

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051777.D
 Acq On : 10 Oct 2018 9:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 5:51:12 PM

Quant Time: Oct 11 02:03:51 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	705215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	980326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	556118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412376	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
35) Dibromofluoromethane	7.59	113	394491	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1443651	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	507021	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411707	46.757	ug/l	100
3) Chloromethane	2.06	50	341481	42.430	ug/l	99
4) Vinyl Chloride	2.18	62	505194	39.849	ug/l	100
5) Bromomethane	2.56	94	428413	43.942	ug/l	98
6) Chloroethane	2.70	64	341710	40.104	ug/l	100
7) Trichlorofluoromethane	3.01	101	664679	50.370	ug/l	100
8) Diethyl Ether	3.41	74	179947	48.709	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343949	48.812	ug/l	97
10) Methyl Iodide	3.95	142	471084	50.538	ug/l	100
11) Tert butyl alcohol	4.79	59	155209	245.140	ug/l	99
12) 1,1-Dichloroethene	3.73	96	309345	47.103	ug/l	96
13) Acrolein	3.61	56	95479	228.871	ug/l	100
14) Allyl chloride	4.32	41	407635	40.696	ug/l	96
15) Acrylonitrile	4.99	53	534307	244.552	ug/l	98
16) Acetone	3.82	43	415116	267.628	ug/l	98
17) Carbon Disulfide	4.05	76	815105	40.831	ug/l	99
18) Methyl Acetate	4.33	43	276136	53.701	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1043420	48.133	ug/l	100
20) Methylene Chloride	4.55	84	370784	48.375	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	372451	47.858	ug/l	92
22) Diisopropyl ether	5.96	45	927880	43.214	ug/l	94
23) Vinyl Acetate	5.90	43	3385932	214.465	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	620723	44.950	ug/l	97
25) 2-Butanone	6.84	43	630850	234.501	ug/l	96
26) 2,2-Dichloropropane	6.82	77	628114	45.389	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	441357	48.853	ug/l	93
28) Bromochloromethane	7.20	49	251271	41.101	ug/l	82
29) Tetrahydrofuran	7.22	42	387504	234.726	ug/l	90
30) Chloroform	7.37	83	739458	47.659	ug/l	99
31) Cyclohexane	7.65	56	523193	41.370	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	707103	47.018	ug/l	97
36) 1,1-Dichloropropene	7.79	75	521527	48.456	ug/l	98
37) Ethyl Acetate	6.93	43	275100	49.008	ug/l	99
38) Carbon Tetrachloride	7.78	117	636670	49.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	676431	50.068	ug/l	95
40) Benzene	8.04	78	1557899	48.827	ug/l	100
41) Methacrylonitrile	7.18	41	124281	42.928	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	524667	48.794	ug/l	100
43) Isopropyl Acetate	8.17	43	562835	48.091	ug/l #	87
44) Trichloroethene	8.84	130	479131	52.887	ug/l	99
45) 1,2-Dichloropropane	9.12	63	372441	47.213	ug/l	100
46) Dibromomethane	9.21	93	287476	52.429	ug/l	99
47) Bromodichloromethane	9.40	83	594124	49.222	ug/l	99
48) Methyl methacrylate	9.20	41	252886	47.288	ug/l	94
49) 1,4-Dioxane	9.20	88	89271	1113.257	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1445501	243.742	ug/l	97
52) Toluene	10.16	92	1066543	50.259	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	598841	48.080	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	639598	48.359	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	403680	53.399	ug/l	97
56) Ethyl methacrylate	10.43	69	492475	51.514	ug/l	94
57) 1,3-Dichloropropane	10.71	76	615294	51.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976327	246.762	ug/l	95
59) 2-Hexanone	10.75	43	994384	246.895	ug/l	98
60) Dibromochloromethane	10.90	129	504872	51.034	ug/l	100
61) 1,2-Dibromoethane	11.01	107	425342	53.223	ug/l	100
64) Tetrachloroethene	10.63	164	456442	52.775	ug/l	99
65) Chlorobenzene	11.44	112	1243309	51.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	489452	50.347	ug/l	99
67) Ethyl Benzene	11.51	91	2106175	50.188	ug/l	99
68) m/p-Xylenes	11.62	106	1710034	101.841	ug/l	98
69) o-Xylene	11.95	106	837648	50.868	ug/l	98
70) Styrene	11.96	104	1342686	51.170	ug/l	98
71) Bromoform	12.13	173	355630	49.182	ug/l #	99
73) Isopropylbenzene	12.25	105	2268002	47.842	ug/l	100
74) N-amyl acetate	12.07	43	464072	47.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	491068	53.715	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	392028m	57.336	ug/l	
77) Bromobenzene	12.53	156	572985	49.433	ug/l	94
78) n-propylbenzene	12.59	91	2461956	47.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	1447867	47.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1903983	47.659	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136721	45.192	ug/l	97
82) 4-Chlorotoluene	12.77	91	1467827	47.948	ug/l	98
83) tert-Butylbenzene	12.99	119	1721936	48.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1939994	48.480	ug/l	99
85) sec-Butylbenzene	13.17	105	2292949	48.423	ug/l	99
86) p-Isopropyltoluene	13.29	119	2081532	49.586	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1040591	51.520	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1019025	51.257	ug/l	99
89) n-Butylbenzene	13.62	91	1652401	49.785	ug/l	99
90) Hexachloroethane	13.88	117	380686	45.453	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1026150	51.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79725	47.874	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	511025	57.196	ug/l	98
94) Hexachlorobutadiene	15.01	225	333680	55.044	ug/l	99
95) Naphthalene	15.13	128	1079580	55.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	500256	56.851	ug/l	99

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

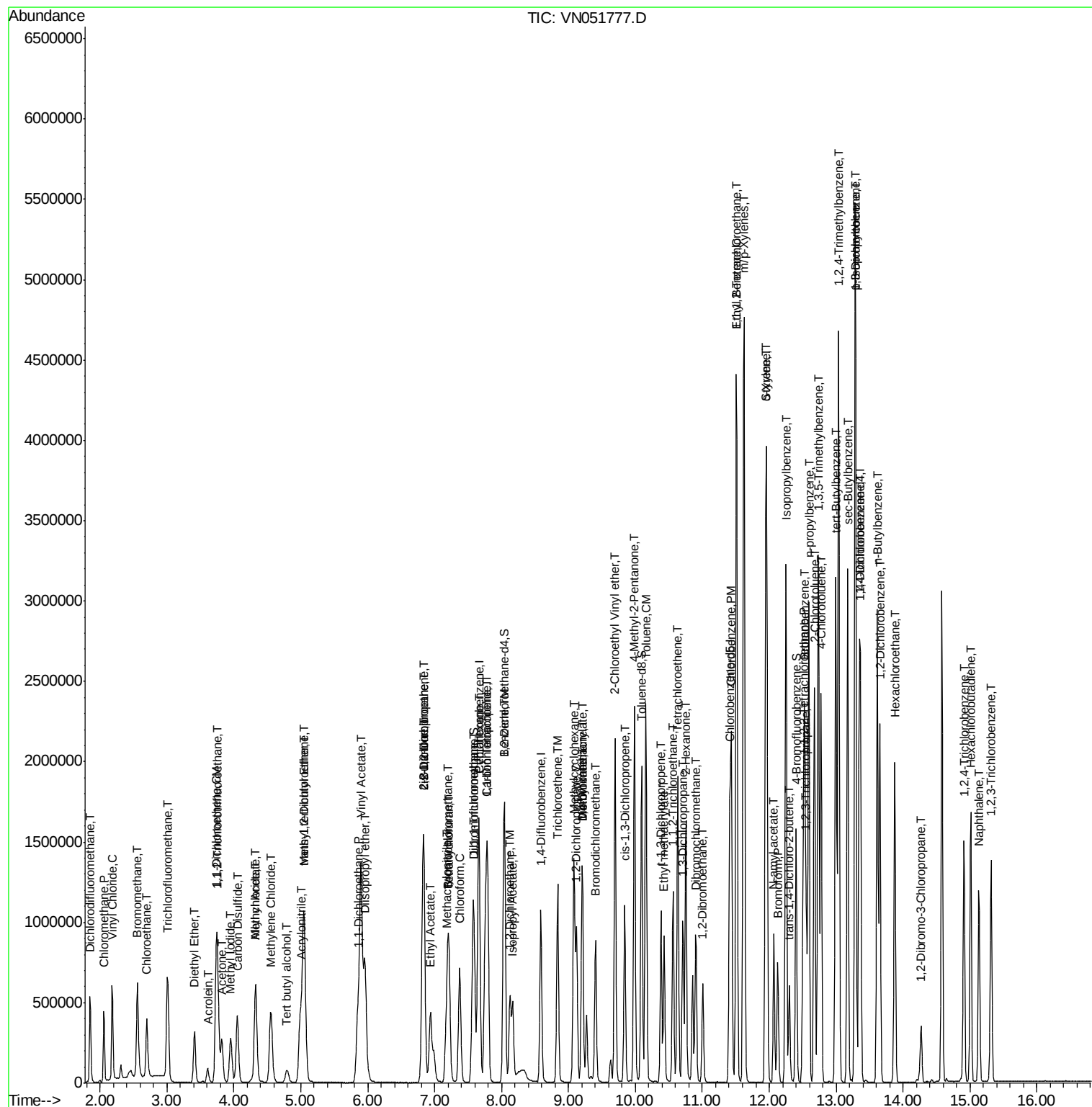
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
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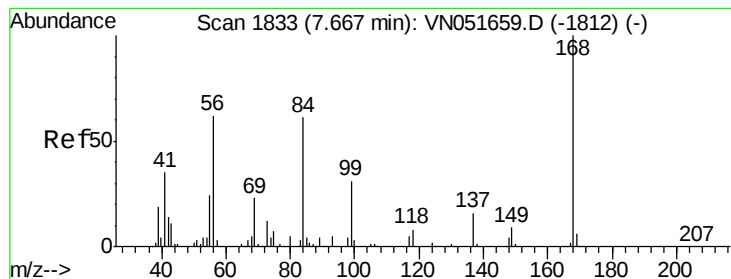
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 705215

Ion Ratio Lower Upper

168 100

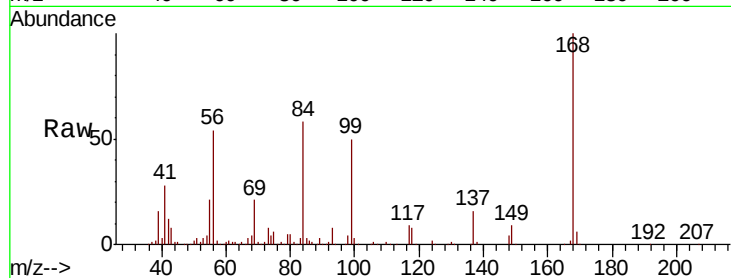
99 50.3 40.4 60.6

Manual Integrations

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10/11/2018 5:51:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

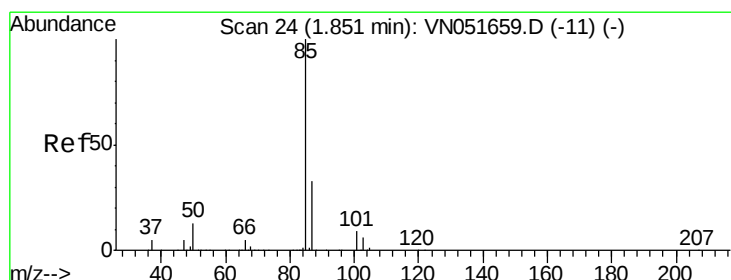
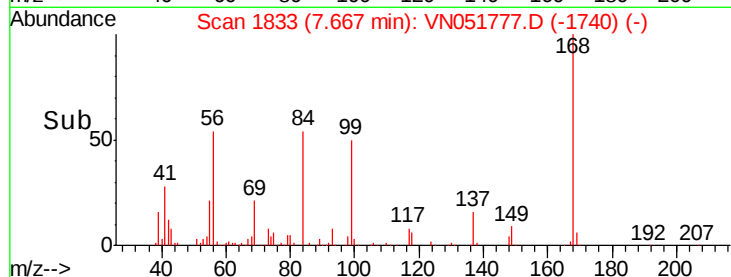
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 46.757 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051777.D

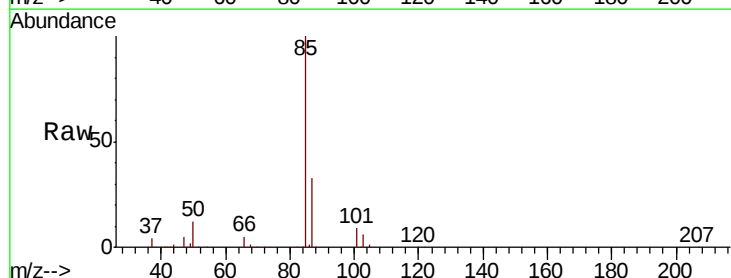
Acq: 10 Oct 2018 9:27

Tgt Ion: 85 Resp: 411707

Ion Ratio Lower Upper

85 100

87 32.9 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

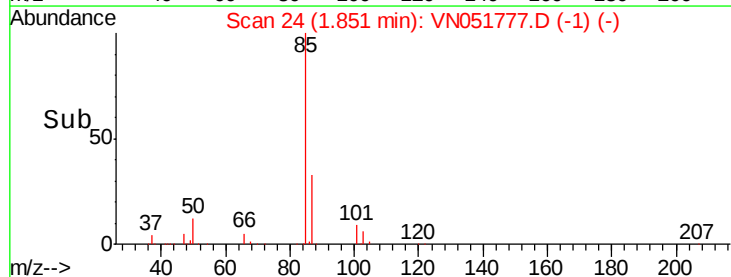
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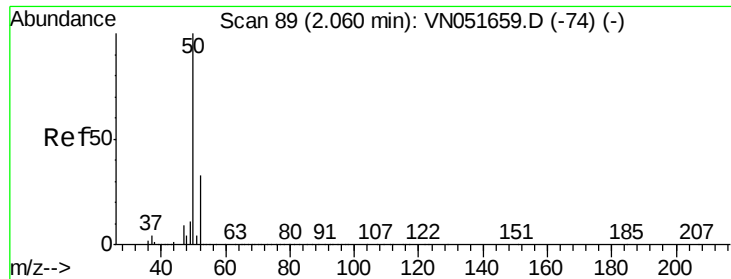
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.430 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 341481

Ion Ratio Lower Upper

50 100

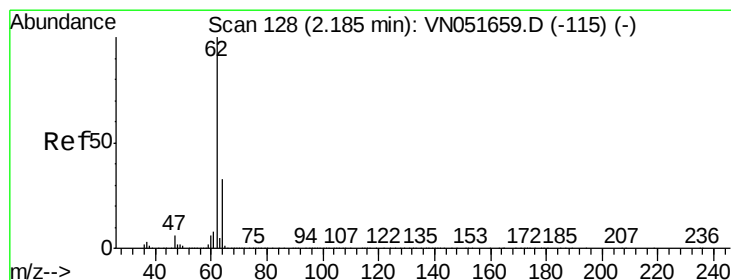
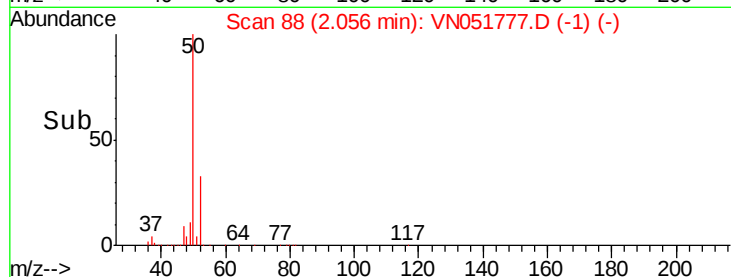
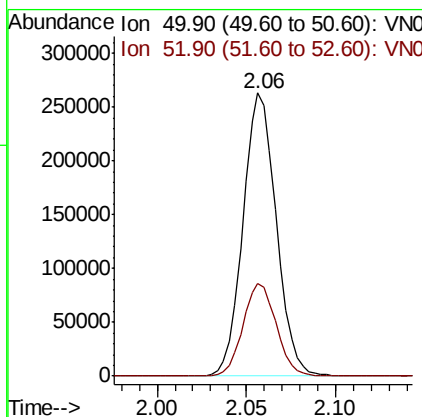
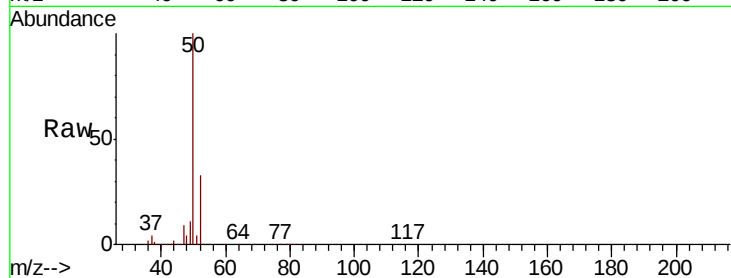
52 32.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.849 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051777.D

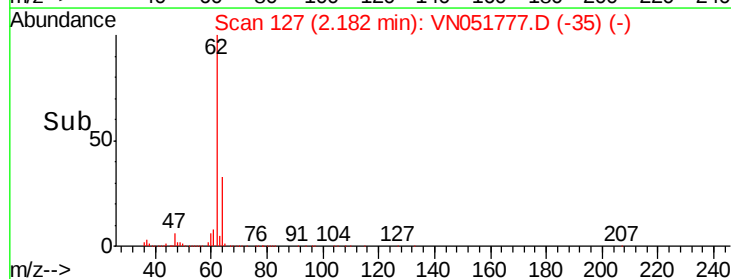
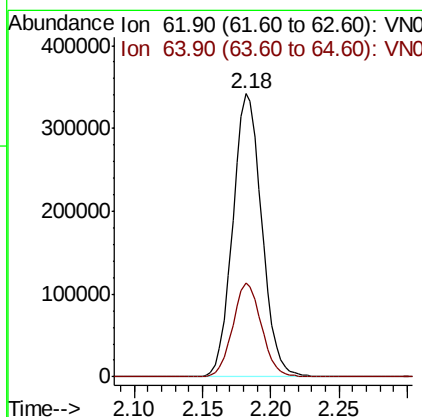
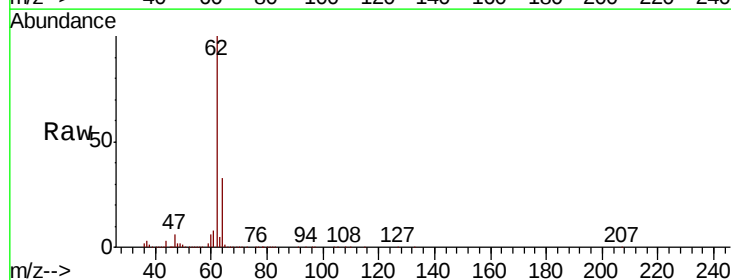
Acq: 10 Oct 2018 9:27

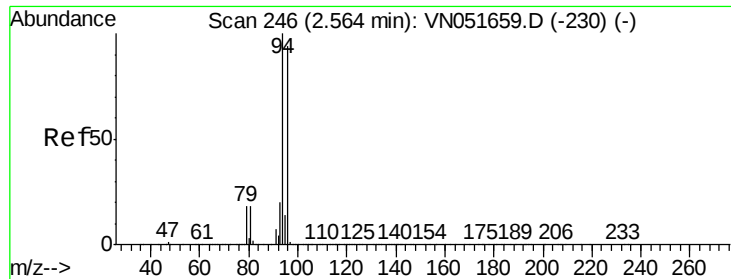
Tgt Ion: 62 Resp: 505194

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4





#5

Bromomethane

Concen: 43.942 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

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Tot Ion: 94 Resp: 428413

Ion Ratio Lower Upper

94 100

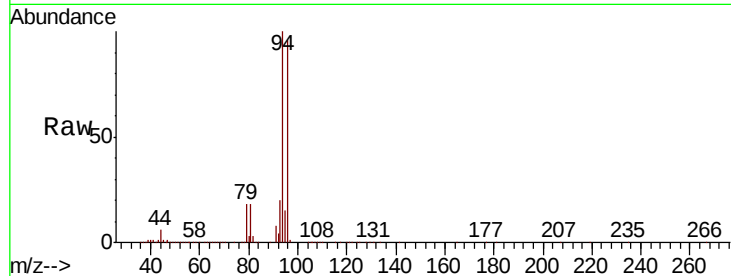
96 95.7 75.2 112.8

Manual Integrations

APPROVED

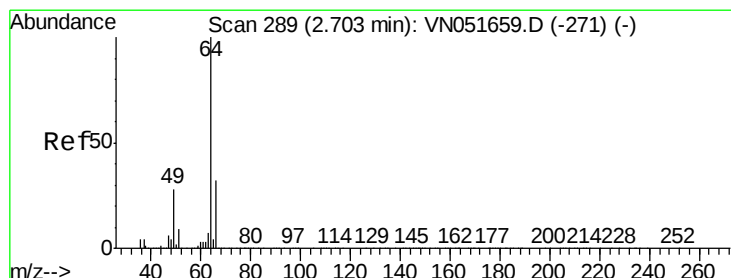
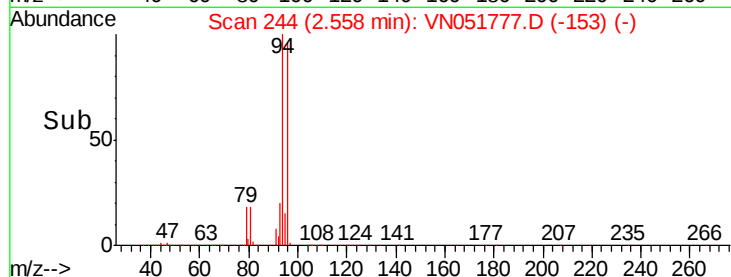
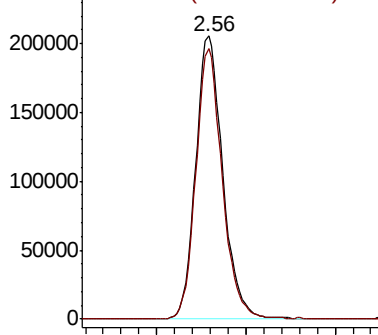
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10/11/2018 5:51:12 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.104 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051777.D

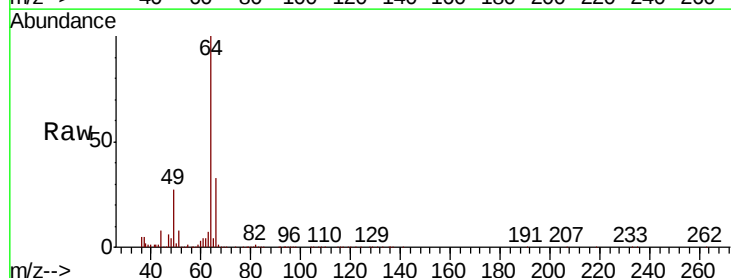
Acq: 10 Oct 2018 9:27

Tgt Ion: 64 Resp: 341710

Ion Ratio Lower Upper

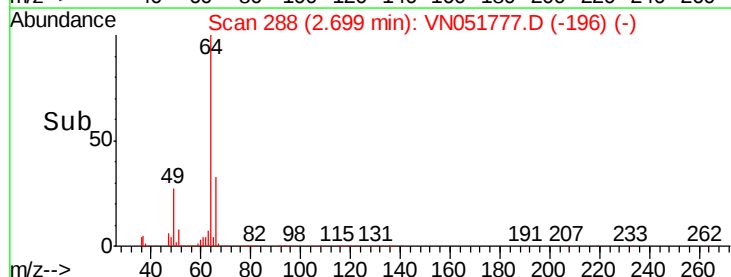
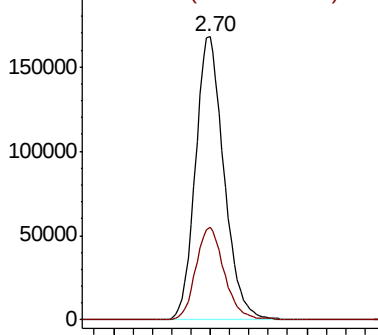
64 100

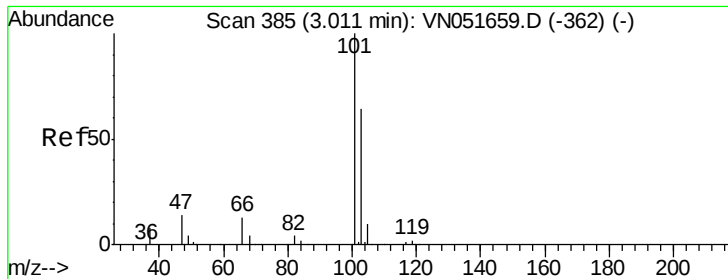
66 32.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

