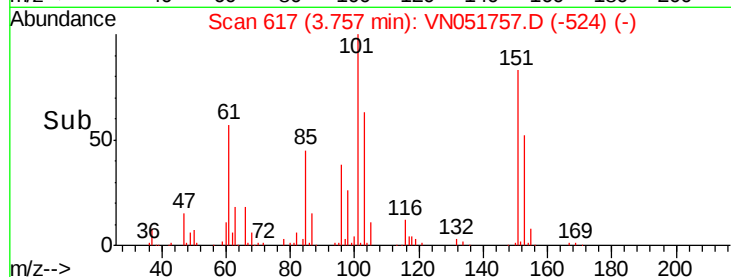
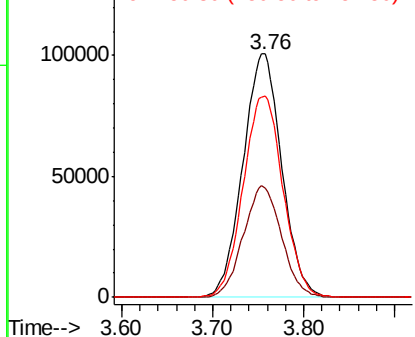
Tot Ion:	101	Resp:	298660
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.6	53.4
151	84.7	65.5	98.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.468 ug/l

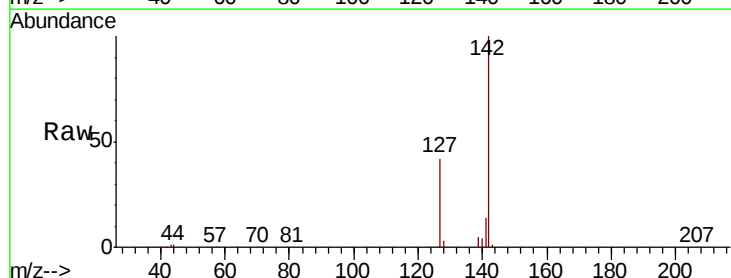
RT: 3.95 min Scan# 676

Delta R.T. -0.01 min

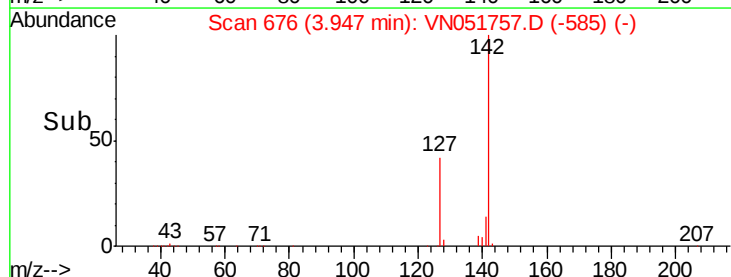
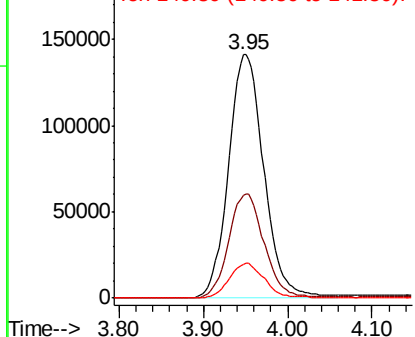
Lab File: VN051757.D

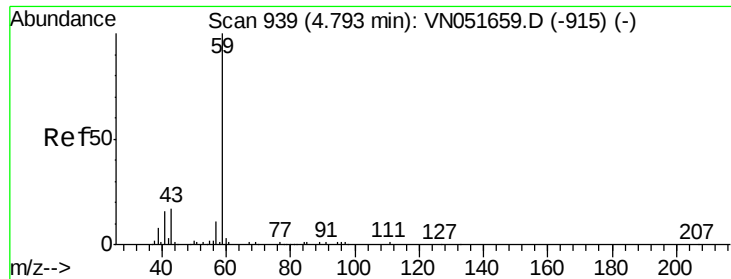
Acq: 9 Oct 2018 18:57

Tgt Ion:	142	Resp:	411994
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.7	52.1
141	14.0	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





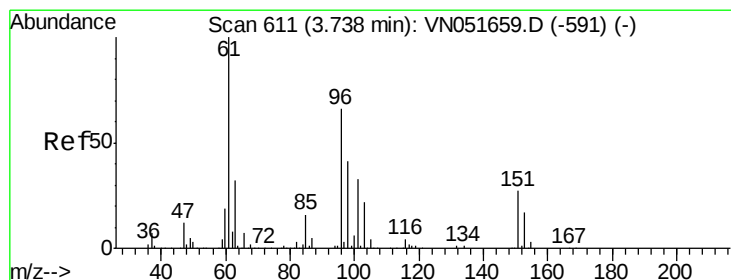
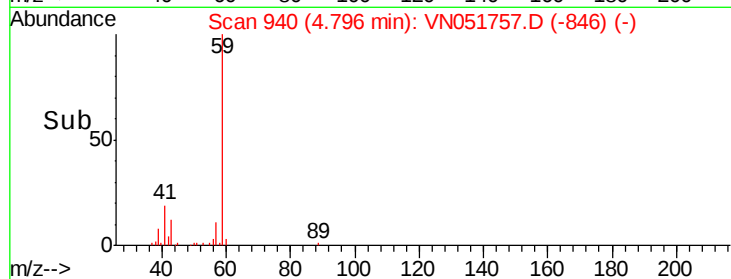
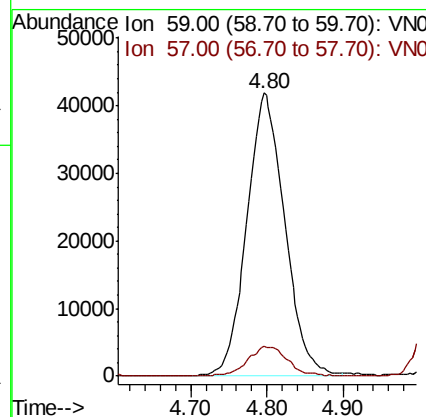
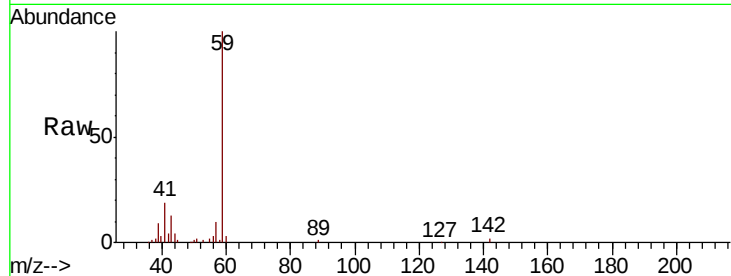
#11
Tert butyl alcohol
Concen: 256.757 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 59 Resp: 145402
Ion Ratio Lower Upper
59 100
57 10.9 8.1 12.1

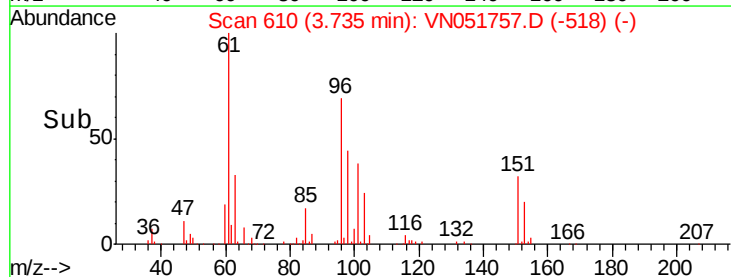
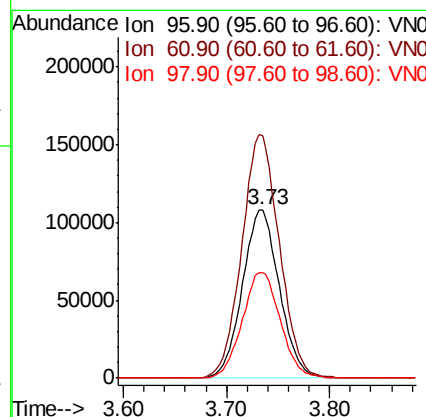
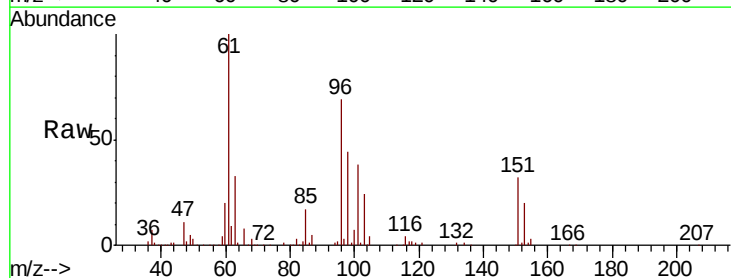
Manual Integrations
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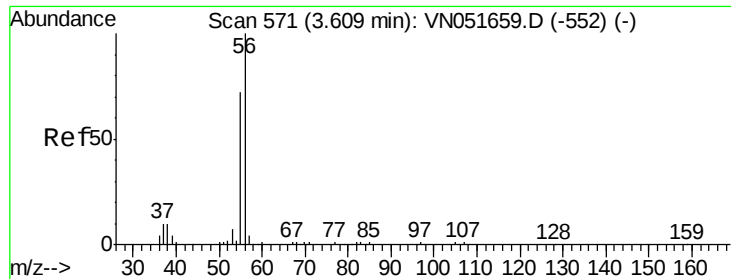
MMDadoda
10/10/2018 10:50:21 AM



#12
1,1-Dichloroethene
Concen: 45.769 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 96 Resp: 268854
Ion Ratio Lower Upper
96 100
61 144.1 121.4 182.0
98 62.9 49.9 74.9





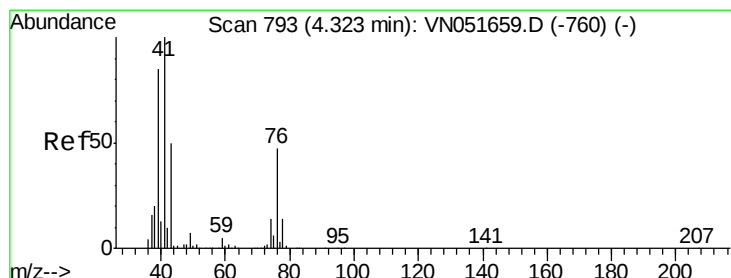
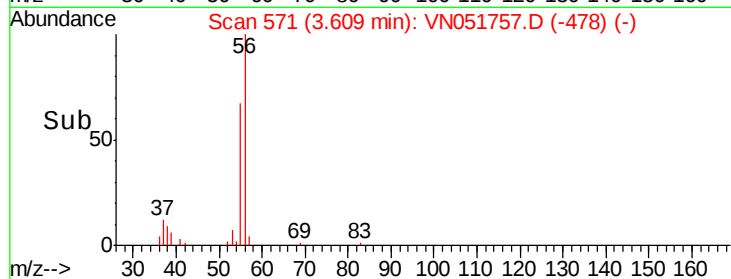
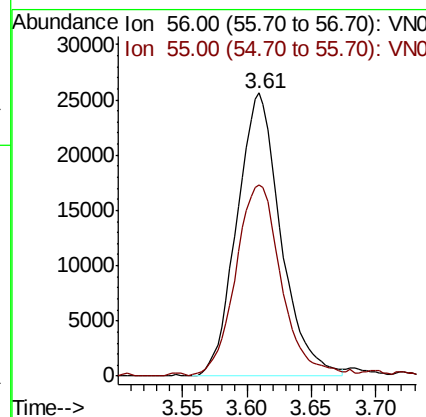
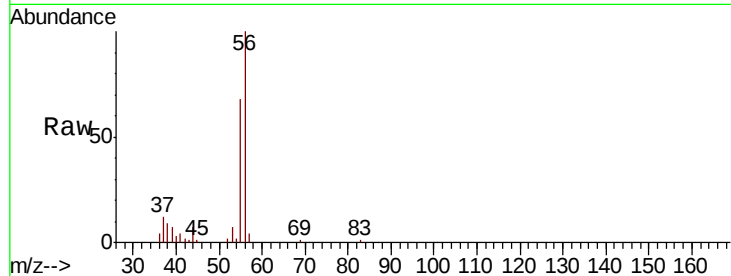
#13
 Acrolein
 Concen: 159.963 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	56	55	Ratio	Lower	Upper
60643	100	70.5		57.5	86.3

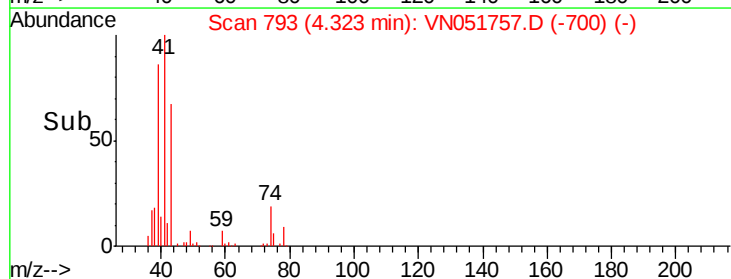
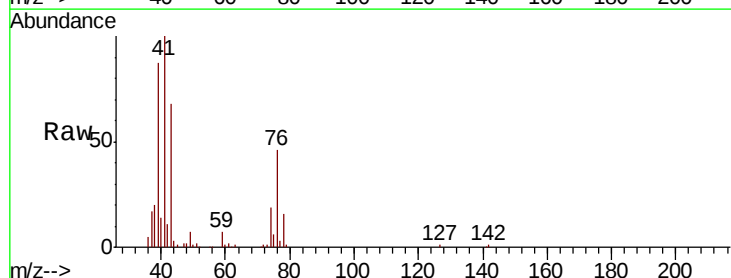
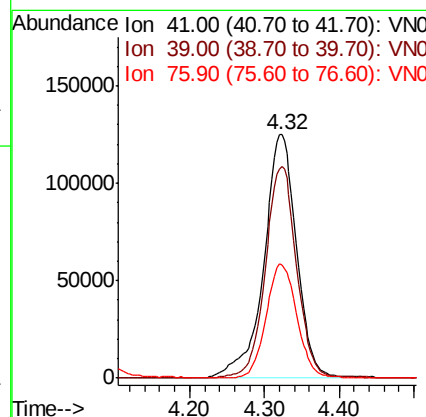
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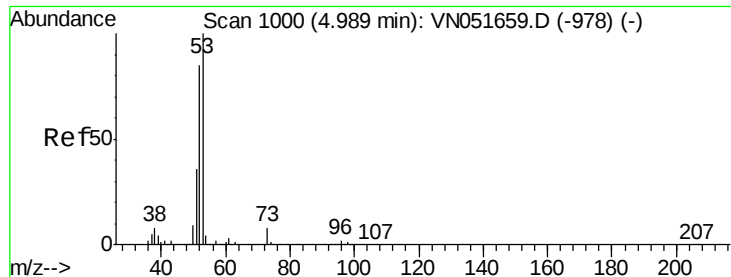
MMDadoda
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#14
 Allyl chloride
 Concen: 42.463 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	41	39	76	Ratio	Lower	Upper
380438	100	83.1	43.6		65.4	98.0
					34.3	51.5





#15

Acrylonitrile

Concen: 247.906 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

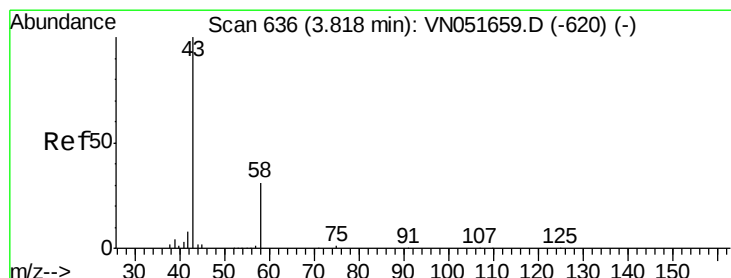
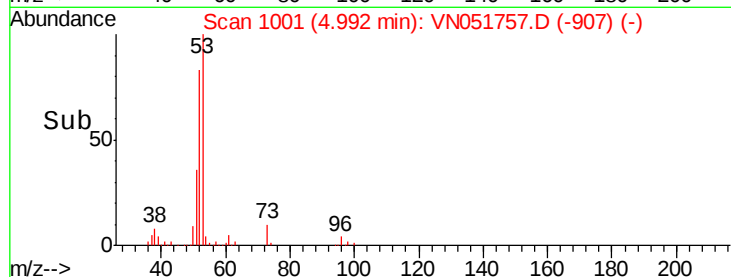
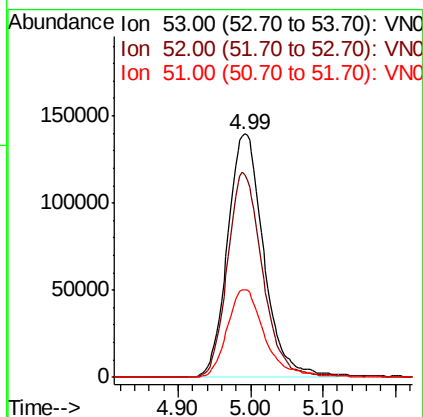
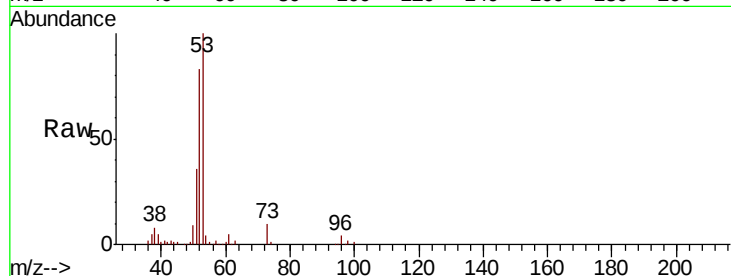
ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:	53	Resp:	484454
Ion Ratio	Lower	Upper	
53	100		
52	81.1	66.2	99.2
51	37.5	30.3	45.5

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#16

Acetone

Concen: 243.303 ug/l

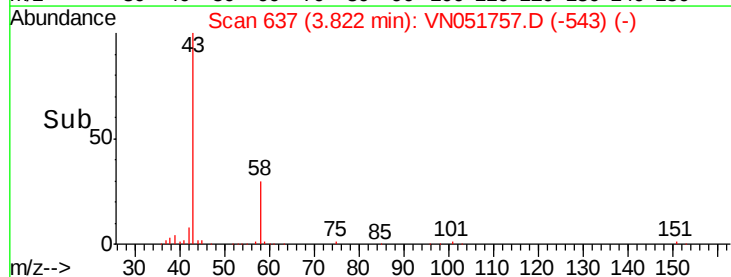
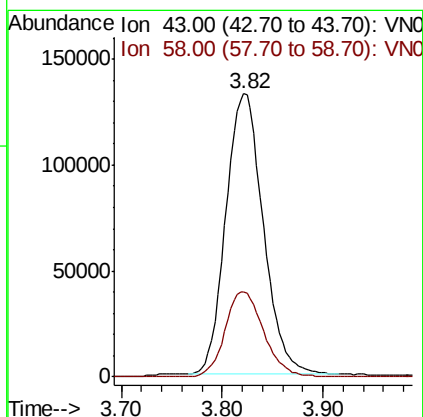
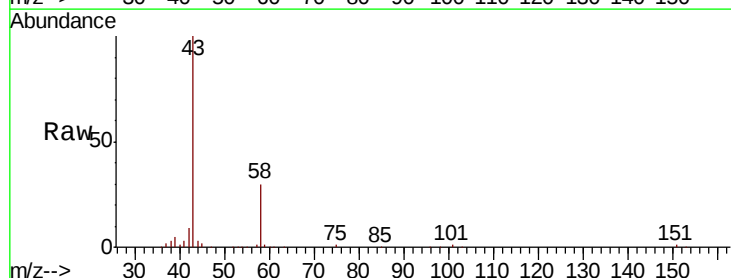
RT: 3.82 min Scan# 637

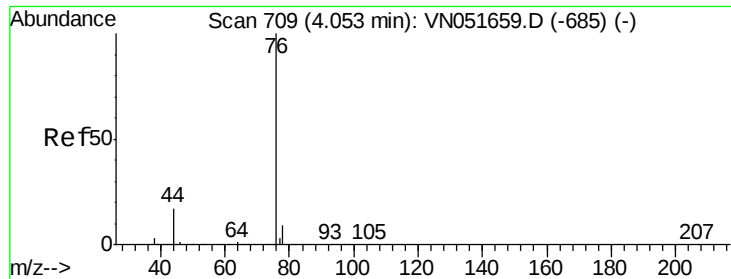
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion:	43	Resp:	339954
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.3	36.5





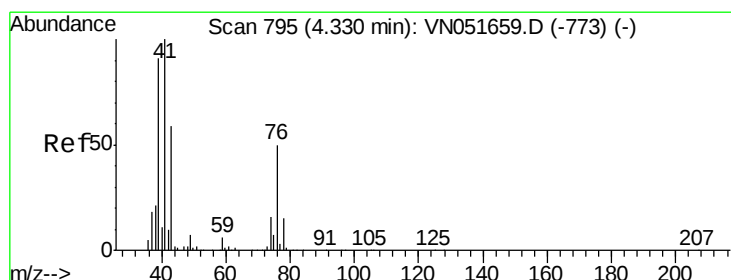
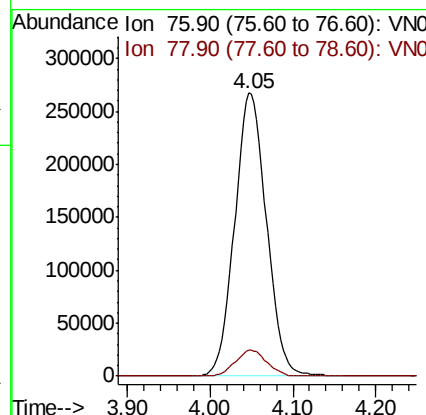
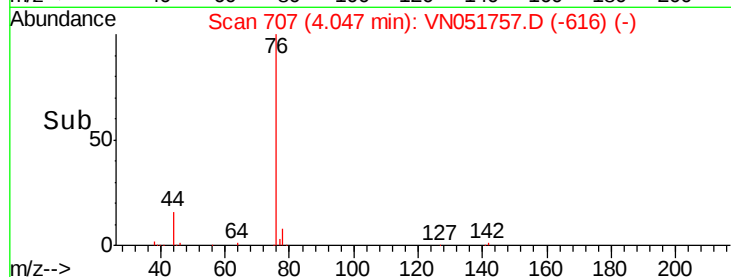
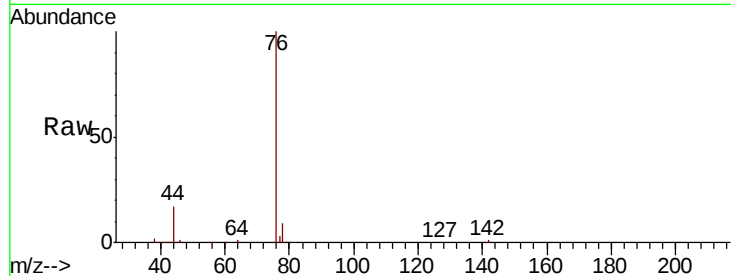
#17
Carbon Disulfide
Concen: 39.962 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 76 Resp: 713521
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

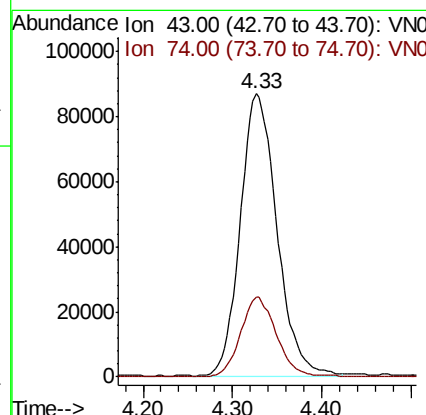
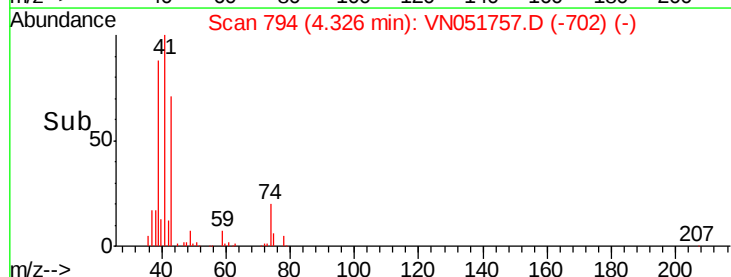
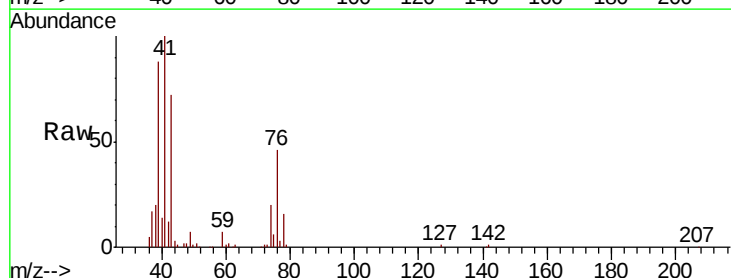
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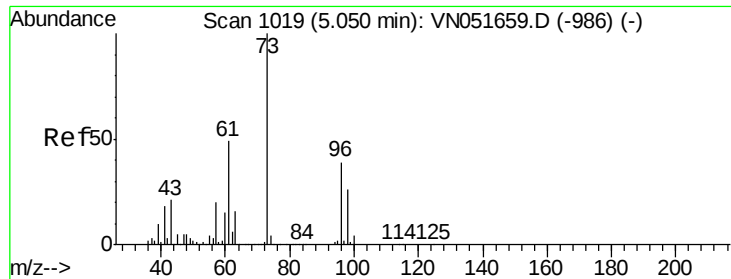
MMDadoda
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#18
Methyl Acetate
Concen: 53.940 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 43 Resp: 248083
Ion Ratio Lower Upper
43 100
74 27.4 21.5 32.3





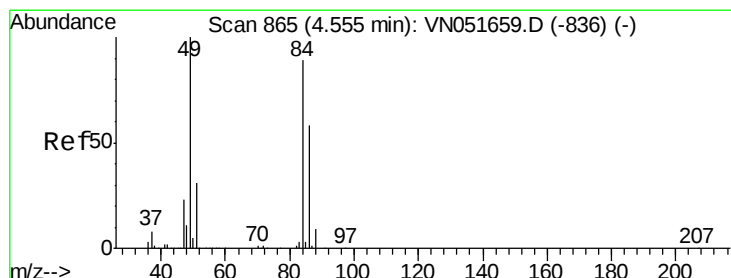
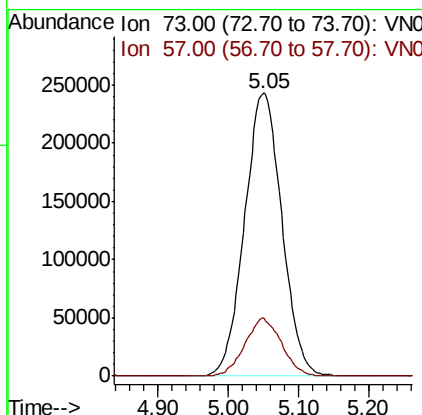
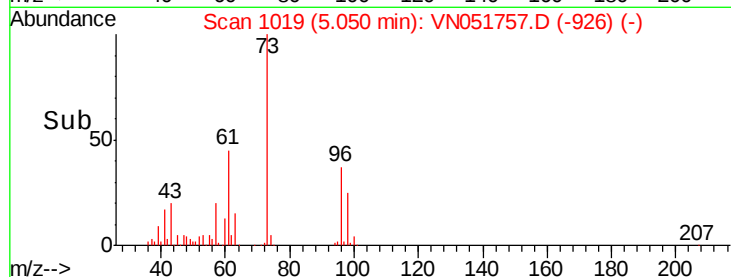
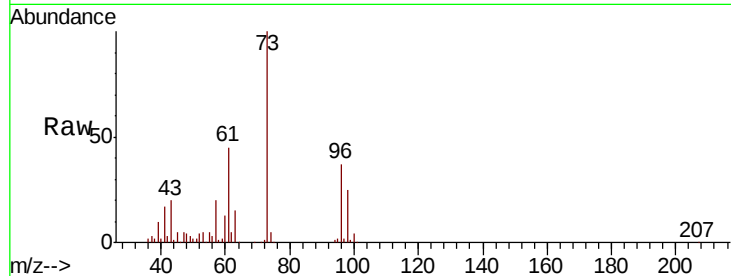
#19
Methvl tert-butvl Ether
Concen: 46.232 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 73 Resp: 896404
Ion Ratio Lower Upper
73 100
57 20.3 15.6 23.4

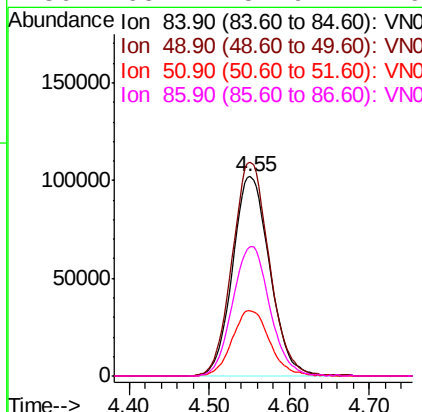
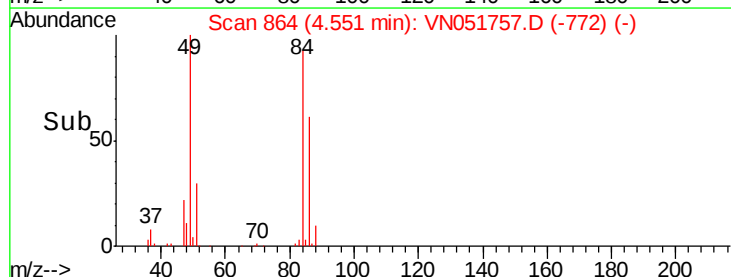
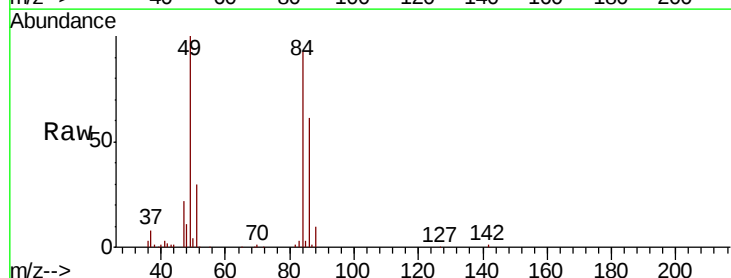
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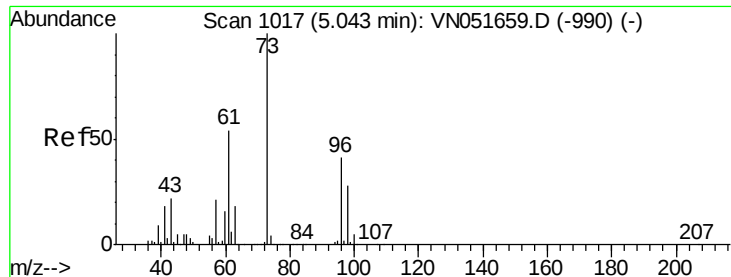
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#20
Methylene Chloride
Concen: 46.982 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 84 Resp: 322095
Ion Ratio Lower Upper
84 100
49 107.2 89.5 134.3
51 32.5 27.4 41.0
86 65.1 51.9 77.9





#21

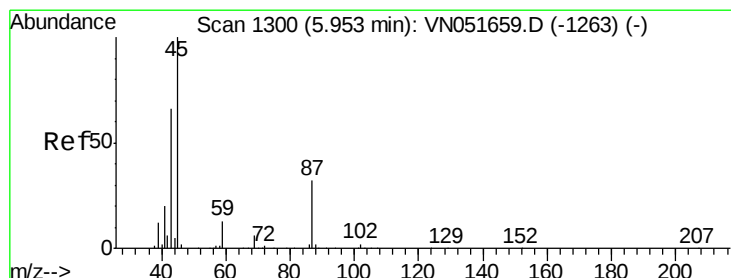
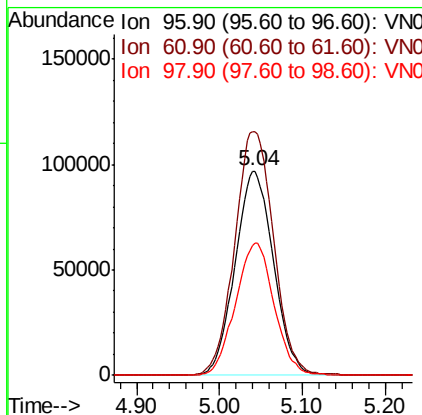
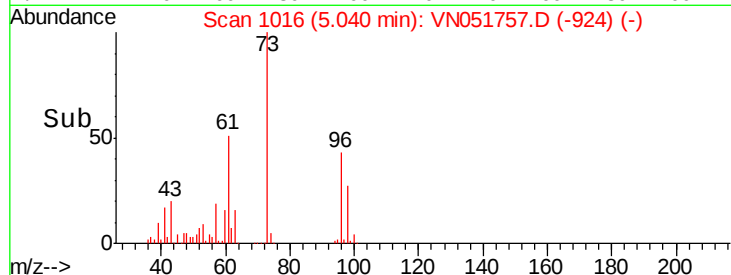
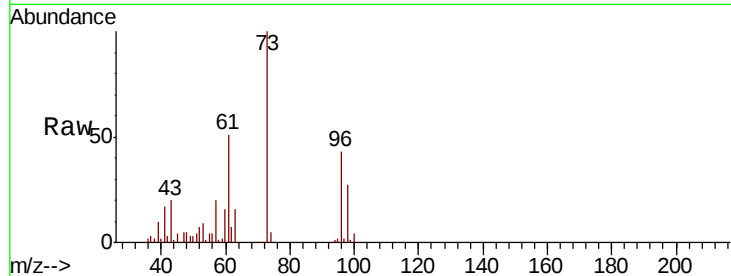
trans-1,2-Dichloroethene
Concen: 44.788 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.1	104.7	157.1
98	63.6	54.6	82.0

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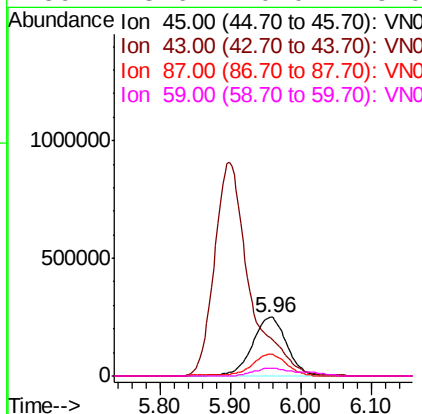
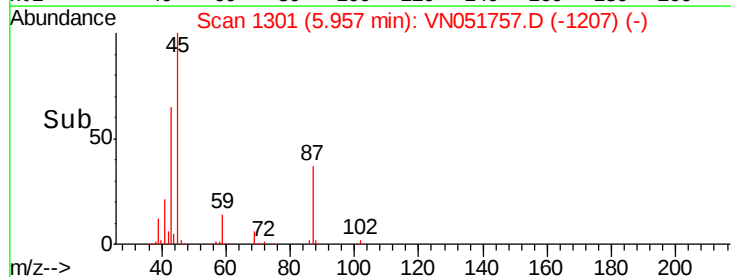
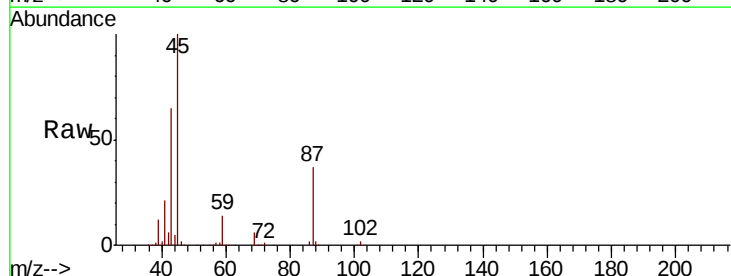
MMDadoda
10/10/2018 10:50:21 AM

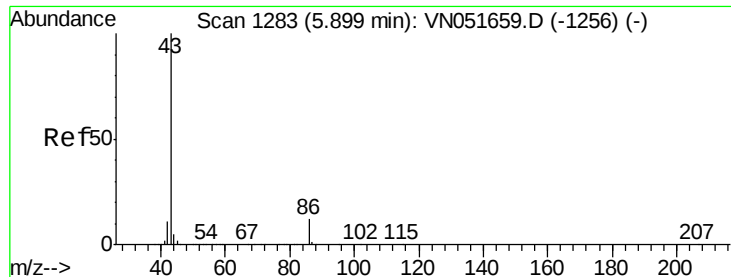


#22

Diisopropyl ether
Concen: 44.329 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	53.0	79.4
87	36.9	26.4	39.6
59	13.6	10.0	15.0





#23

Vinyl Acetate

Concen: 222.419 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 43 Resp: 3140790

Ion Ratio Lower Upper

43 100

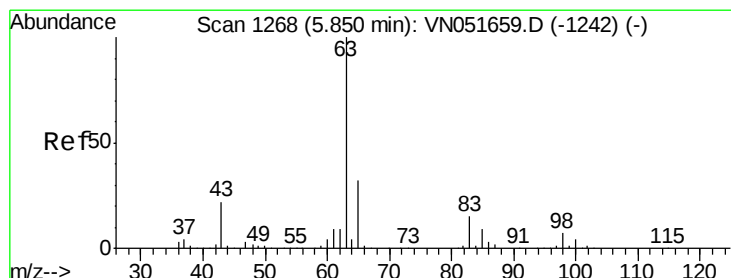
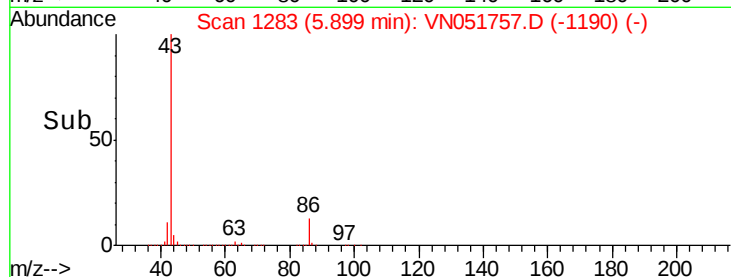
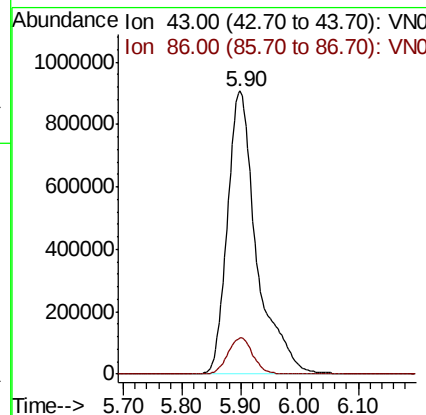
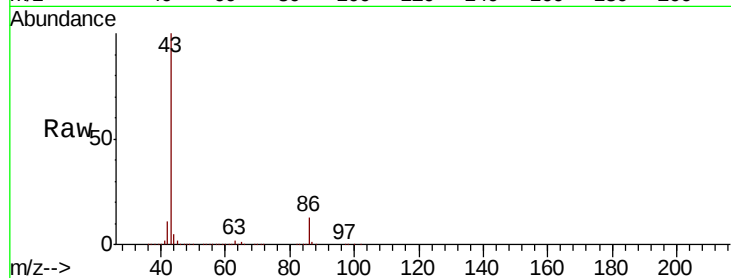
86 12.9 9.3 13.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.374 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

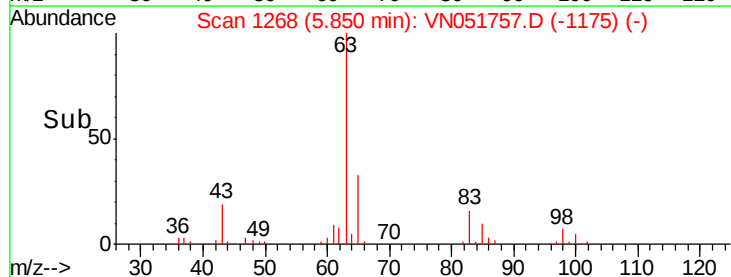
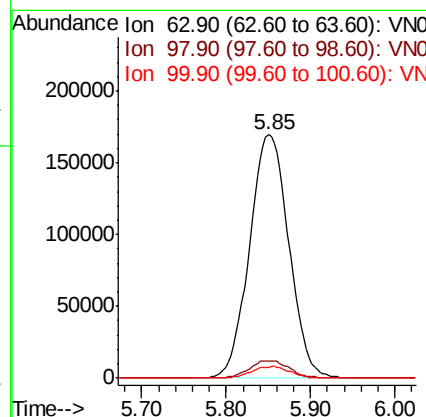
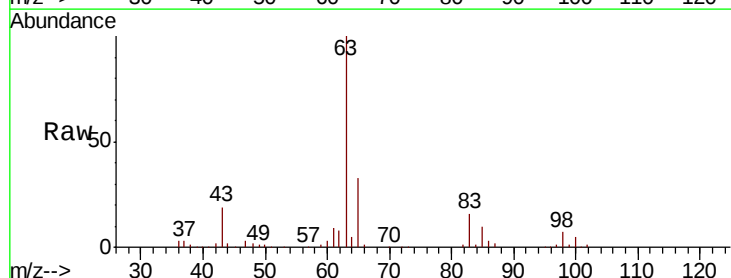
Tgt Ion: 63 Resp: 548075

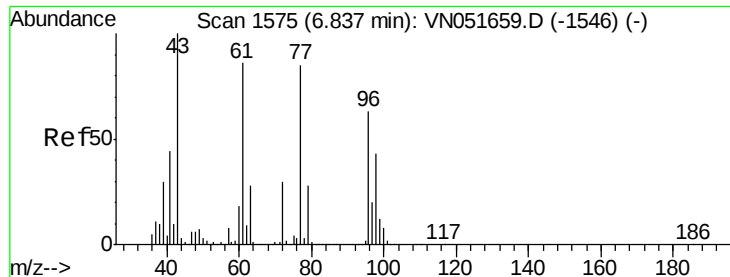
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.6 2.2 6.6





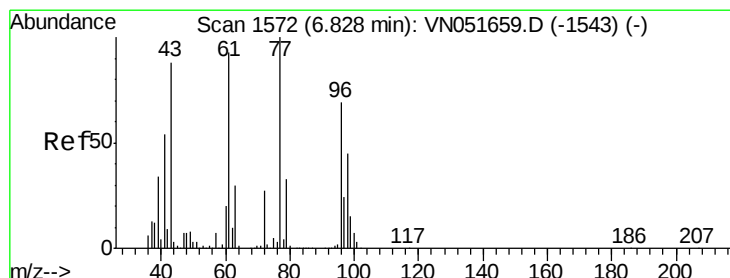
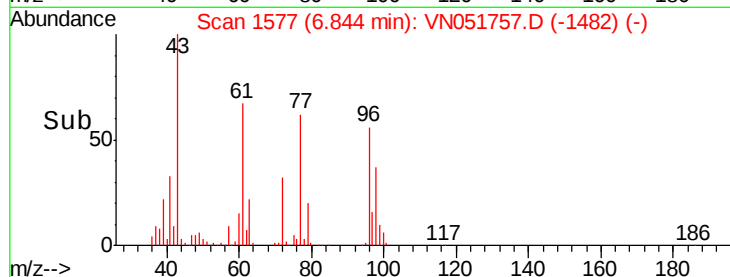
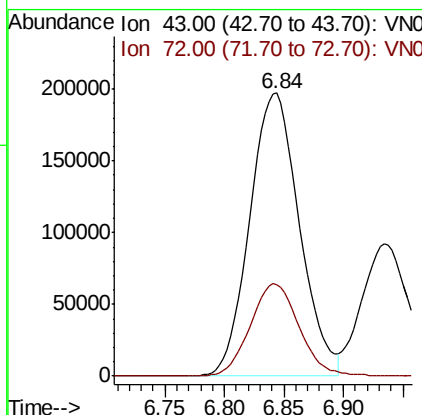
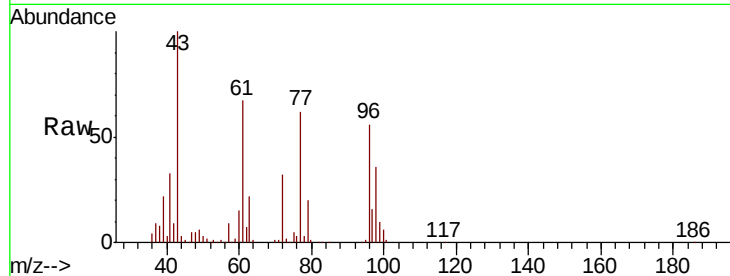
#25
2-Butanone
Concen: 236.063 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 43 Resp: 568008
Ion Ratio Lower Upper
43 100
72 32.4 24.2 36.2

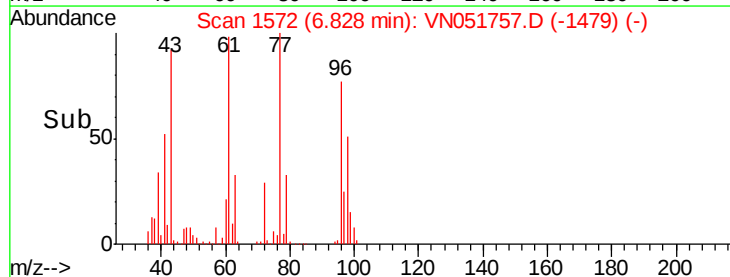
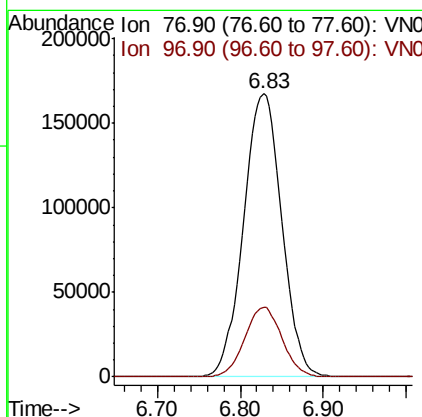
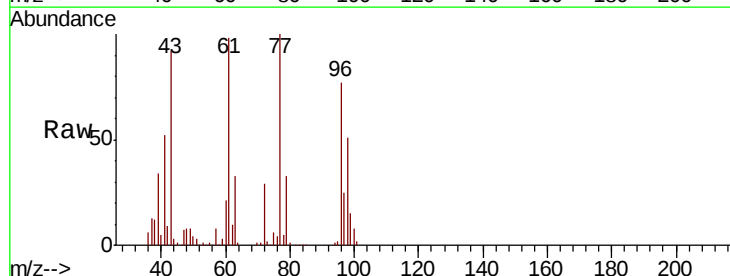
Manual Integrations
APPROVED

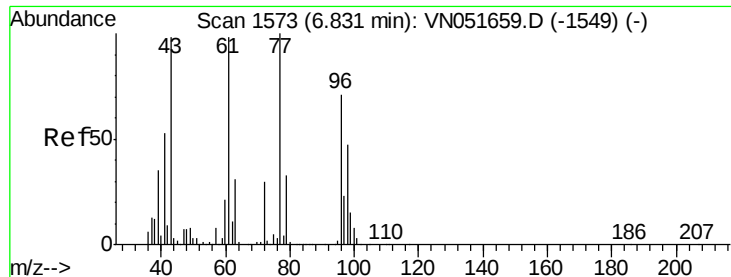
MMDadoda
10/10/2018 10:50:21 AM



#26
2,2-Dichloropropane
Concen: 43.398 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 77 Resp: 537165
Ion Ratio Lower Upper
77 100
97 24.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.731 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

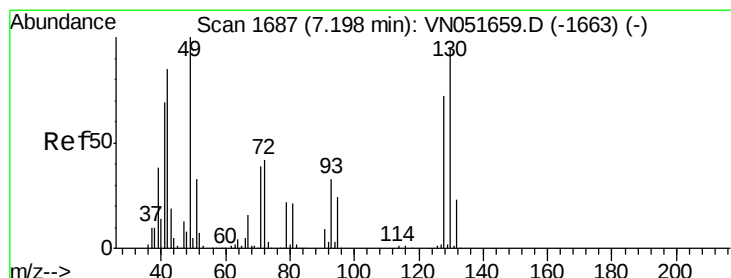
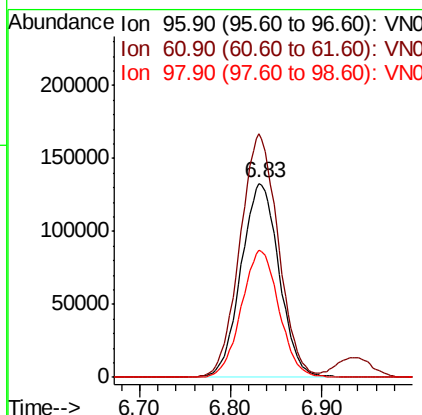
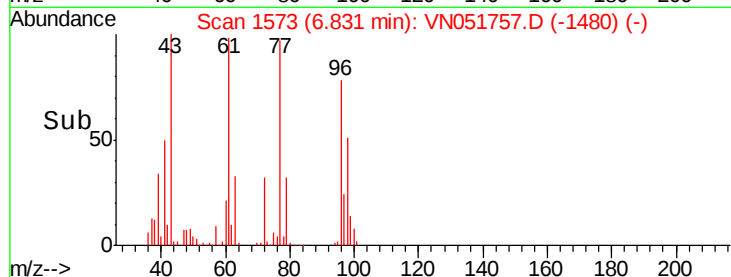
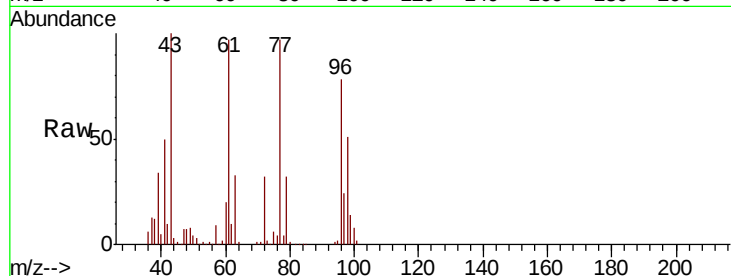
ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:	96	Resp:	385701
Ion	Ratio	Lower	Upper
96	100		
61	126.5	0.0	275.4
98	64.8	0.0	129.6

Manual Integrations
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10/10/2018 10:50:21 AM



#28

Bromochloromethane

Concen: 44.127 ug/l

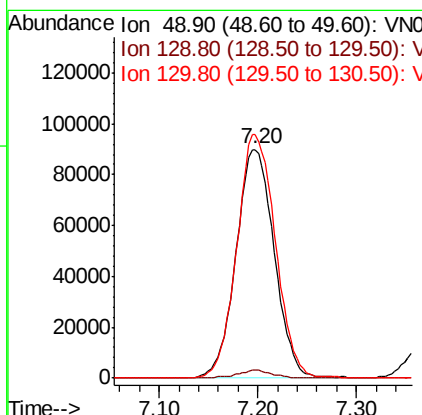
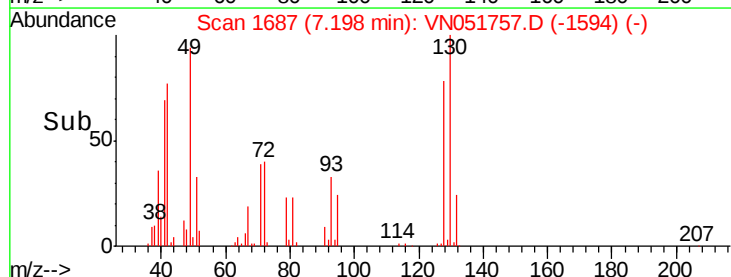
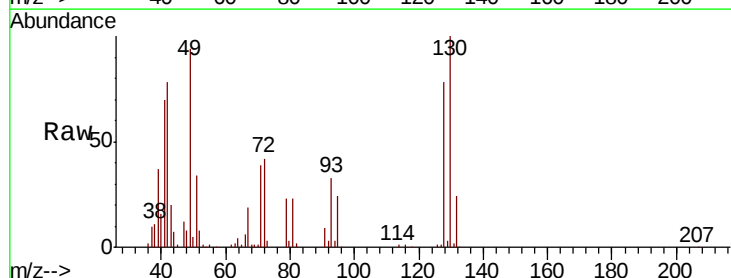
RT: 7.20 min Scan# 1687

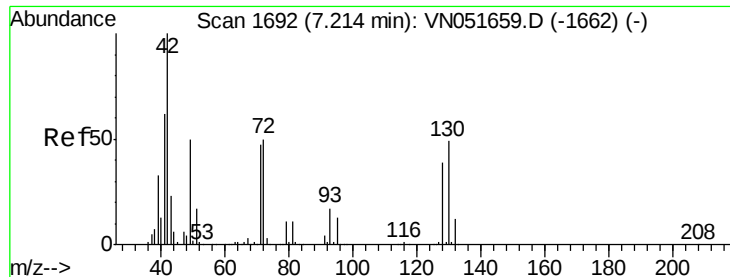
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion:	49	Resp:	241294
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.8
130	107.4	75.7	113.5





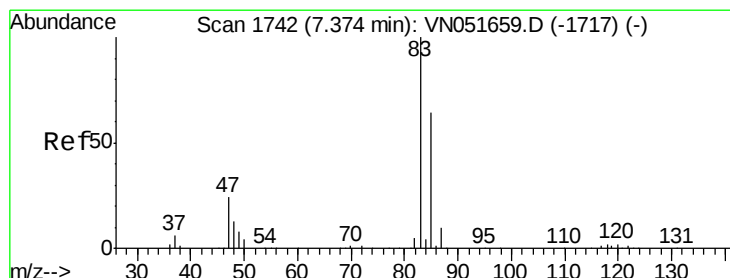
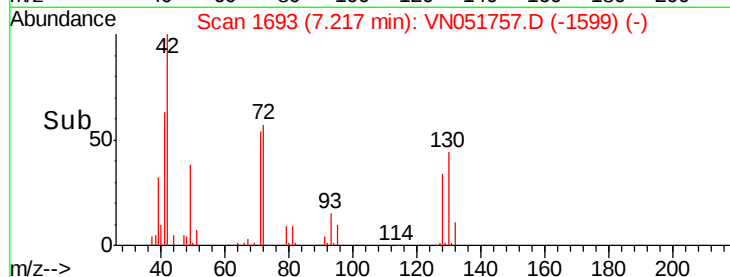
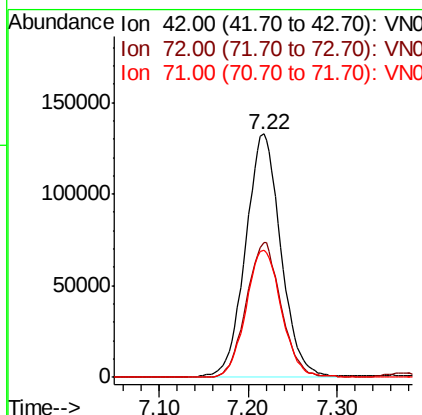
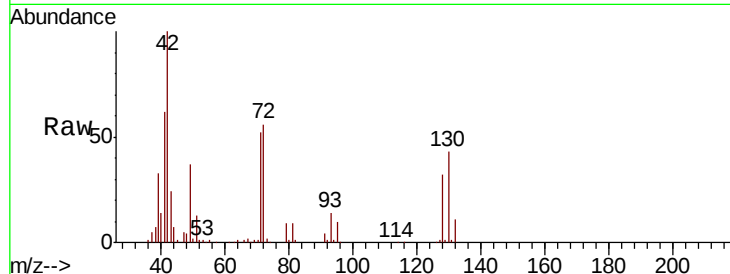
#29
Tetrahydrofuran
Concen: 245.546 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.1	40.1	60.1
71	52.8	38.0	57.0

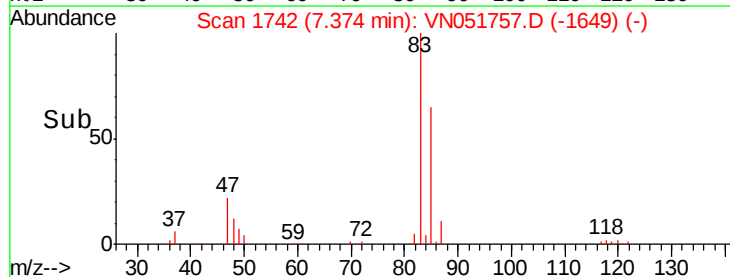
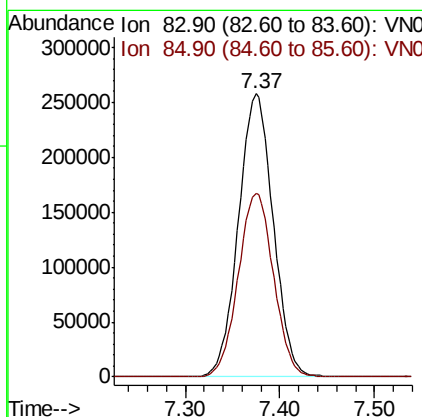
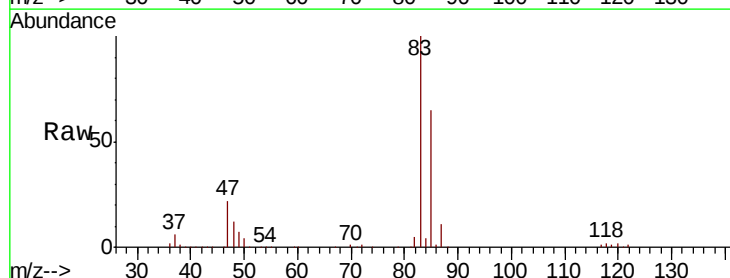
Manual Integrations
APPROVED