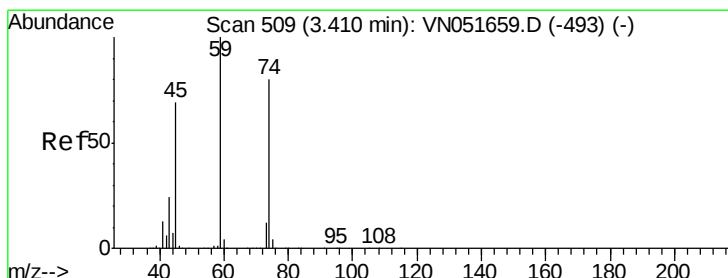
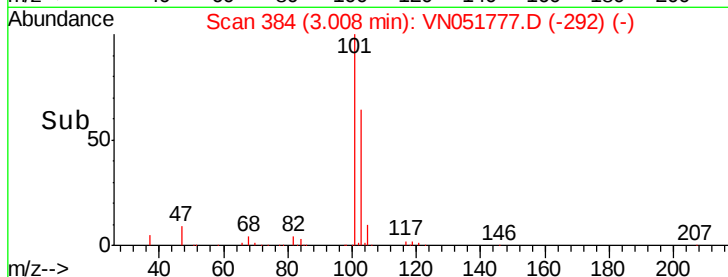
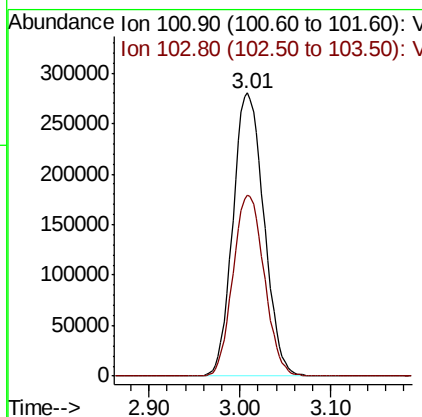
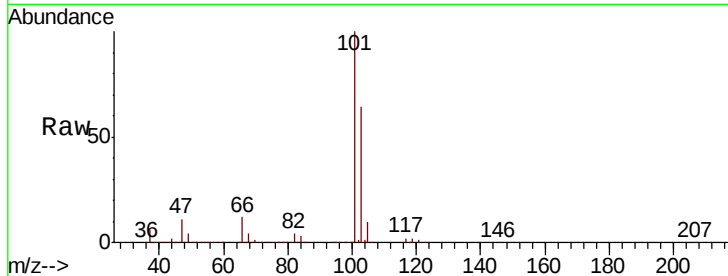
Trichlorofluoromethane
 Concen: 50.370 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051777.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.1	76.7

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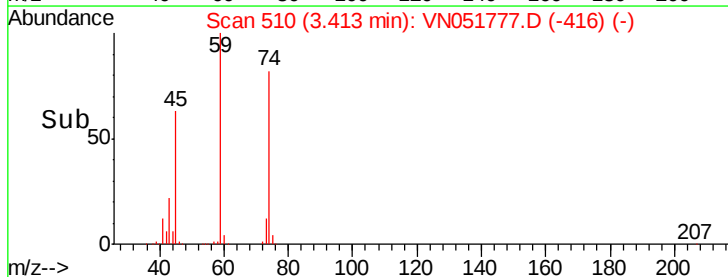
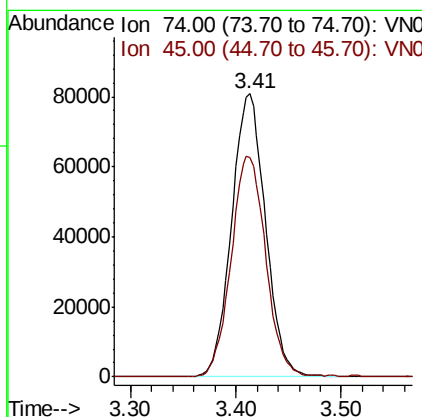
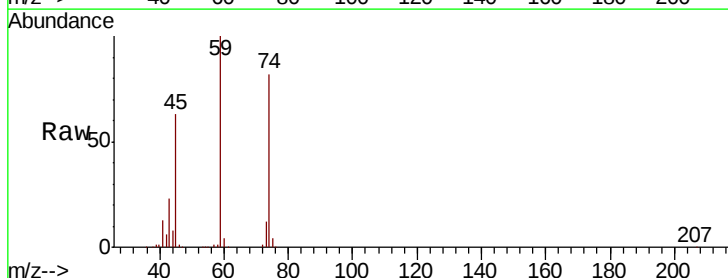
MMDadoda
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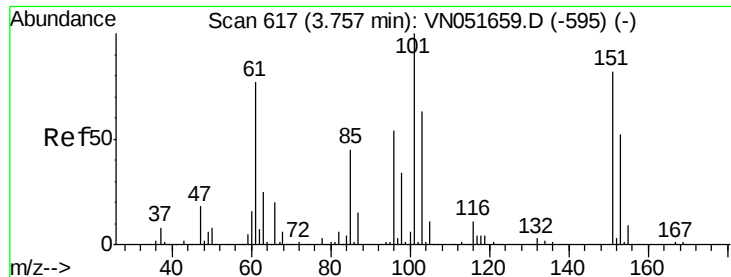


#8

Diethyl Ether
 Concen: 48.709 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051777.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.7	44.3	132.9





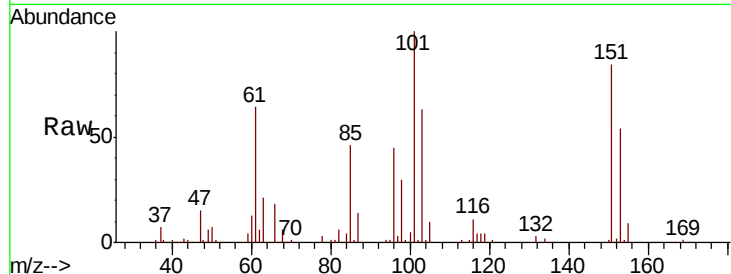
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.812 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	343949		
85	45.7	35.6	53.4	
151	85.8	65.5	98.3	

Manual Integrations
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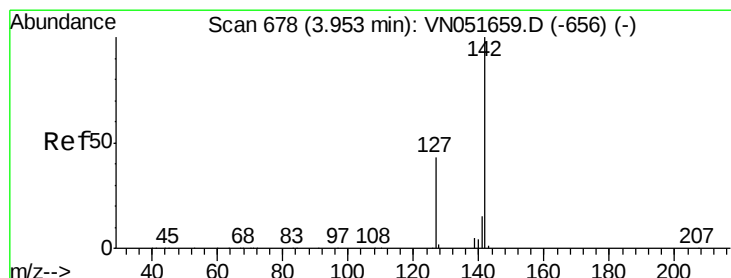
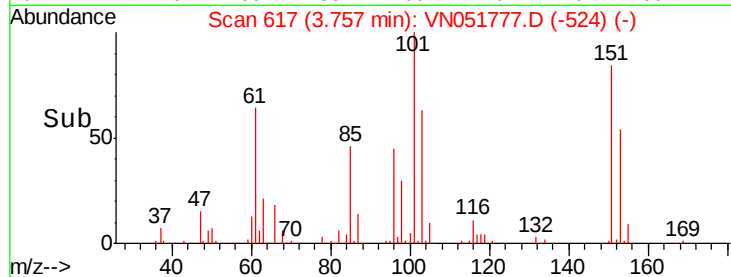
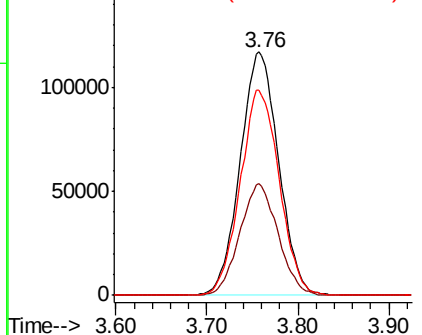


Abundance

Ion 100.90 (100.60 to 101.60): V

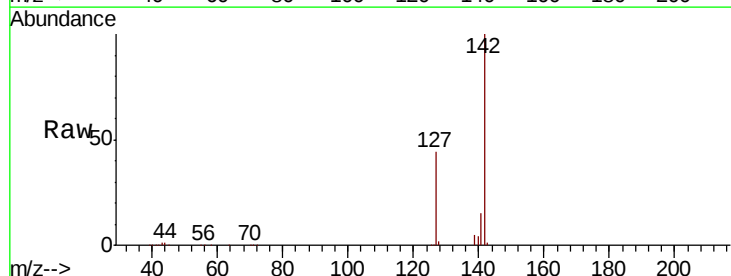
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 50.538 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	471084		
127	43.4	34.7	52.1	
141	14.1	11.4	17.2	

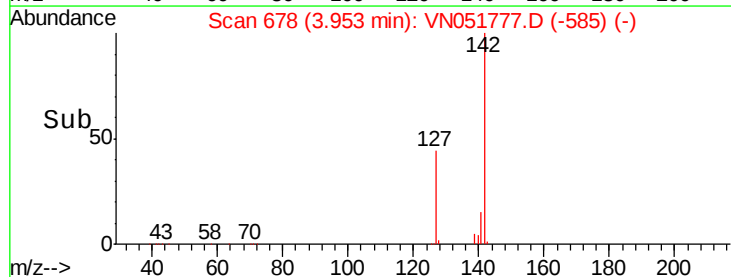
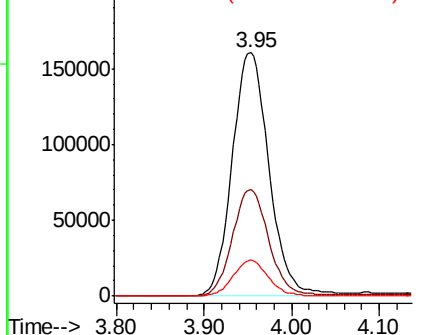


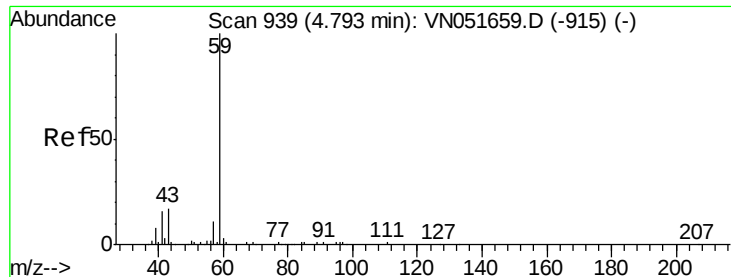
Abundance

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

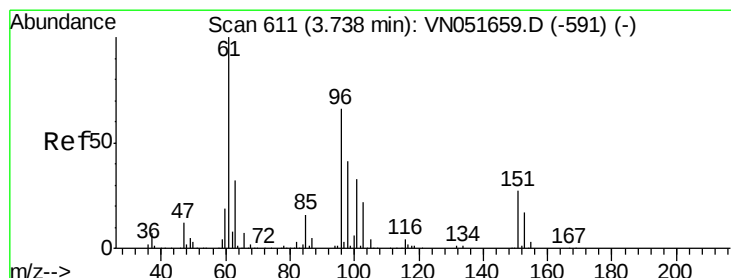
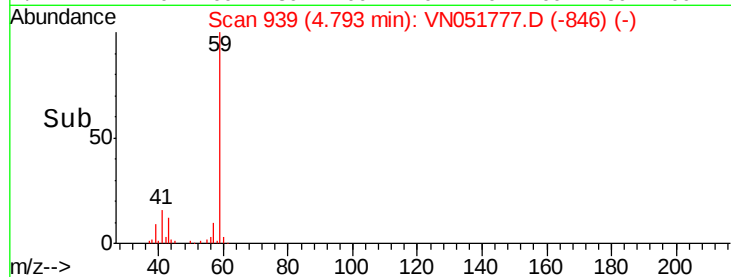
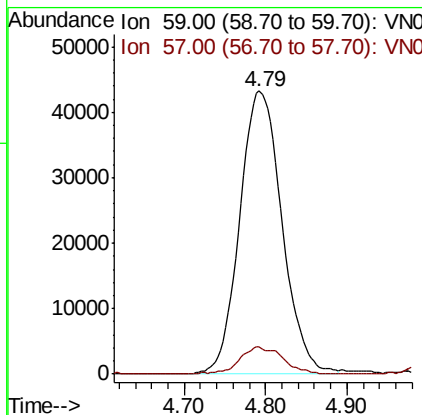
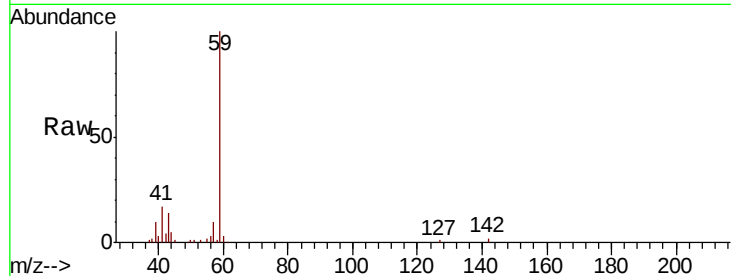
Tert butyl alcohol
 Concen: 245.140 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

Manual Integrations
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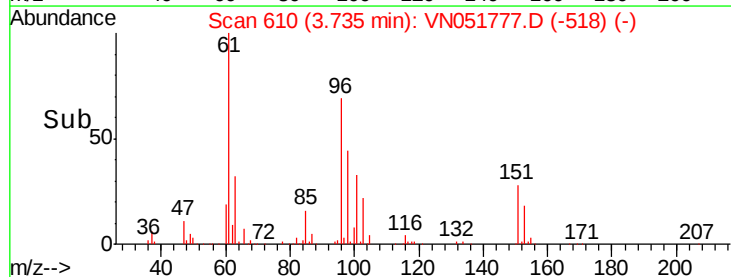
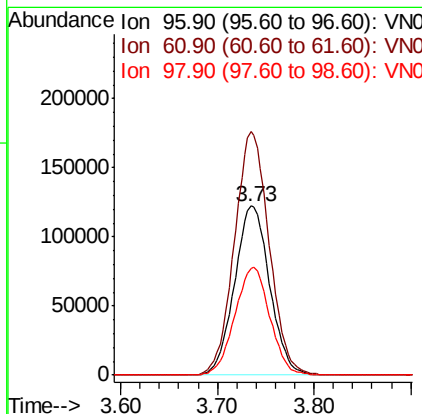
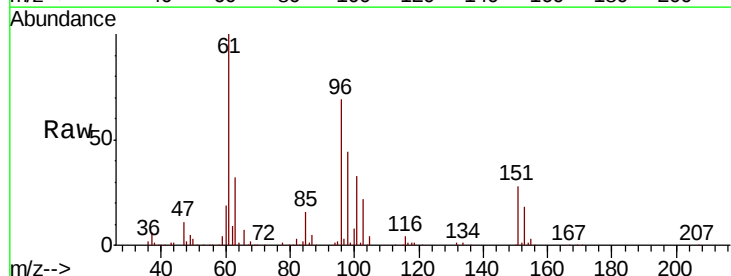
MMDadoda
 10/11/2018 5:51:12 PM

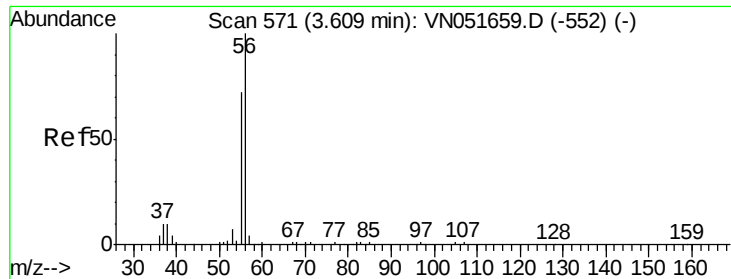


#12

1,1-Dichloroethene
 Concen: 47.103 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	121.4	182.0
98	63.2	49.9	74.9





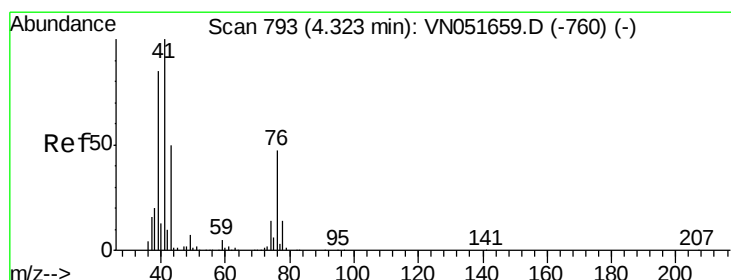
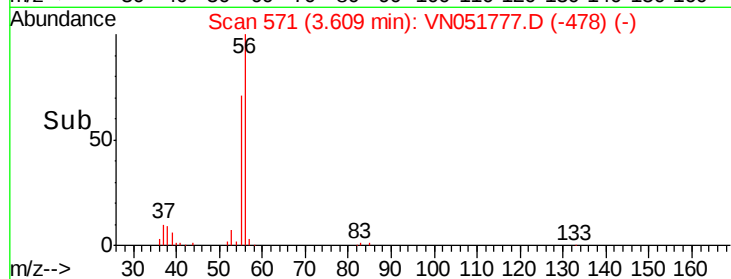
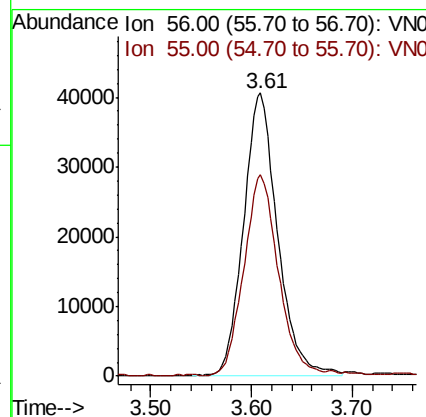
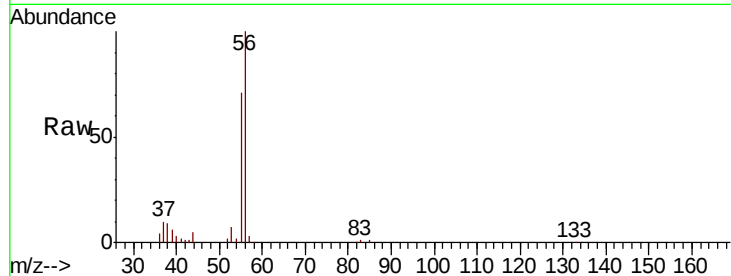
#13
Acrolein
Concen: 228.871 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.0	57.5	86.3

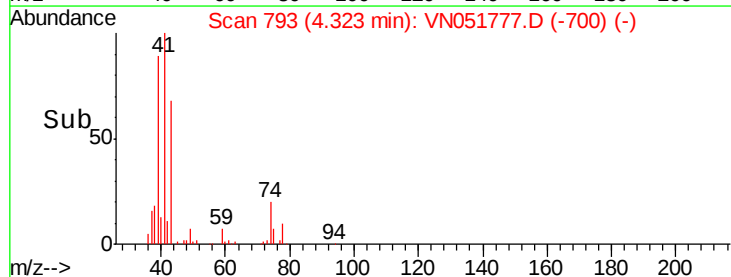
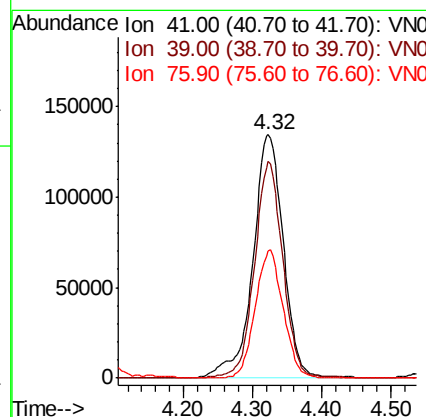
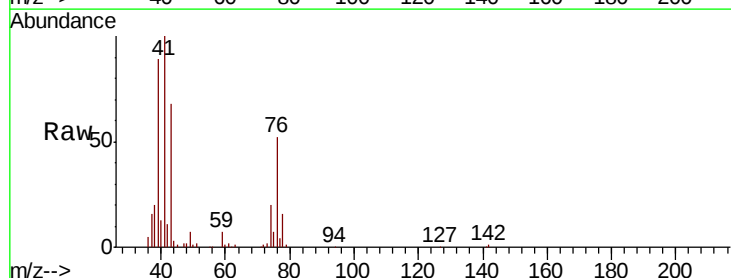
Manual Integrations
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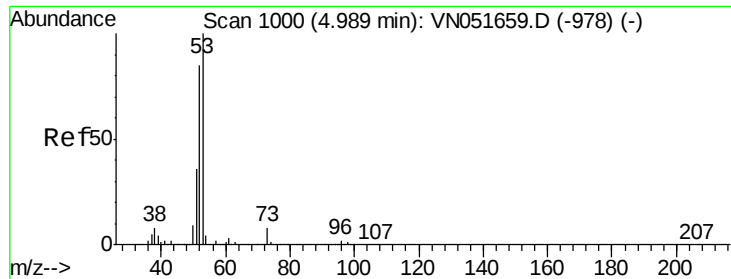
MMDadoda
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#14
Allyl chloride
Concen: 40.696 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	83.4	65.4	98.0
76	76	47.8	34.3	51.5





#15

Acrylonitrile

Concen: 244.552 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

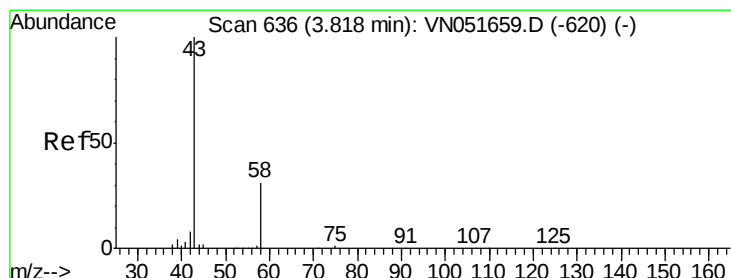
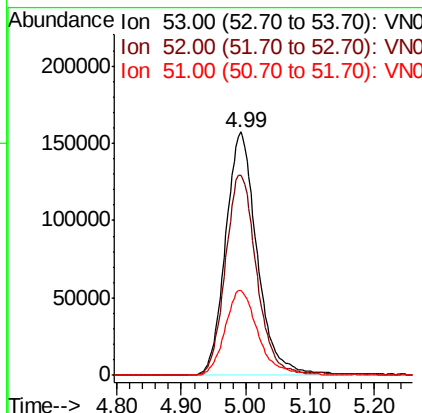
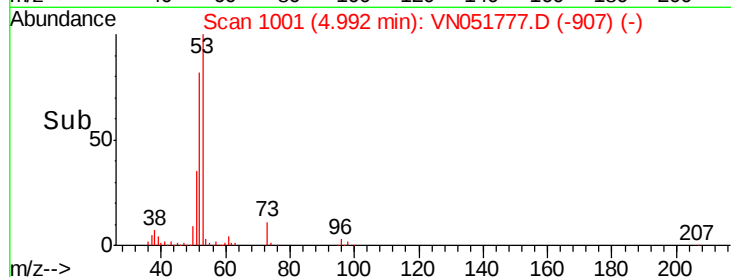
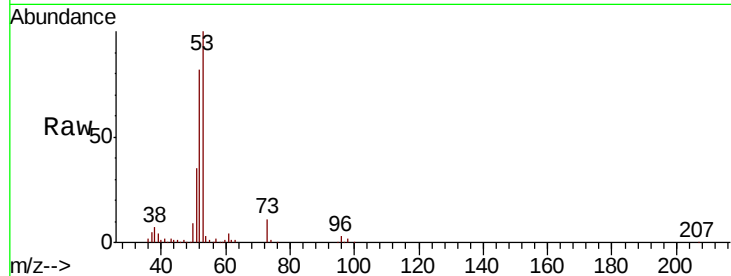
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	534307
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.2
51	36.6	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 267.628 ug/l

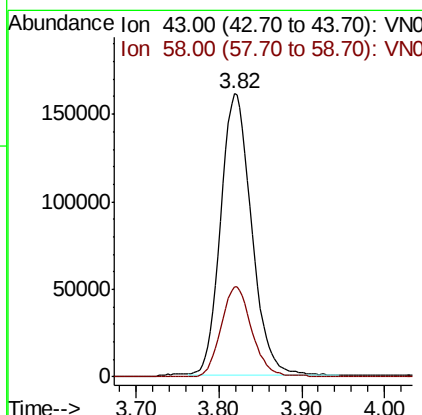
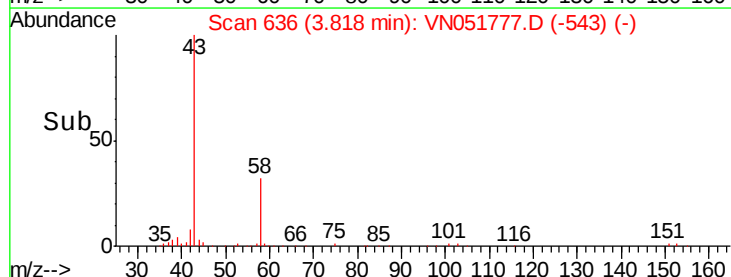
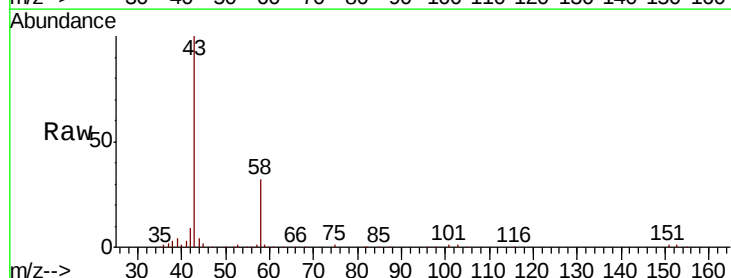
RT: 3.82 min Scan# 636

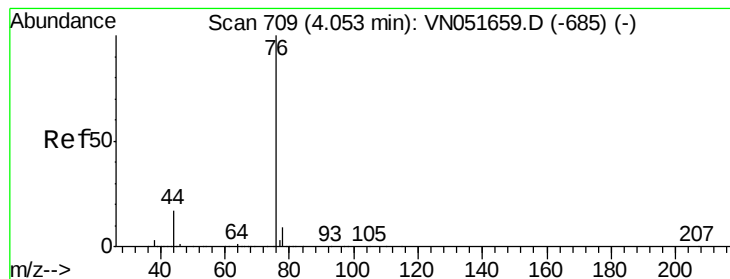
Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:	43	Resp:	415116
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.3	36.5