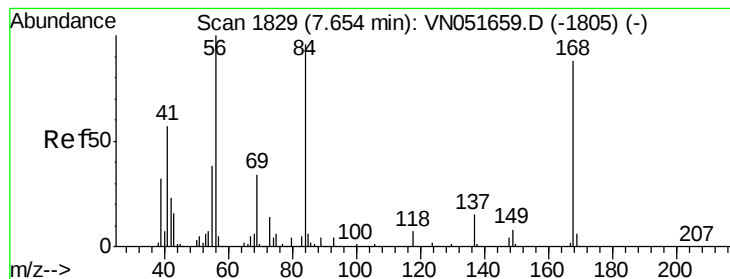
MMDadoda
10/10/2018 10:50:21 AM



#30
Chloroform
Concen: 47.486 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4





#31

Cyclohexane

Concen: 42.698 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

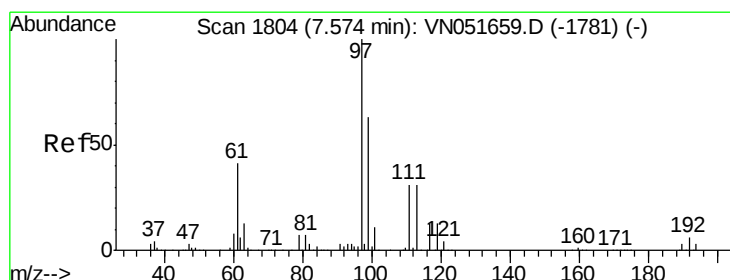
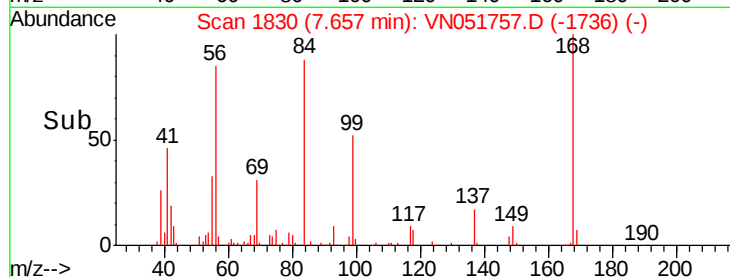
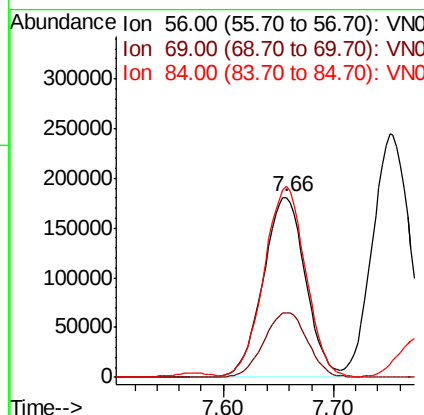
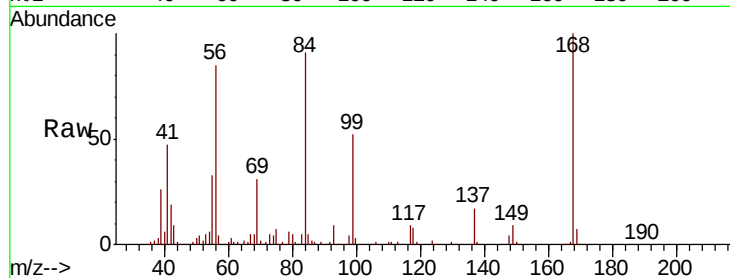
ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:	56	Resp:	482981
Ion Ratio	Lower	Upper	
56	100		
69	36.1	27.5	41.3
84	103.9	76.7	115.1

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#32

1,1,1-Trichloroethane

Concen: 47.492 ug/l

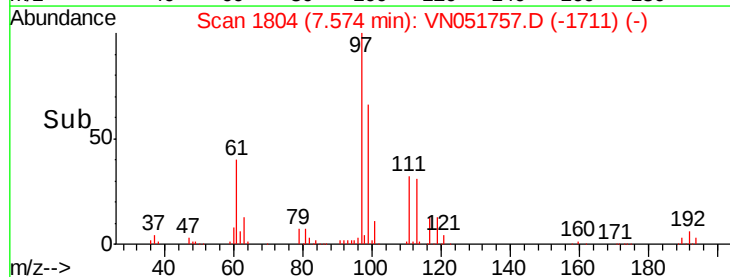
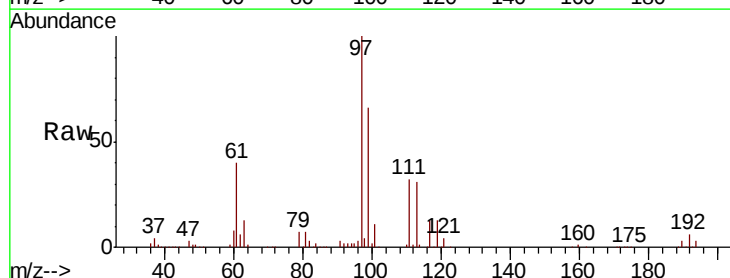
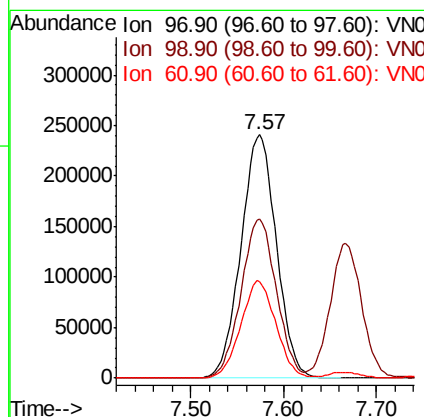
RT: 7.57 min Scan# 1804

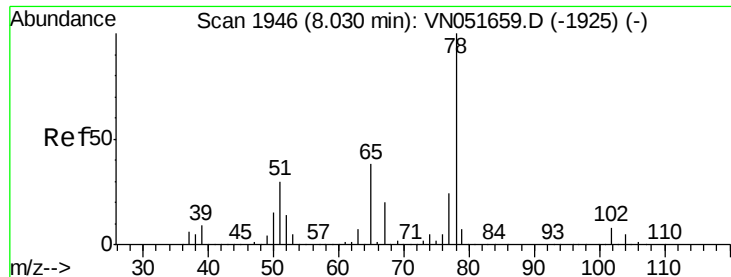
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion:	97	Resp:	638819
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.9	77.9
61	39.6	33.4	50.0





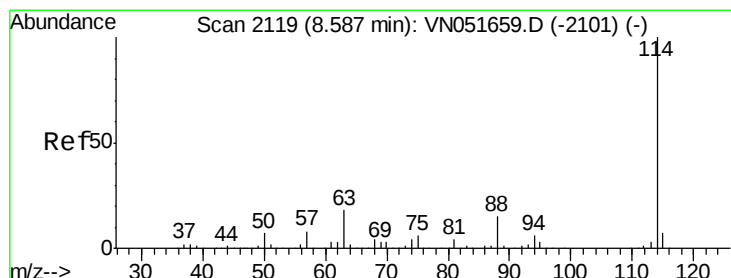
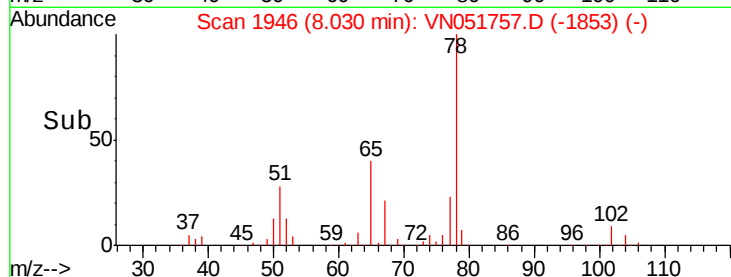
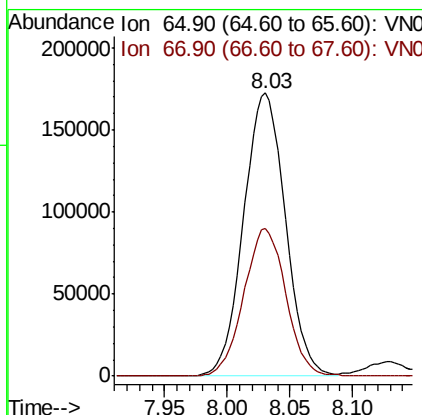
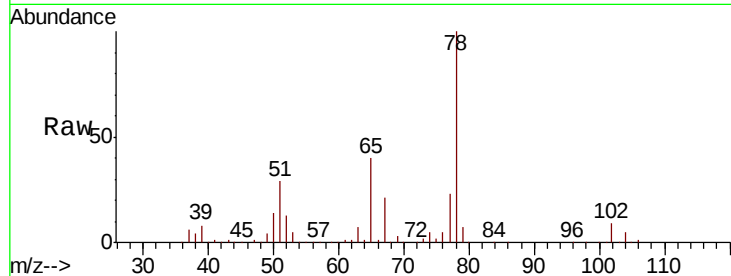
#33
 1,2-Dichloroethane-d4
 Concen: 47.492 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.6	

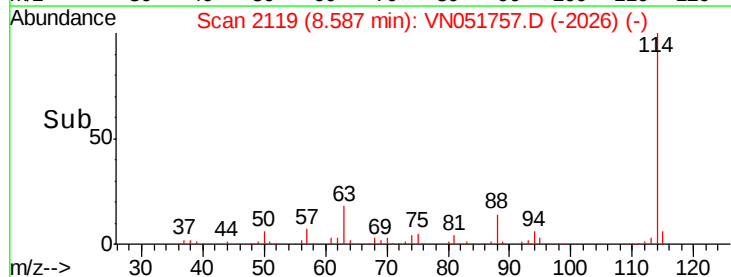
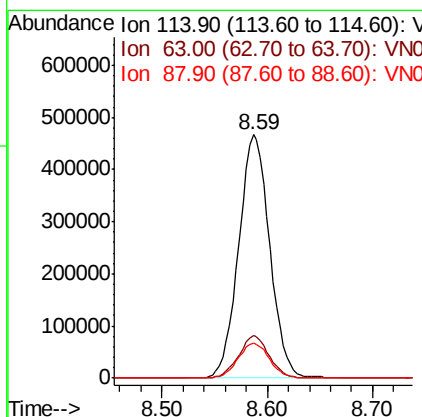
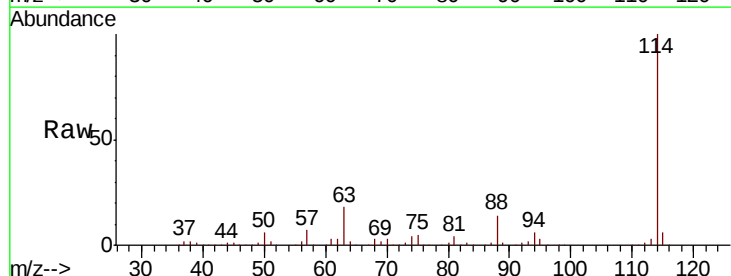
Manual Integrations
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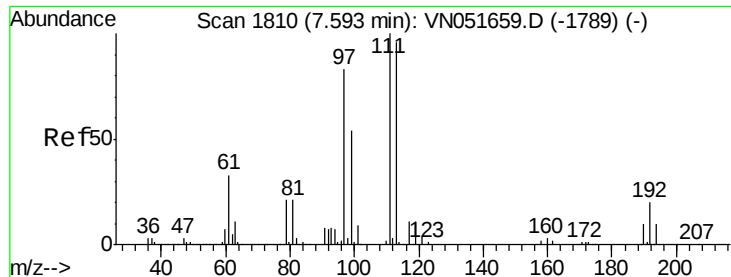
MMDadoda
 10/10/2018 10:50:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	36.2	
88	14.3	0.0	30.2	





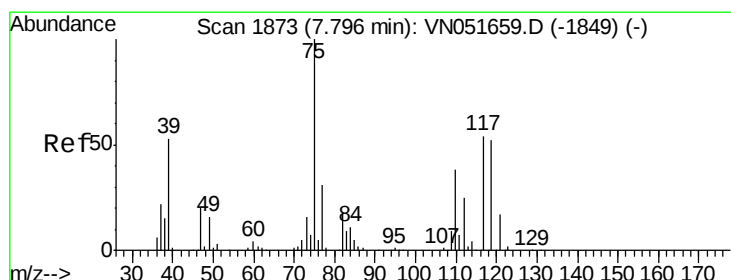
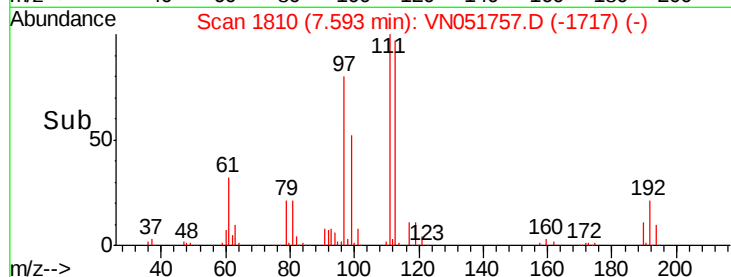
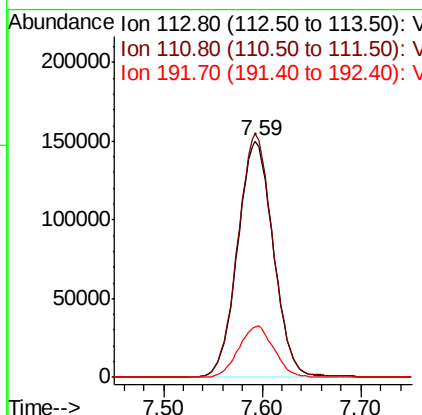
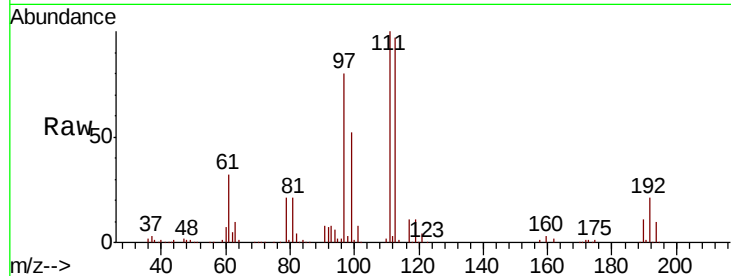
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	81.8	122.8	
192	21.4	16.5	24.7	

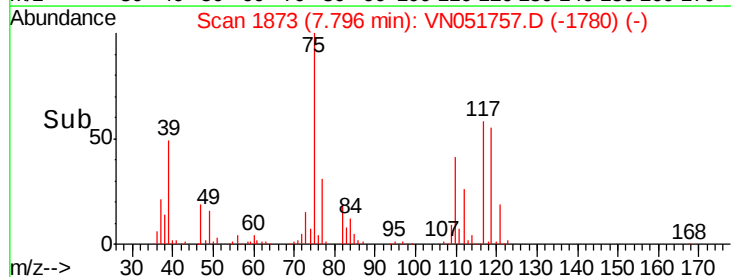
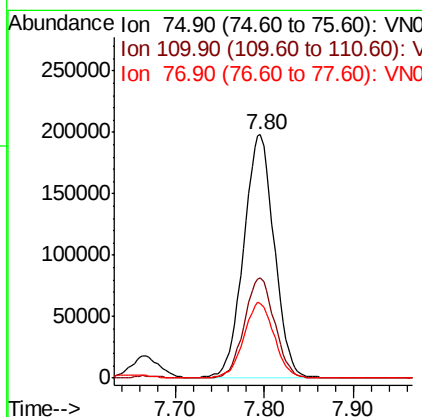
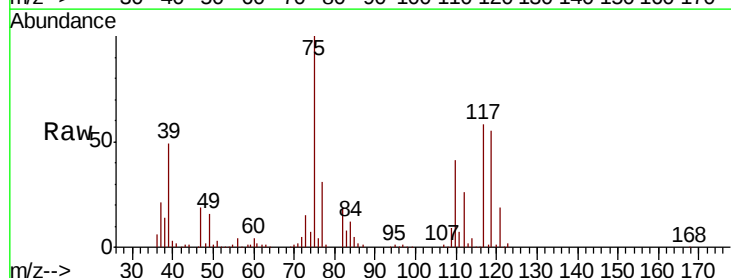
Manual Integrations
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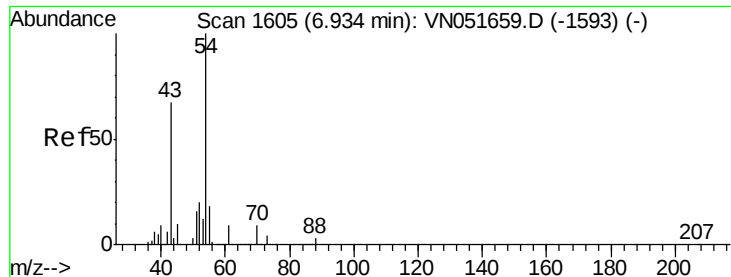
MMDadoda
 10/10/2018 10:50:21 AM



#36
 1,1-Dichloropropene
 Concen: 47.171 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	41.1	19.3	57.8	
77	31.2	24.7	37.1	





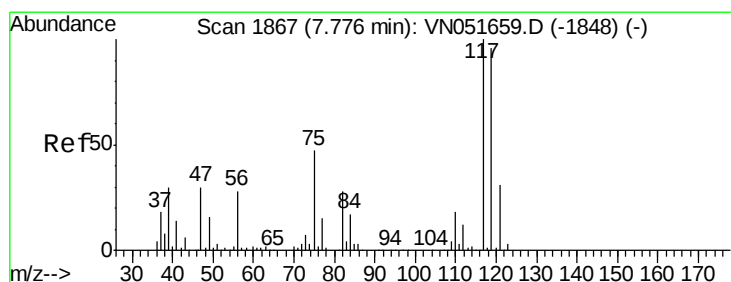
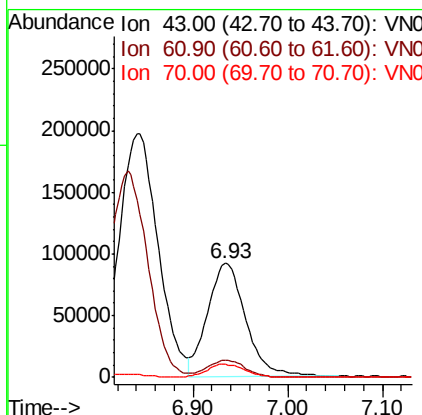
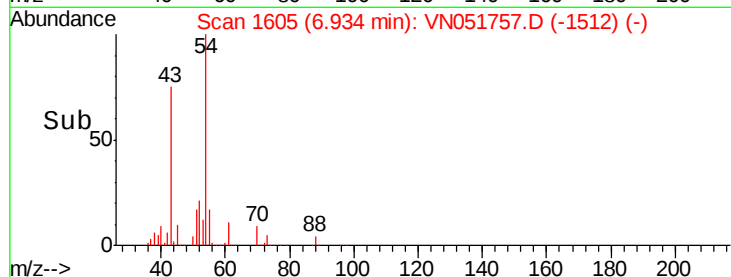
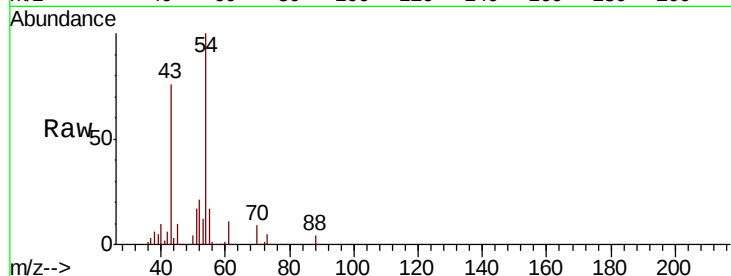
#37
Ethyl Acetate
Concen: 49.468 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	11.6	8.7	13.1

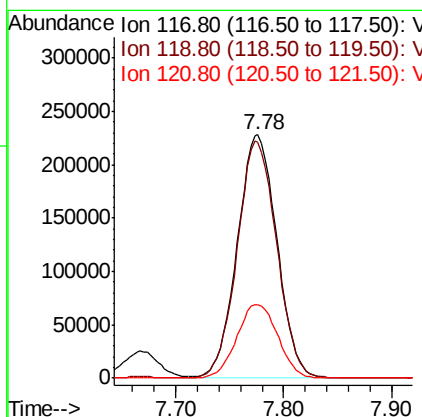
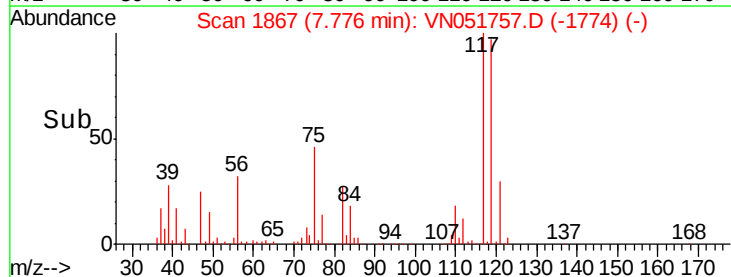
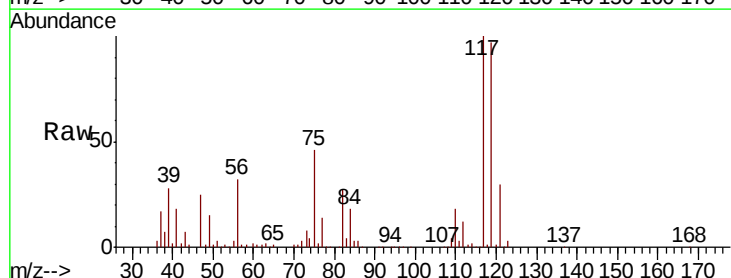
Manual Integrations
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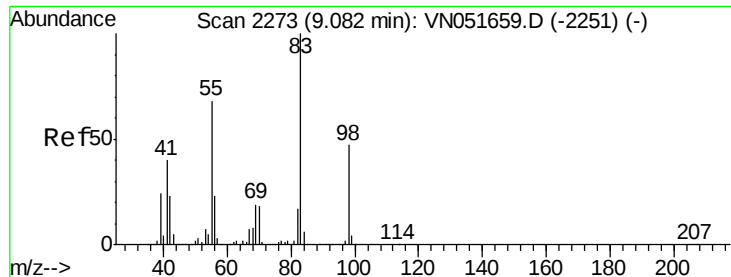
MMDadoda
10/10/2018 10:50:21 AM



#38
Carbon Tetrachloride
Concen: 48.421 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.6
121	30.4	25.0	37.6





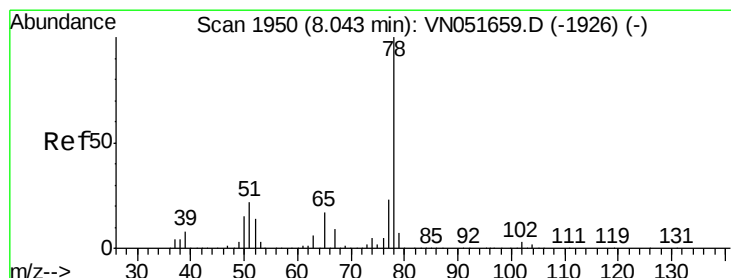
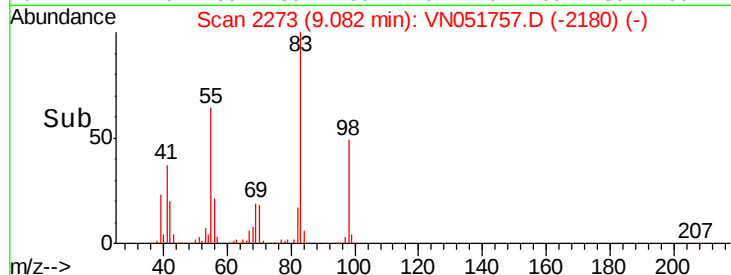
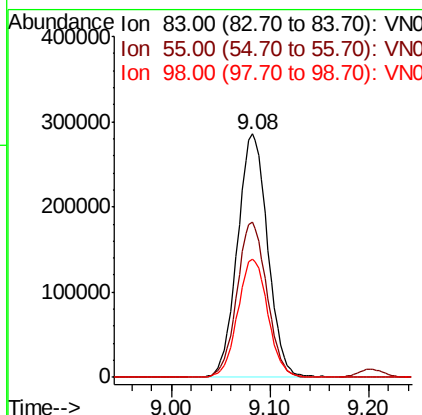
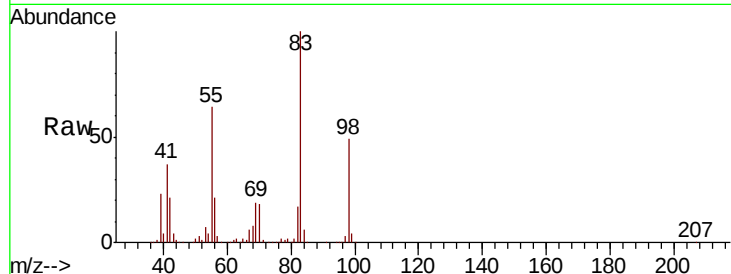
#39
Methvlcvclohexane
Concen: 48.460 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	606760		
55	63.8		54.3	81.5
98	48.6		37.4	56.2

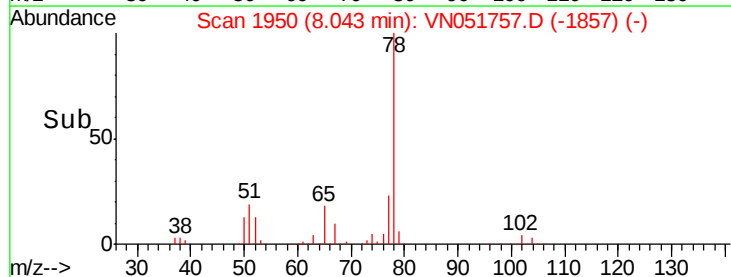
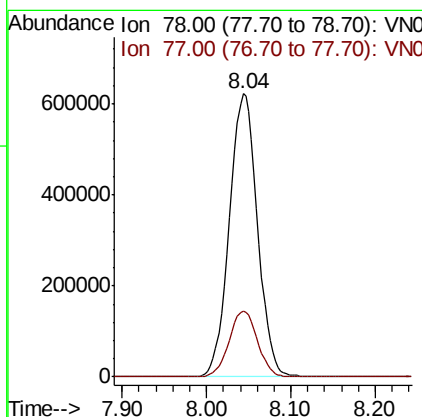
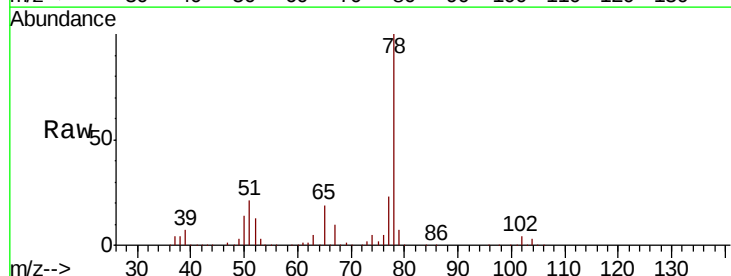
Manual Integrations
APPROVED

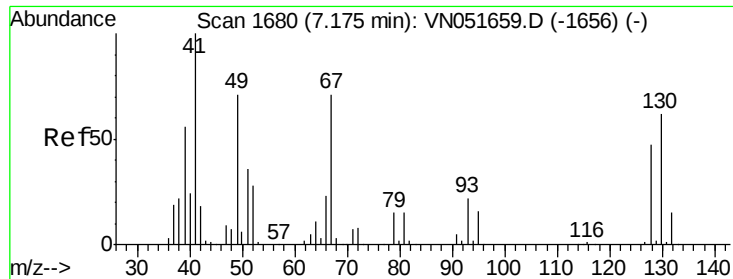
MMDadoda
10/10/2018 10:50:21 AM



#40
Benzene
Concen: 48.829 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1443849		
77	23.3		18.5	27.7





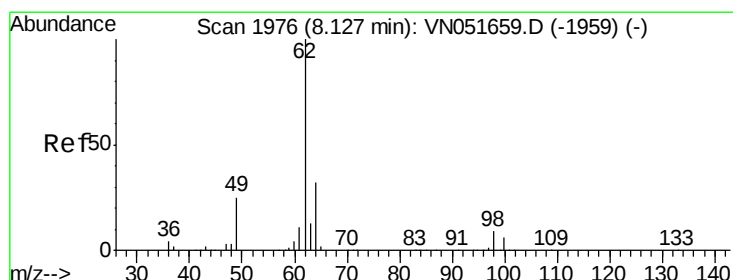
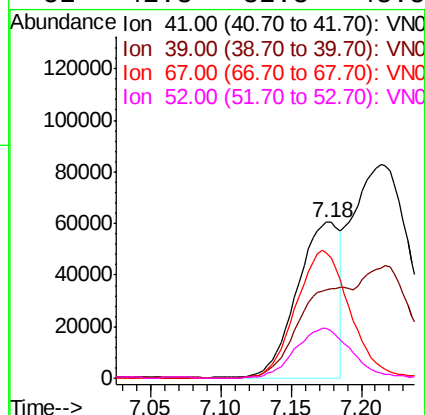
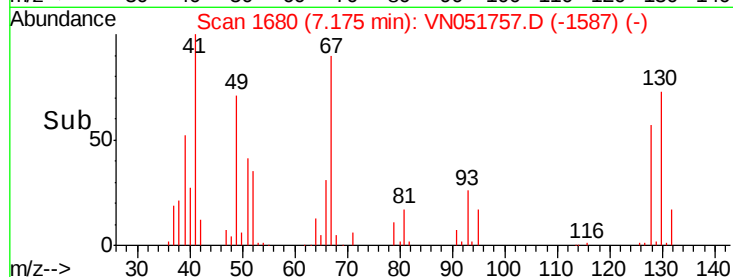
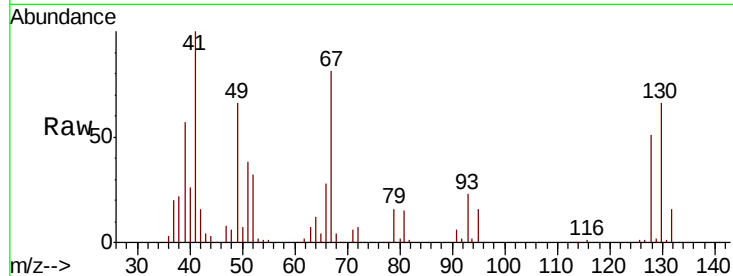
#41
Methacrylonitrile
Concen: 47.465 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	41	Resp	127264
Ion Ratio	Lower	Upper	
41	100		
39	74.4	53.9	80.9
67	103.9	78.1	117.1
52	42.3	32.3	48.5

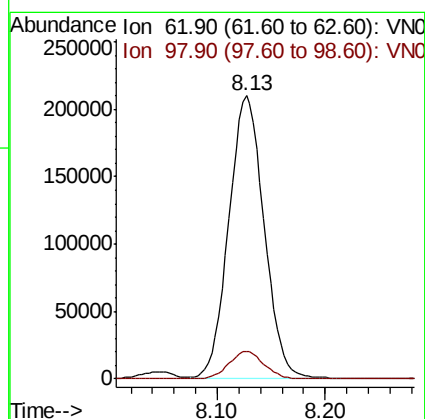
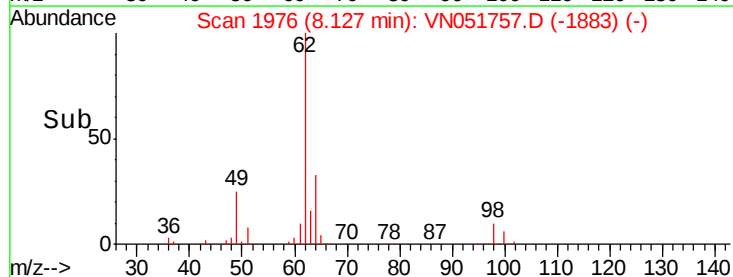
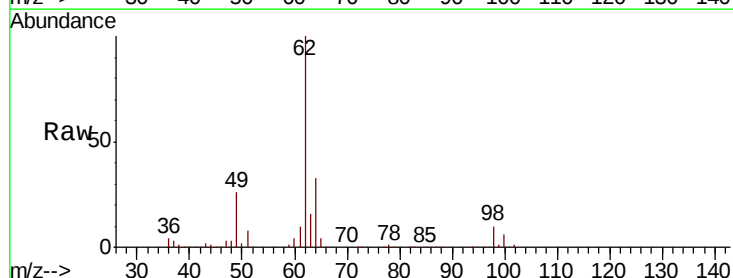
Manual Integrations
APPROVED

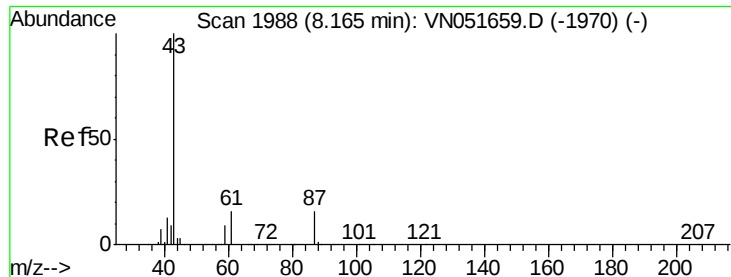
MMDadoda
10/10/2018 10:50:21 AM



#42
1,2-Dichloroethane
Concen: 47.910 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	62	Resp	477428
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	18.4





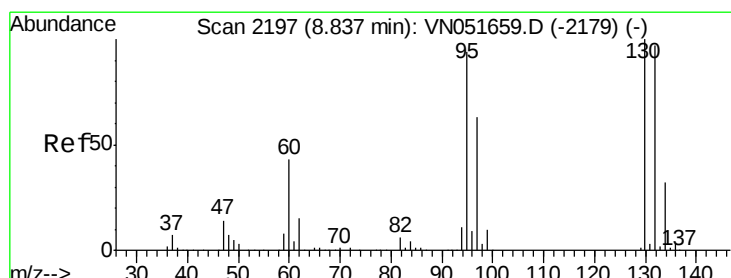
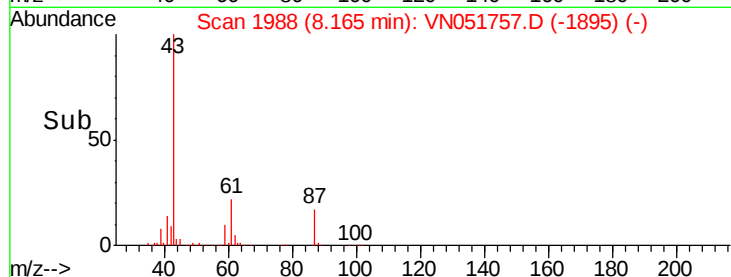
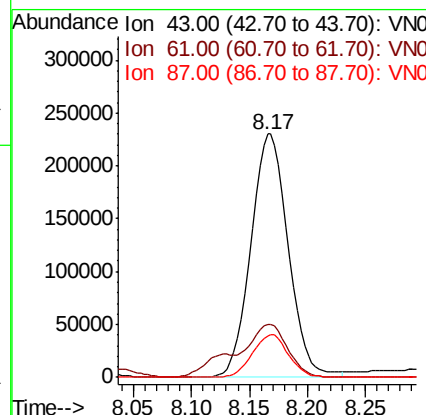
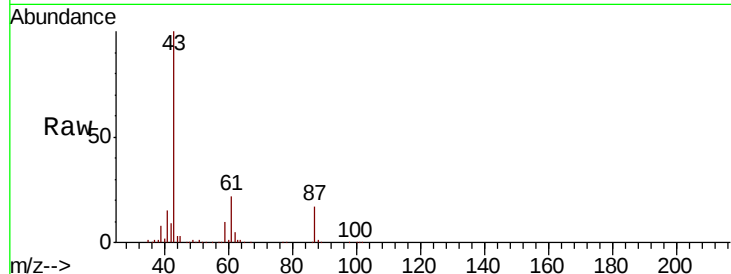
#43
Isopropyl Acetate
Concen: 47.424 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.8	23.6
87	17.0	12.6	19.0

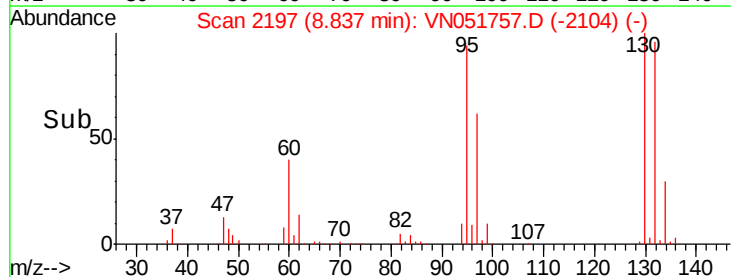
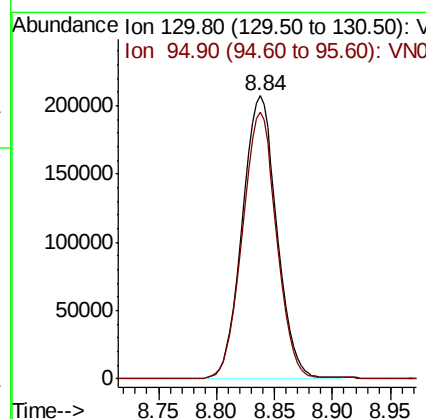
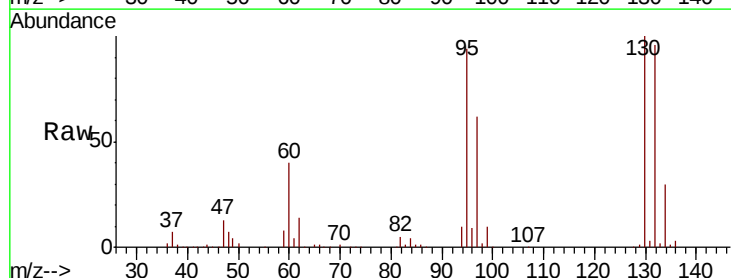
Manual Integrations
APPROVED

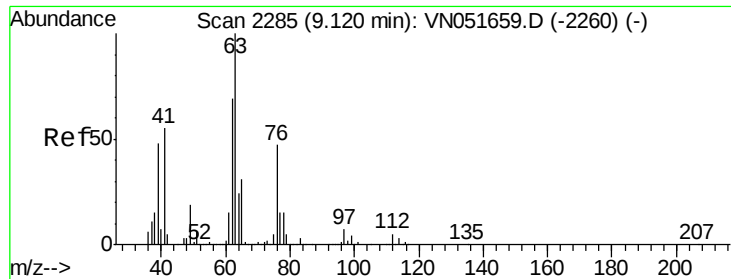
MMDadoda
10/10/2018 10:50:21 AM



#44
Trichloroethene
Concen: 51.060 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.0





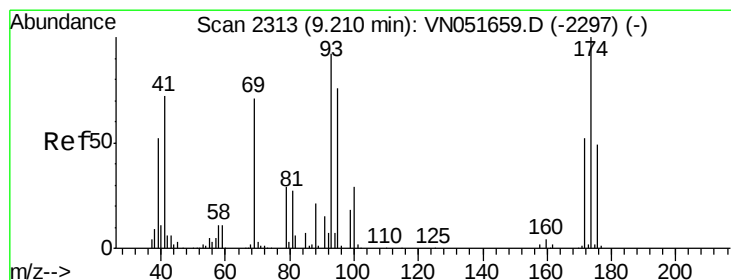
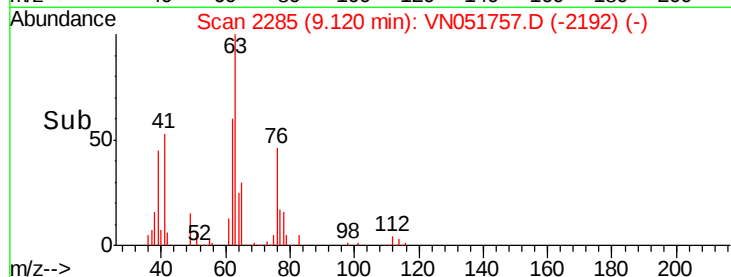
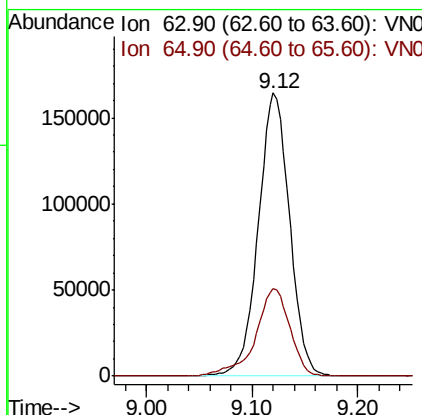
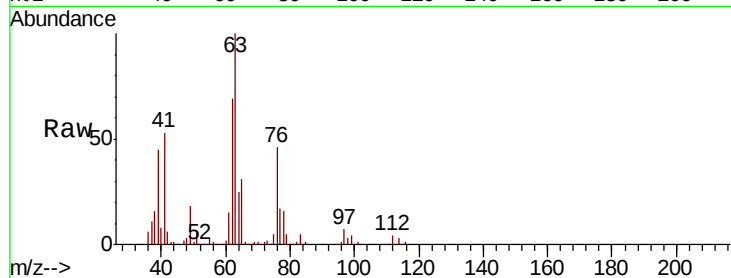
#45
 1,2-Dichloropropane
 Concen: 46.443 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4

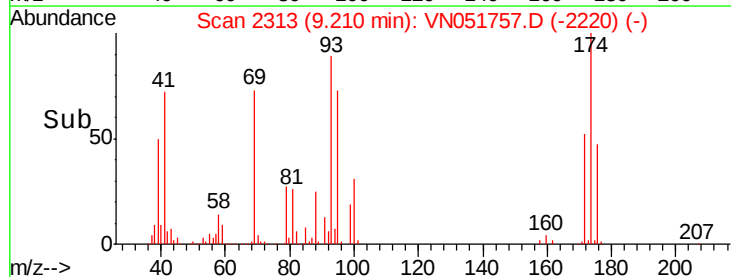
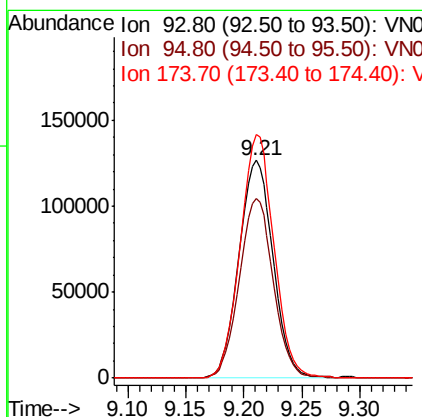
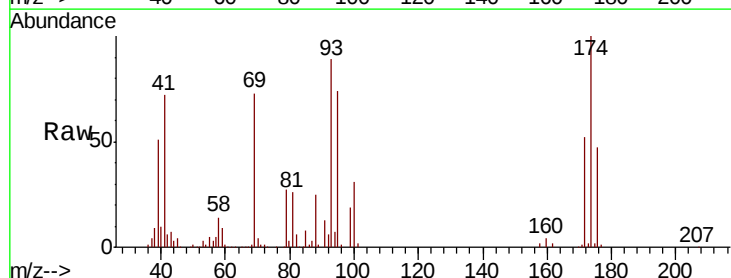
Manual Integrations
 APPROVED

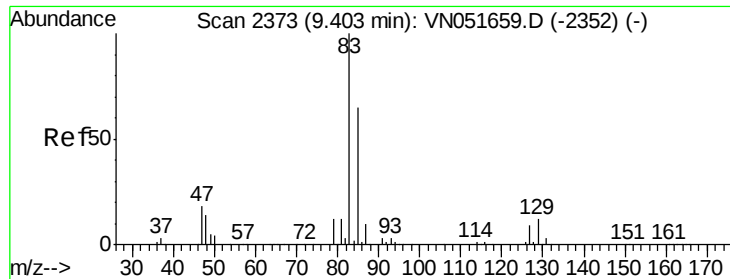
MMDadoda
 10/10/2018 10:50:21 AM



#46
 Dibromomethane
 Concen: 51.056 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.6	100.0
174	110.7	85.9	128.9





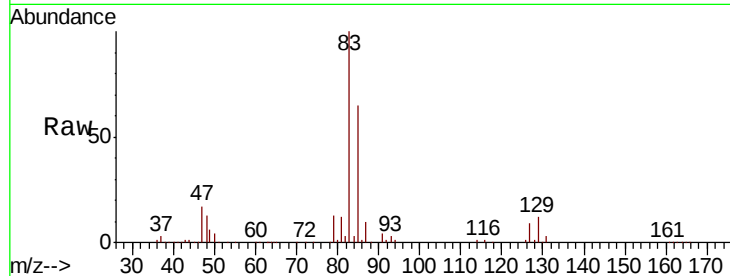
#47
Bromodichloromethane
Concen: 48.218 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

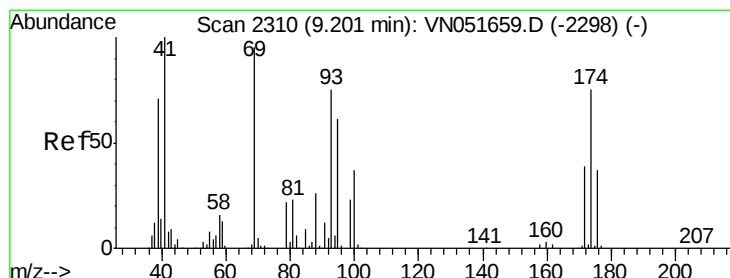
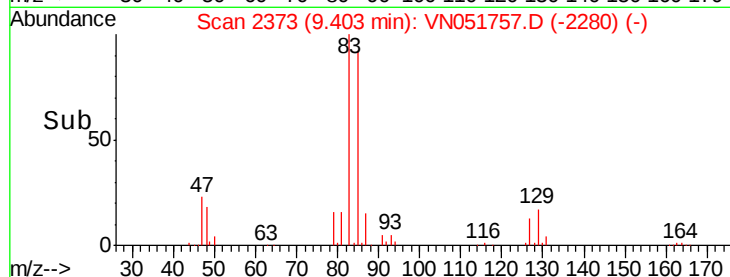
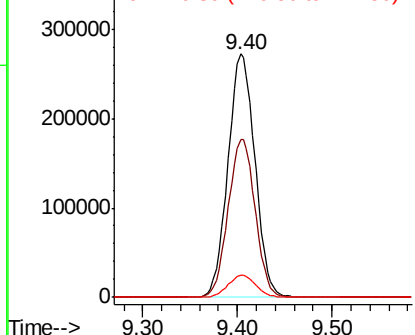
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	51.6	77.4	
127	9.3	7.3	10.9	

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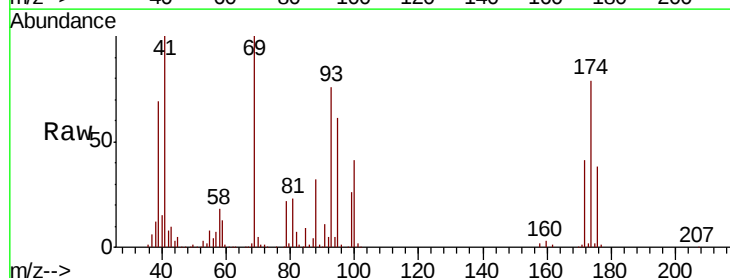


Abundance Ion 82.90 (82.60 to 83.60): VN051757.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051757.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051757.D (-2280) (-)

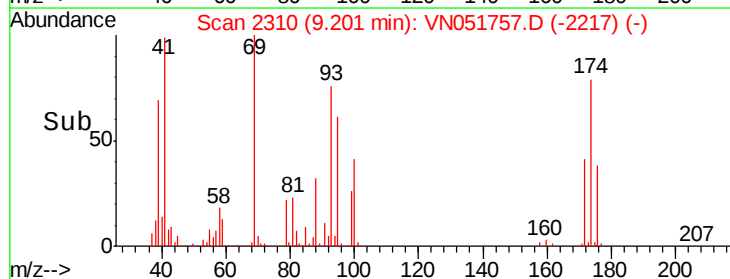
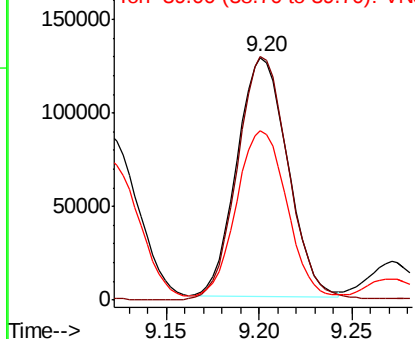


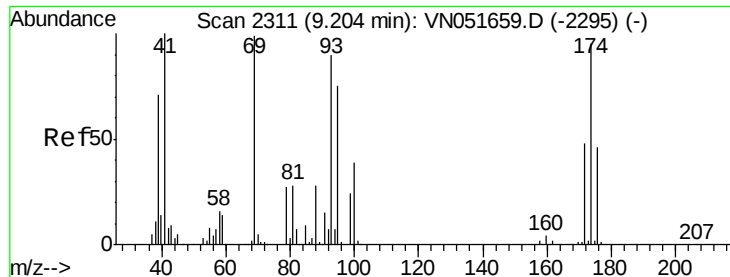
#48
Methyl methacrylate
Concen: 48.770 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	102.5	78.6	118.0	
39	71.7	59.2	88.8	



Abundance Ion 41.00 (40.70 to 41.70): VN051757.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051757.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051757.D (-2217) (-)





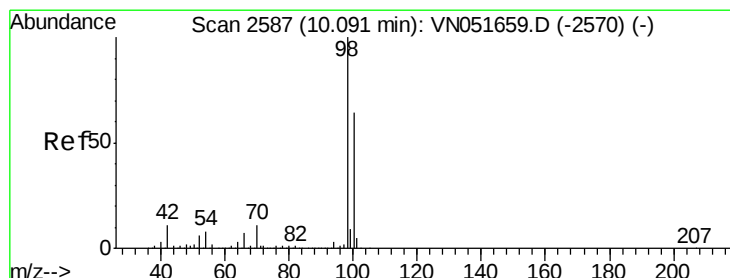
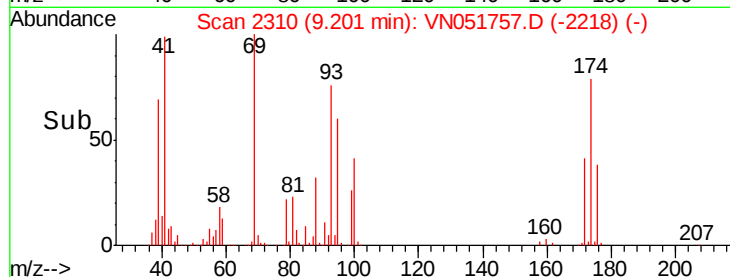
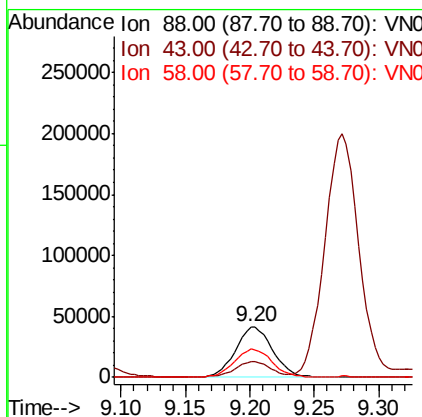
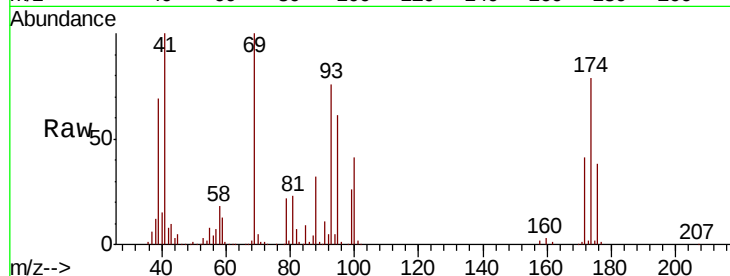
#49
1,4-Dioxane
Concen: 1128.593 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	88	Resp	83872
Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.5	36.7
58	57.0	47.6	71.4

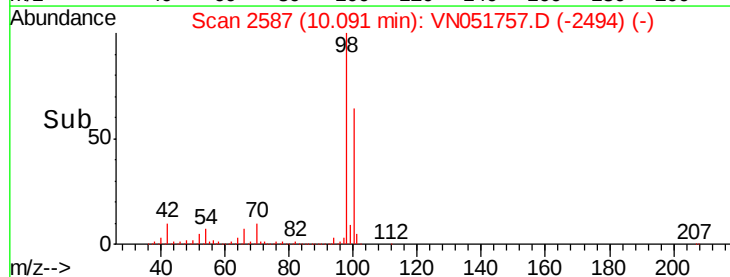
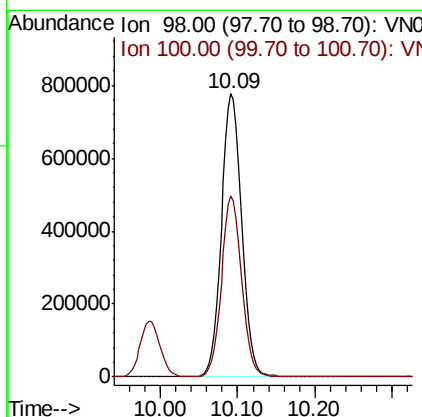
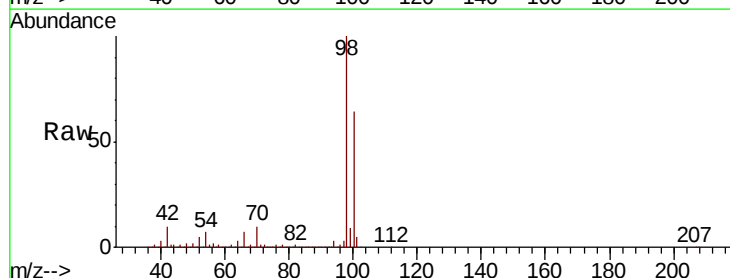
Manual Integrations
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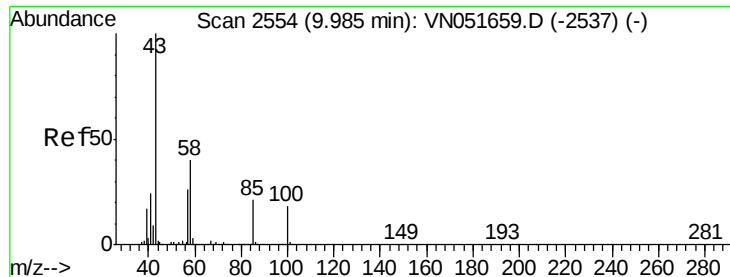
MMDadoda
10/10/2018 10:50:21 AM



#50
Toluene-d8
Concen: 1128.593 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	98	Resp	1423639
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3





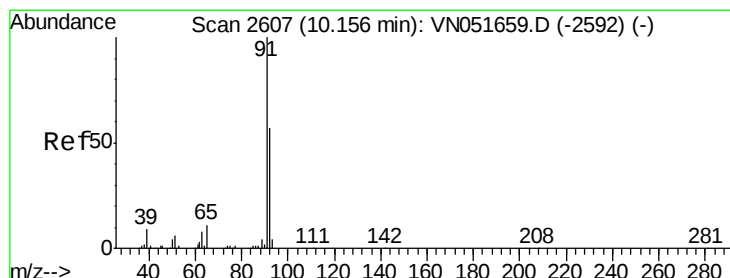
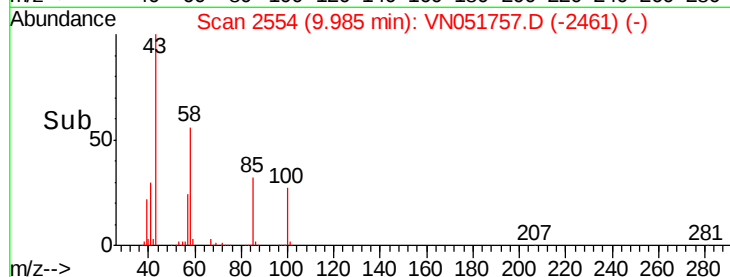
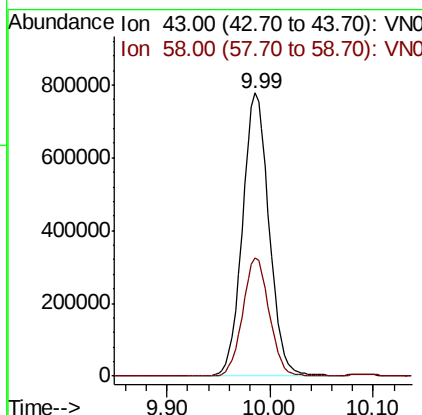
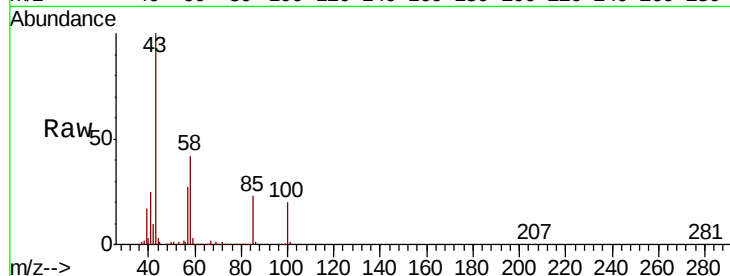
#51
4-Methyl-2-Pentanone
Concen: 252.727 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 43 Resp: 1389008
Ion Ratio Lower Upper
43 100
58 41.8 32.2 48.2