#17

Carbon Disulfide

Concen: 40.831 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 815105

Ion Ratio Lower Upper

76 100

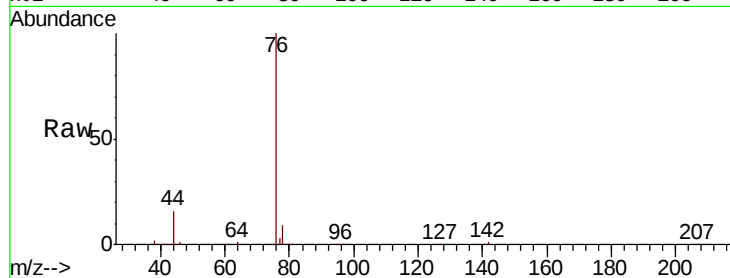
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

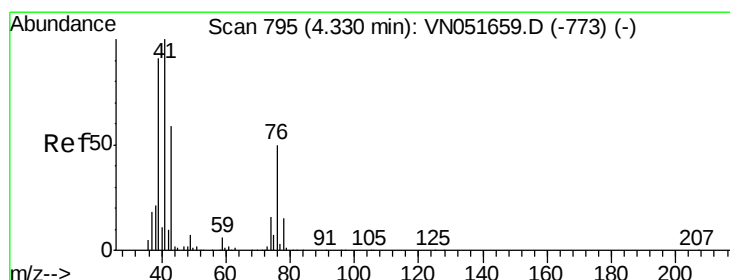
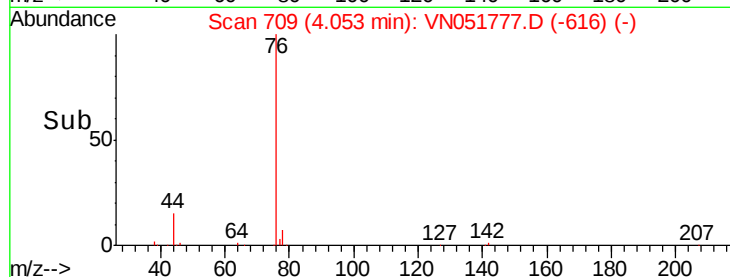
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.701 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN051777.D

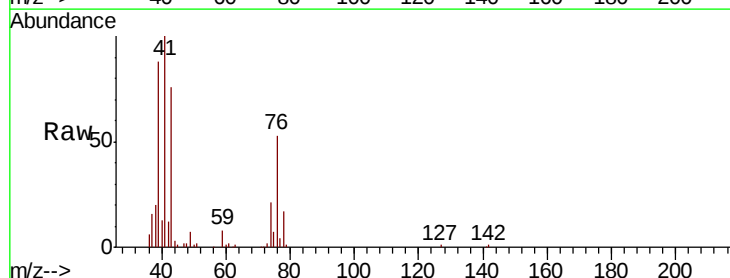
Acq: 10 Oct 2018 9:27

Tgt Ion: 43 Resp: 276136

Ion Ratio Lower Upper

43 100

74 29.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

100000

80000

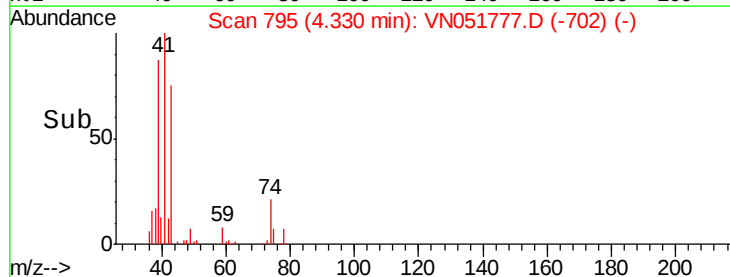
60000

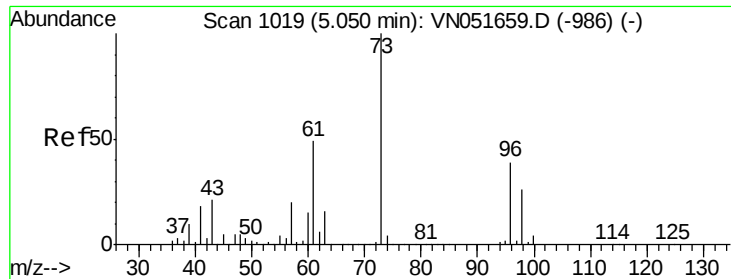
40000

20000

0

Time-->





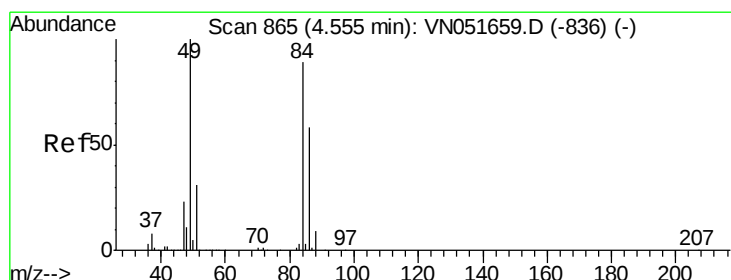
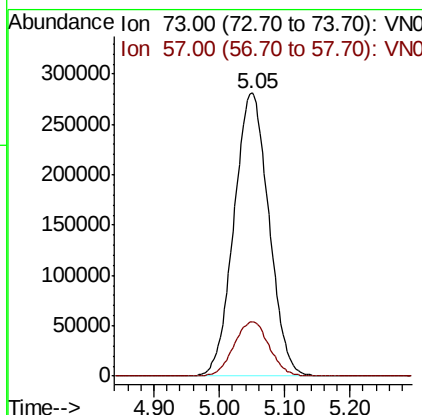
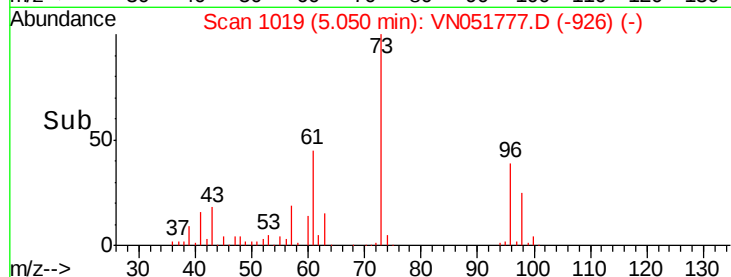
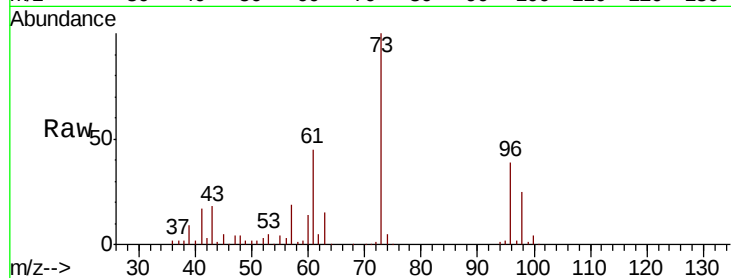
#19
Methvl tert-butvl Ether
Concen: 48.133 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1043420
Ion Ratio Lower Upper
73 100
57 19.3 15.6 23.4

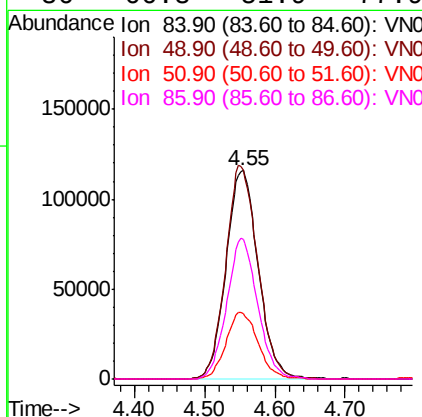
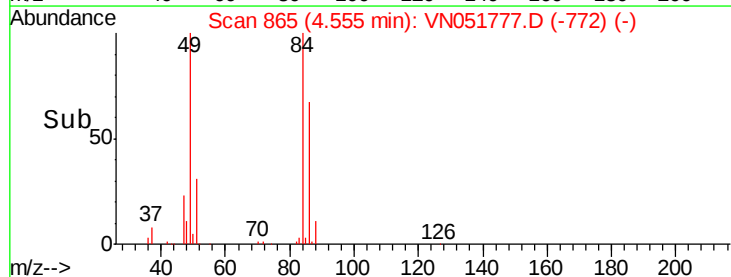
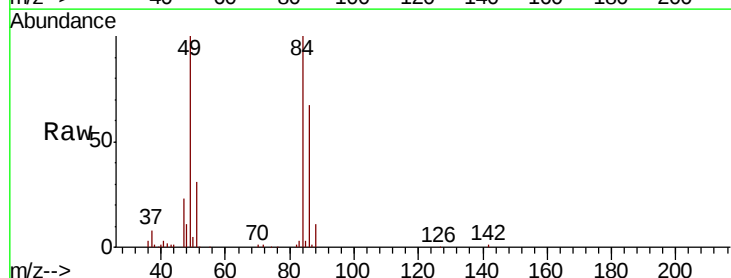
Manual Integrations
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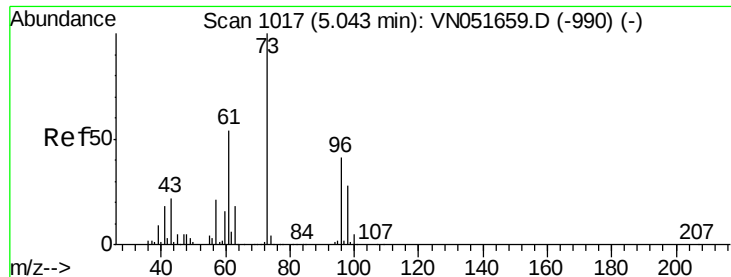
MMDadoda
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#20
Methylene Chloride
Concen: 48.375 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 84 Resp: 370784
Ion Ratio Lower Upper
84 100
49 99.7 89.5 134.3
51 31.5 27.4 41.0
86 66.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.858 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

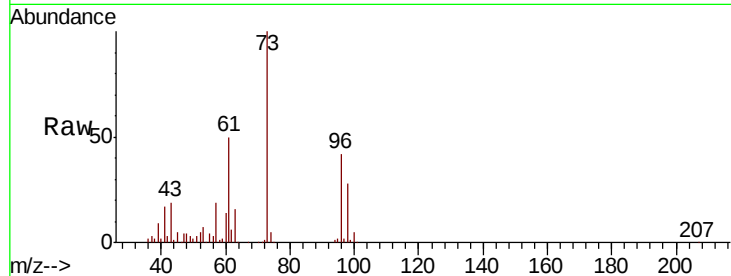
ClientSampleId :

VSTDCCC050

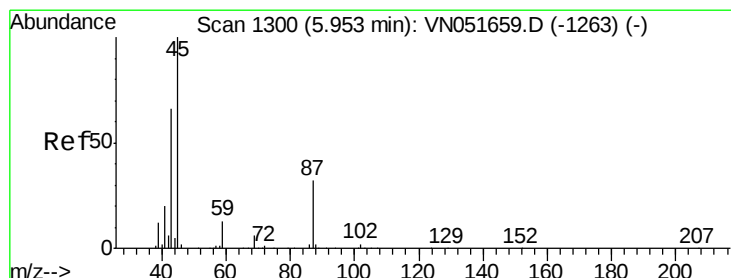
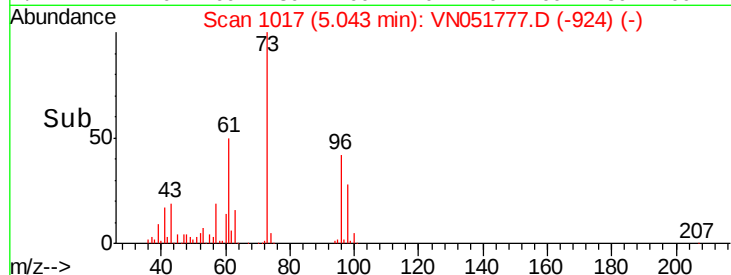
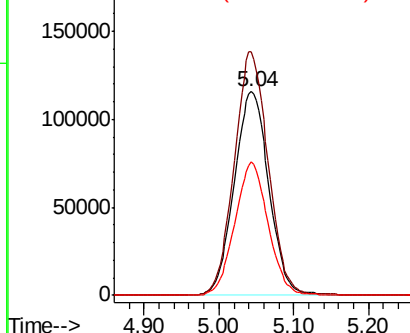
Tot Ion:	96	Resp:	372451
Ion	Ratio	Lower	Upper
96	100		
61	119.6	104.7	157.1
98	65.4	54.6	82.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 43.214 ug/l

RT: 5.96 min Scan# 1301

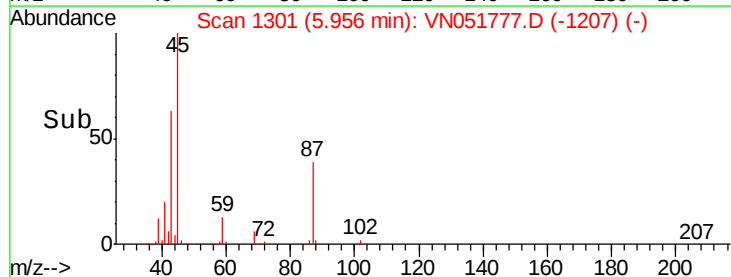
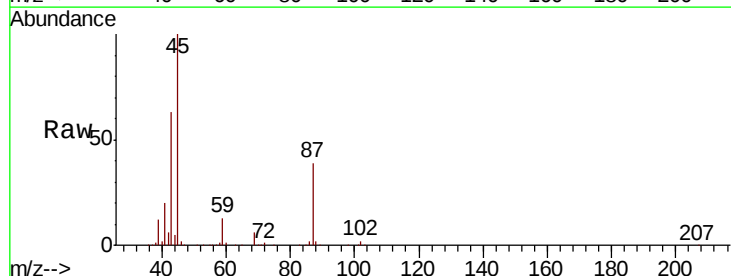
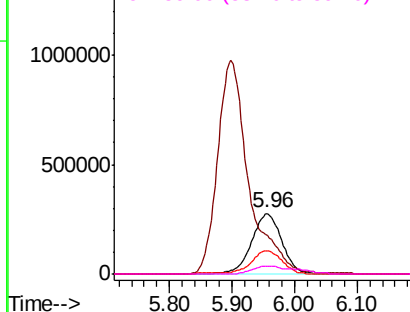
Delta R.T. 0.00 min

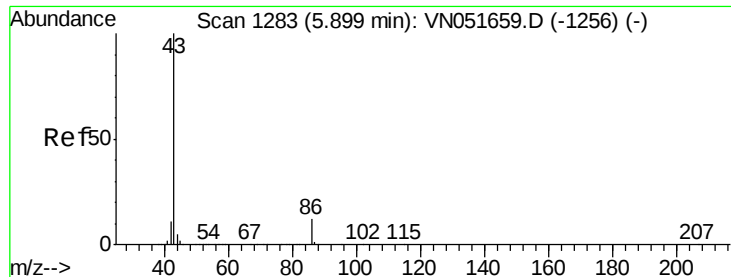
Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:	45	Resp:	927880
Ion	Ratio	Lower	Upper
45	100		
43	62.4	53.0	79.4
87	39.1	26.4	39.6
59	12.8	10.0	15.0

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 214.465 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3385932

Ion Ratio Lower Upper

43 100

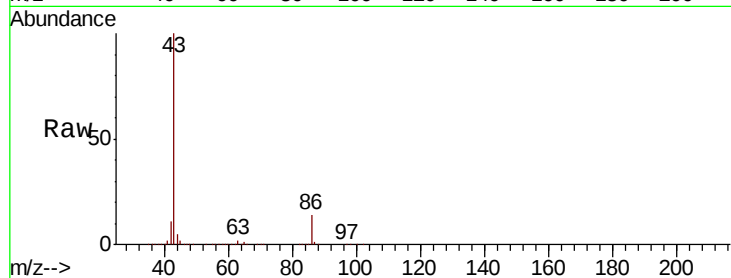
86 13.9 9.3 13.9#

Manual Integrations

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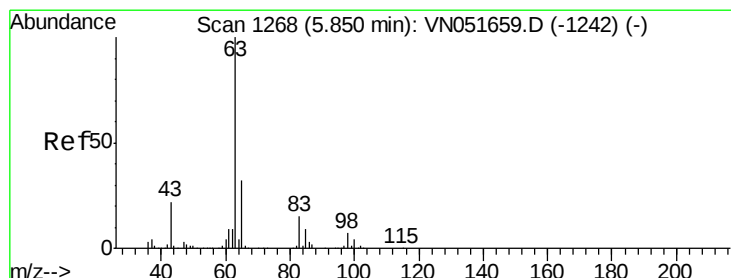
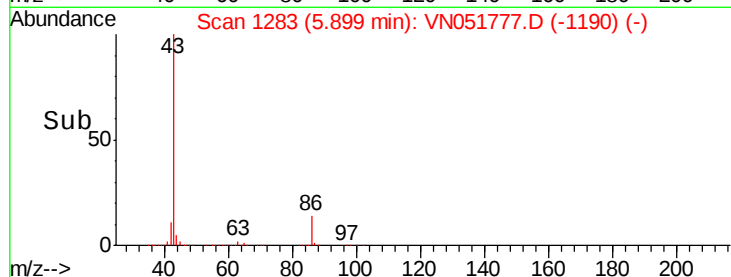
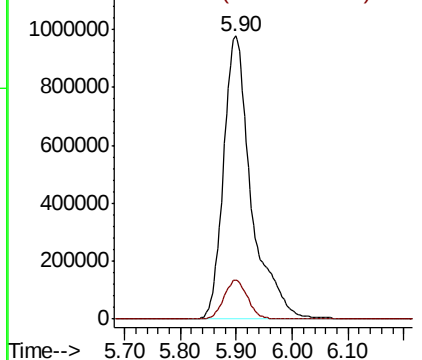
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.950 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

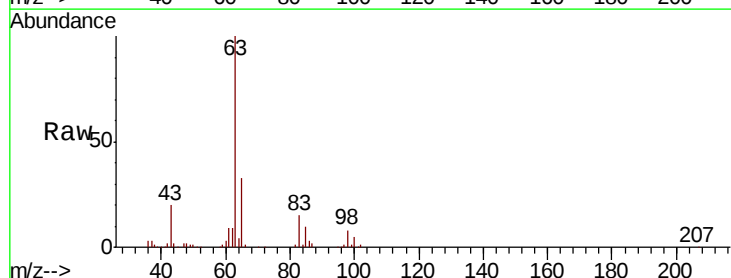
Tgt Ion: 63 Resp: 620723

Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

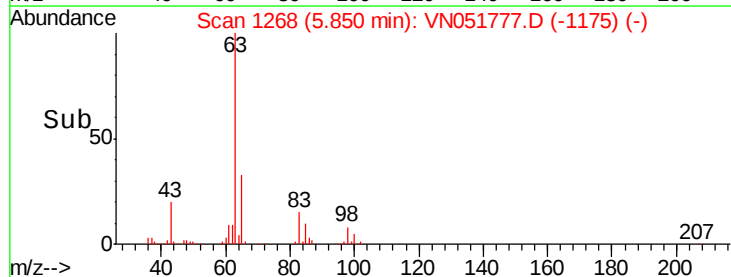
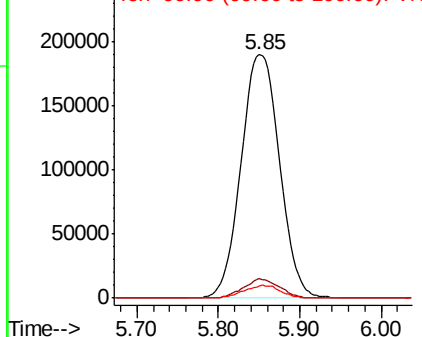
100 5.0 2.2 6.6

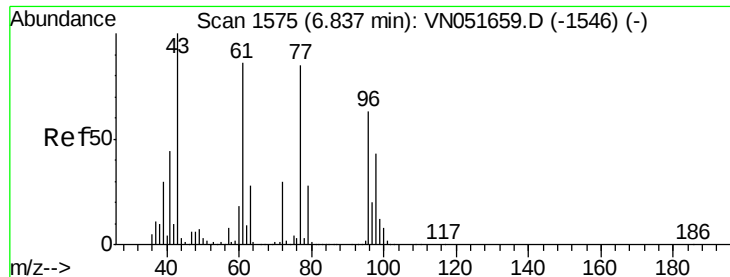


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





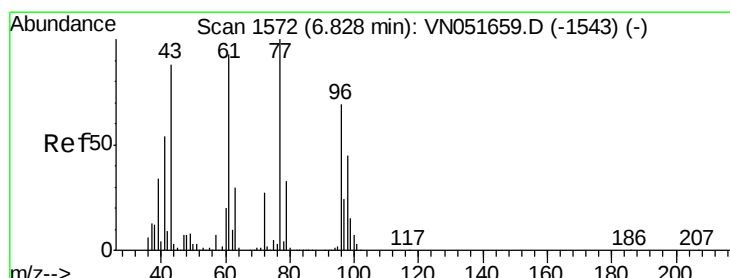
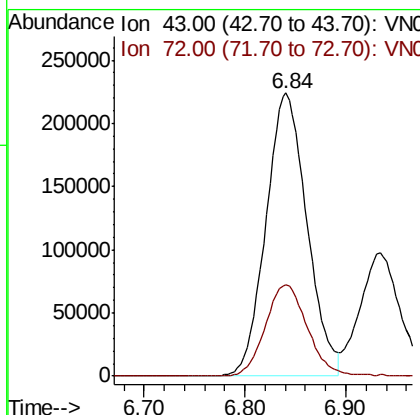
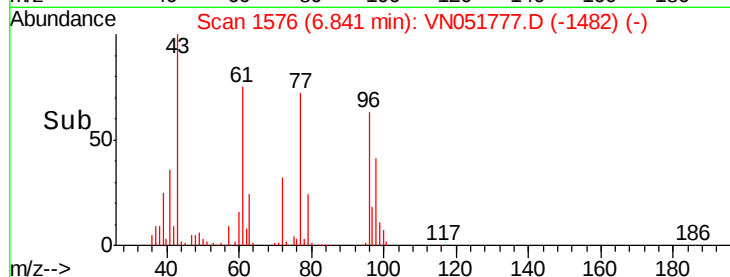
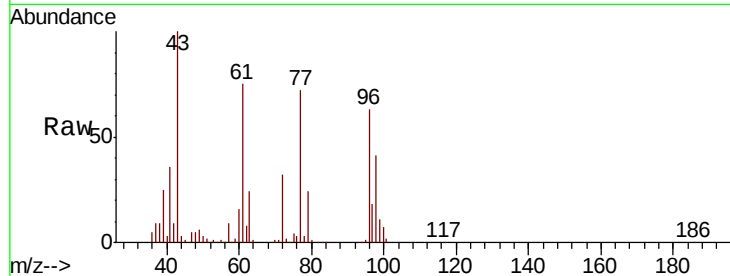
#25
2-Butanone
Concen: 234.501 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 630850
Ion Ratio Lower Upper
43 100
72 32.4 24.2 36.2

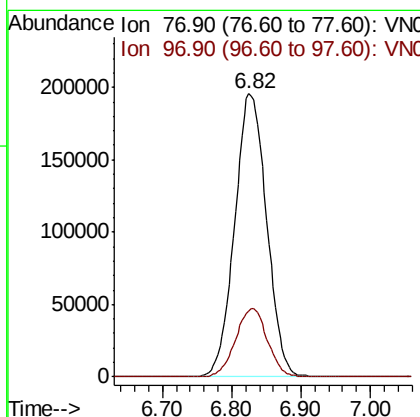
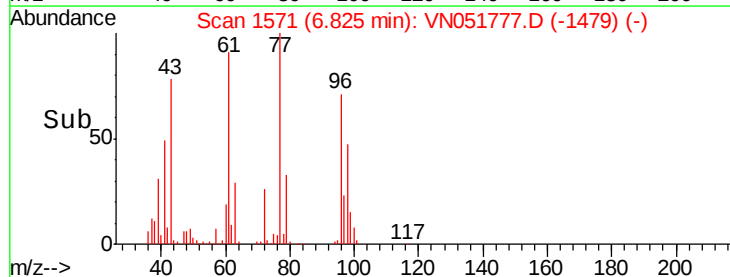
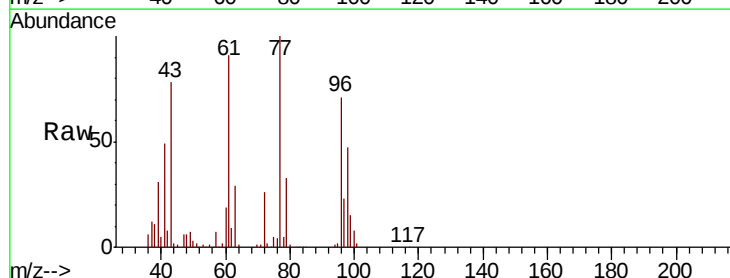
Manual Integrations
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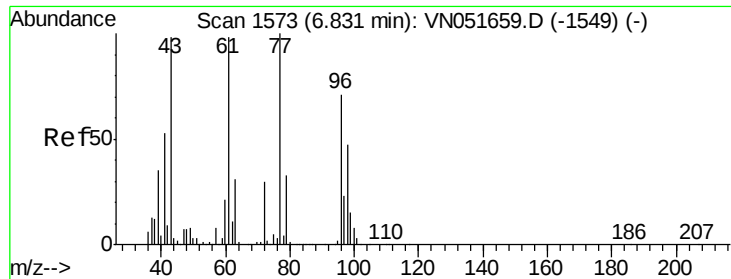
MMDadoda
10/11/2018 5:51:12 PM