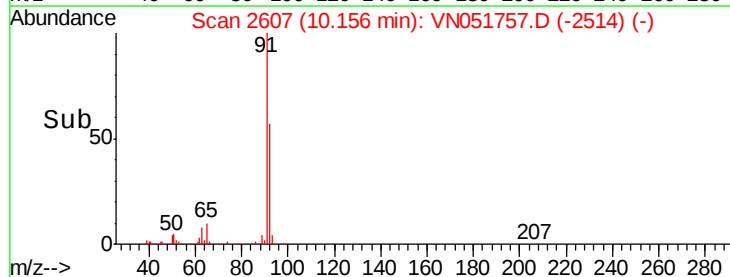
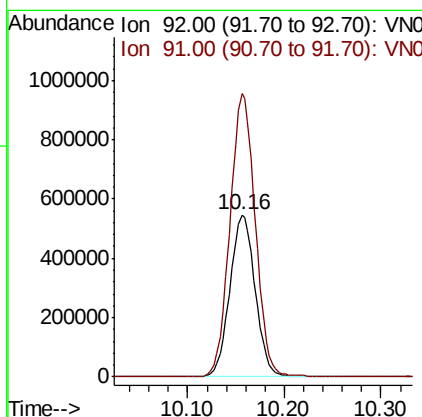
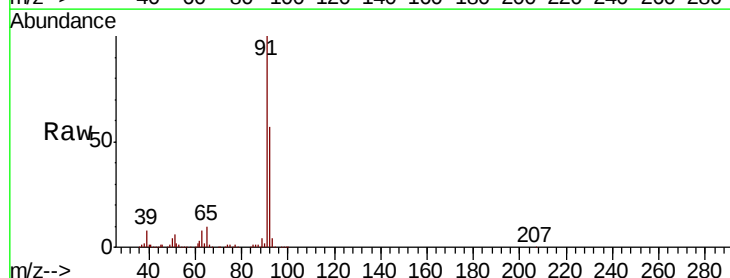
Manual Integrations
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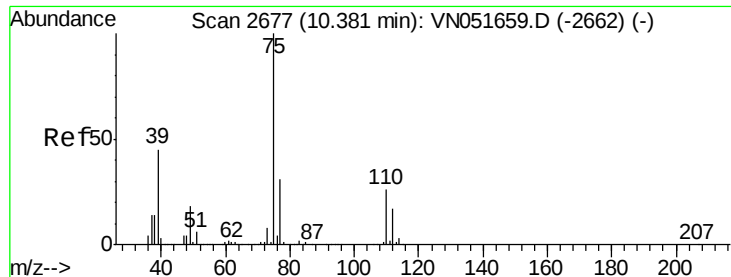
MMDadoda
10/10/2018 10:50:21 AM



#52
Toluene
Concen: 50.447 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 92 Resp: 992119
Ion Ratio Lower Upper
92 100
91 174.9 140.3 210.5





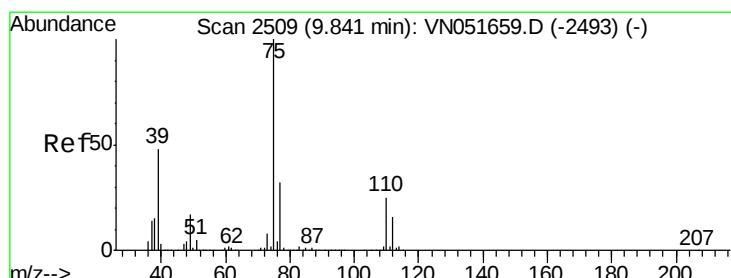
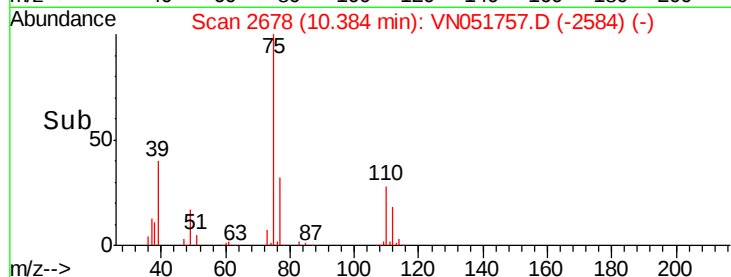
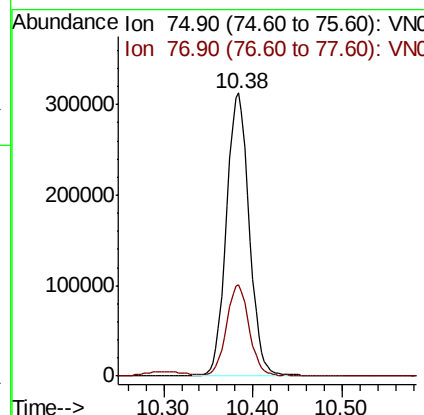
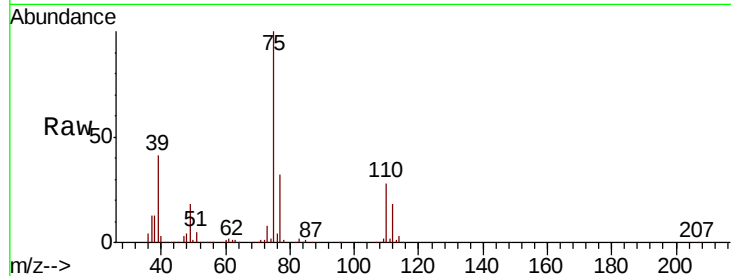
#53
t-1,3-Dichloropropene
Concen: 48.133 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3

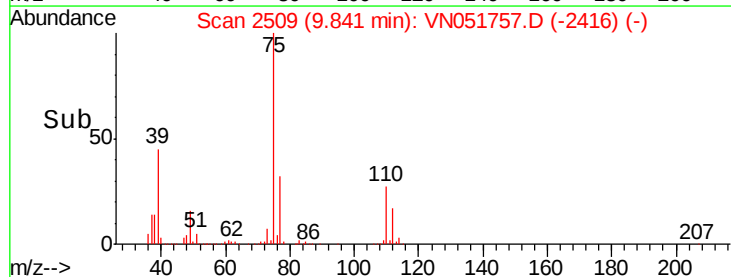
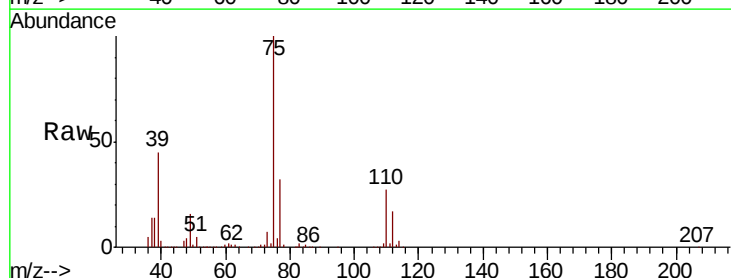
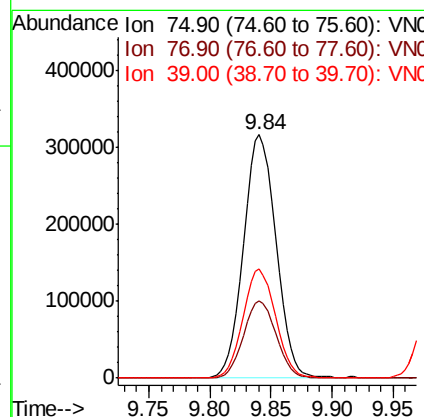
Manual Integrations
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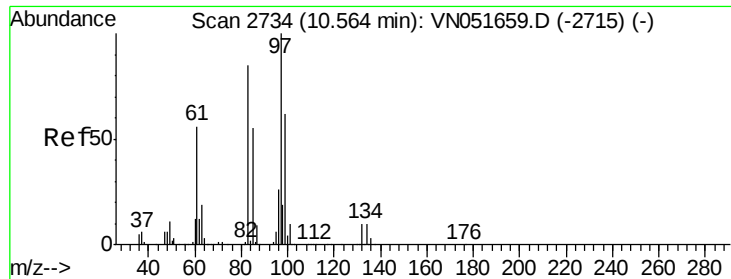
MMDadoda
10/10/2018 10:50:21 AM



#54
cis-1,3-Dichloropropene
Concen: 47.407 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5
39	44.7	38.1	57.1





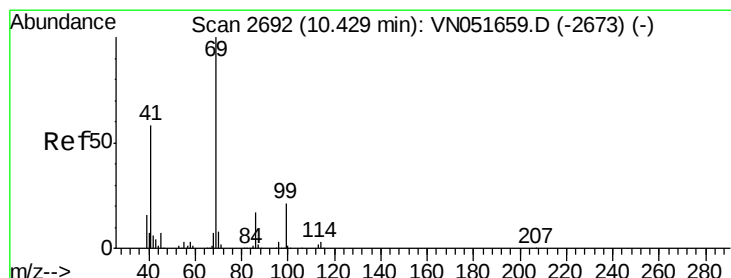
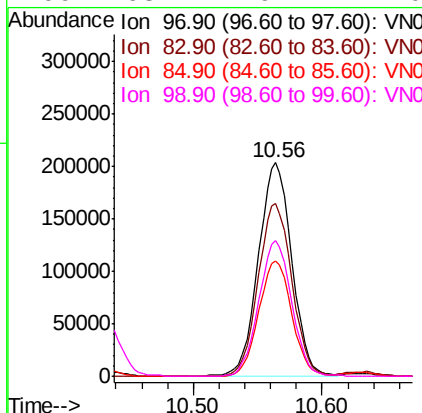
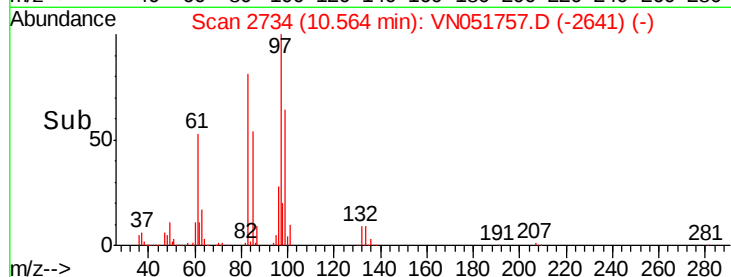
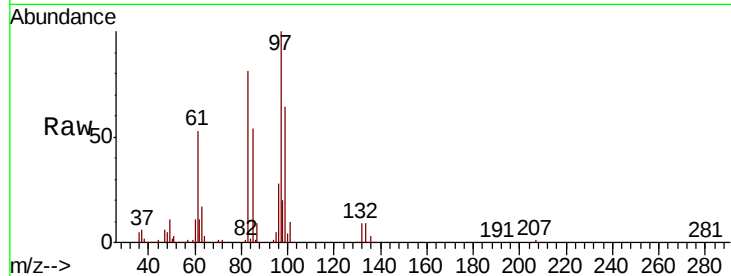
#55
 1,1,2-Trichloroethane
 Concen: 52.569 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		368295		
83	80.7	68.1	102.1		
85	53.9	43.6	65.4		
99	63.4	49.4	74.0		

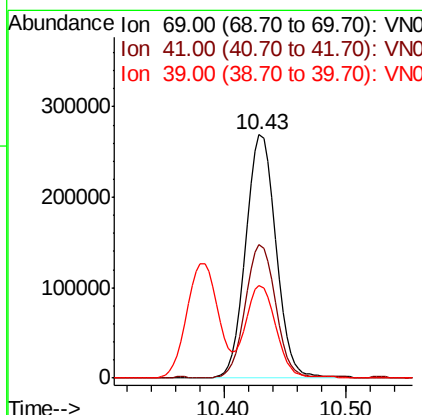
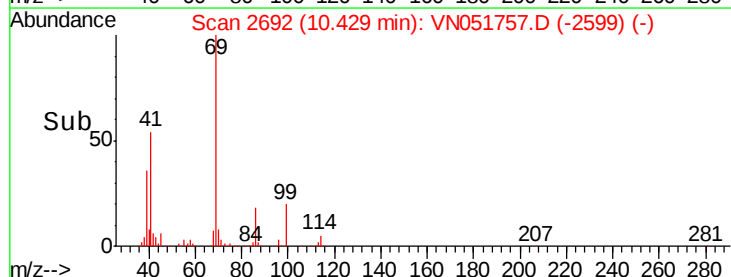
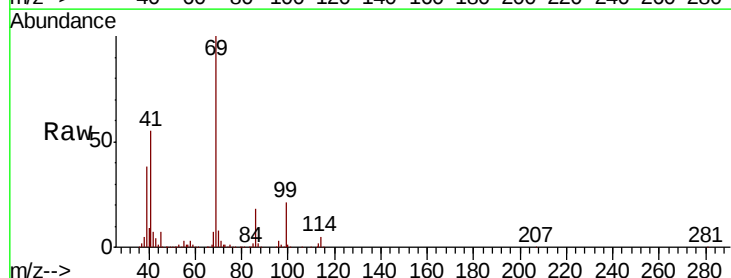
Manual Integrations
 APPROVED

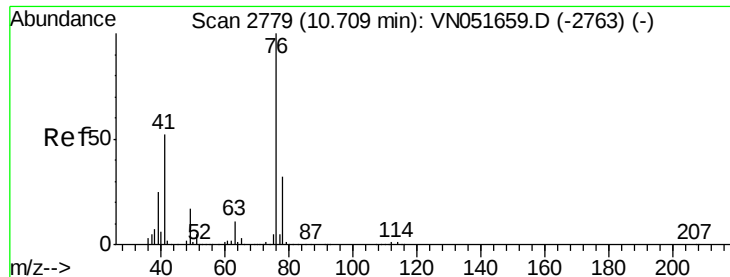
MMDadoda
 10/10/2018 10:50:21 AM



#56
 Ethyl methacrylate
 Concen: 51.788 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		458832		
41	54.6	46.4	69.6		
39	38.6	32.4	48.6		





#57

1,3-Dichloropropane

Concen: 51.028 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 76 Resp: 565812

Ion Ratio Lower Upper

76 100

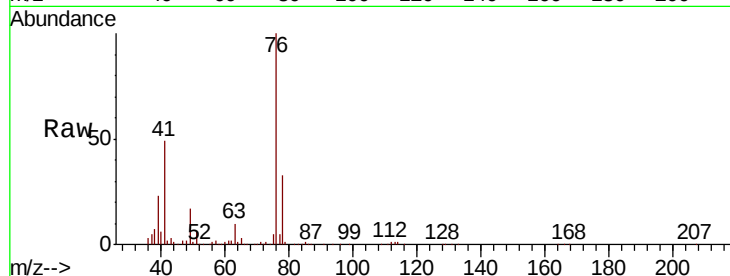
78 32.7 26.0 39.0

Manual Integrations

APPROVED

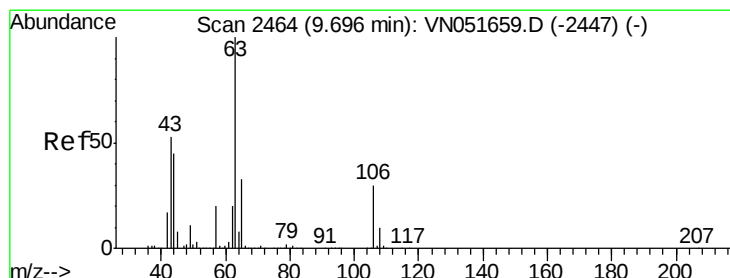
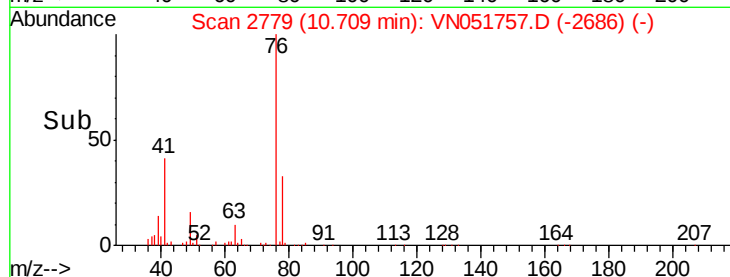
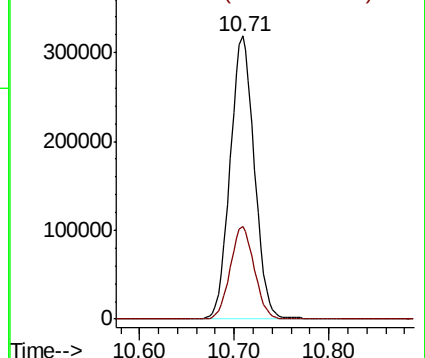
MMDadoda

10/10/2018 10:50:21 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 256.592 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051757.D

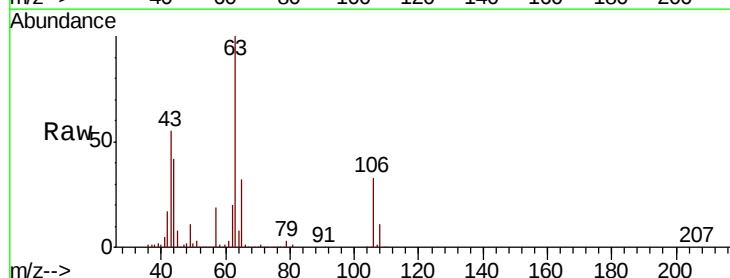
Acq: 9 Oct 2018 18:57

Tgt Ion: 63 Resp: 940859

Ion Ratio Lower Upper

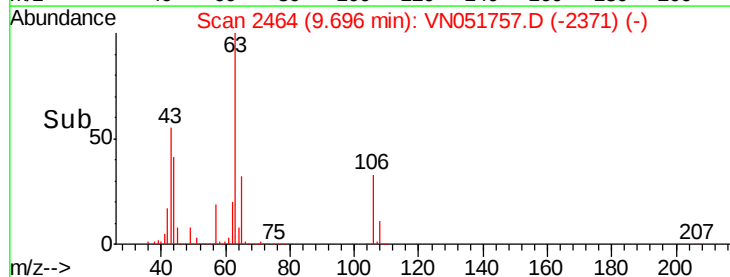
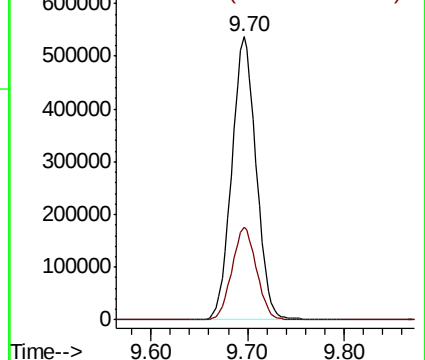
63 100

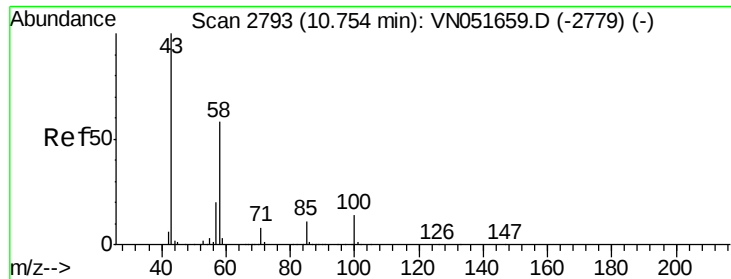
106 33.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





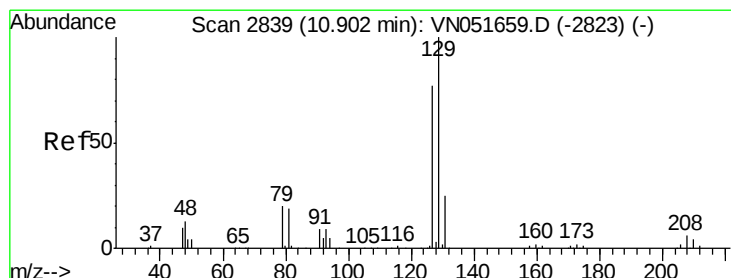
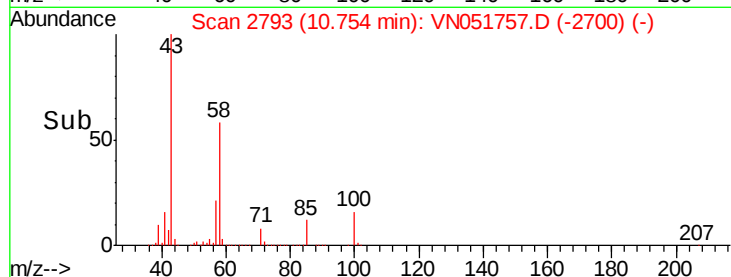
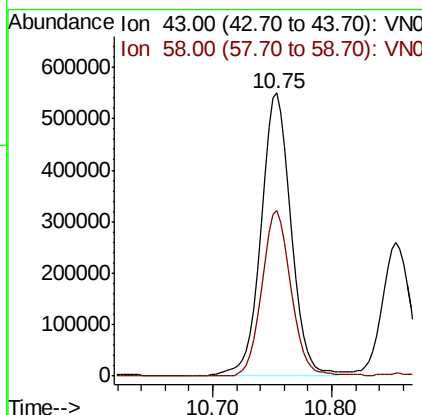
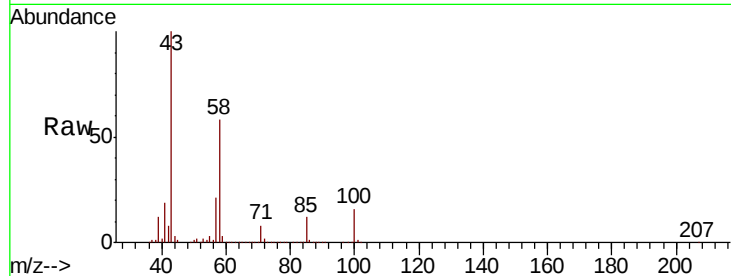
#59
2-Hexanone
Concen: 256.650 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 43 Resp: 957961
Ion Ratio Lower Upper
43 100
58 57.1 28.8 86.4

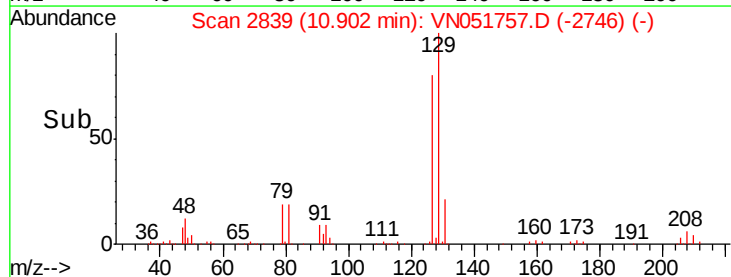
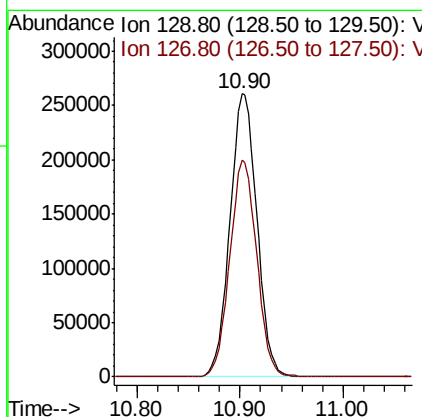
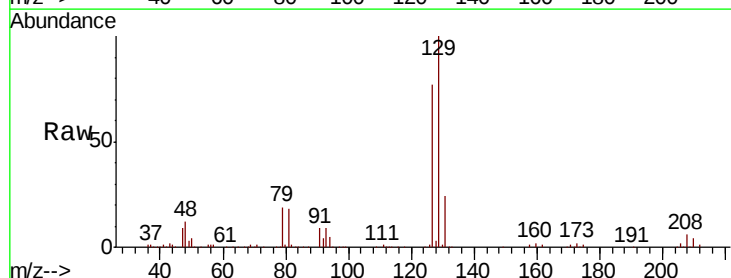
Manual Integrations
APPROVED

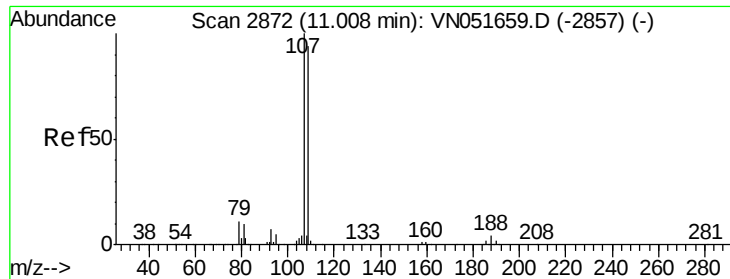
MMDadoda
10/10/2018 10:50:21 AM



#60
Dibromochloromethane
Concen: 51.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 129 Resp: 475845
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 53.101 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:107 Resp: 393285

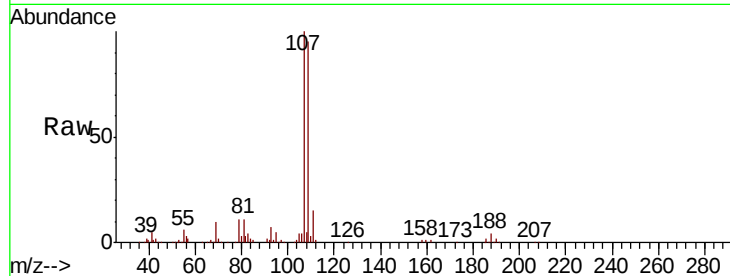
Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
10/10/2018 10:50:21 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

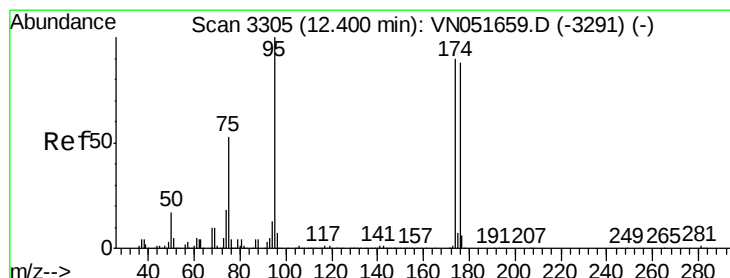
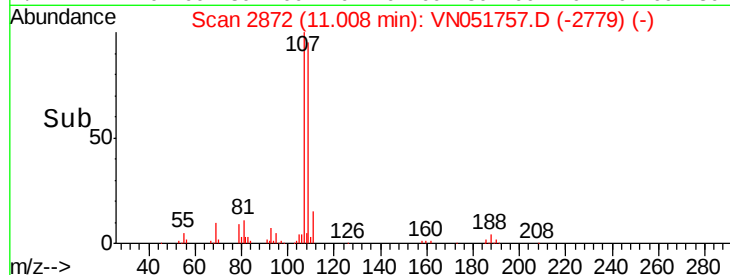
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.101 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

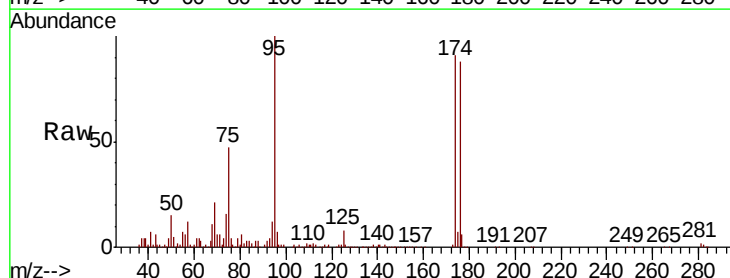
Tgt Ion: 95 Resp: 552134

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.8

176 90.3 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

400000

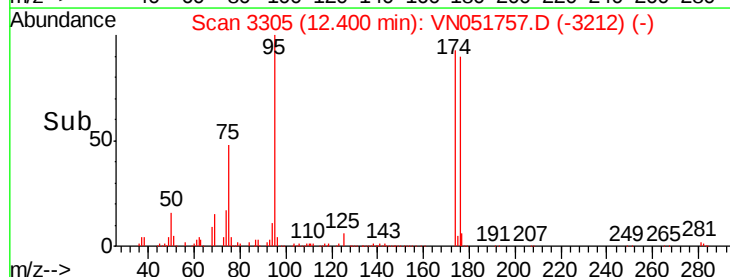
300000

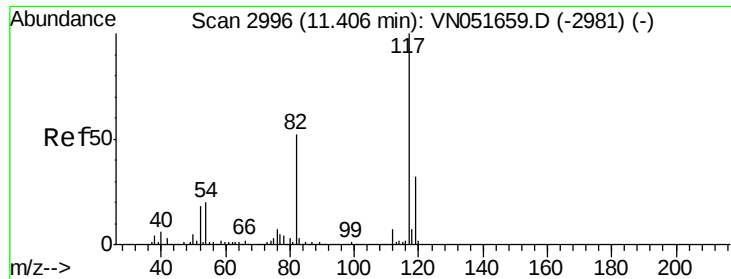
200000

100000

0

Time-->





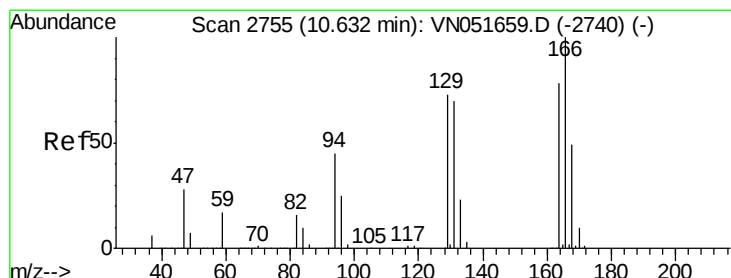
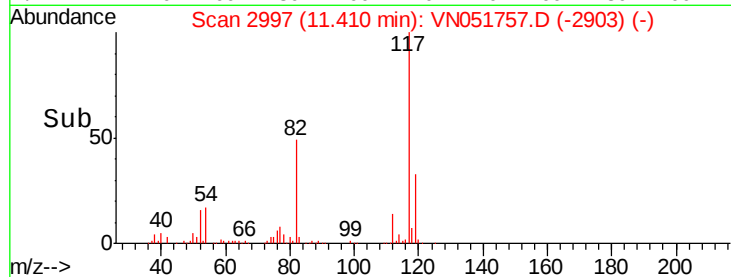
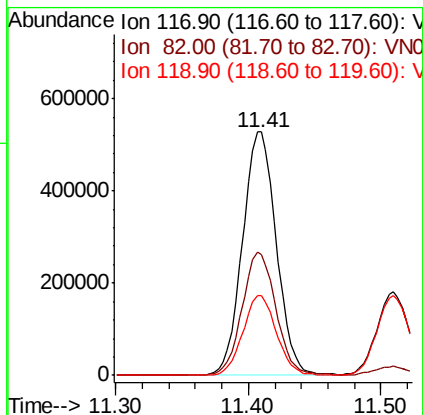
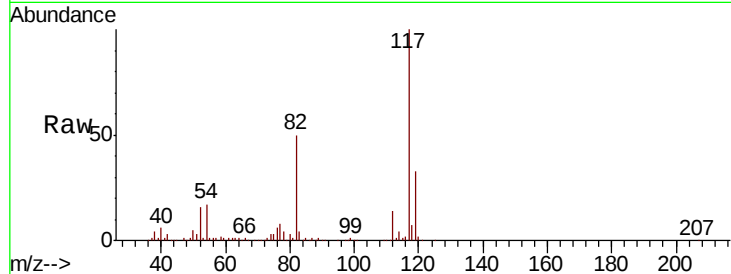
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	933667		
82	49.3		41.3	61.9
119	32.6		25.9	38.9

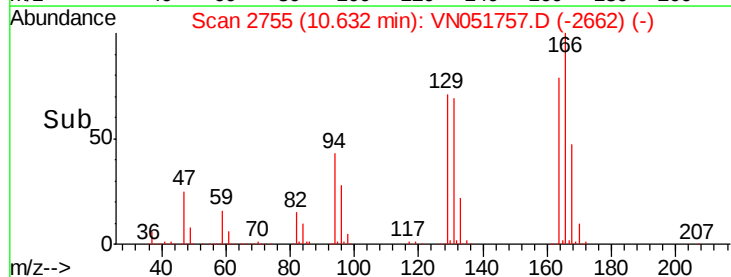
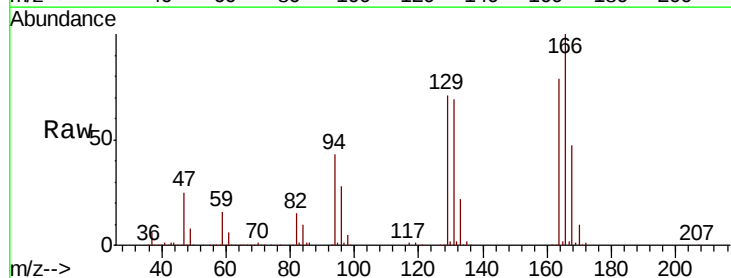
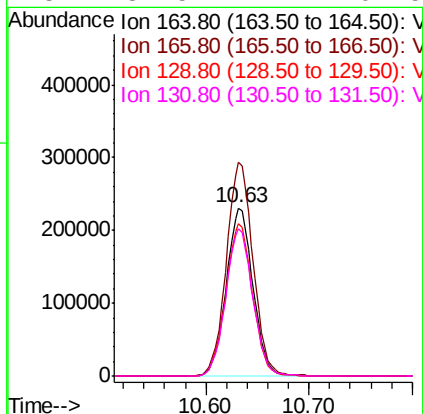
Manual Integrations
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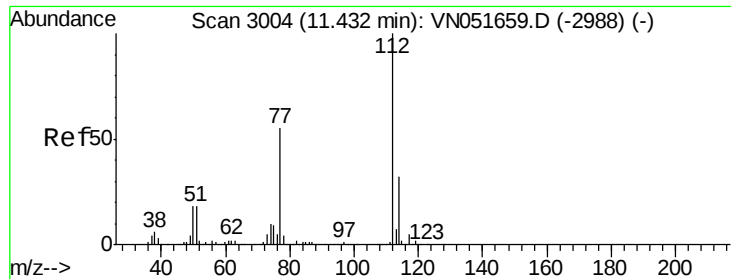
MMDadoda
10/10/2018 10:50:21 AM



#64
Tetrachloroethene
Concen: 50.353 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	414772		
166	127.1		103.0	154.6
129	90.4		75.2	112.8
131	87.5		71.7	107.5





#65

Chlorobenzene

Concen: 49.963 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:112 Resp: 1155345

Ion Ratio Lower Upper

112 100

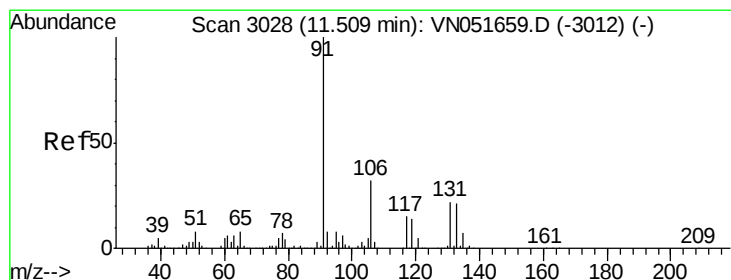
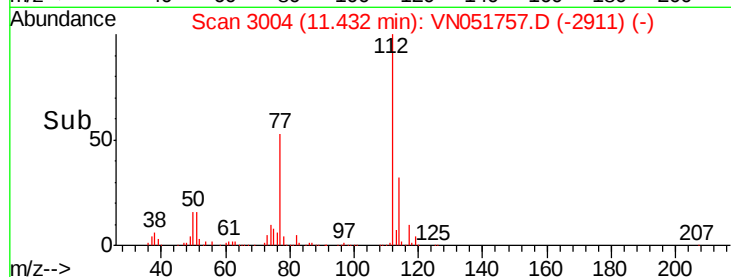
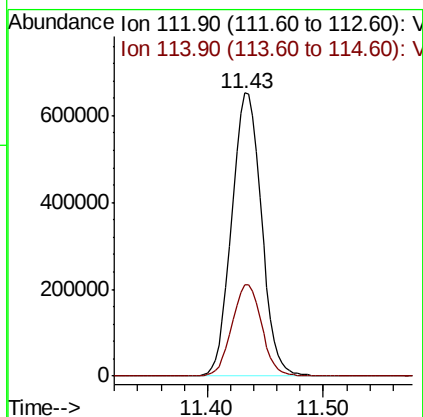
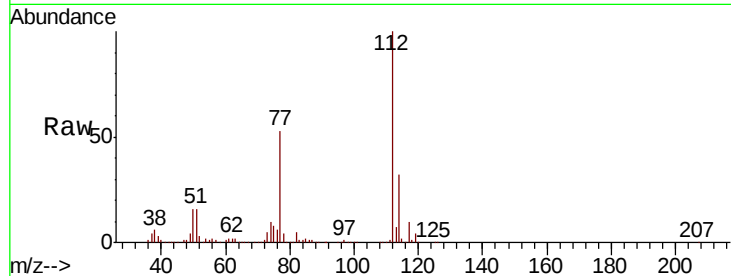
114 32.1 25.9 38.9

Manual Integrations

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MMDadoda

10/10/2018 10:50:21 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.856 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

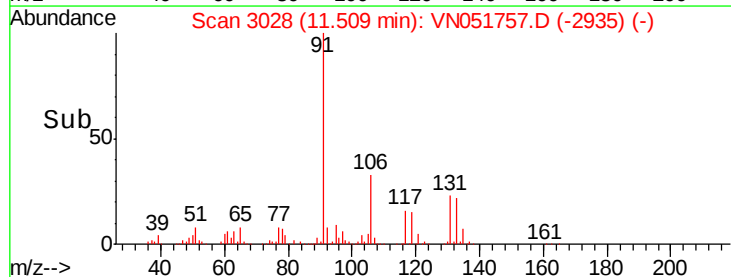
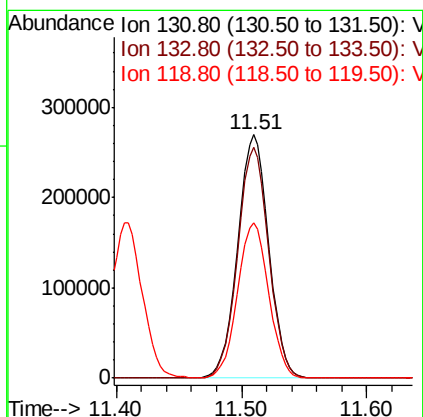
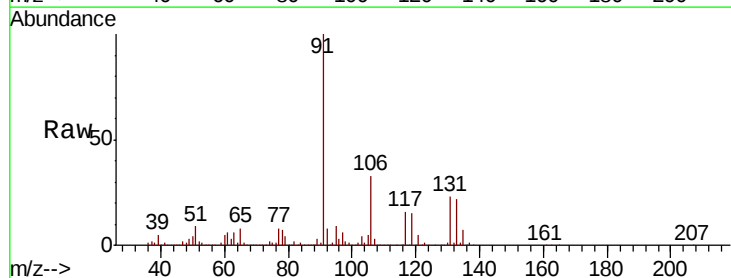
Tgt Ion:131 Resp: 461612

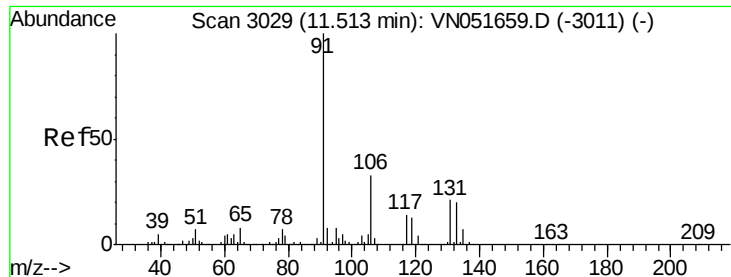
Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

119 64.2 32.0 96.0





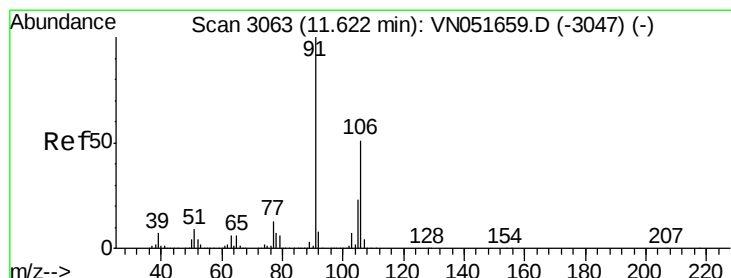
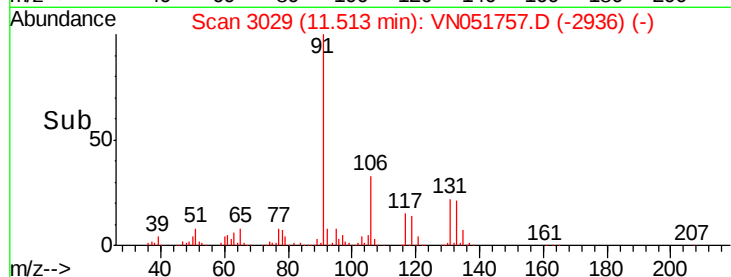
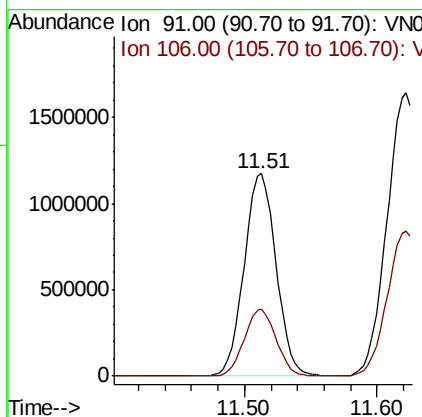
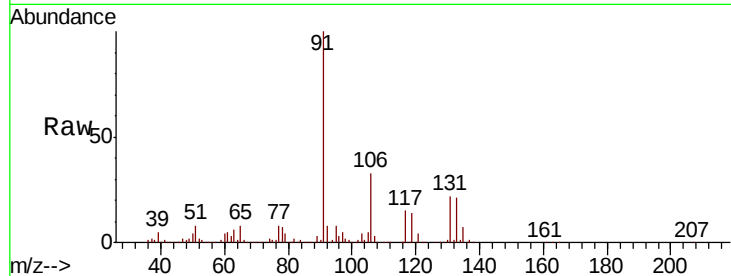
#67
Ethyl Benzene
Concen: 49.223 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 91 Resp: 1967345
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

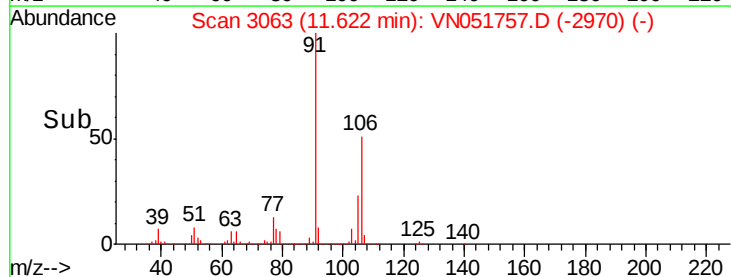
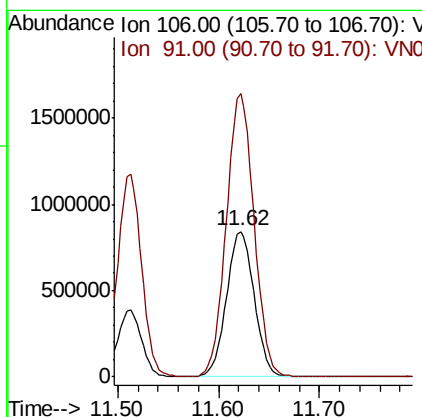
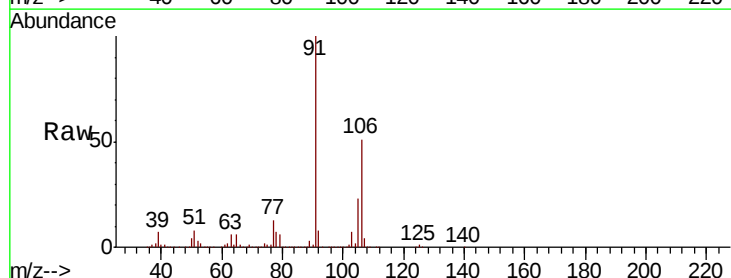
Manual Integrations
APPROVED

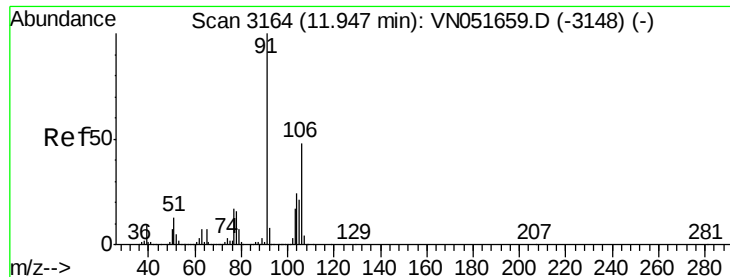
MMDadoda
10/10/2018 10:50:21 AM



#68
m/p-Xylenes
Concen: 100.926 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 106 Resp: 1613998
Ion Ratio Lower Upper
106 100
91 195.0 158.4 237.6





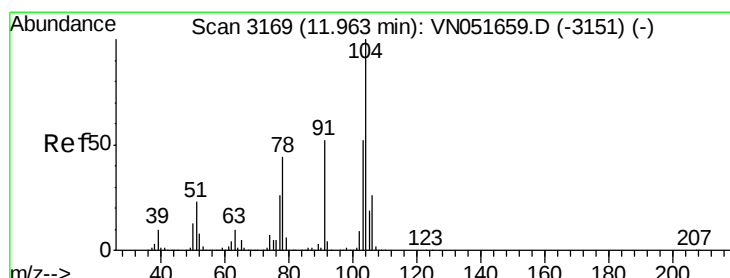
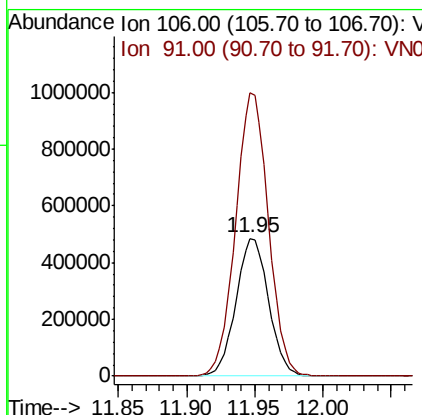
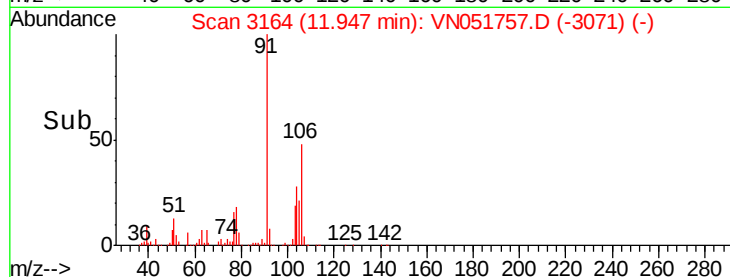
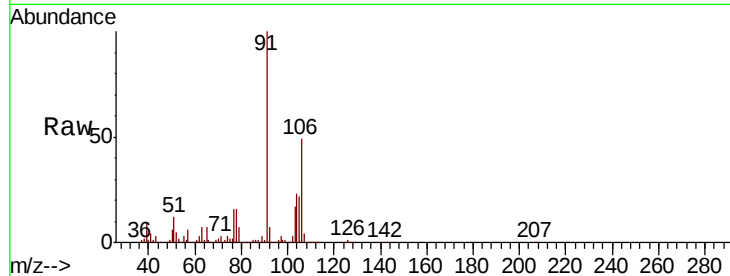
#69
o-Xylene
Concen: 51.397 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion:106 Resp: 806075
Ion Ratio Lower Upper
106 100
91 205.9 104.4 313.2

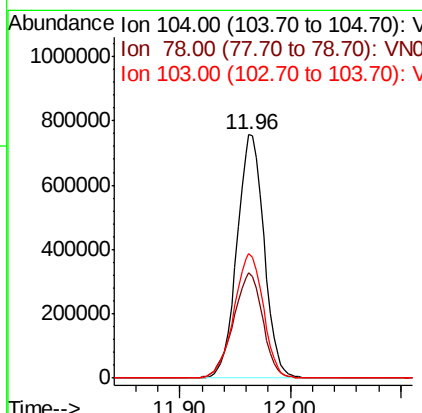
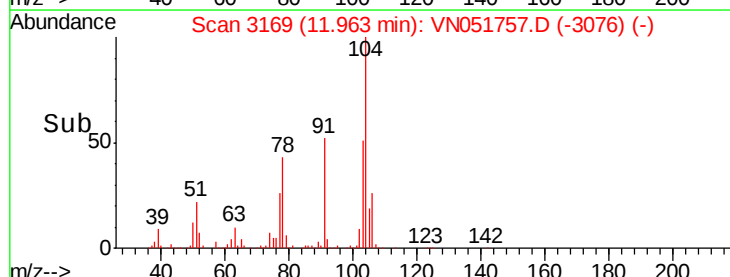
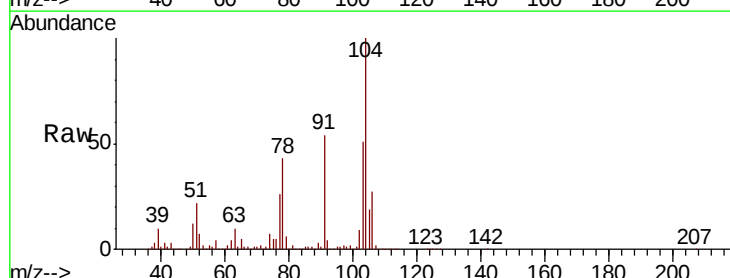
Manual Integrations
APPROVED

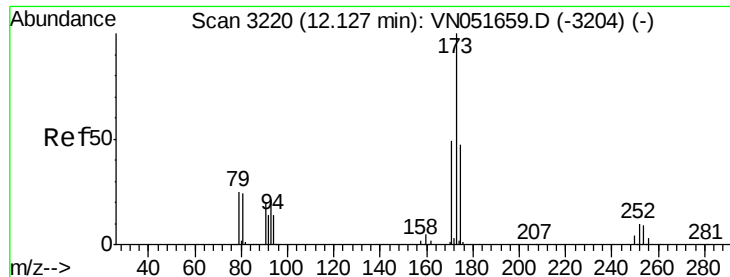
MMDadoda
10/10/2018 10:50:21 AM



#70
Styrene
Concen: 51.441 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion:104 Resp: 1285532
Ion Ratio Lower Upper
104 100
78 47.3 39.3 58.9
103 55.5 45.0 67.6





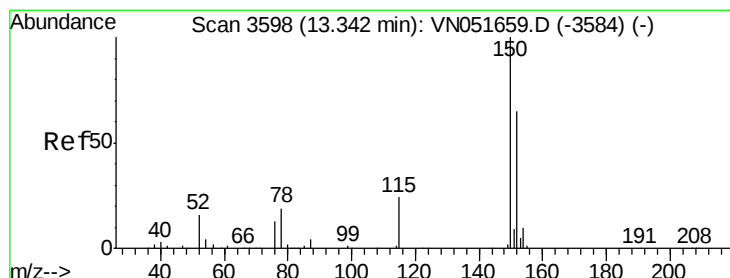
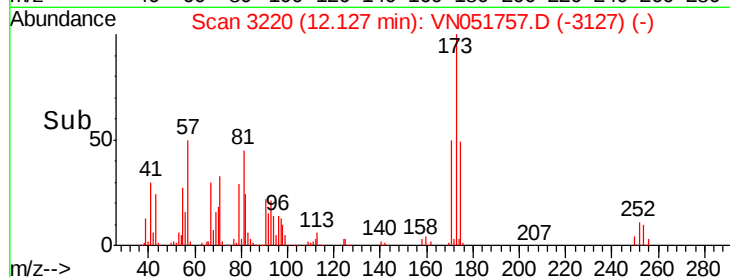
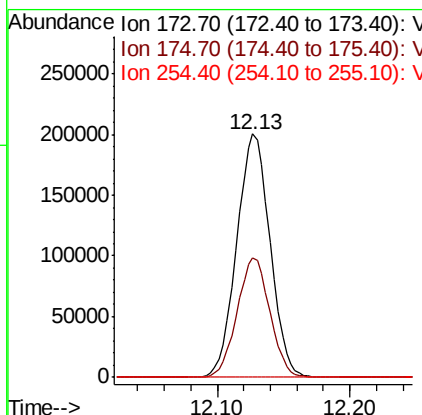
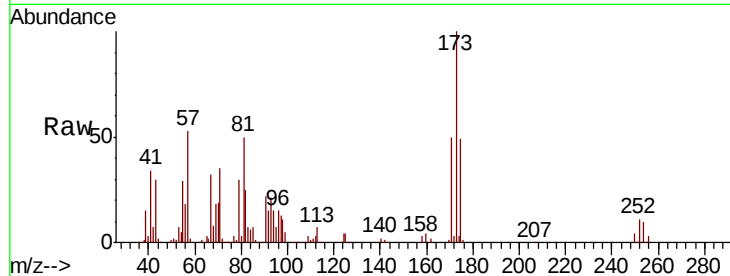
#71
Bromoform
Concen: 50.769 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.0	72.0
254	0.1	0.1	0.1

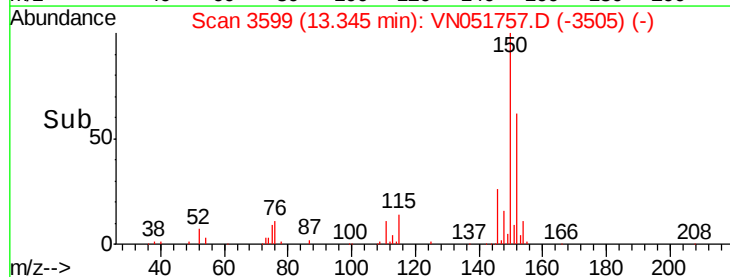
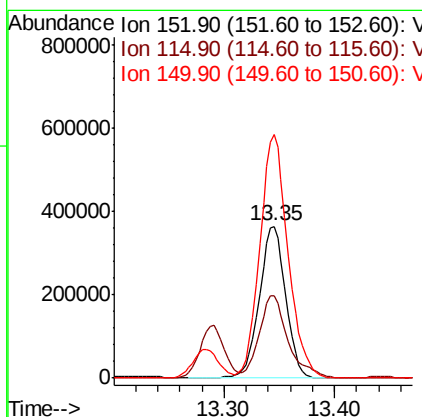
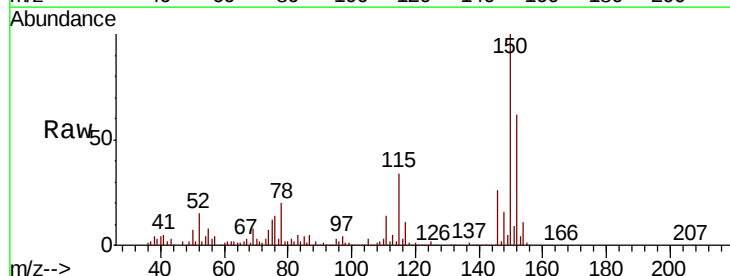
Manual Integrations
APPROVED

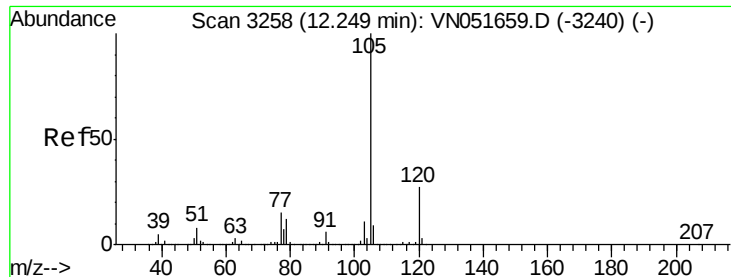
MMDadoda
10/10/2018 10:50:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.6	85.8
150	171.5	0.0	352.4





#73

Isopropylbenzene

Concen: 44.243 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 105 Resp: 2263455

Ion Ratio Lower Upper

105 100

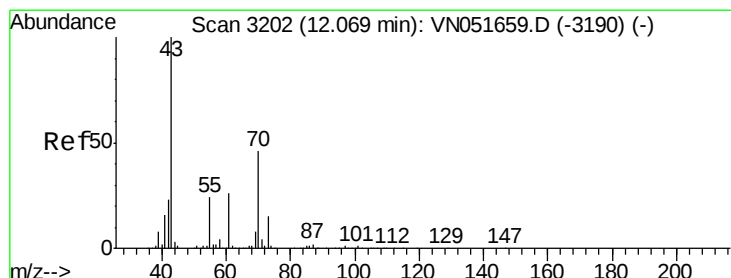
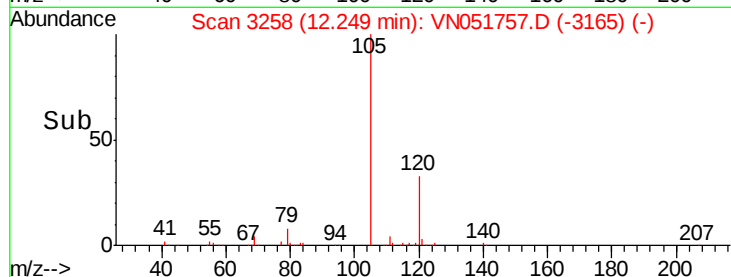
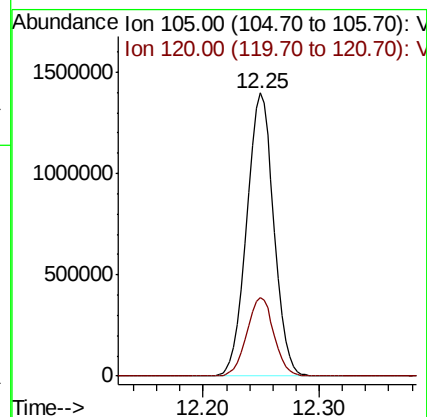
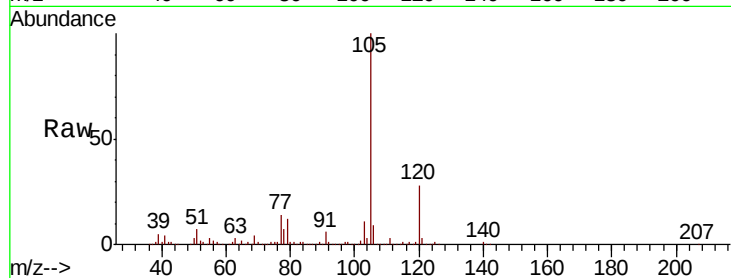
120 27.8 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.206 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion: 43 Resp: 510949