#26
2,2-Dichloropropane
Concen: 45.389 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 77 Resp: 628114
Ion Ratio Lower Upper
77 100
97 24.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.853 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

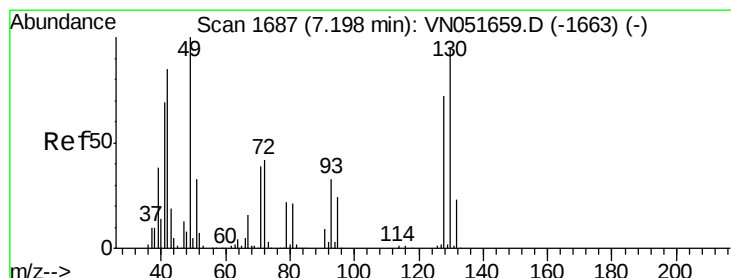
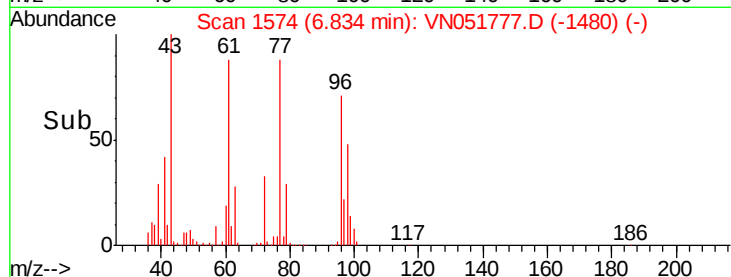
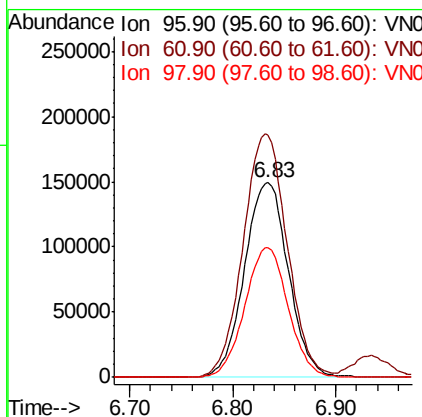
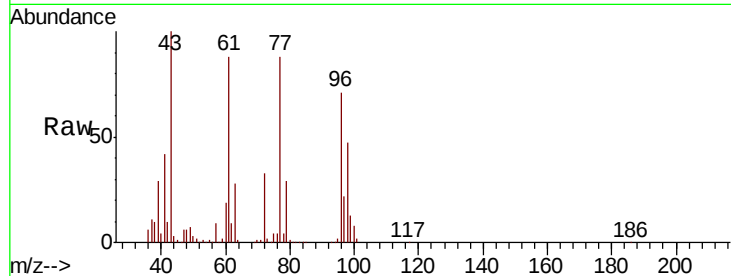
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	441357
Ion Ratio	Lower	Upper	
96	100		
61	125.7	0.0	275.4
98	66.0	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 41.101 ug/l

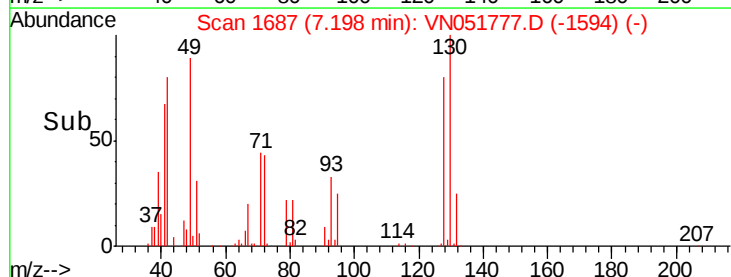
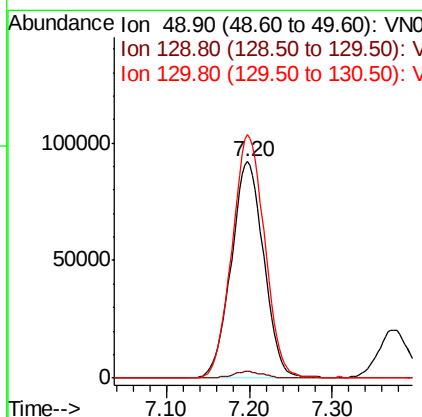
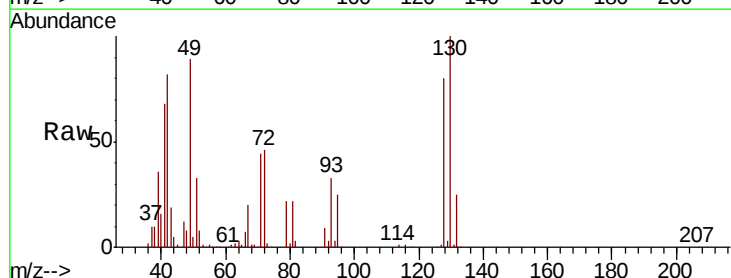
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:	49	Resp:	251271
Ion Ratio	Lower	Upper	
49	100		
129	2.8	0.0	4.8
130	112.7	75.7	113.5





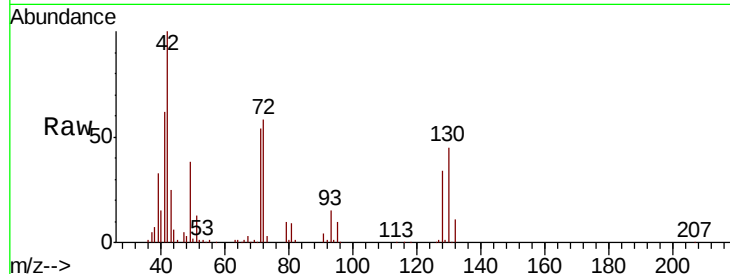
#29
Tetrahydrofuran
Concen: 234.726 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	40.1	60.1
71	54.0	38.0	57.0

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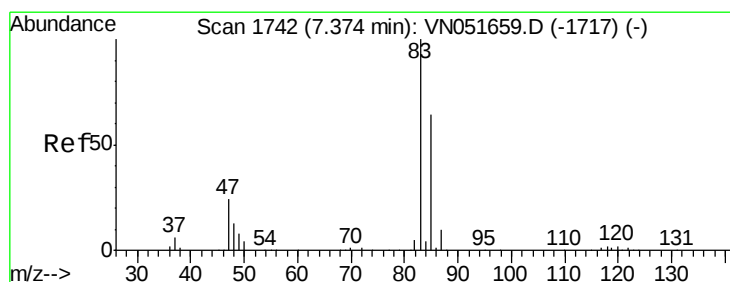
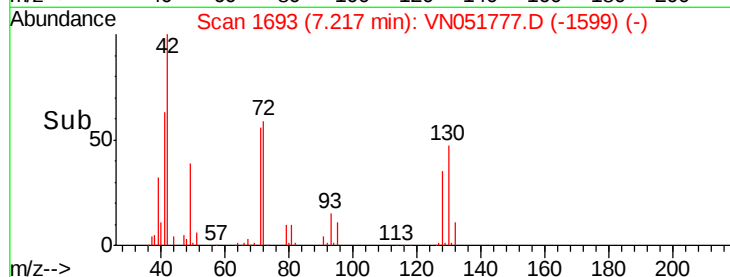
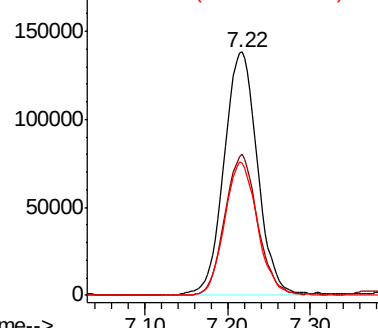


Abundance

Ion 42.00 (41.70 to 42.70): VN051659.D (-1662) (-)

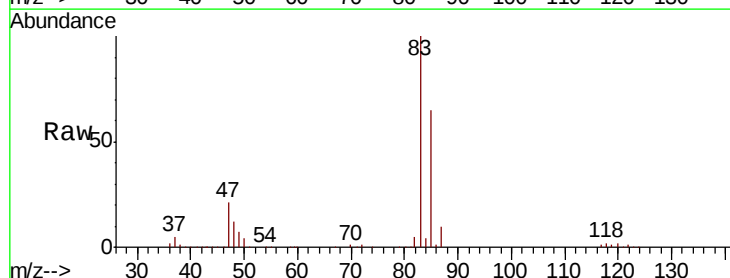
Ion 72.00 (71.70 to 72.70): VN051659.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN051659.D (-1662) (-)



#30
Chloroform
Concen: 47.659 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

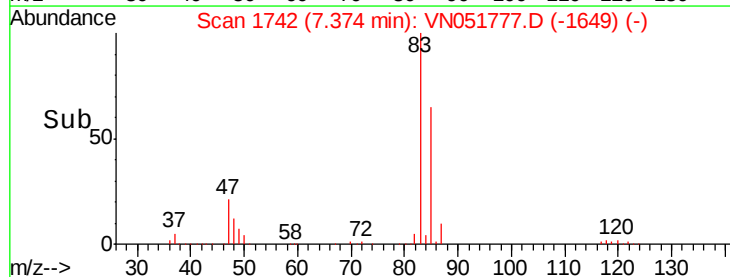
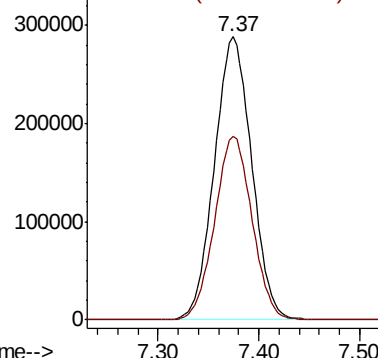
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.6	77.4

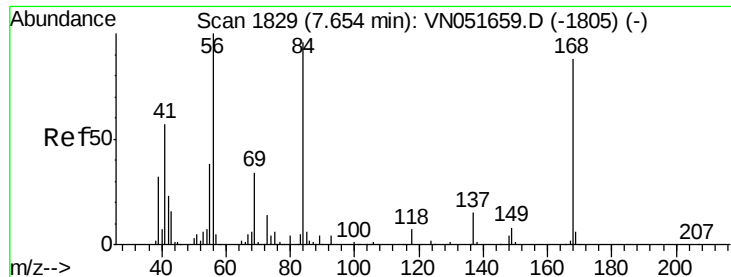


Abundance

Ion 82.90 (82.60 to 83.60): VN051659.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN051659.D (-1717) (-)





#31

Cyclohexane

Concen: 41.370 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

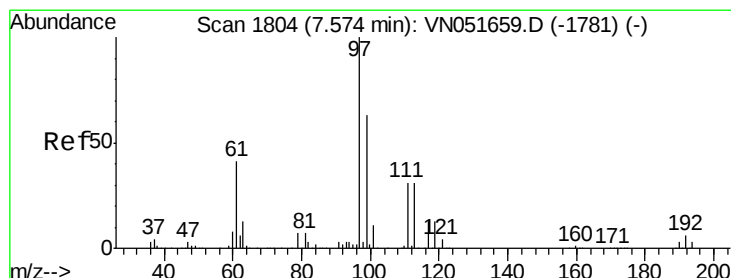
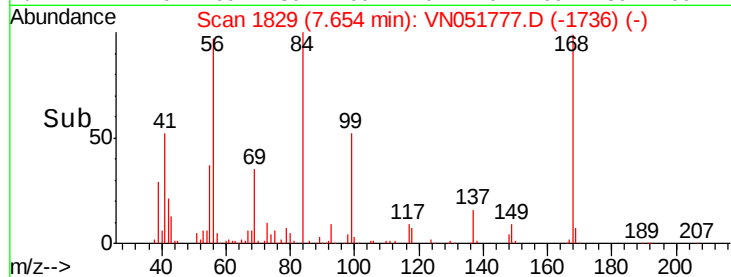
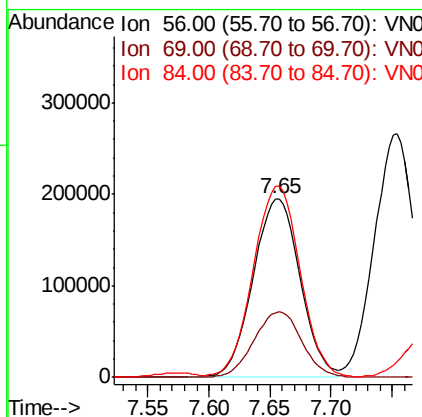
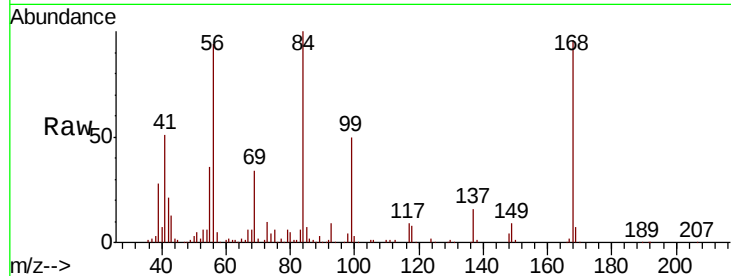
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	523193
Ion Ratio	Lower	Upper	
56	100		
69	36.2	27.5	41.3
84	104.4	76.7	115.1

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#32

1,1,1-Trichloroethane

Concen: 47.018 ug/l

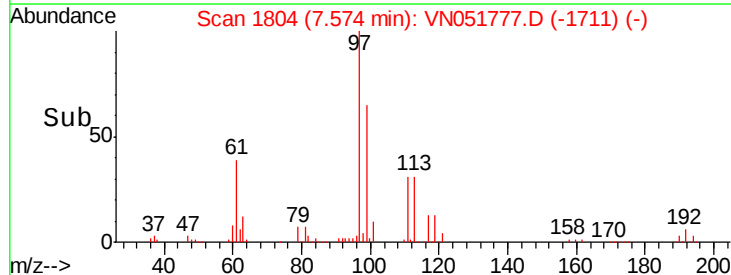
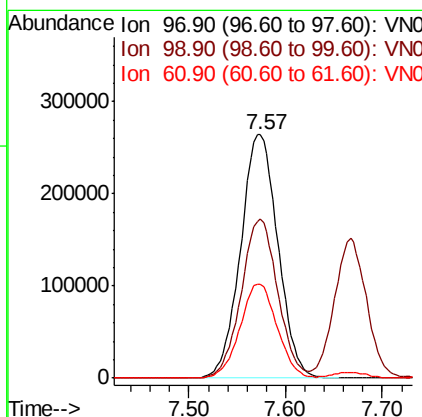
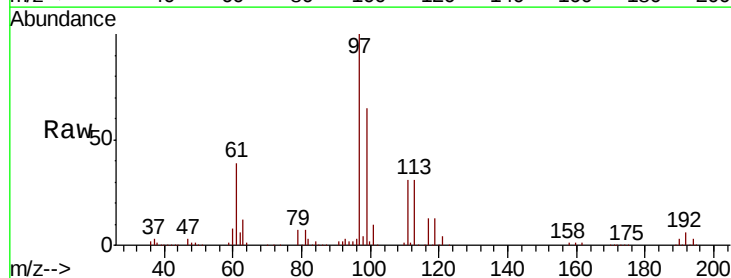
RT: 7.57 min Scan# 1804

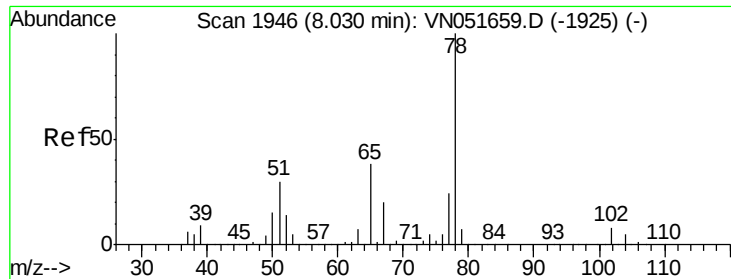
Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:	97	Resp:	707103
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.9	77.9
61	38.4	33.4	50.0





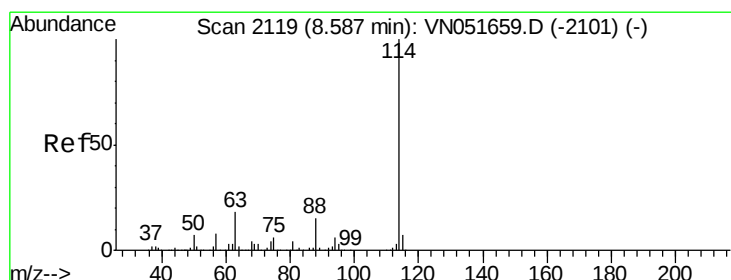
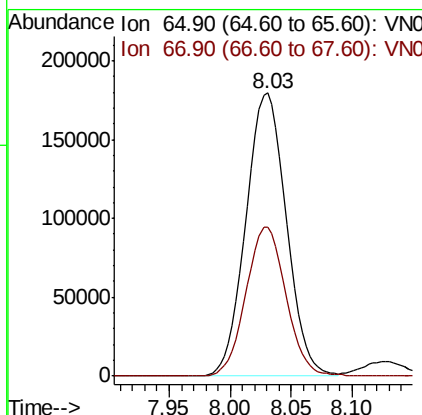
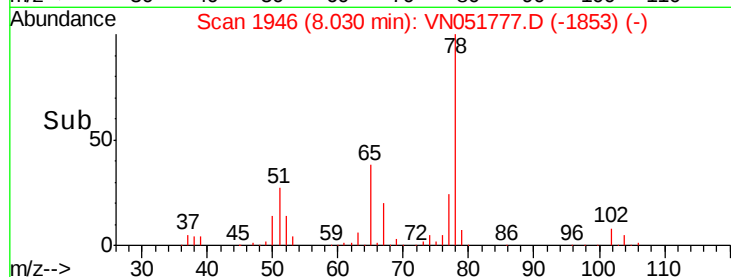
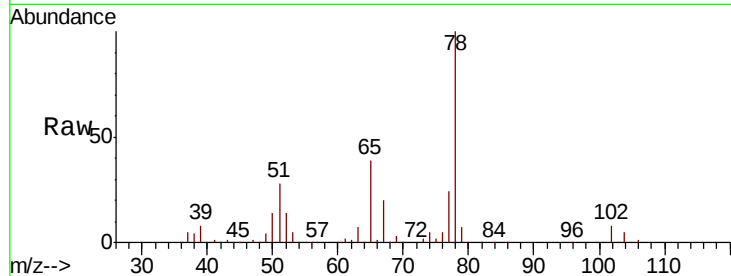
#33
 1,2-Dichloroethane-d4
 Concen: 47.018 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	412376		
67	52.2	0.0	103.6	

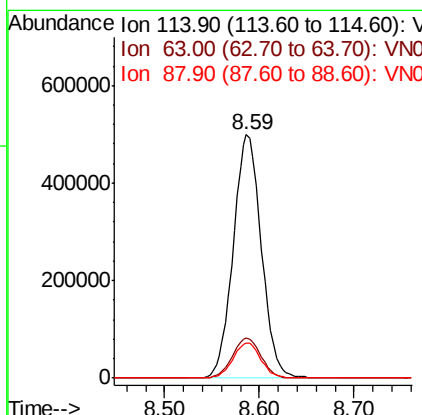
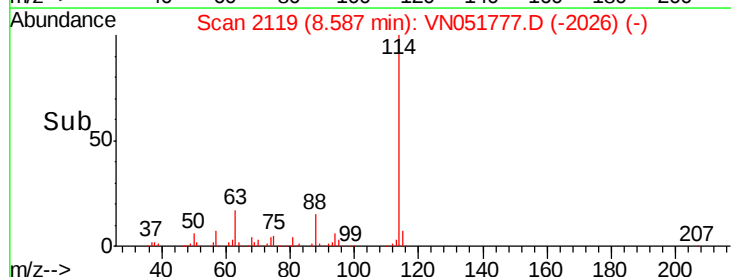
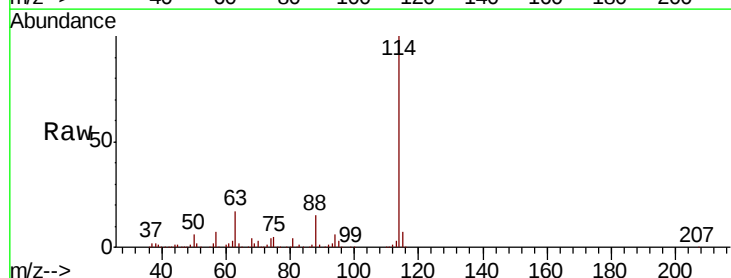
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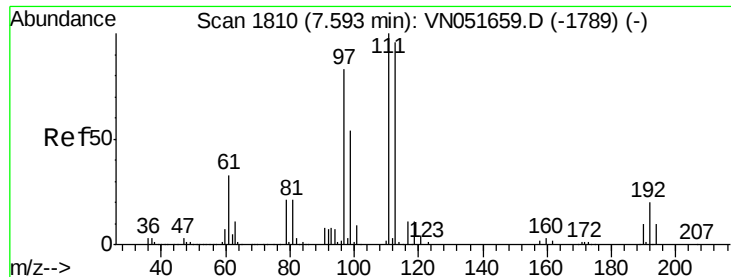
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1029696		
63	16.6	0.0	36.2	
88	14.5	0.0	30.2	





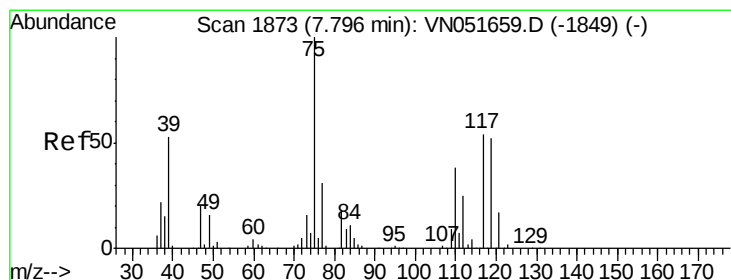
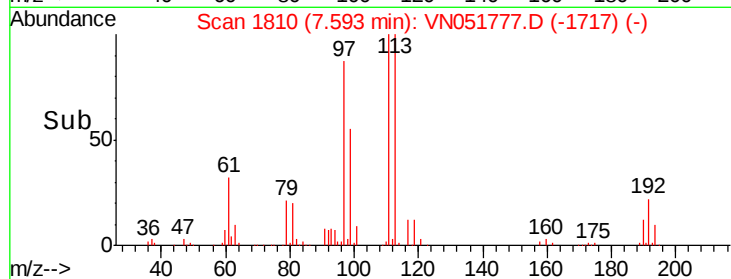
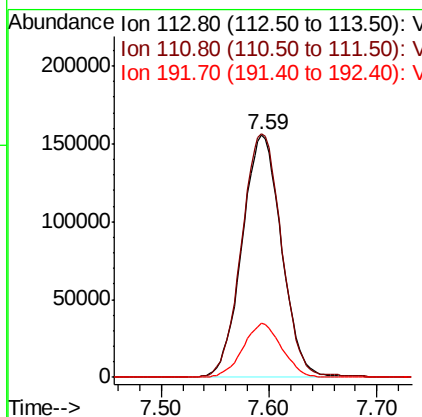
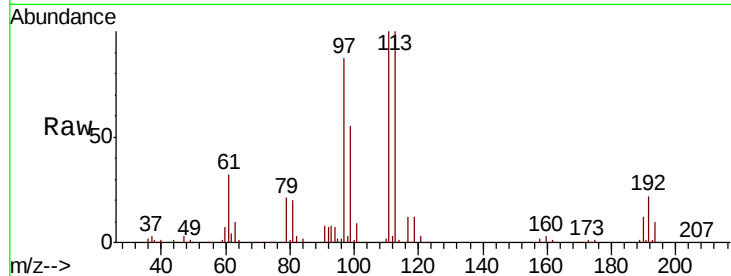
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	394491		
111	102.4	81.8	122.8	
192	21.8	16.5	24.7	

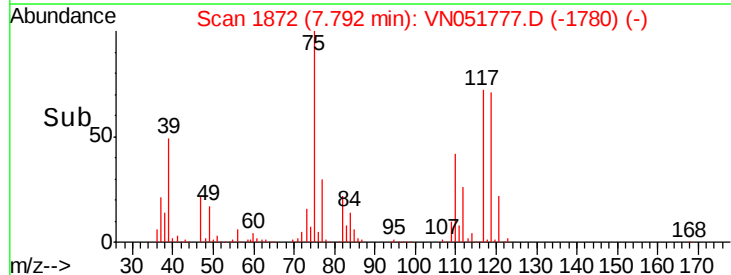
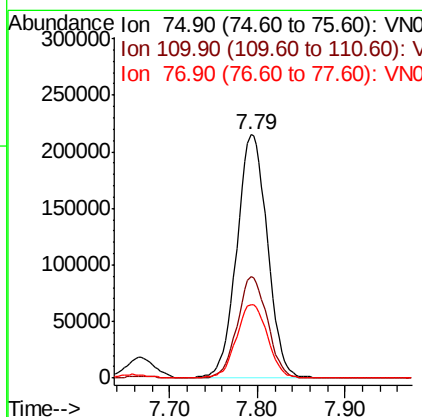
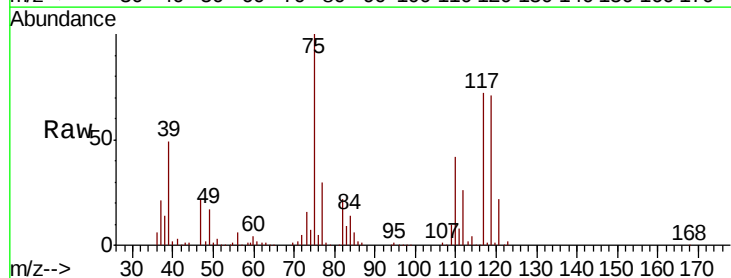
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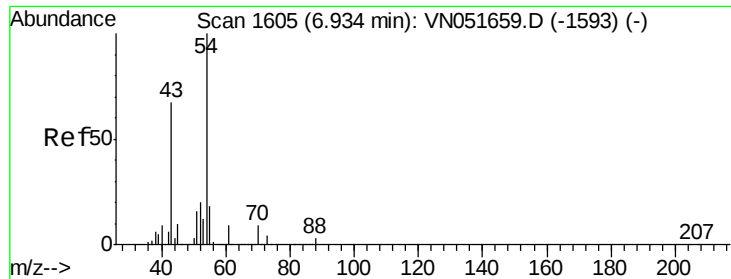
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#36
 1,1-Dichloropropene
 Concen: 48.456 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	521527		
110	40.9	19.3	57.8	
77	31.1	24.7	37.1	





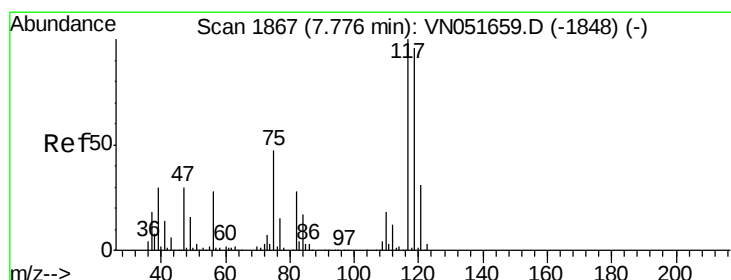
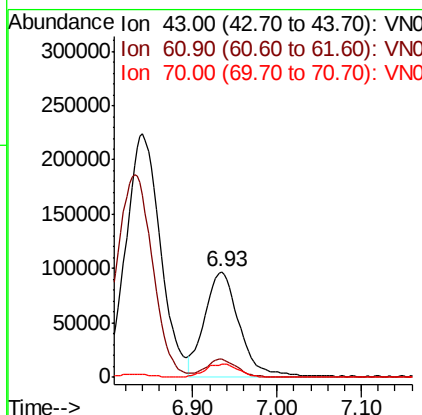
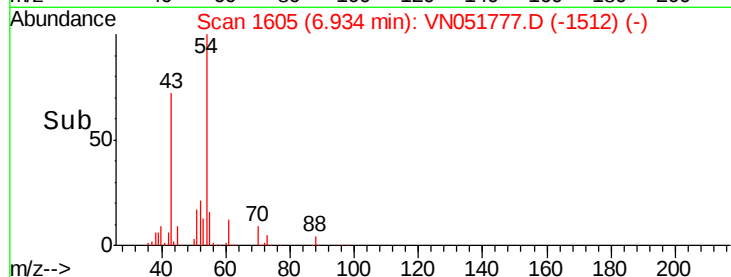
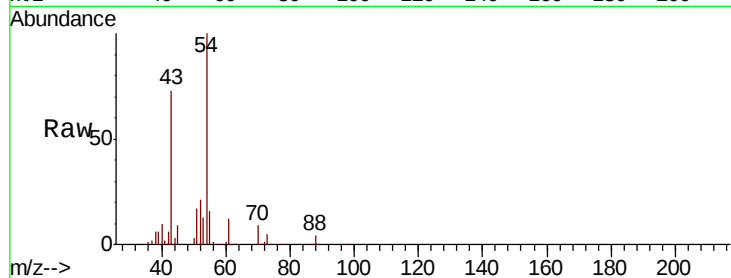
#37
Ethyl Acetate
Concen: 49.008 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	12.0	8.7	13.1

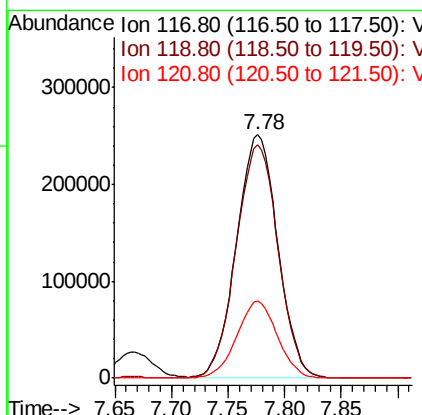
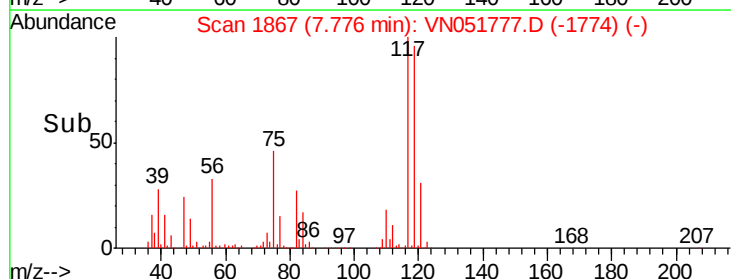
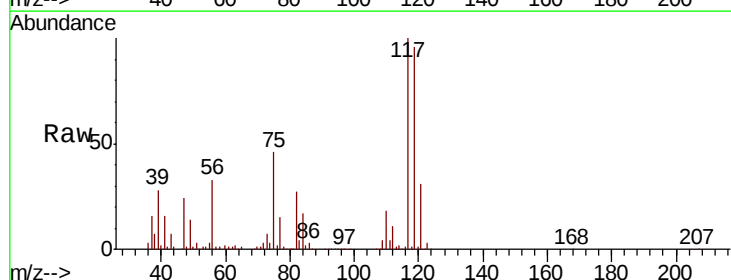
Manual Integrations
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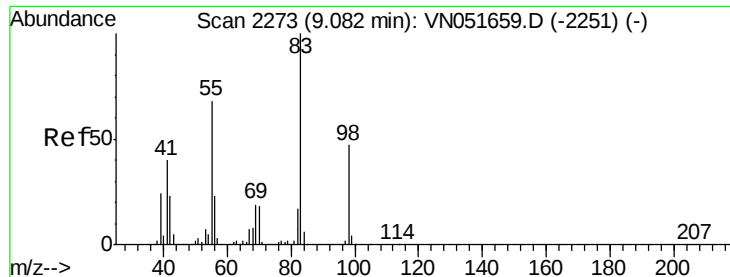
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#38
Carbon Tetrachloride
Concen: 49.298 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
121	31.5	25.0	37.6





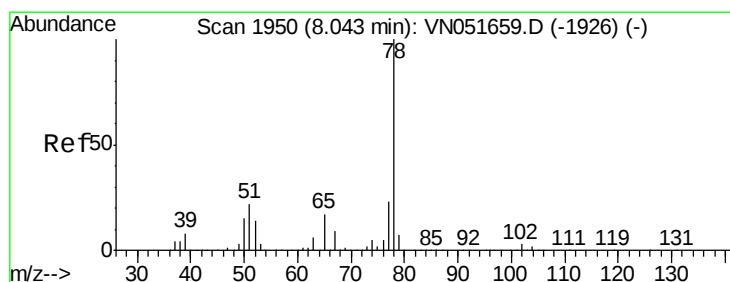
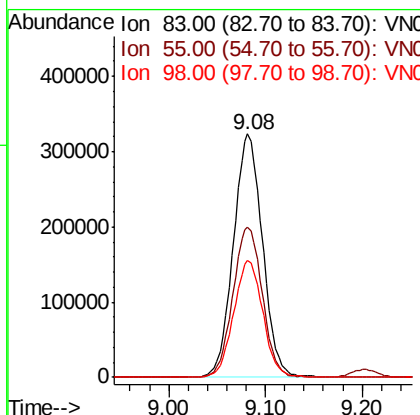
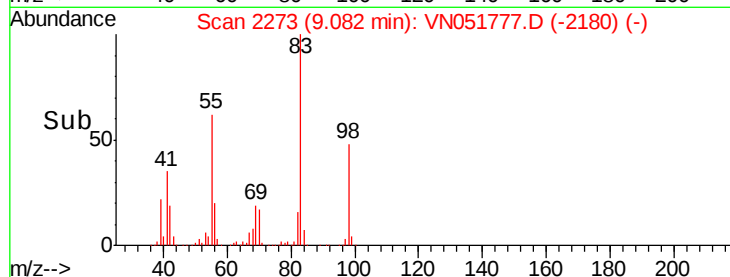
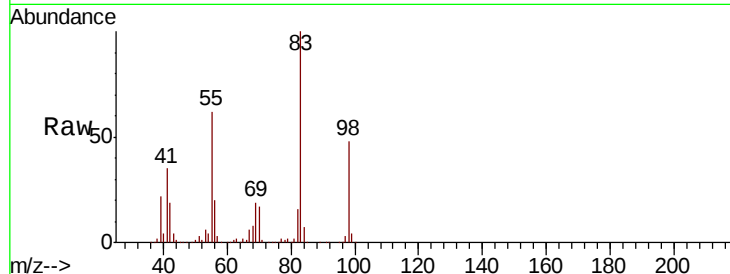
#39
Methvlcvclohexane
Concen: 50.068 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.8	54.3	81.5
98	47.8	37.4	56.2

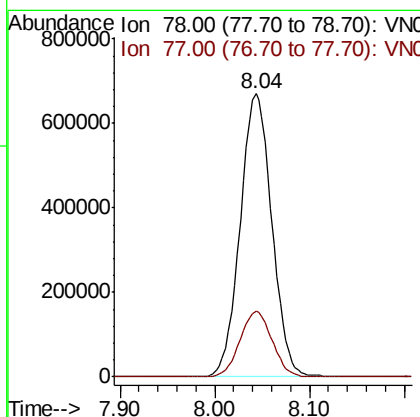
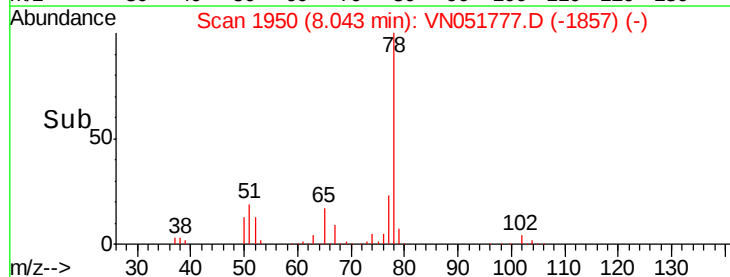
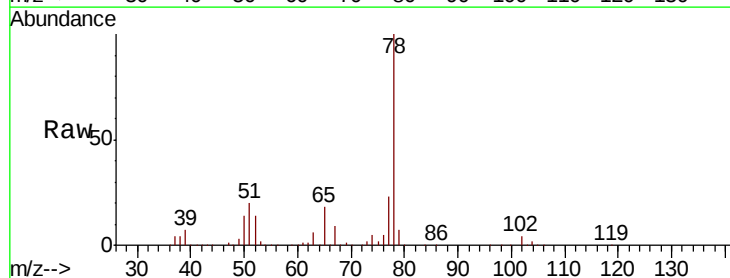
Manual Integrations
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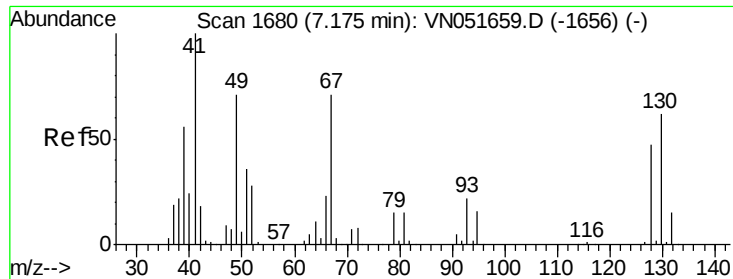
MMDadoda
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#40
Benzene
Concen: 48.827 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





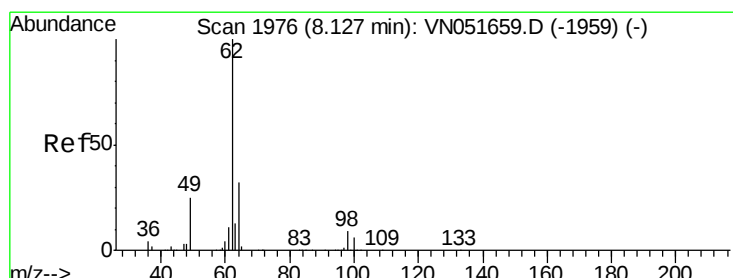
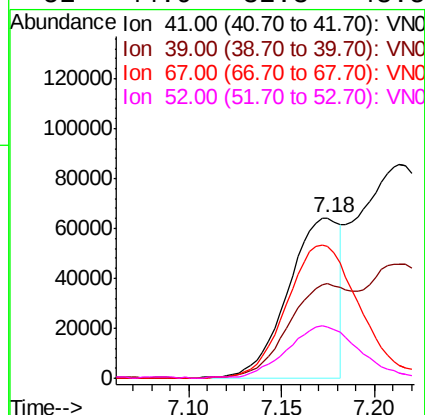
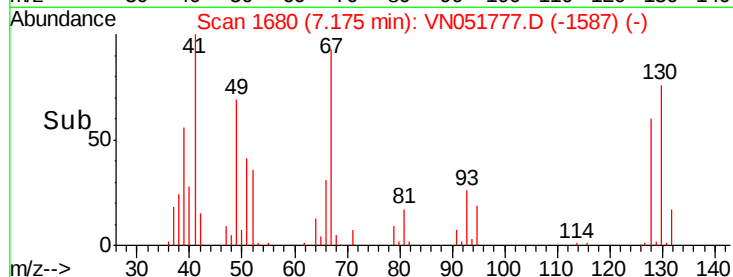
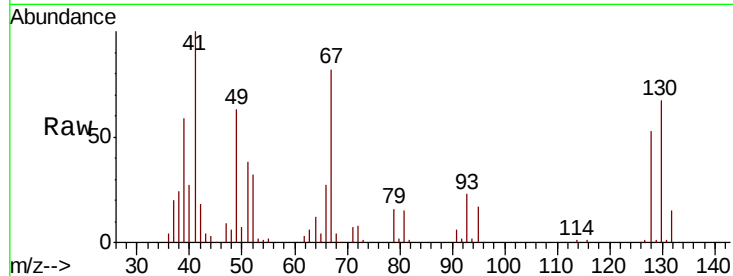
#41
Methacrylonitrile
Concen: 42.928 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	124281
Ion Ratio	Lower	Upper	
41	100		
39	74.1	53.9	80.9
67	118.1	78.1	117.1#
52	44.9	32.3	48.5

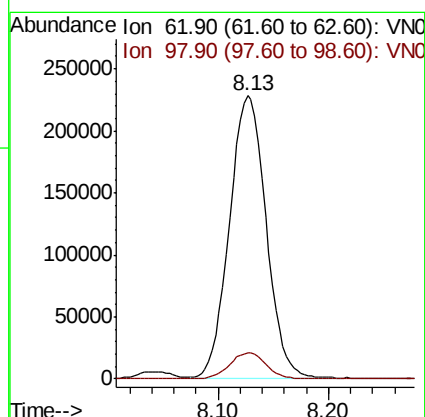
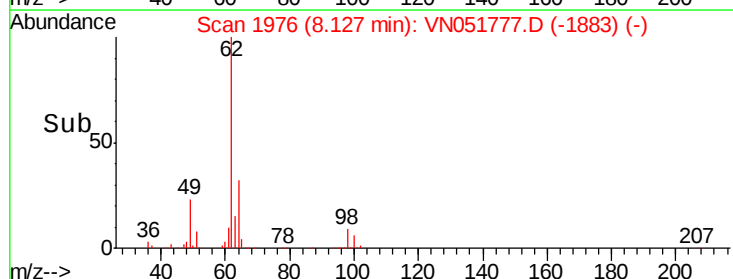
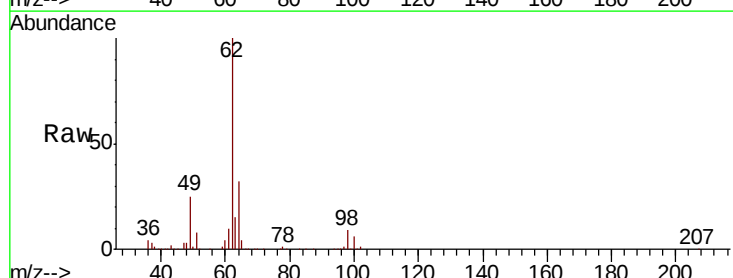
Manual Integrations
APPROVED

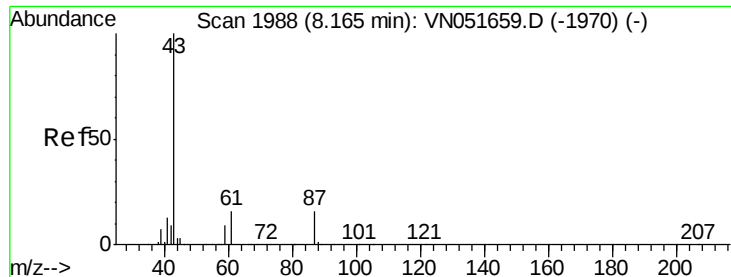
MMDadoda
10/11/2018 5:51:12 PM



#42
1,2-Dichloroethane
Concen: 48.794 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:	62	Resp:	524667
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.4





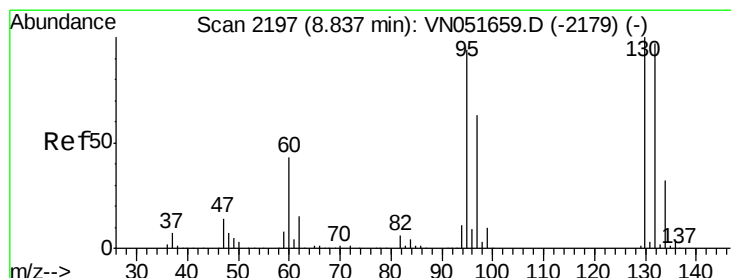
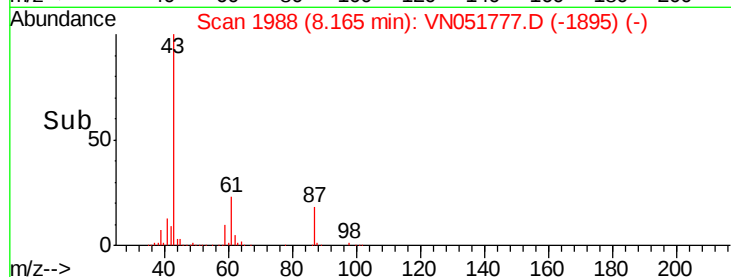
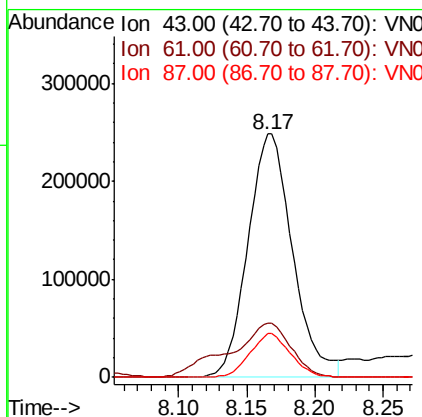
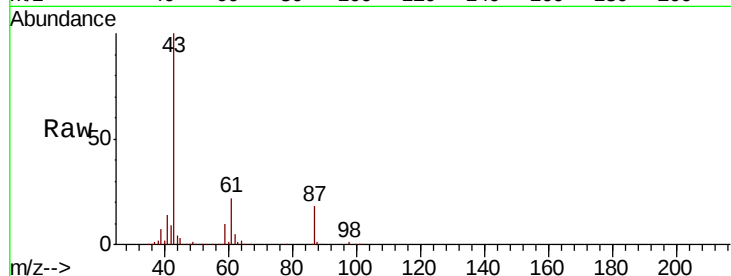
#43
Isopropyl Acetate
Concen: 48.091 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.8	23.6#
87	16.5	12.6	19.0

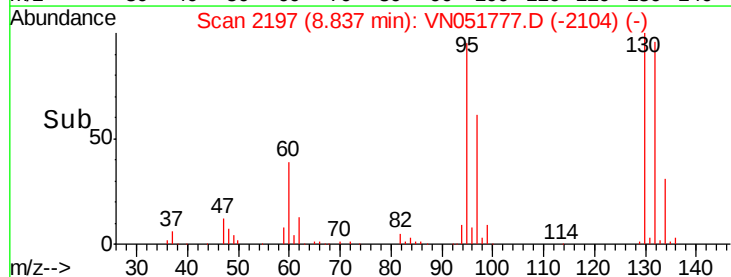
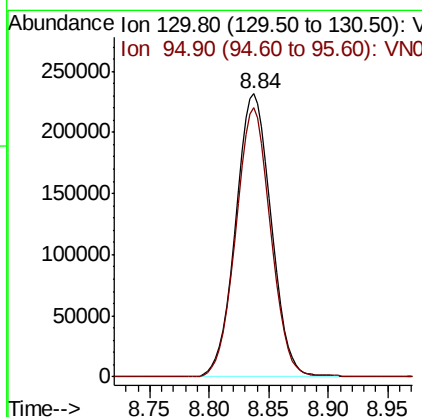
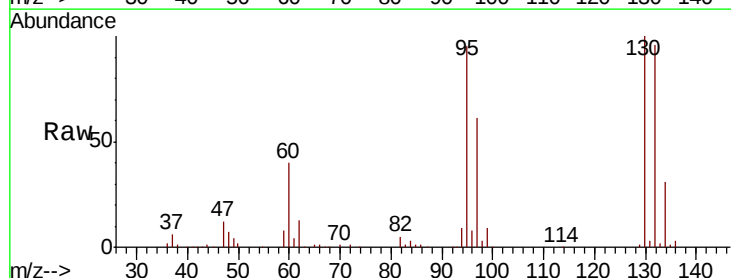
Manual Integrations
APPROVED

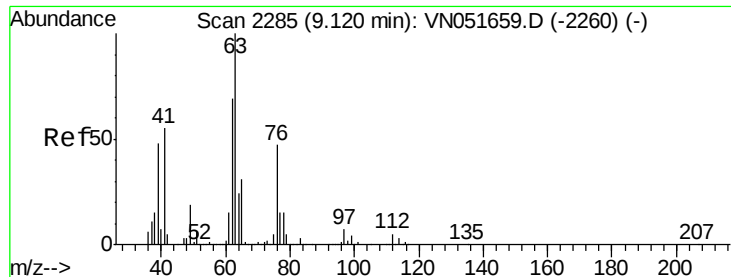
MMDadoda
10/11/2018 5:51:12 PM



#44
Trichloroethene
Concen: 52.887 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 47.213 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 372441

Ion Ratio Lower Upper

63 100

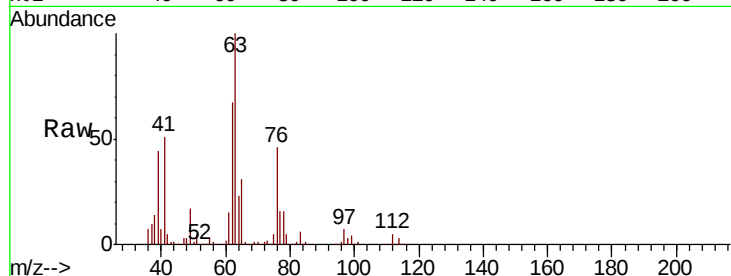
65 31.4 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

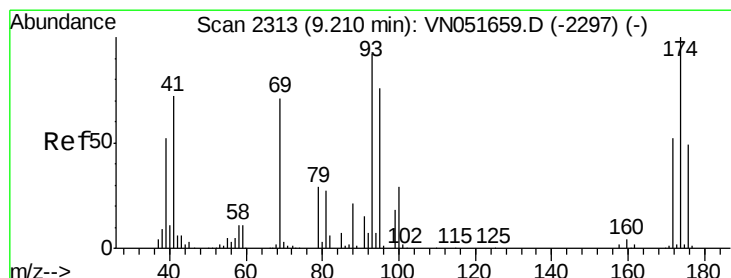
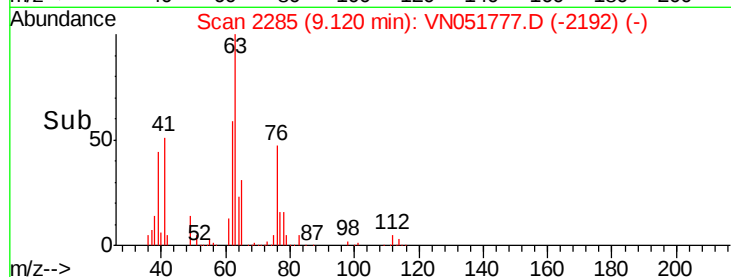
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.429 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

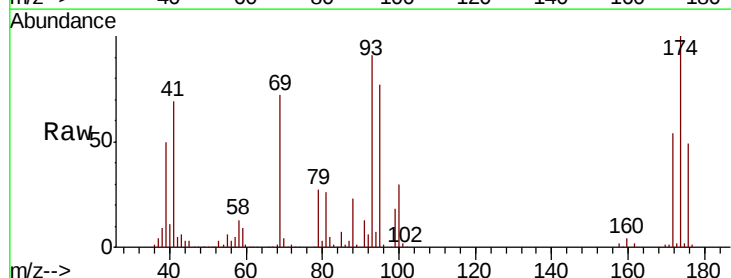
Tgt Ion: 93 Resp: 287476

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 109.8 85.9 128.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