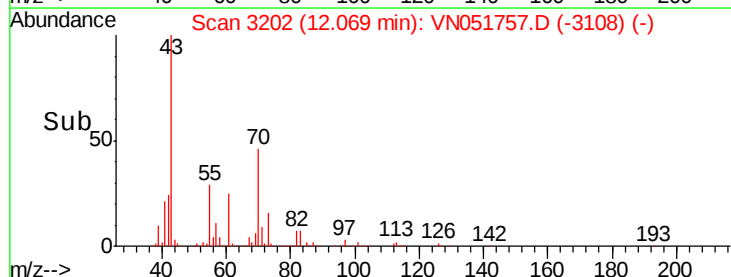
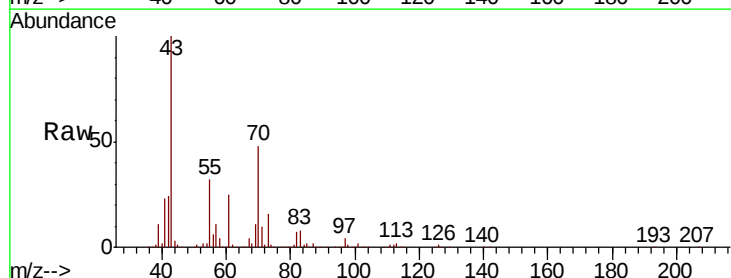
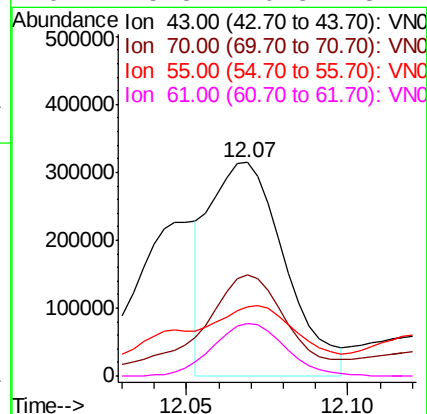
Ion Ratio Lower Upper

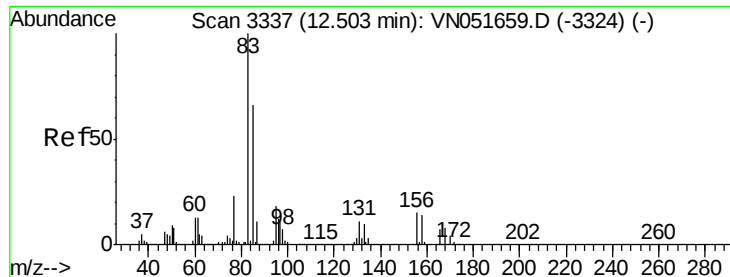
43 100

70 44.0 37.1 55.7

55 37.2 19.1 28.7#

61 23.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.473 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

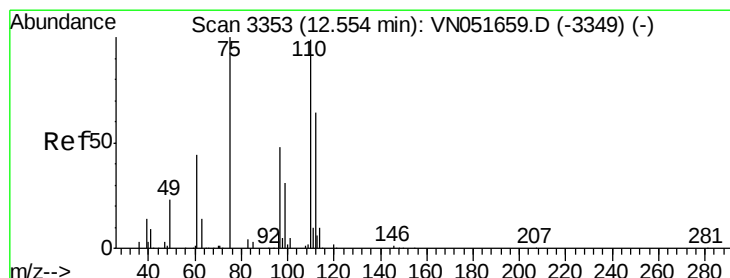
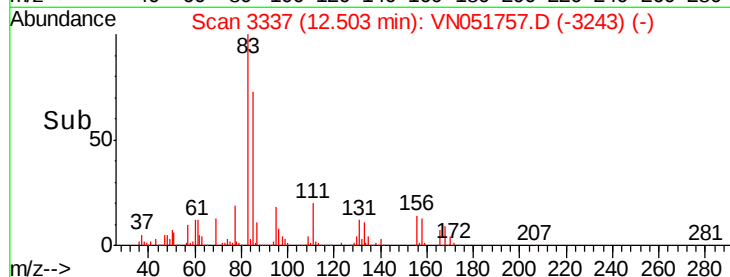
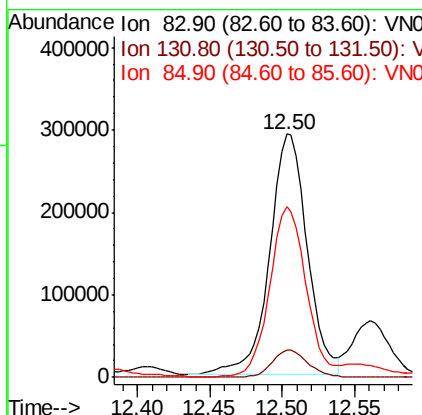
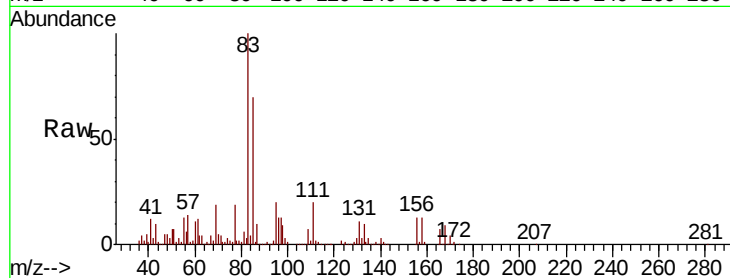
ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:	83	Resp:	527741
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.1
85	68.1	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.708 ug/l m

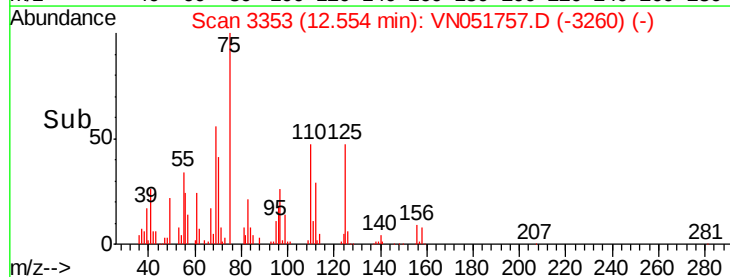
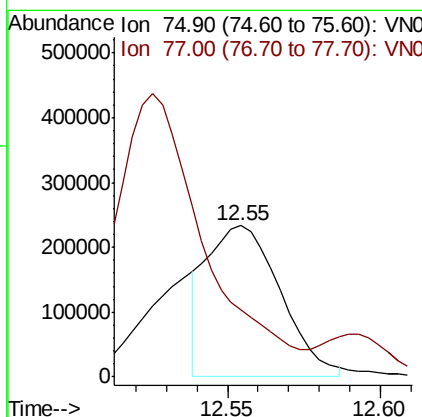
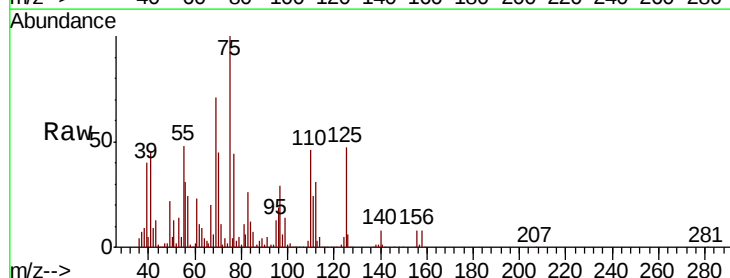
RT: 12.55 min Scan# 3353

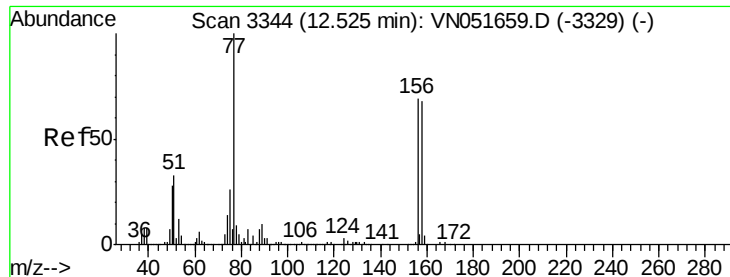
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion:	75	Resp:	391387
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.229 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

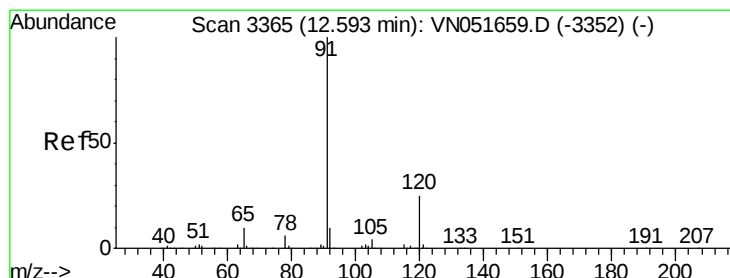
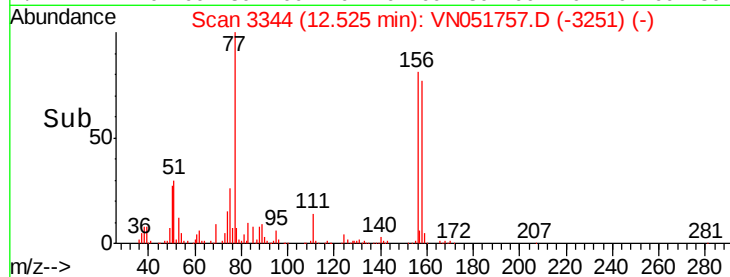
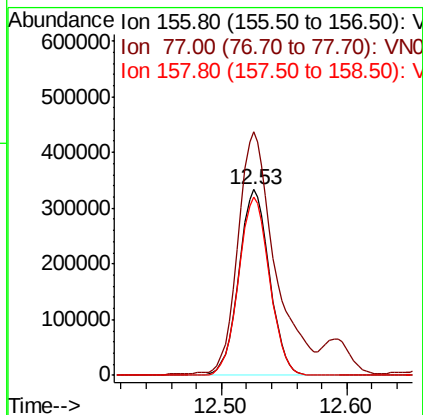
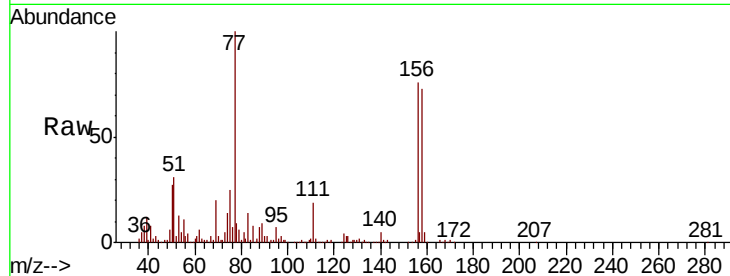
ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:	156	Resp:	565769
Ion Ratio	Lower	Upper	
156	100		
77	154.0	83.2	249.4
158	96.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 47.962 ug/l

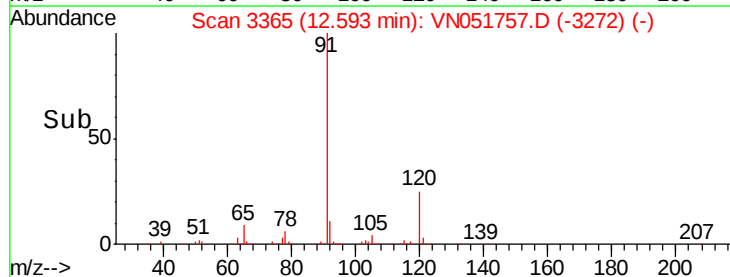
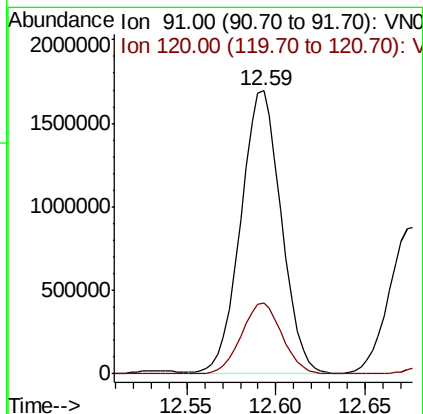
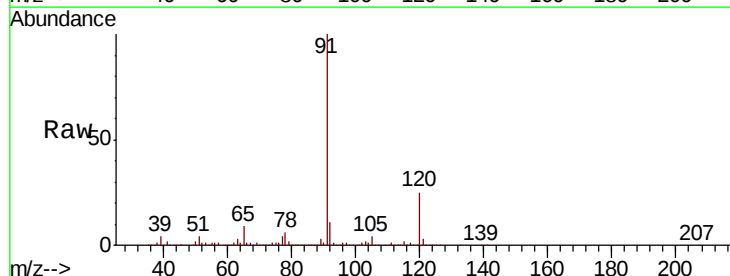
RT: 12.59 min Scan# 3365

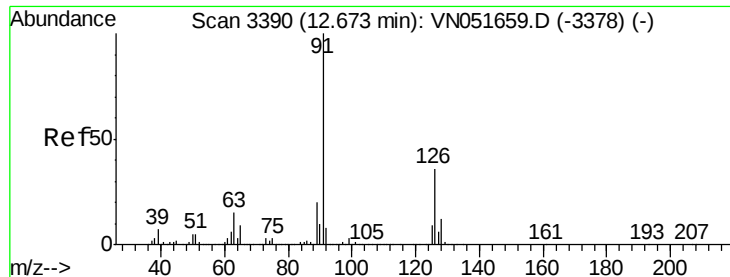
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion:	91	Resp:	2676302
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.4	37.2





#79

2-Chlorotoluene

Concen: 44.280 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion: 91 Resp: 1456204

Ion Ratio Lower Upper

91 100

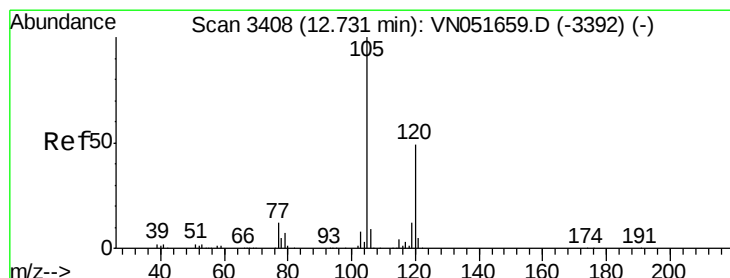
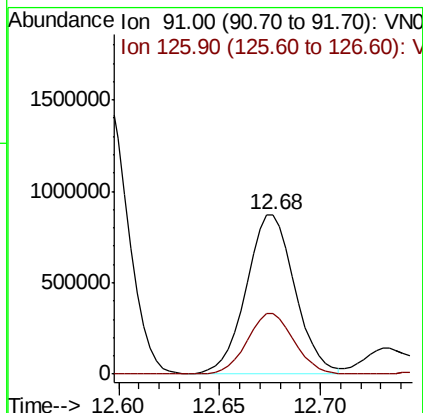
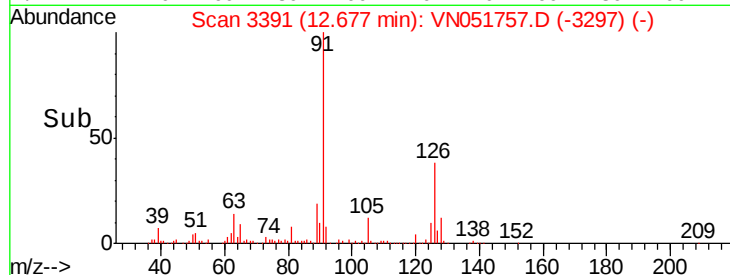
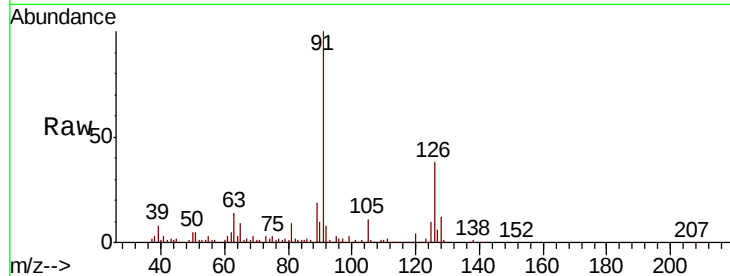
126 37.2 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.550 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051757.D

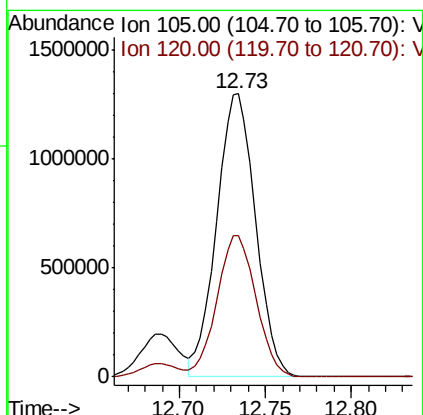
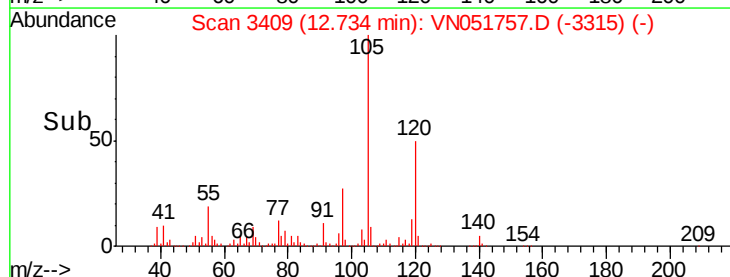
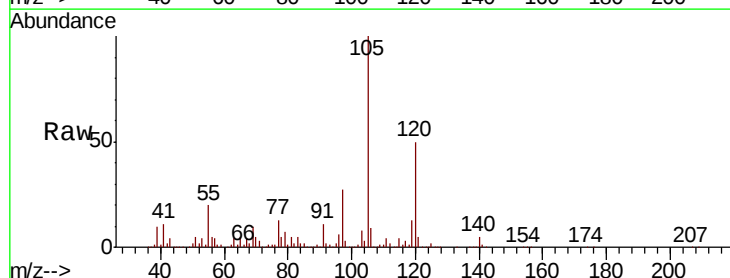
Acq: 9 Oct 2018 18:57

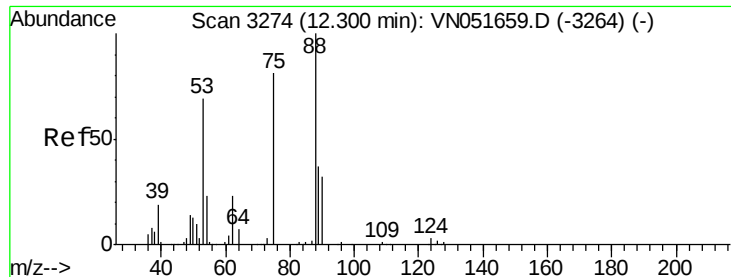
Tgt Ion:105 Resp: 2050043

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





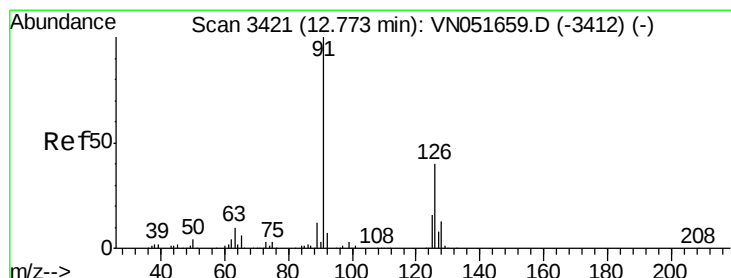
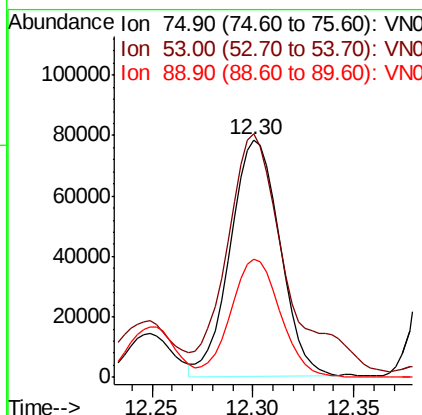
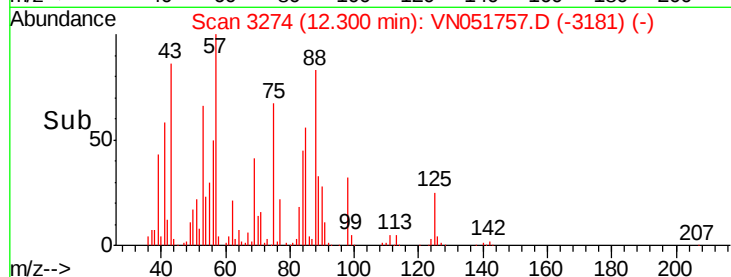
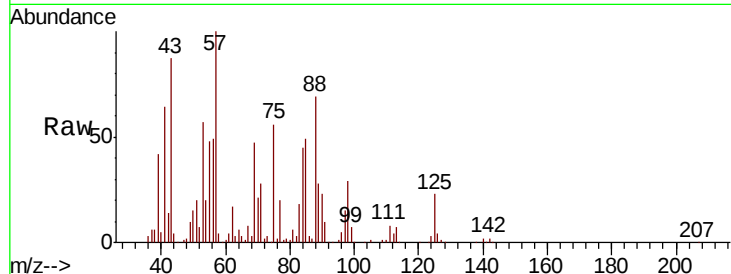
#81
trans-1,4-Dichloro-2-butene
Concen: 41.360 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion: 75 Resp: 135035
Ion Ratio Lower Upper
75 100
53 116.5 68.6 102.8#
89 50.3 39.4 59.2

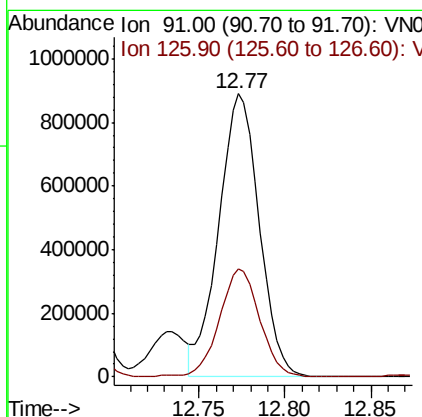
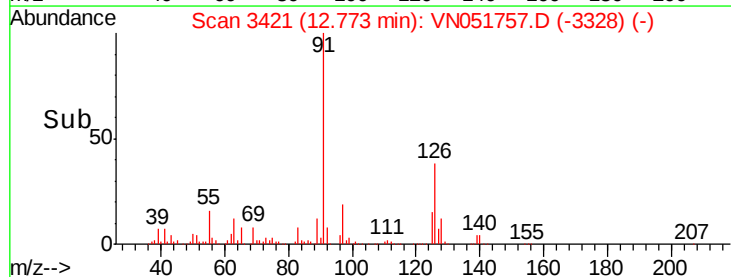
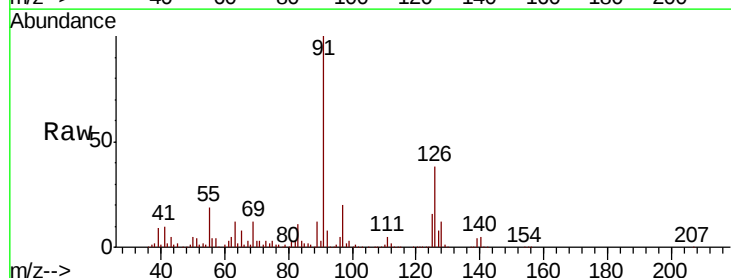
Manual Integrations
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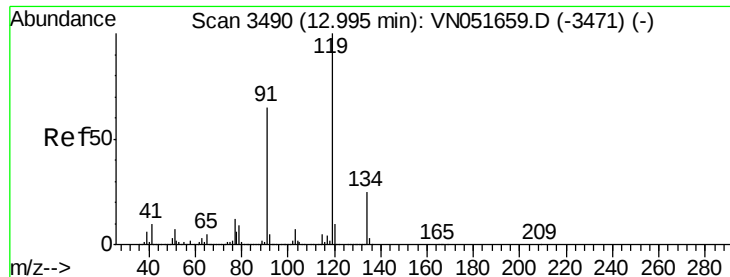
MMDadoda
10/10/2018 10:50:21 AM



#82
4-Chlorotoluene
Concen: 43.986 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion: 91 Resp: 1453154
Ion Ratio Lower Upper
91 100
126 38.2 18.0 54.0





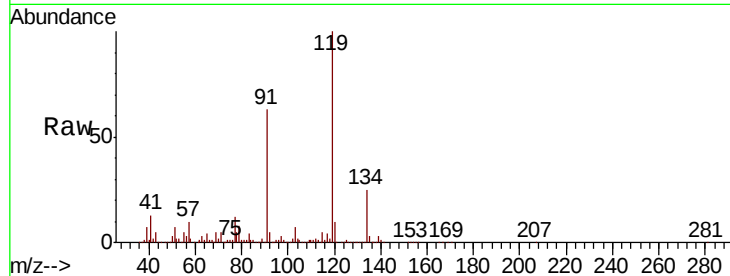
#83
tert-Butylbenzene
Concen: 46.439 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

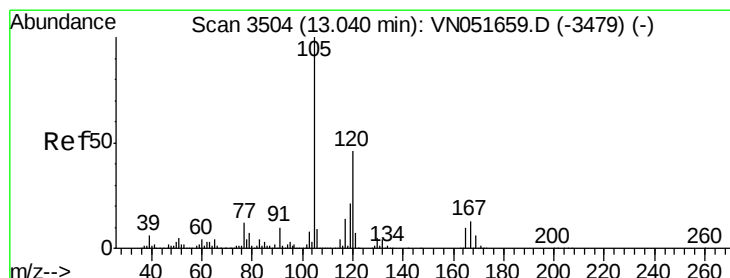
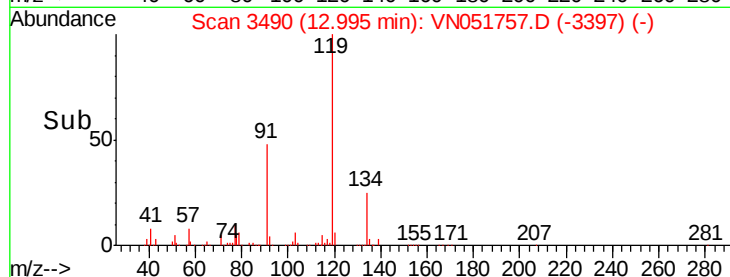
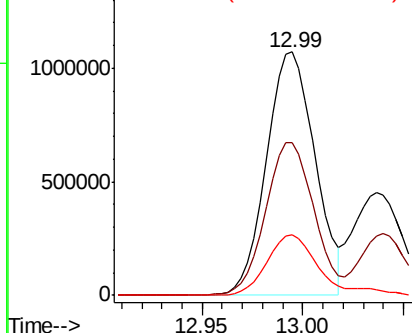
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.1	96.5
134	26.9	13.3	39.9

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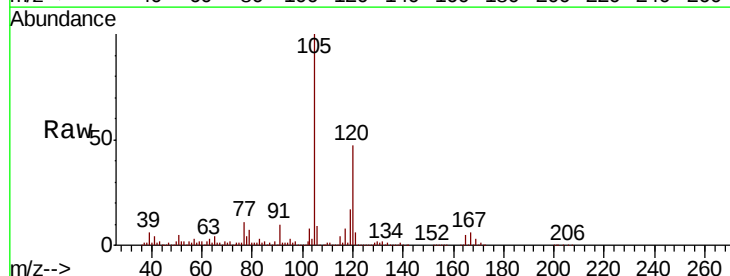


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

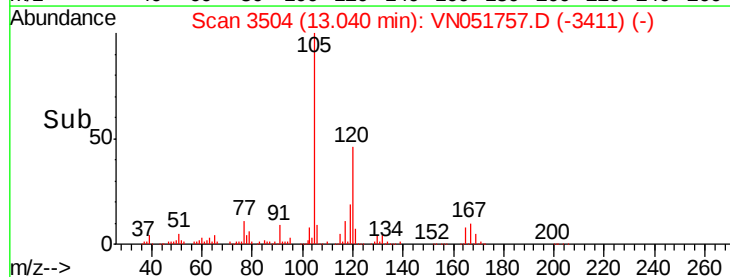
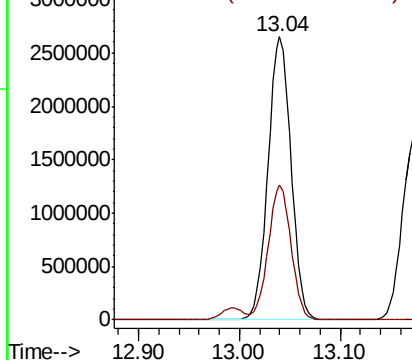