200000

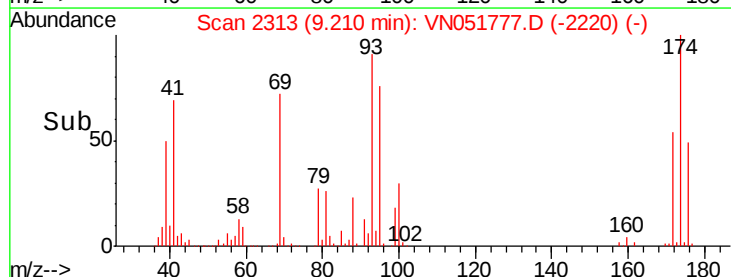
150000

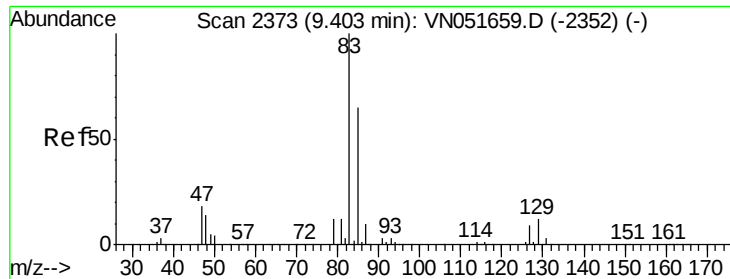
100000

50000

0

Time-->





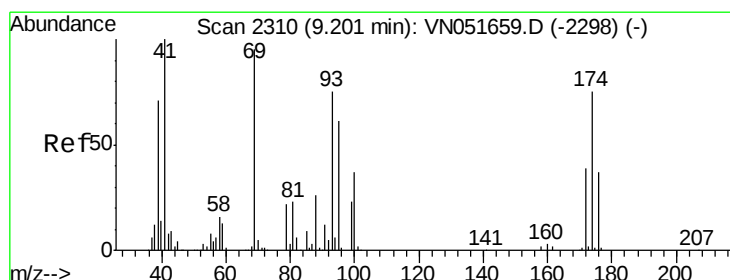
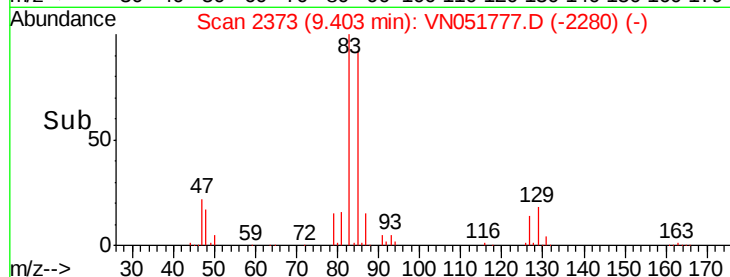
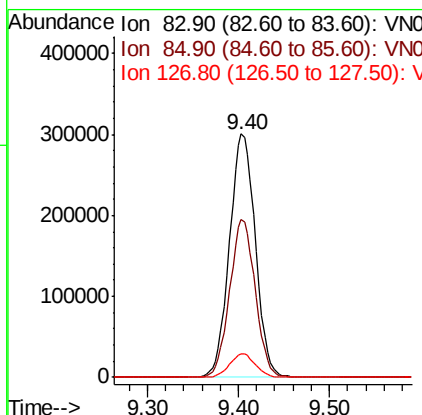
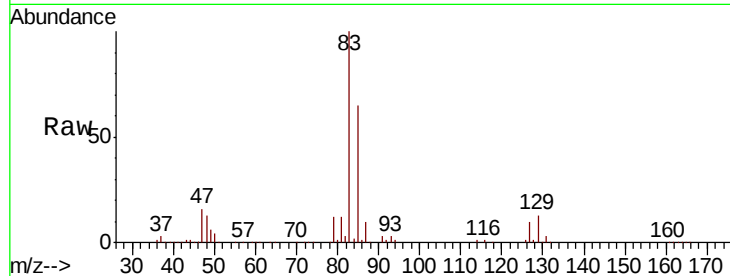
#47
Bromodichloromethane
Concen: 49.222 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	594124		
85	65.0	51.6	77.4	
127	9.7	7.3	10.9	

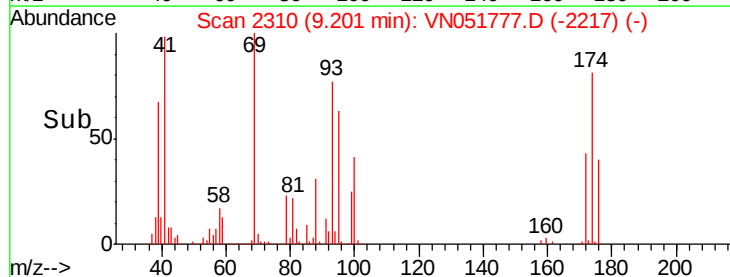
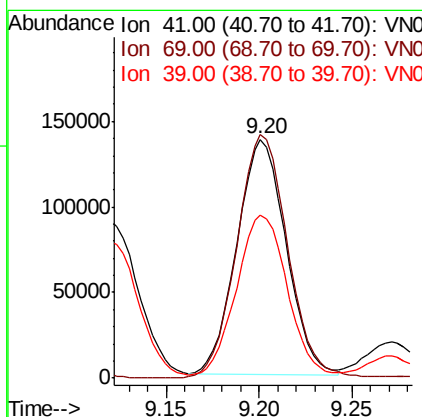
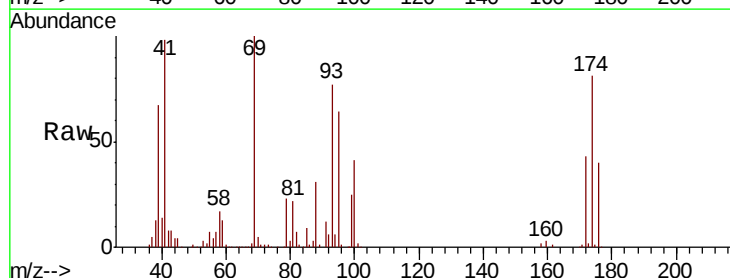
Manual Integrations
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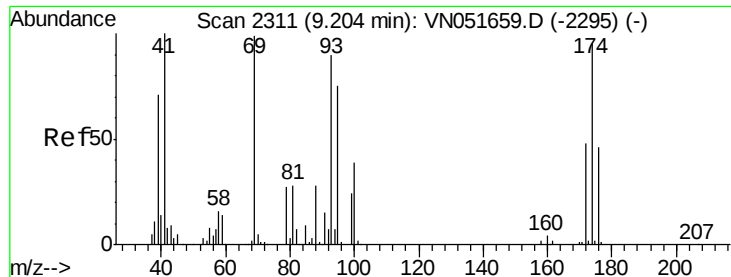
MMDadoda
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#48
Methyl methacrylate
Concen: 47.288 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	252886		
69	107.8	78.6	118.0	
39	72.4	59.2	88.8	





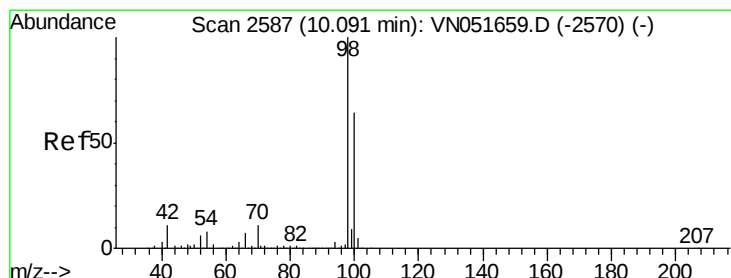
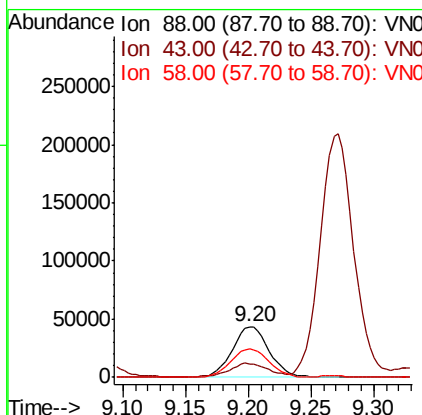
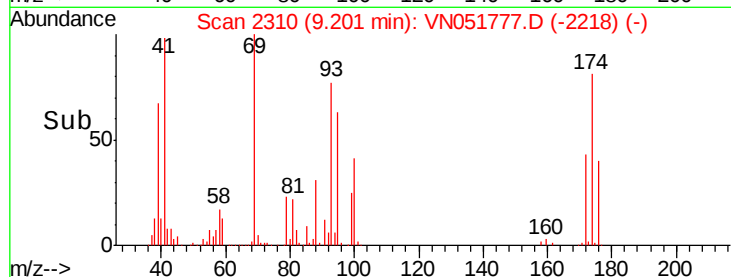
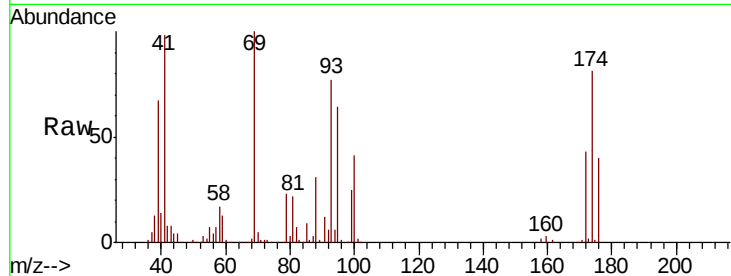
#49
1,4-Dioxane
Concen: 1113.257 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	24.5	36.7
58	58.1	47.6	71.4

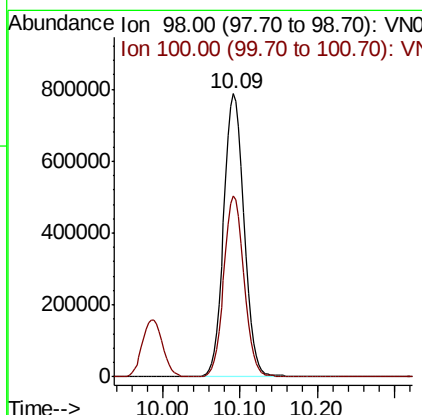
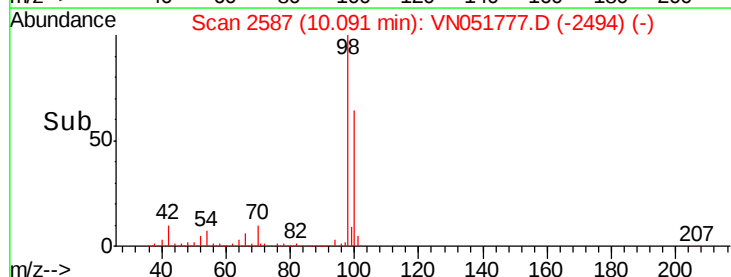
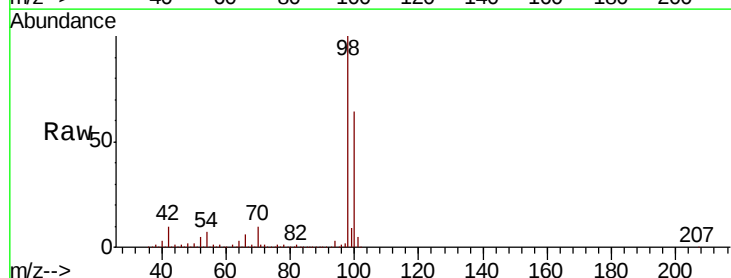
Manual Integrations
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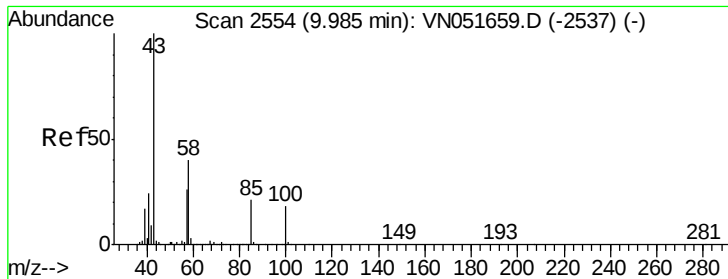
MMDadoda
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#50
Toluene-d8
Concen: 1113.257 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





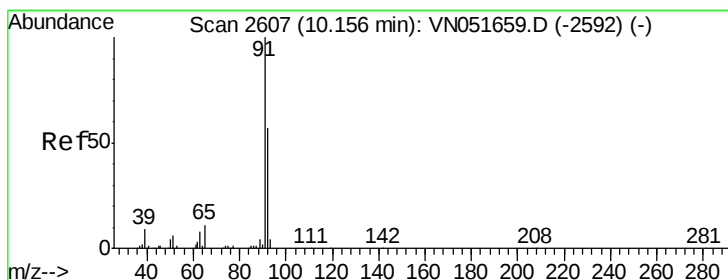
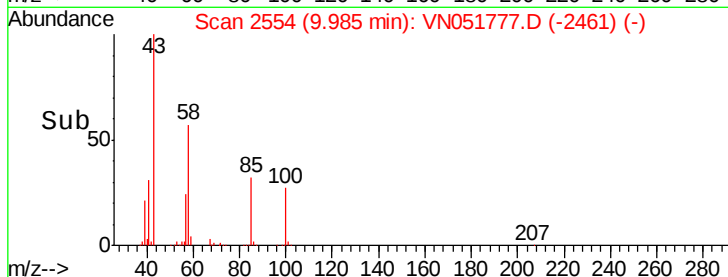
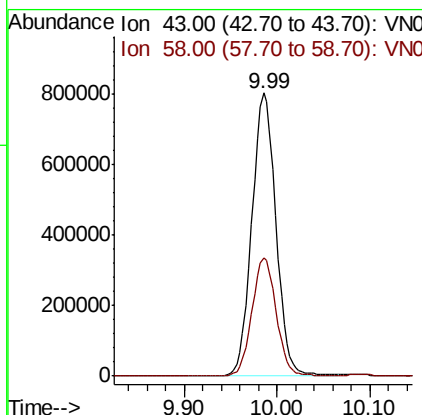
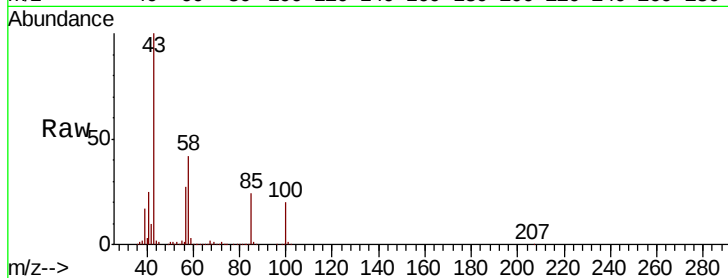
#51
4-Methyl-2-Pentanone
Concen: 243.742 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1445501
Ion Ratio Lower Upper
43 100
58 42.3 32.2 48.2

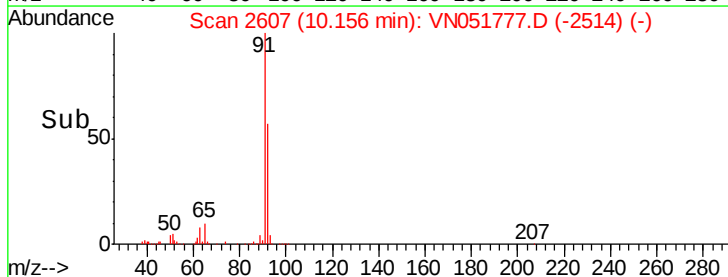
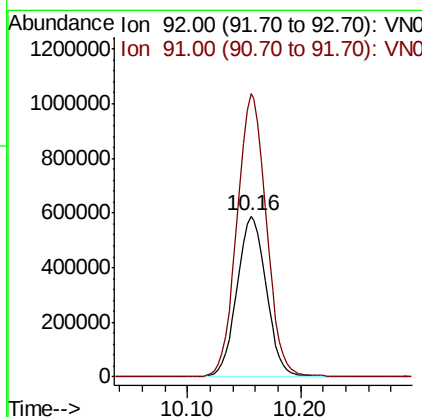
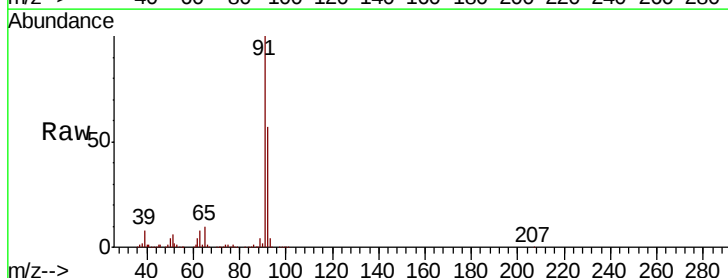
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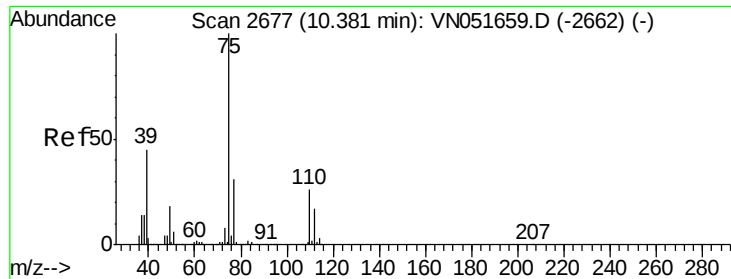
MMDadoda
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#52
Toluene
Concen: 50.259 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 92 Resp: 1066543
Ion Ratio Lower Upper
92 100
91 175.9 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 48.080 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 598841

Ion Ratio Lower Upper

75 100

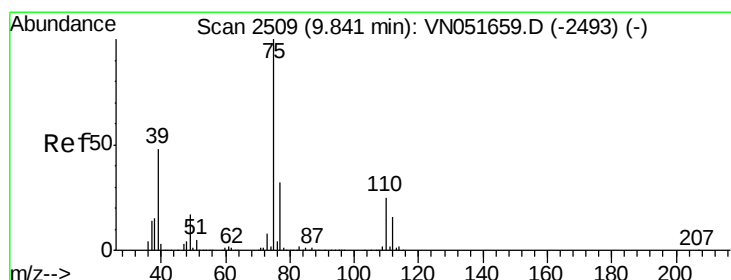
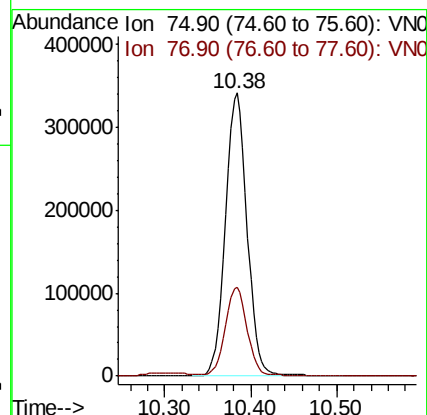
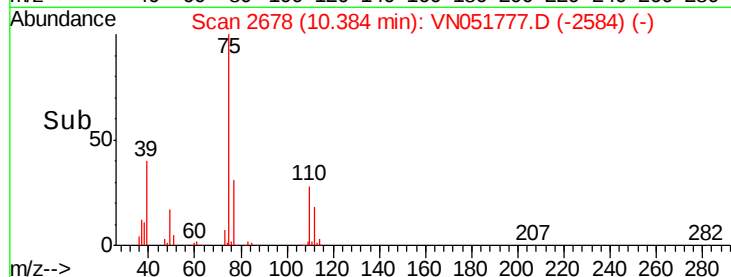
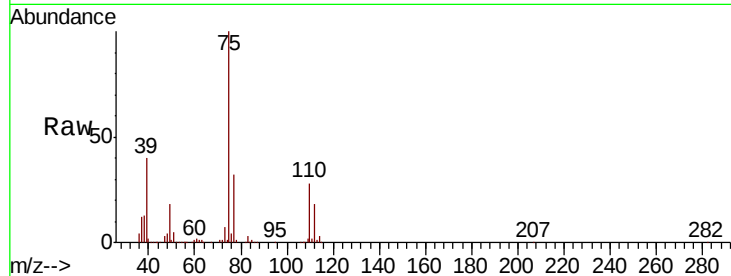
77 31.5 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.359 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

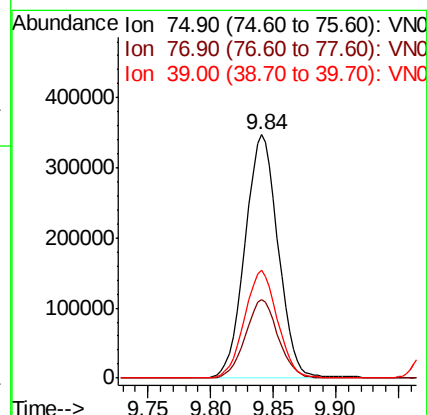
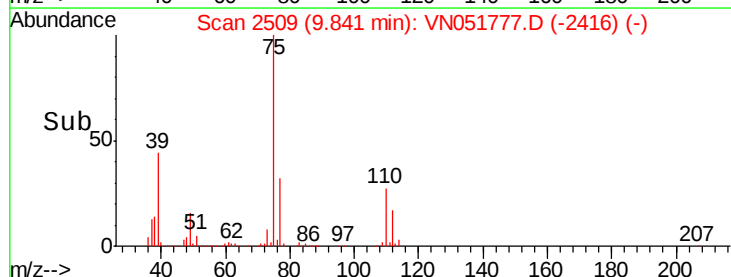
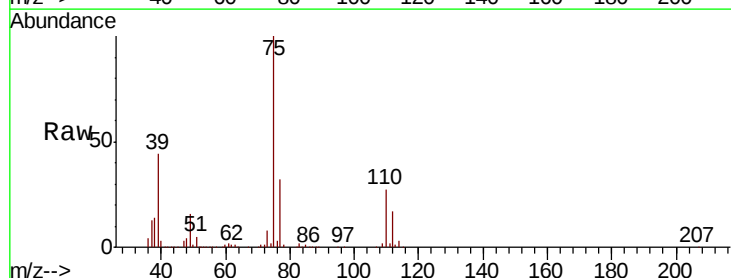
Tgt Ion: 75 Resp: 639598

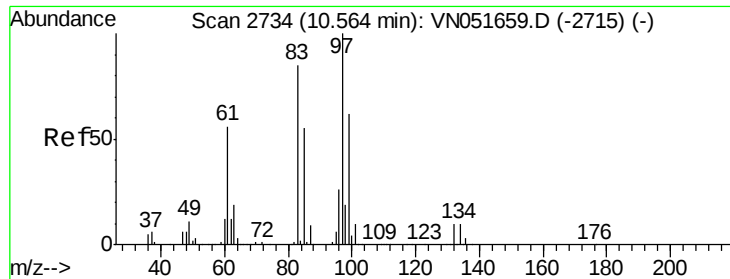
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 44.0 38.1 57.1





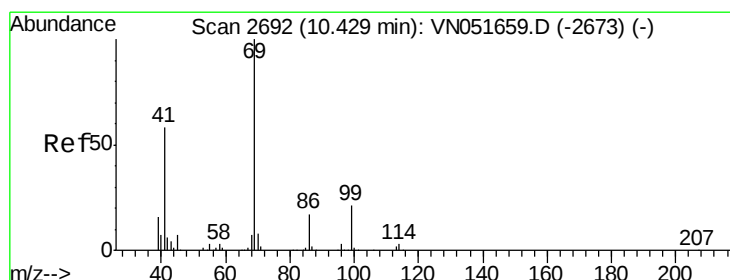
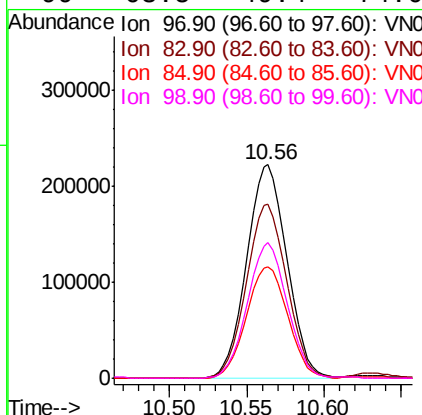
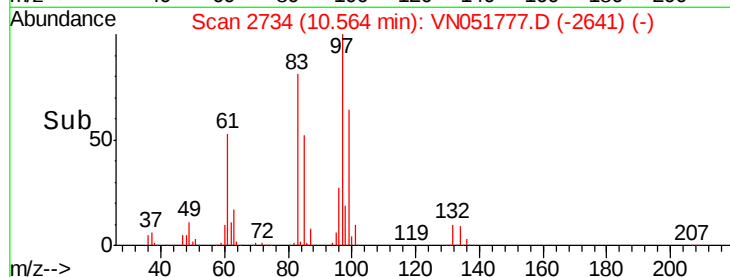
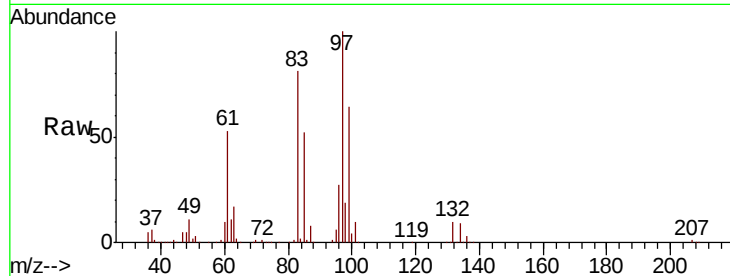
#55
 1,1,2-Trichloroethane
 Concen: 53.399 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.1	102.1
85	52.4	43.6	65.4
99	63.5	49.4	74.0

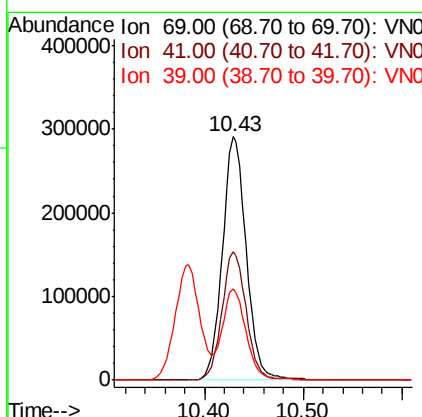
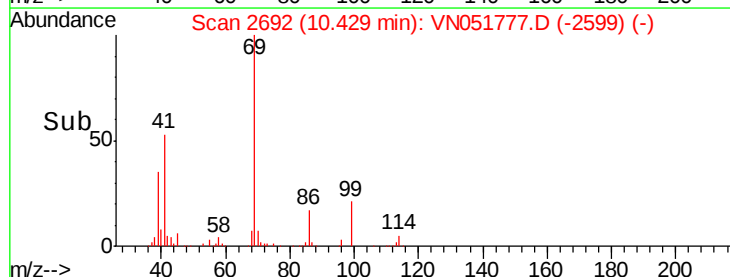
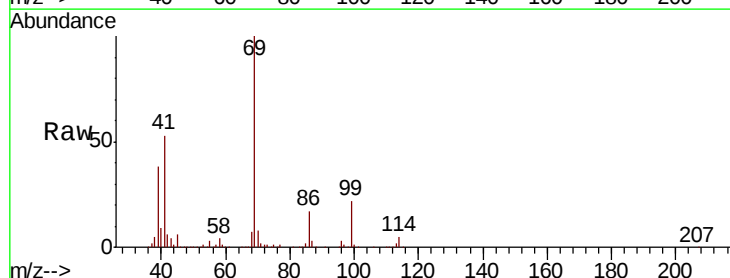
Manual Integrations
 APPROVED

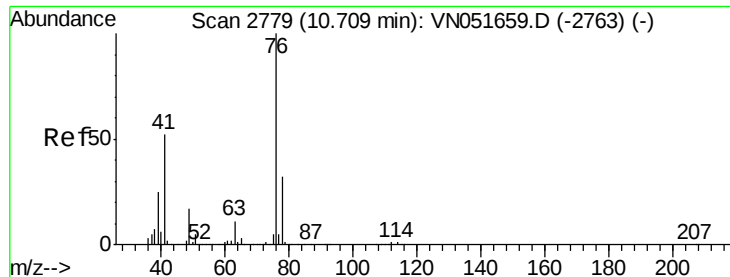
MMDadoda
 10/11/2018 5:51:12 PM



#56
 Ethyl methacrylate
 Concen: 51.514 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.1	46.4	69.6
39	37.4	32.4	48.6





#57

1,3-Dichloropropane

Concen: 51.426 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 615294

Ion Ratio Lower Upper

76 100

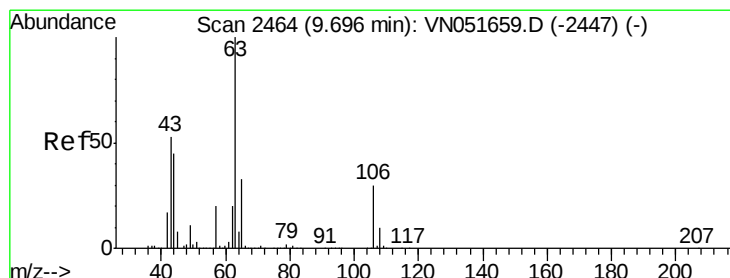
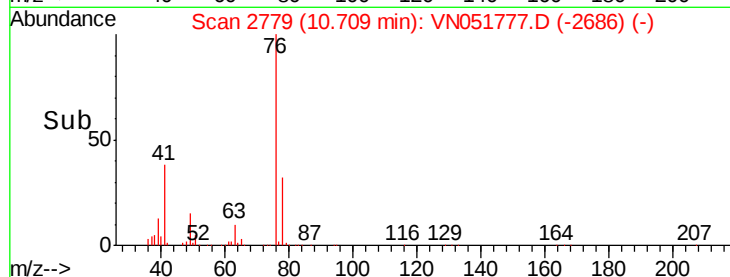
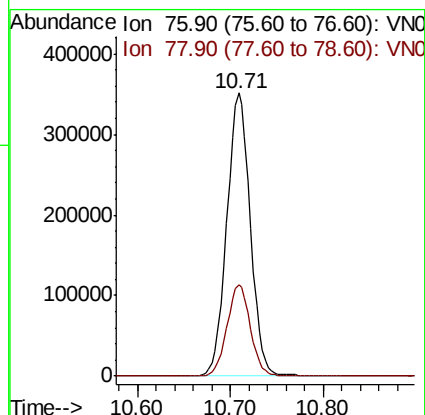
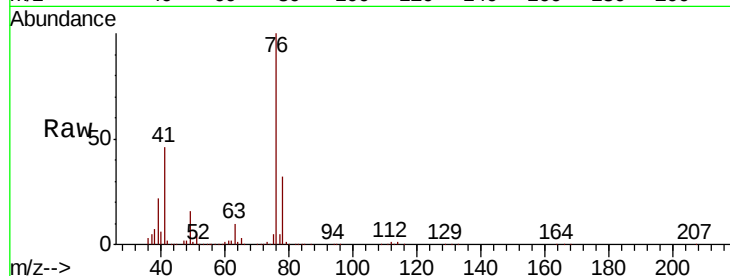
78 32.1 26.0 39.0

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 246.762 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051777.D

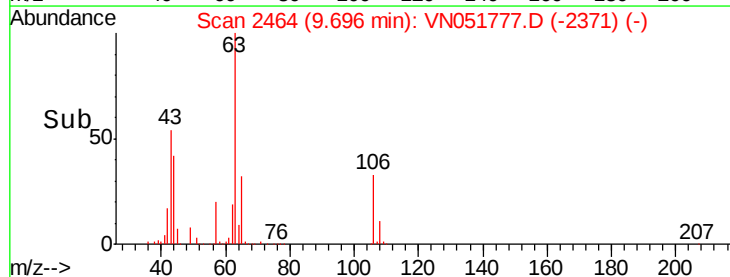
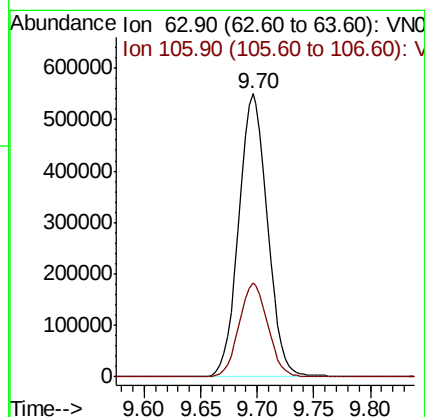
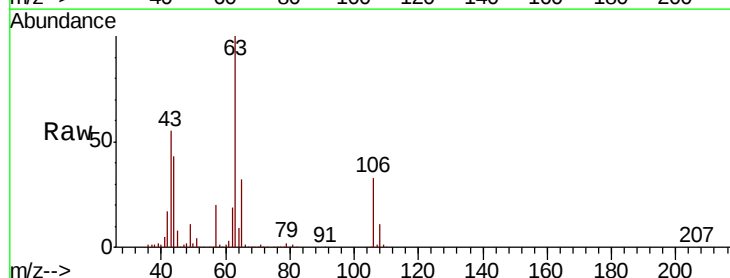
Acq: 10 Oct 2018 9:27

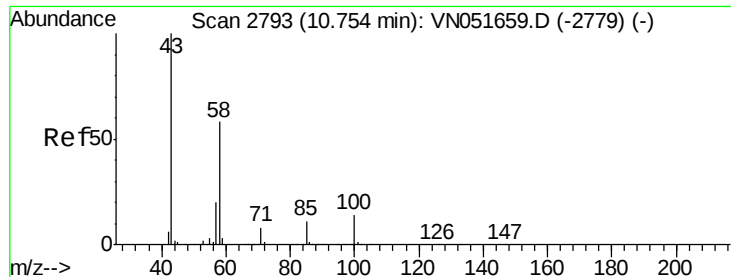
Tgt Ion: 63 Resp: 976327

Ion Ratio Lower Upper

63 100

106 33.2 24.3 36.5





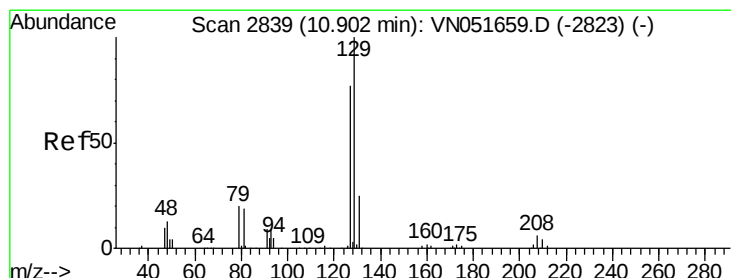
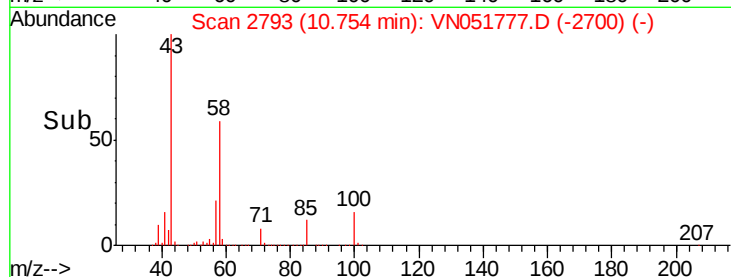
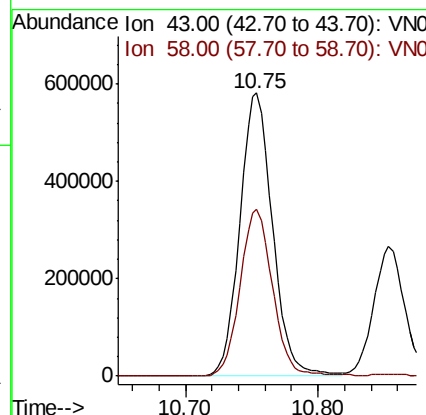
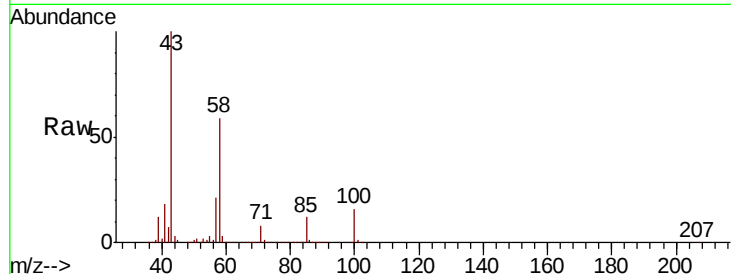
#59
2-Hexanone
Concen: 246.895 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	994384
Ion Ratio	43	100	
Lower	58	59.0	28.8
Upper			86.4

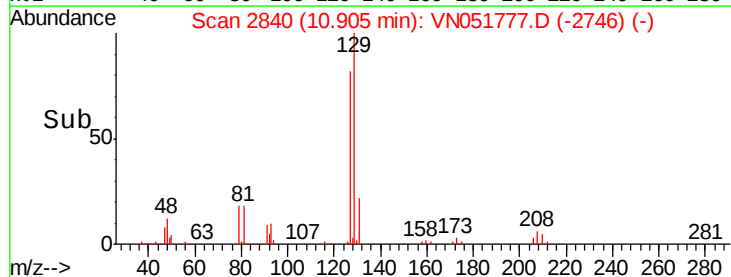
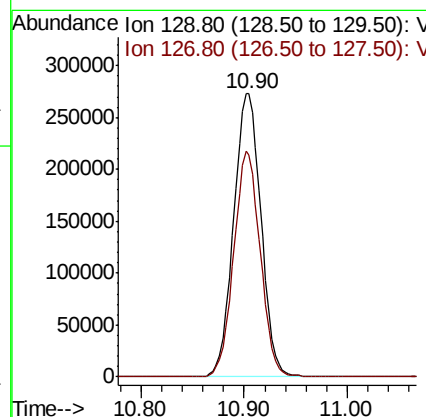
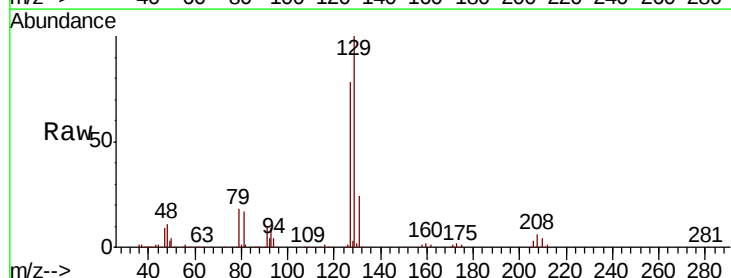
Manual Integrations
APPROVED

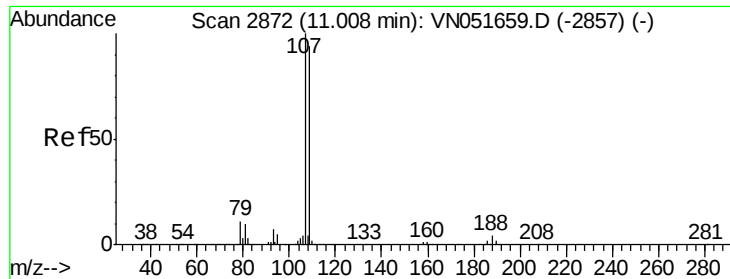
MMDadoda
10/11/2018 5:51:12 PM



#60
Dibromochloromethane
Concen: 51.034 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	129	Resp	504872
Ion Ratio	129	100	
Lower	127	77.2	38.6
Upper			115.7





#61

1,2-Dibromoethane

Concen: 53.223 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 425342

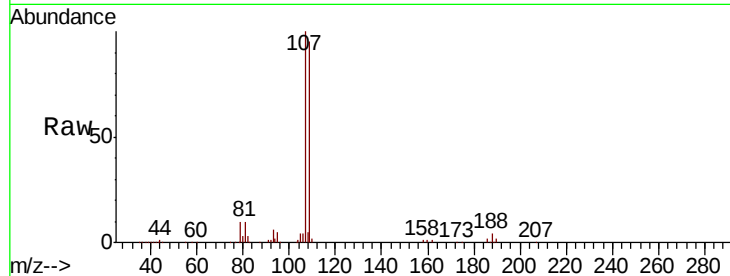
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:12 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

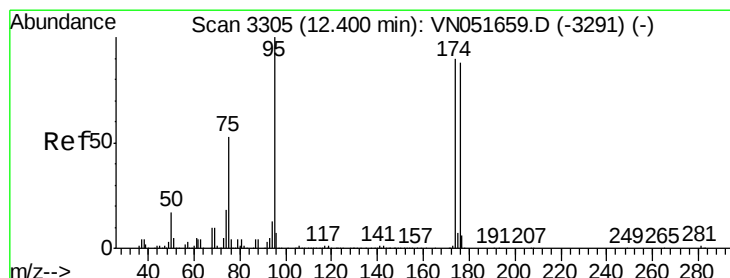
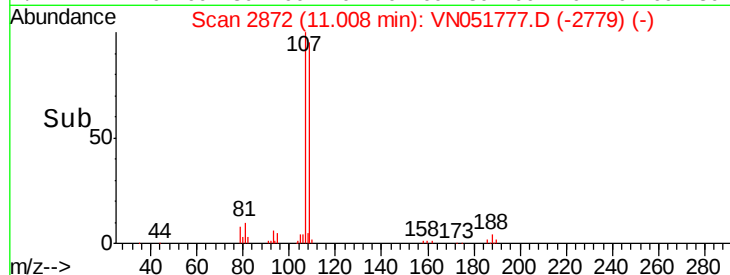
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.223 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

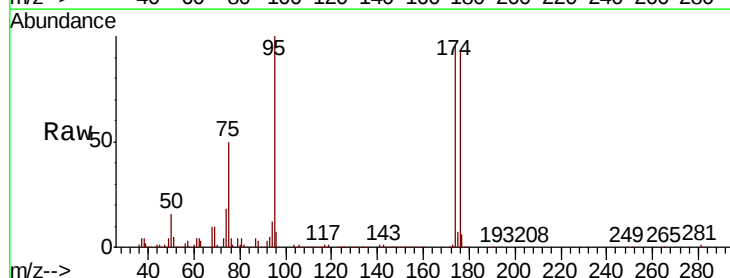
Tgt Ion: 95 Resp: 507021

Ion Ratio Lower Upper

95 100

174 96.9 0.0 182.8

176 94.2 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

12.40

400000

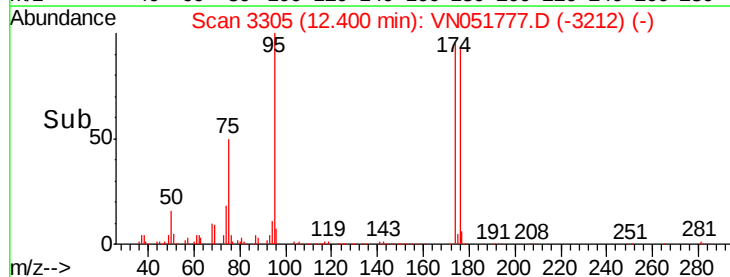
300000

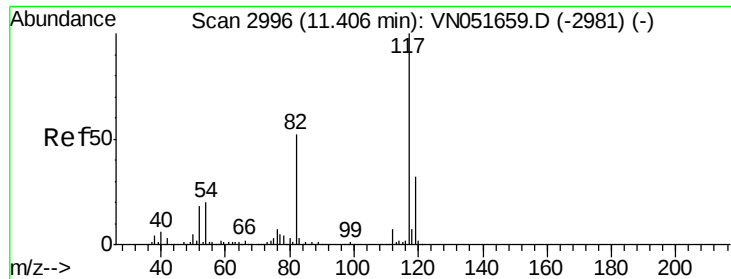
200000

100000

0

Time-->





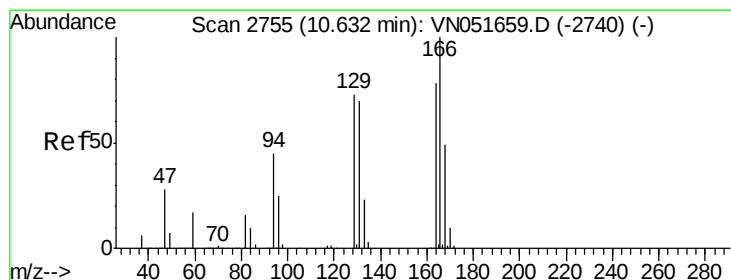
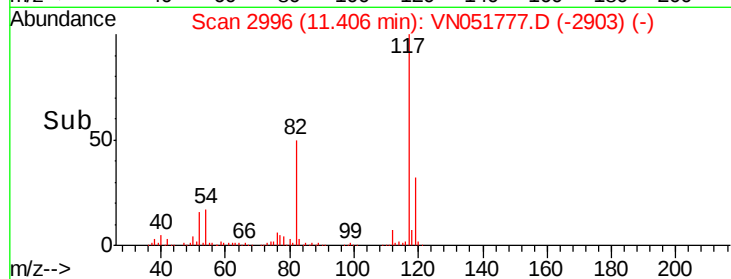
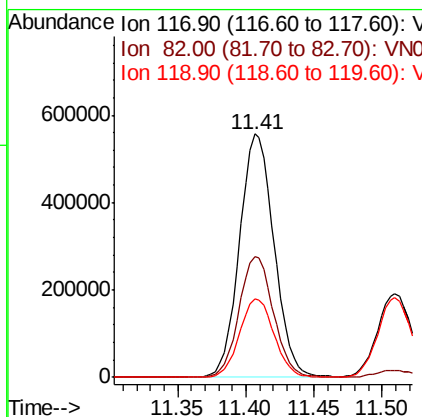
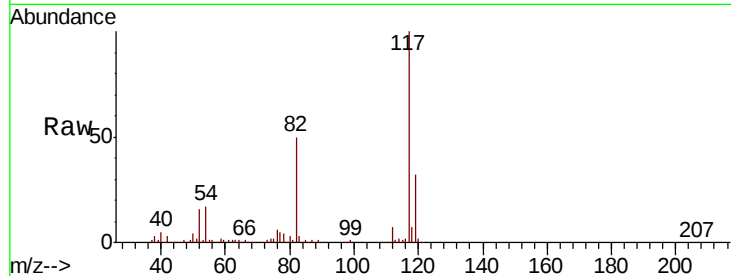
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	980326		
82	49.8		41.3	61.9
119	32.2		25.9	38.9

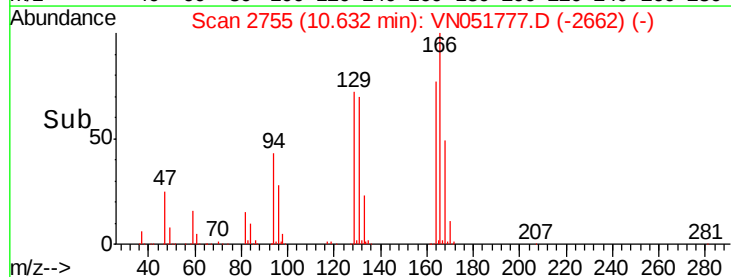
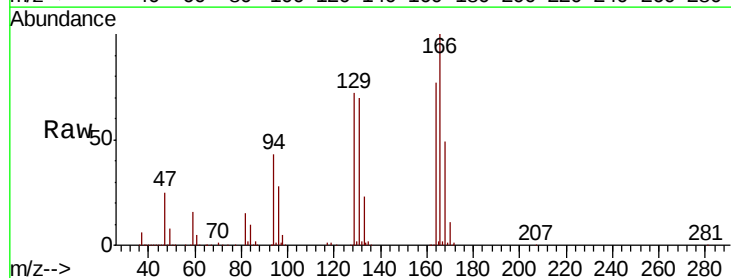
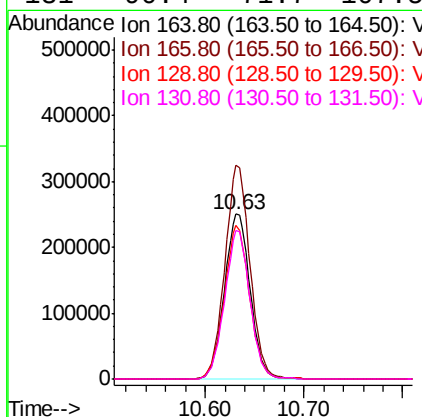
Manual Integrations
APPROVED

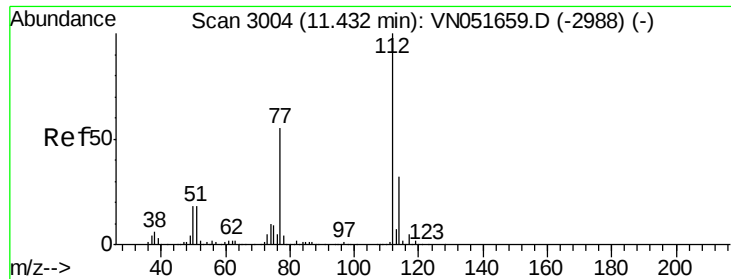
MMDadoda
10/11/2018 5:51:12 PM



#64
Tetrachloroethene
Concen: 52.775 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	456442		
166	129.6		103.0	154.6
129	93.1		75.2	112.8
131	90.4		71.7	107.5





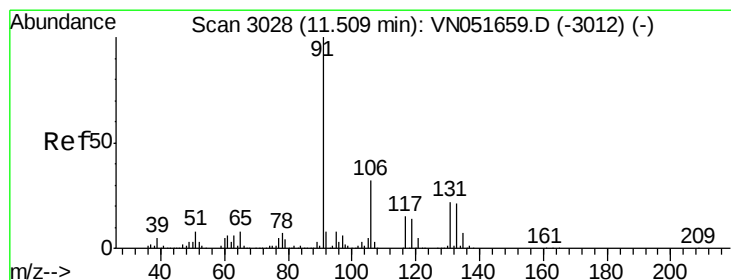
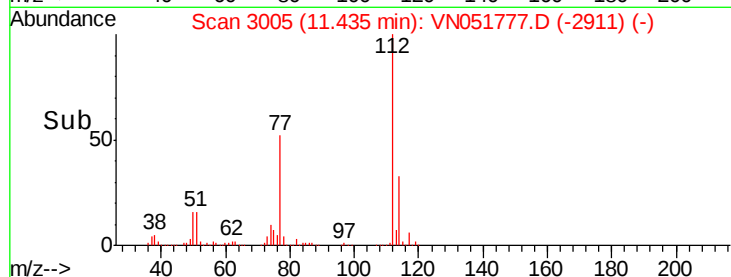
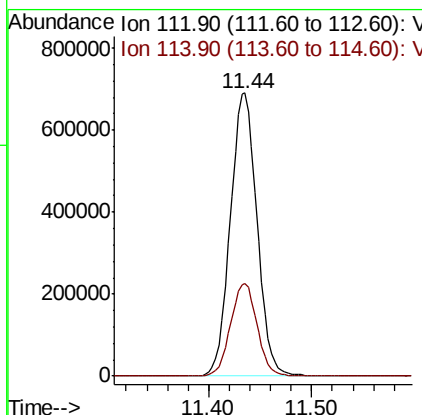
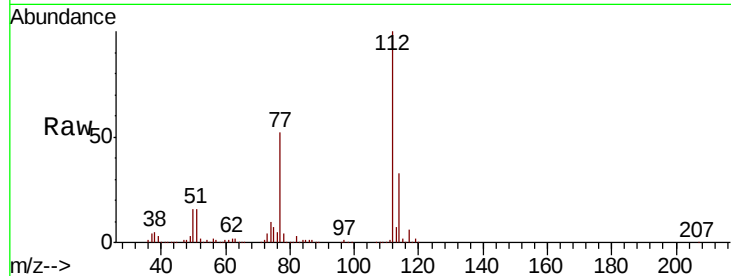
#65
Chlorobenzene
Concen: 51.208 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1243309
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9