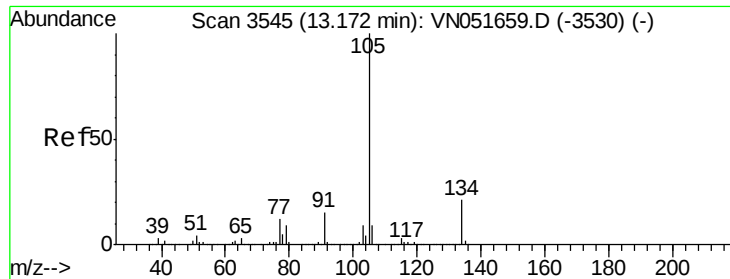
#84
1,2,4-Trimethylbenzene
Concen: 97.829 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.9	68.7



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





#85

sec-Butylbenzene

Concen: 52.592 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-H-092718(7-10)MS

Tot Ion:105 Resp: 2687505

Ion Ratio Lower Upper

105 100

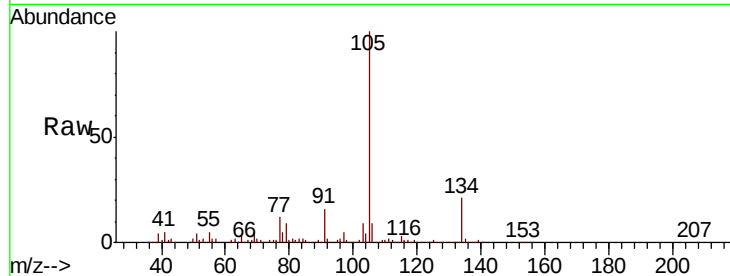
134 22.8 10.5 31.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2000000

1500000

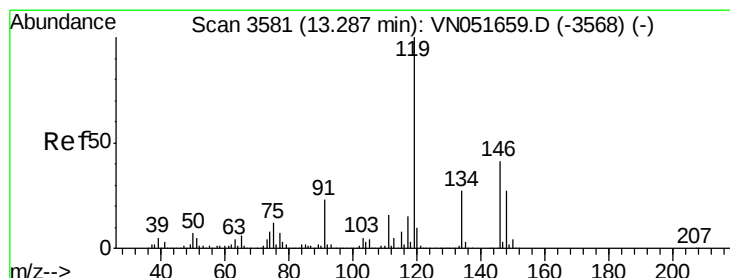
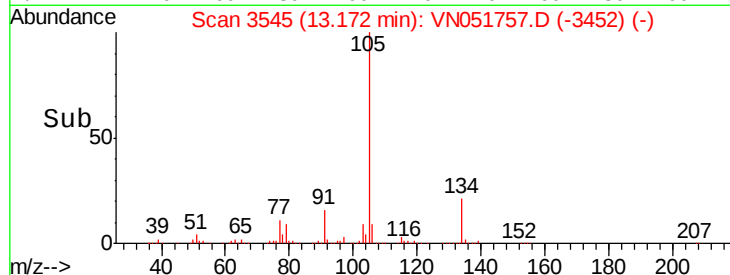
1000000

500000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 55.688 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

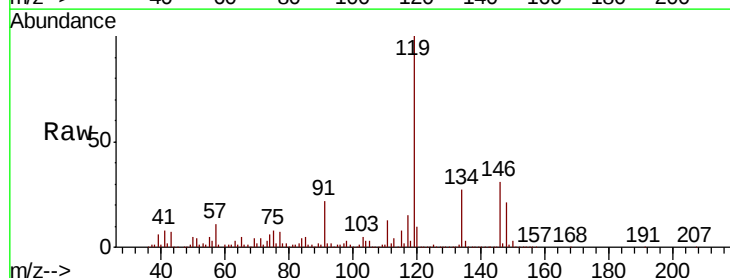
Tgt Ion:119 Resp: 2522784

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

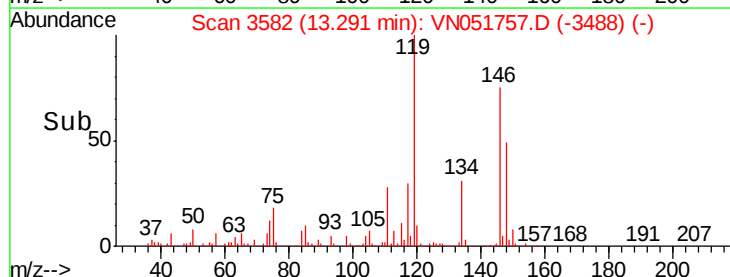
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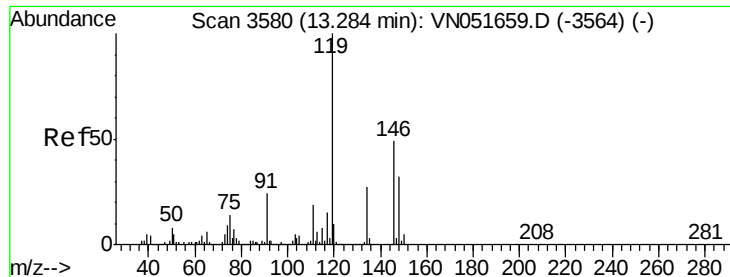
500000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.422 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

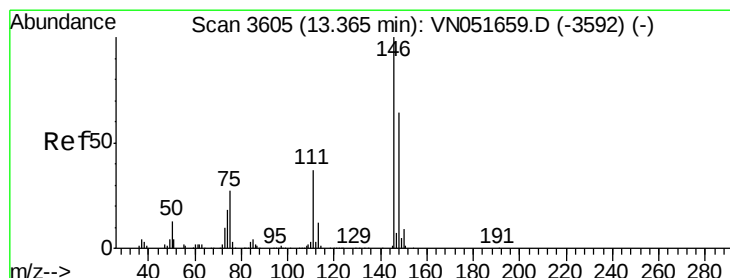
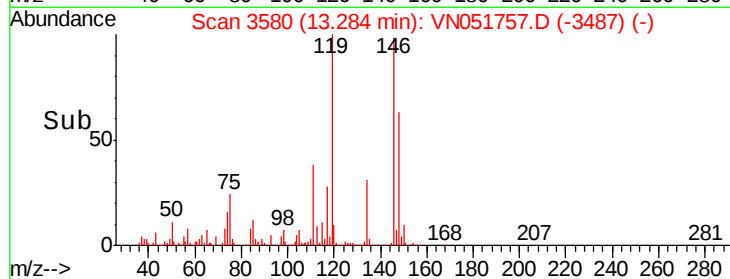
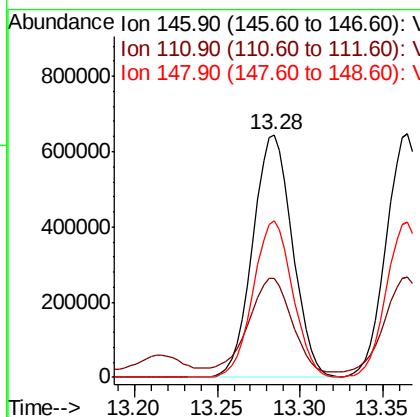
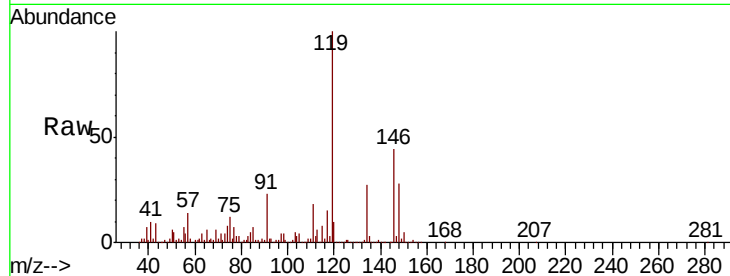
Instrument :
MSVOA_N

ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.3	57.9
148	64.2	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.861 ug/l

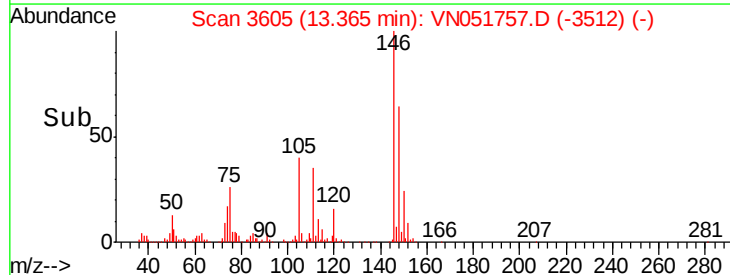
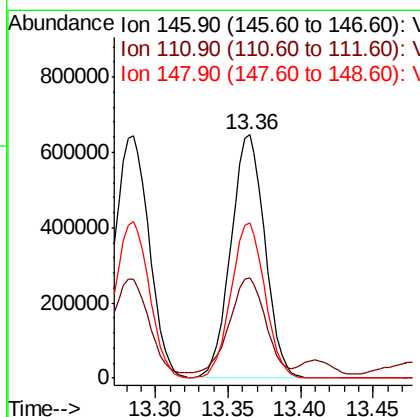
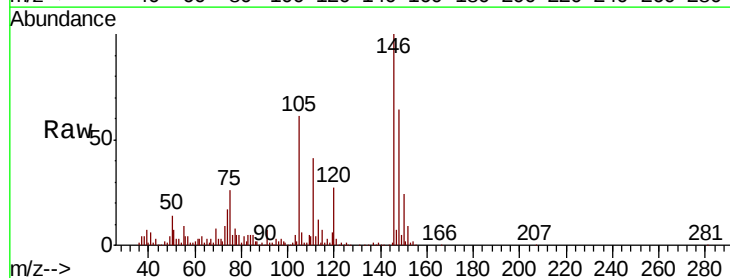
RT: 13.36 min Scan# 3605

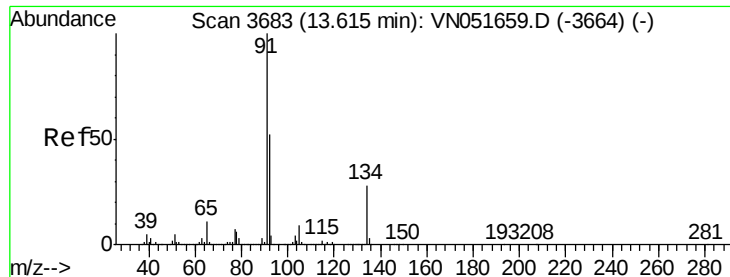
Delta R.T. 0.00 min

Lab File: VN051757.D

Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.6	55.8
148	63.5	32.3	96.8





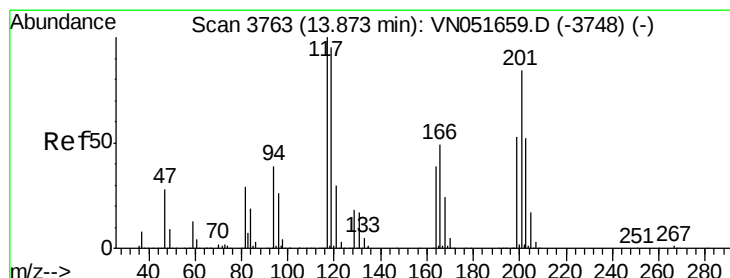
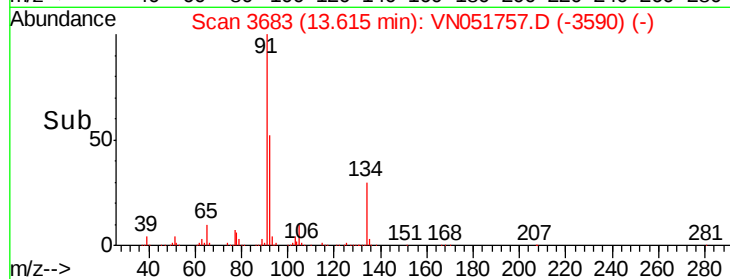
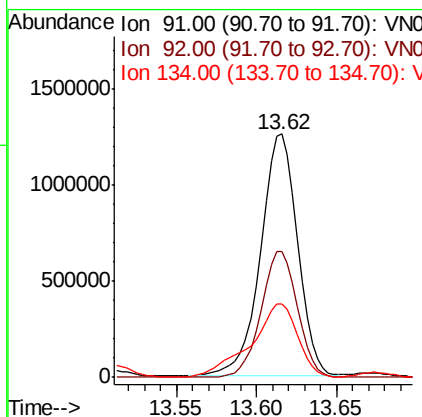
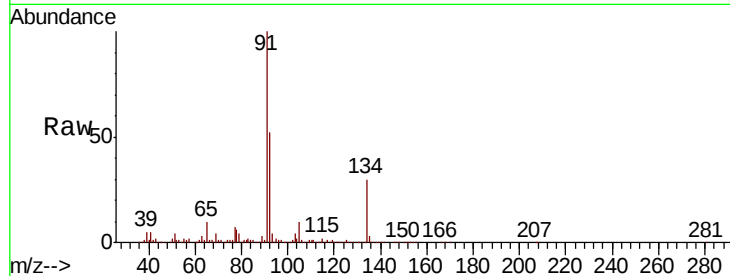
#89
n-Butylbenzene
Concen: 56.471 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	38.3	14.2	42.6

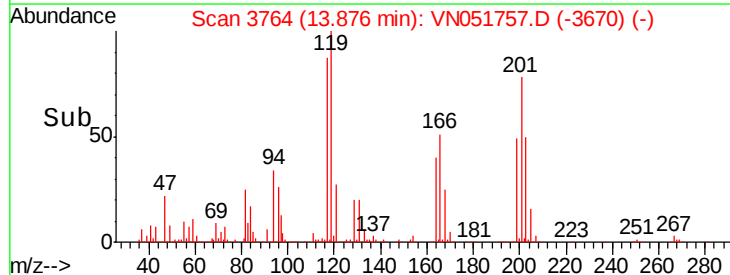
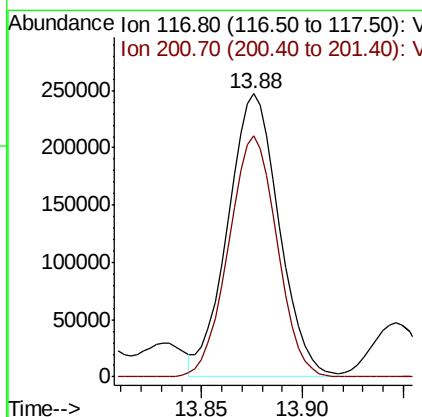
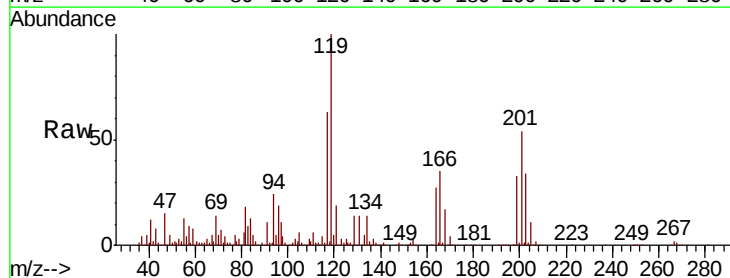
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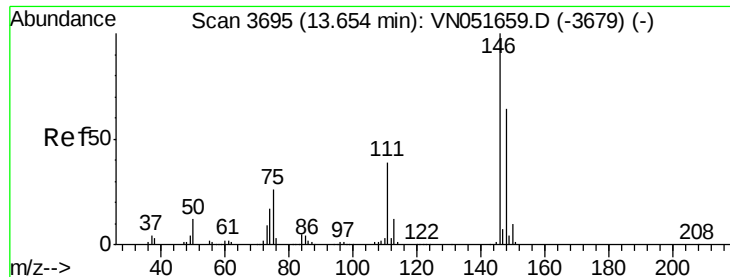
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#90
Hexachloroethane
Concen: 48.483 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	42.4	127.3





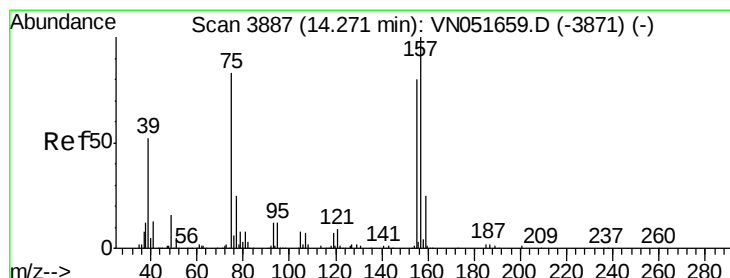
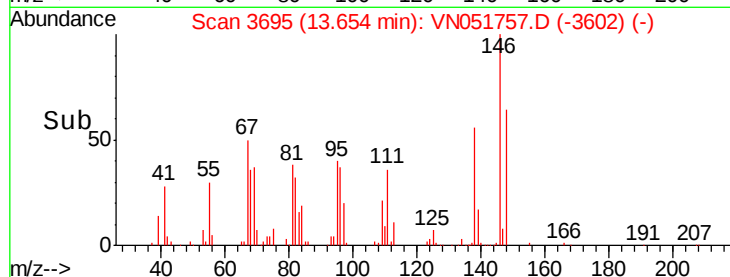
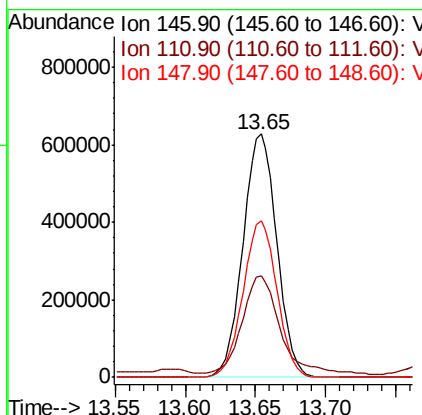
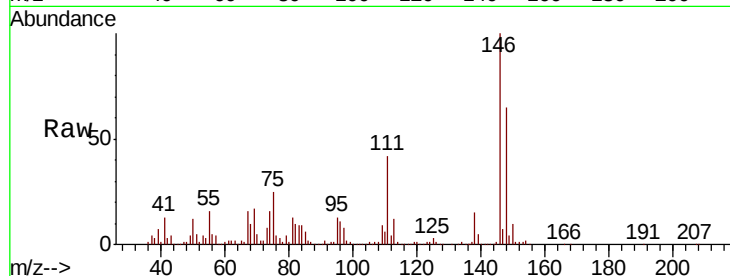
#91
 1,2-Dichlorobenzene
 Concen: 48.706 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	19.7	59.0
148	64.6	32.1	96.3

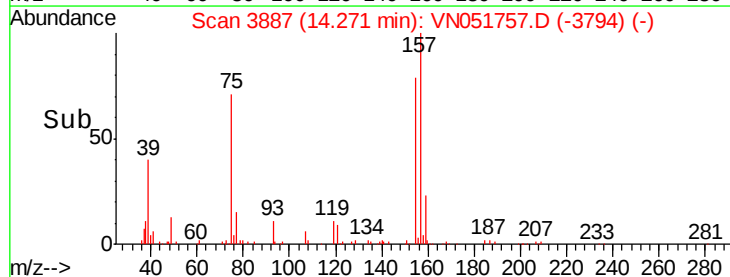
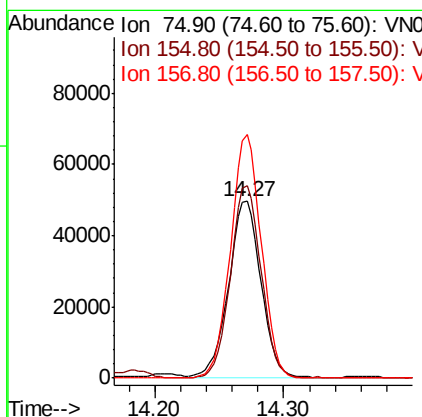
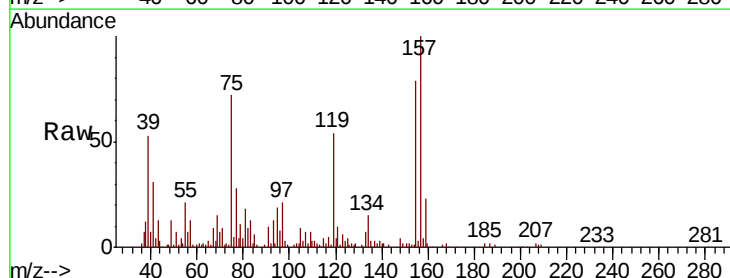
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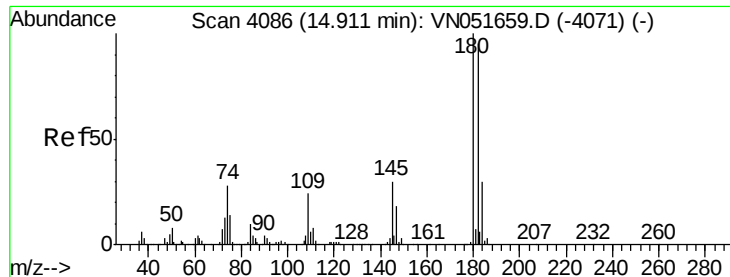
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.734 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	47.6	142.9
157	131.5	61.7	185.1





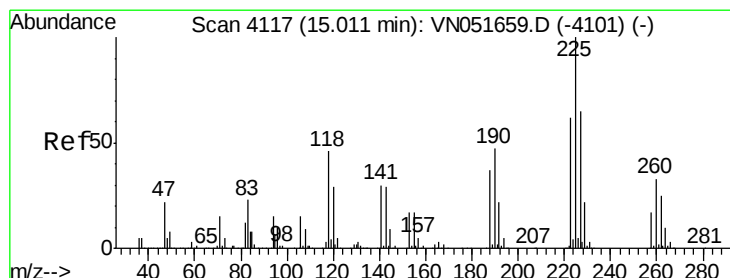
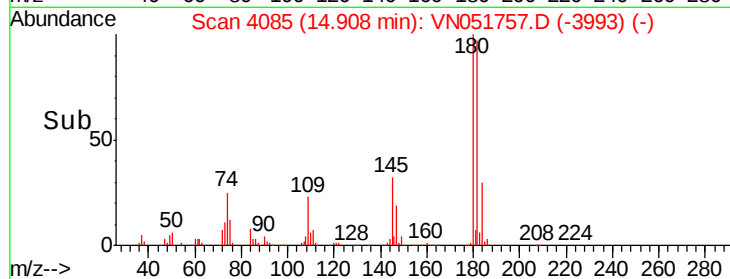
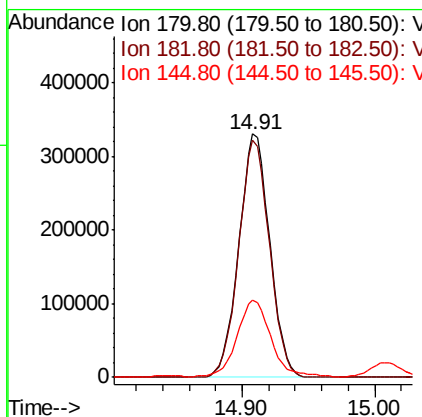
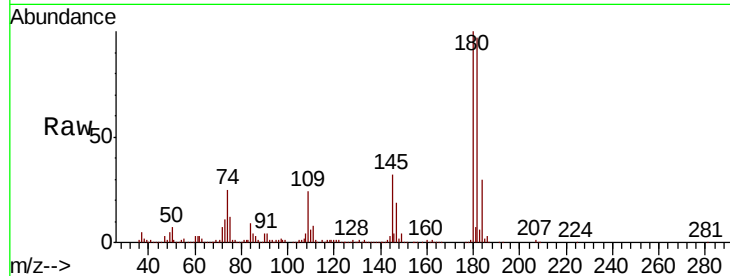
#93
 1,2,4-Trichlorobenzene
 Concen: 55.316 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	47.7	143.1	
145	35.3	15.3	45.9	

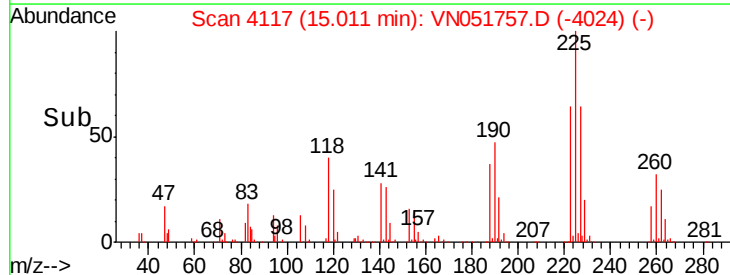
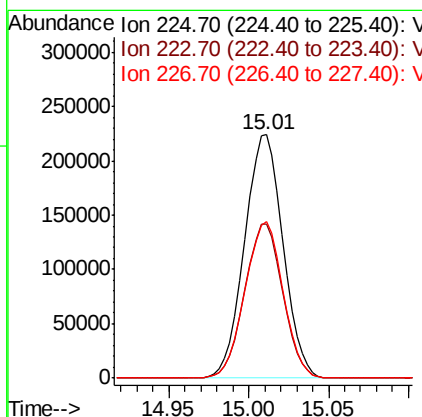
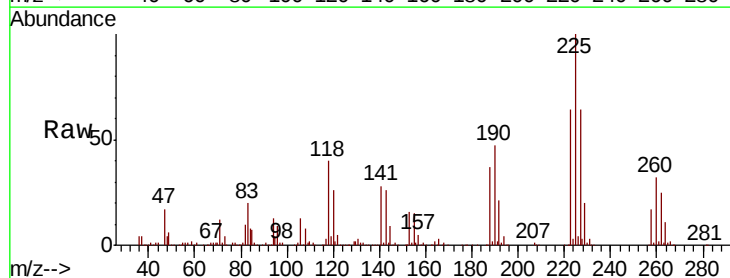
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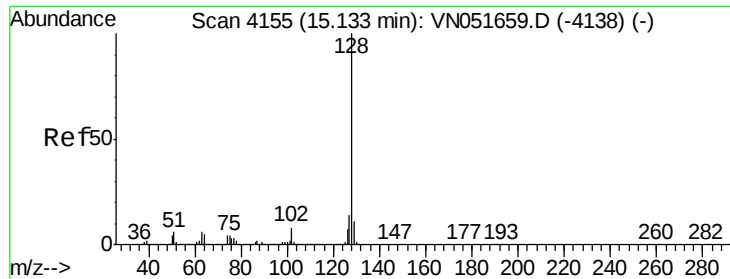
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#94
 Hexachlorobutadiene
 Concen: 56.229 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051757.D
 Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.9	95.5	
227	63.7	31.7	95.1	





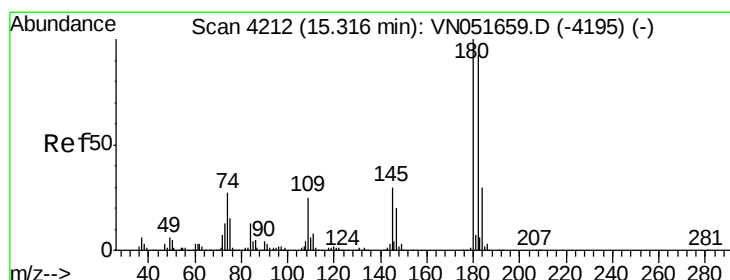
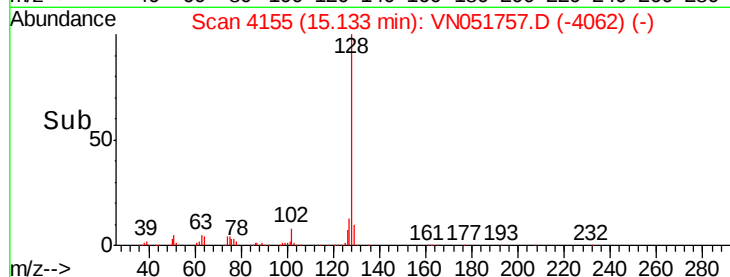
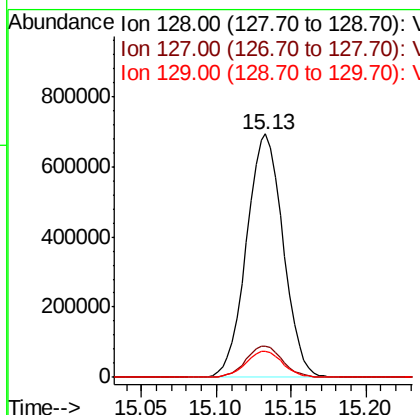
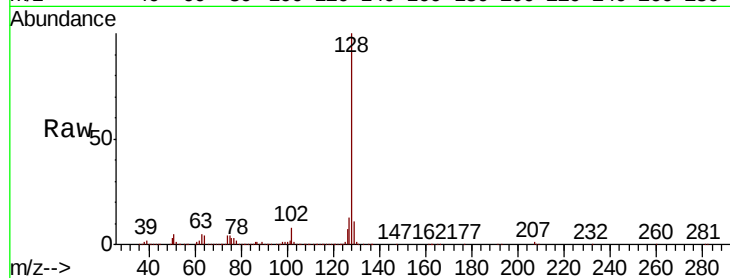
#95
Naphthalene
Concen: 56.504 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-H-092718(7-10)MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.392 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051757.D
Acq: 9 Oct 2018 18:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.8
145	32.5	15.6	46.8