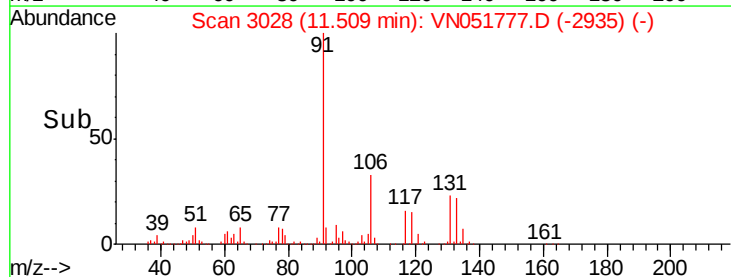
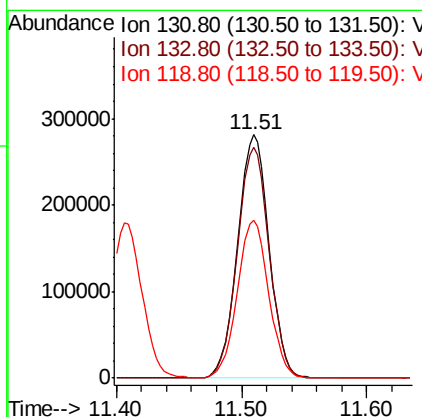
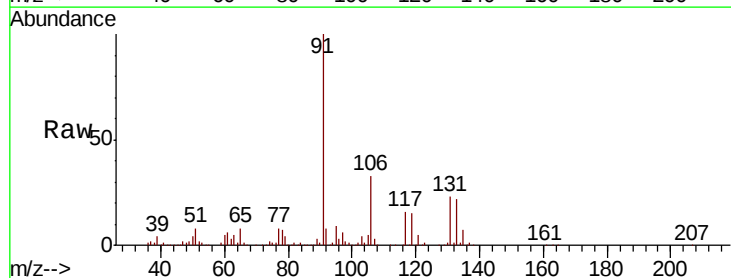
Manual Integrations
APPROVED

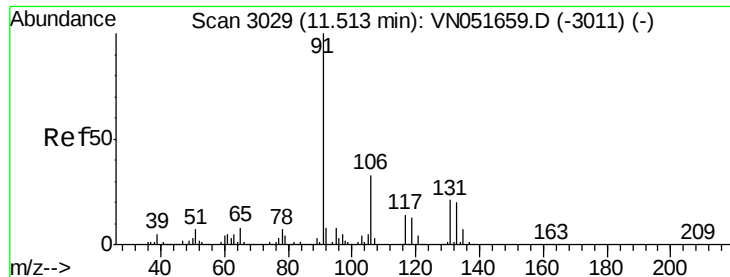
MMDadoda
10/11/2018 5:51:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.347 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:131 Resp: 489452
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.8
119 64.7 32.0 96.0





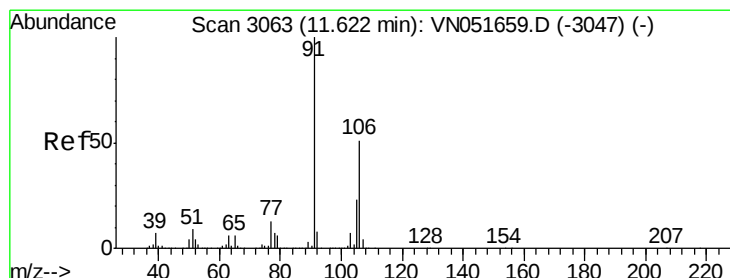
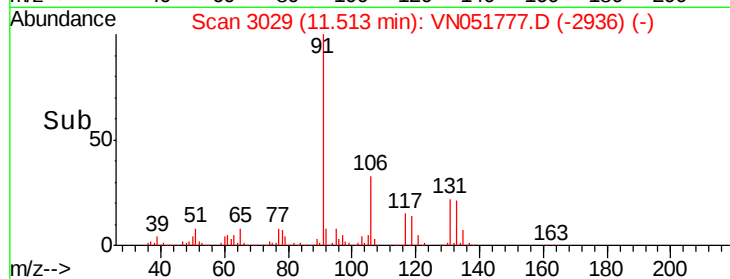
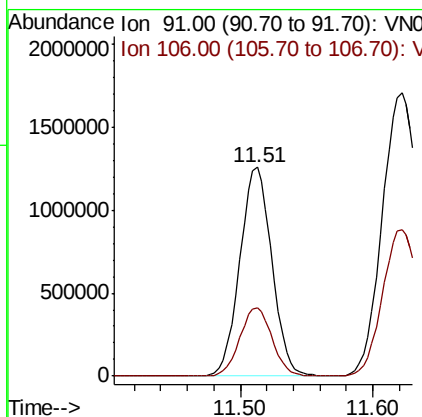
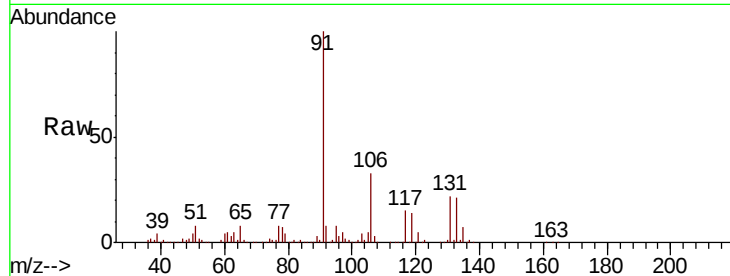
#67
Ethyl Benzene
Concen: 50.188 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2106175
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

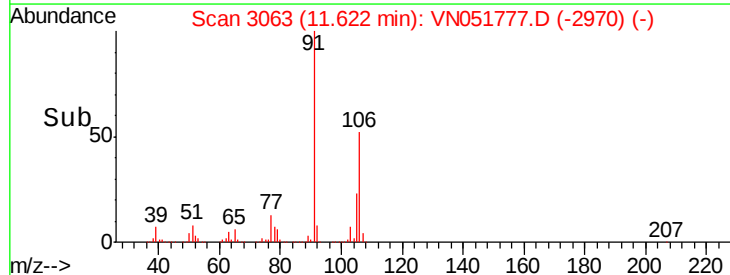
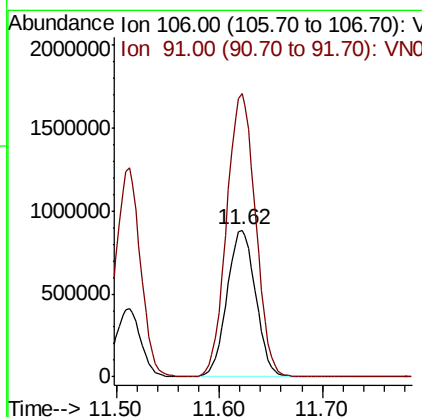
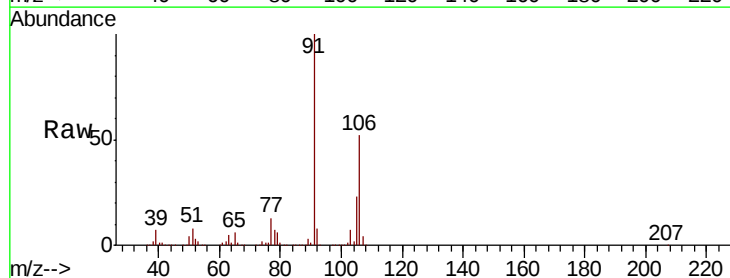
Manual Integrations
APPROVED

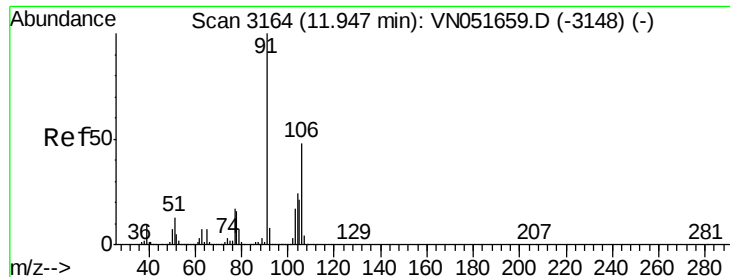
MMDadoda
10/11/2018 5:51:12 PM



#68
m/p-Xylenes
Concen: 101.841 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 106 Resp: 1710034
Ion Ratio Lower Upper
106 100
91 194.5 158.4 237.6





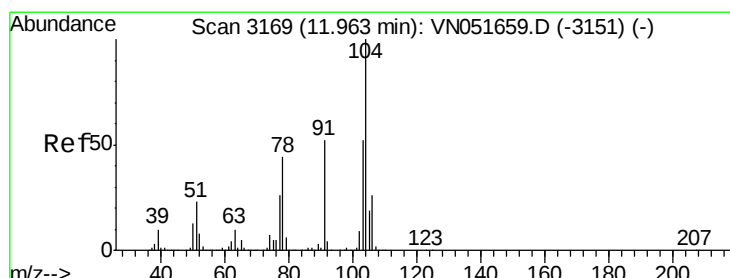
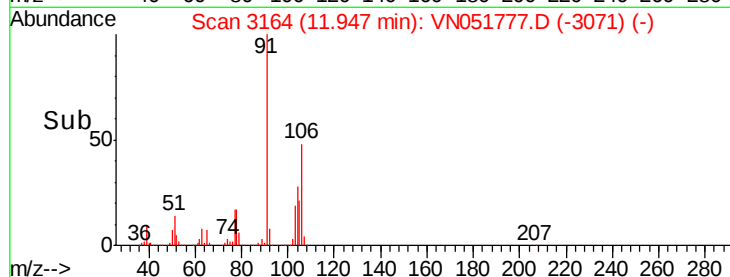
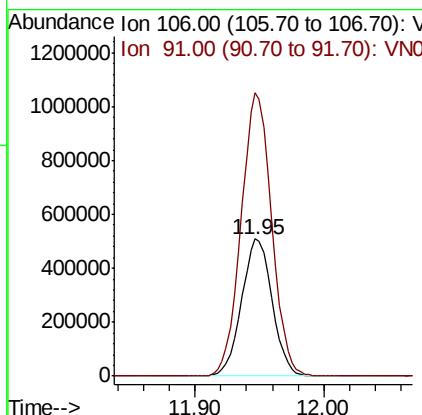
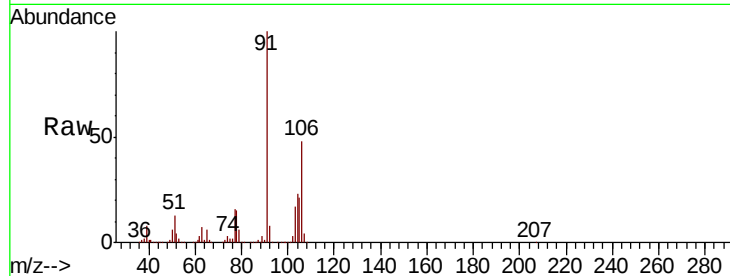
#69
o-Xylene
Concen: 50.868 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 837648
Ion Ratio Lower Upper
106 100
91 206.2 104.4 313.2

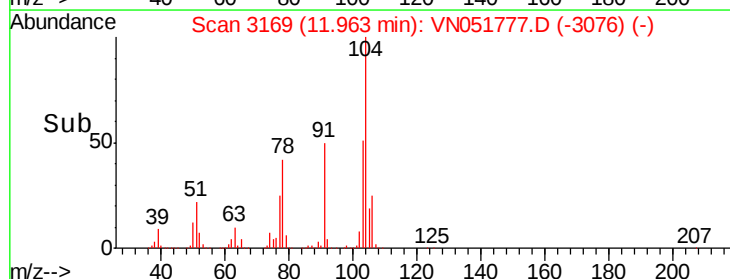
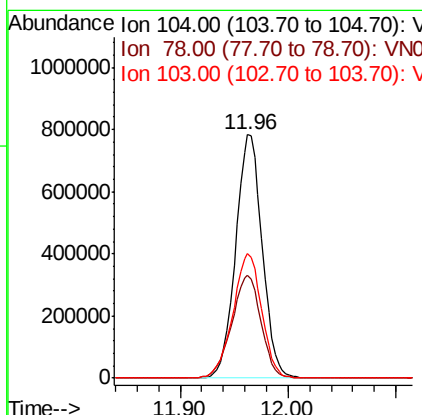
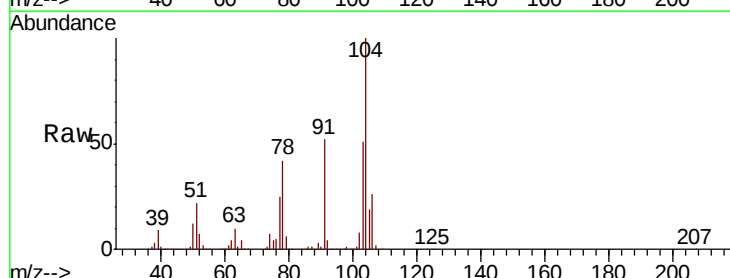
Manual Integrations
APPROVED

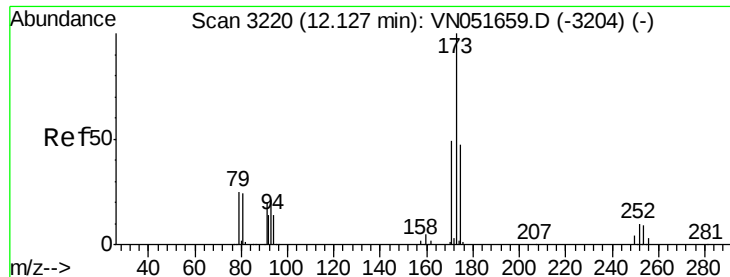
MMDadoda
10/11/2018 5:51:12 PM



#70
Styrene
Concen: 51.170 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:104 Resp: 1342686
Ion Ratio Lower Upper
104 100
78 46.6 39.3 58.9
103 55.4 45.0 67.6





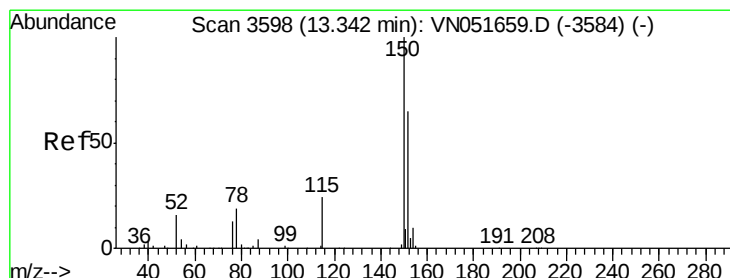
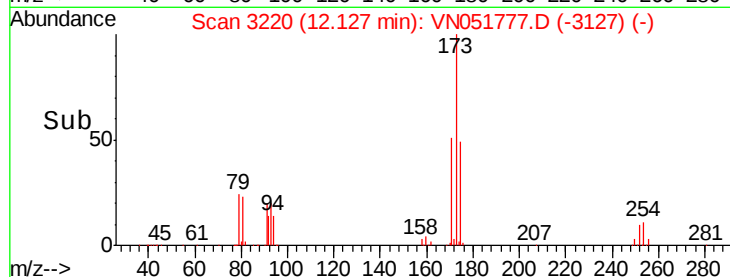
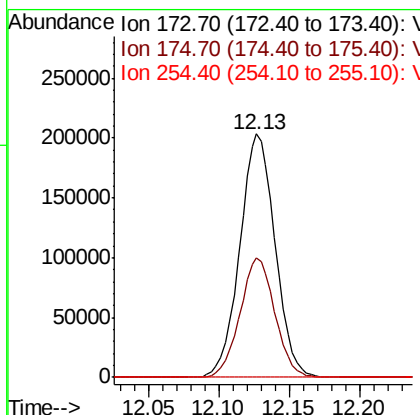
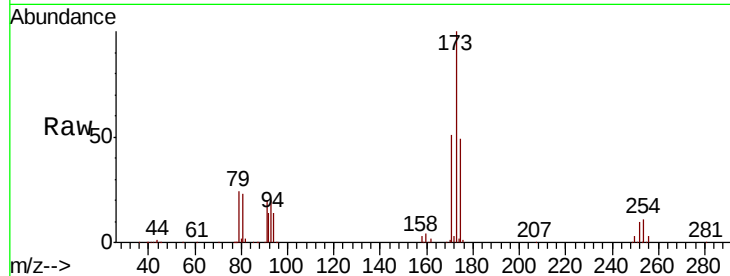
#71
Bromoform
Concen: 49.182 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.1	0.1	0.1

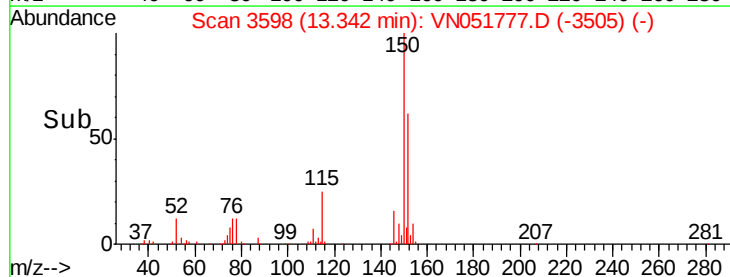
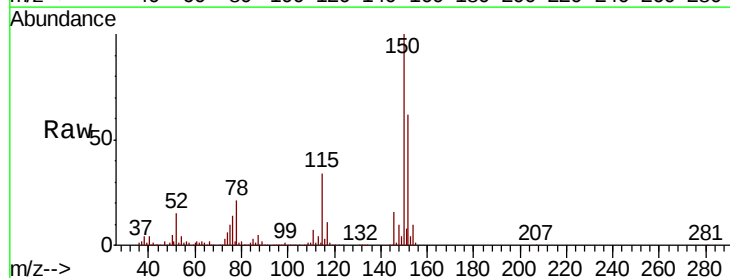
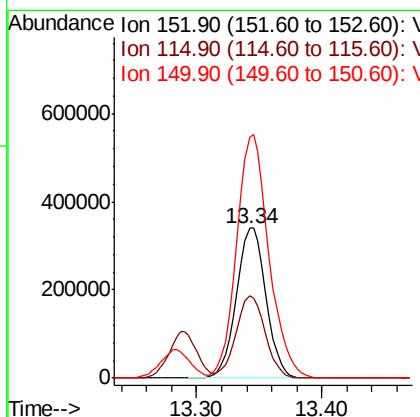
Manual Integrations
APPROVED

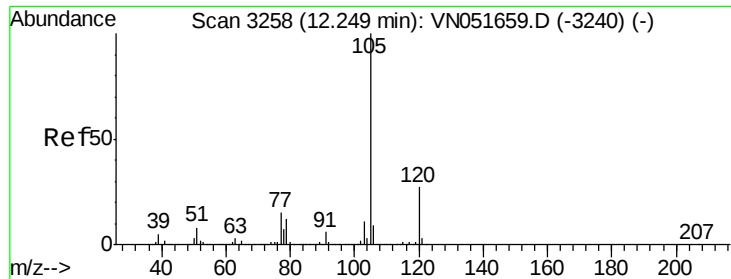
MMDadoda
10/11/2018 5:51:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.6	85.8
150	176.7	0.0	352.4





#73

Isopropylbenzene

Concen: 47.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 2268002

Ion Ratio Lower Upper

105 100

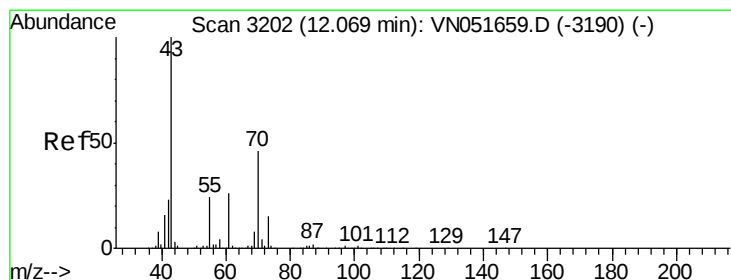
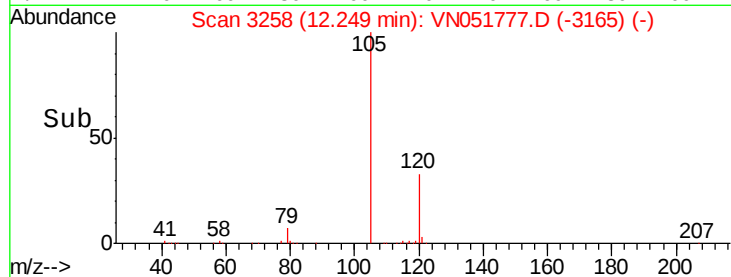
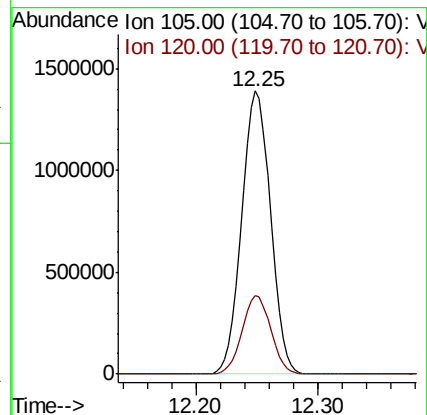
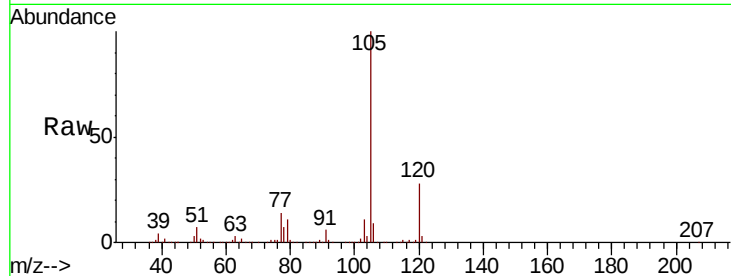
120 27.6 13.9 41.6

Manual Integrations

APPROVED

MMDadoda

10/11/2018 5:51:12 PM



#74

N-ethyl acetate

Concen: 47.180 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion: 43 Resp: 464072

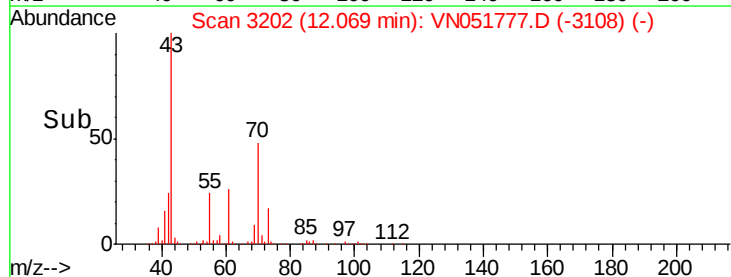
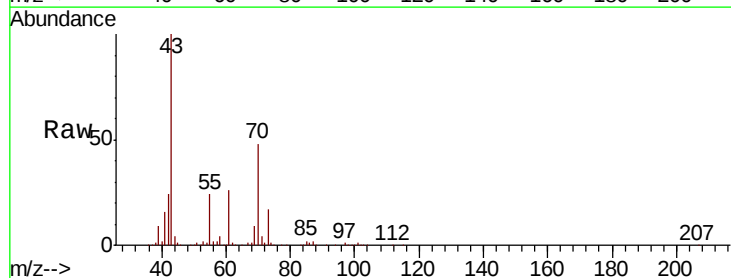
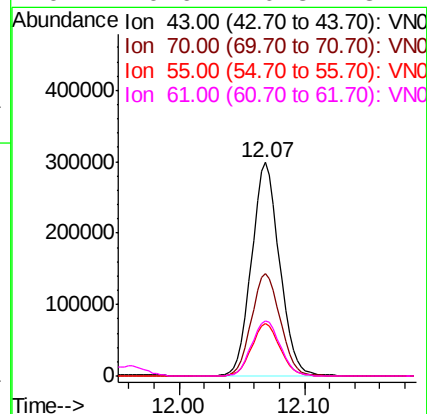
Ion Ratio Lower Upper

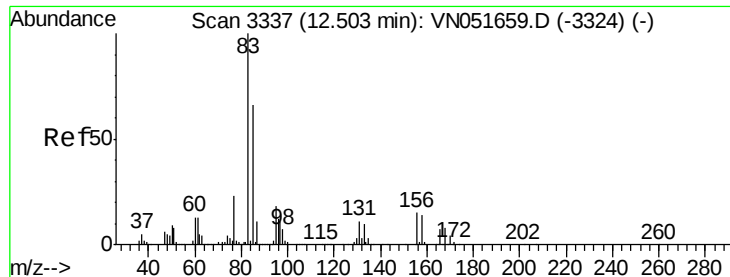
43 100

70 49.5 37.1 55.7

55 25.0 19.1 28.7

61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.715 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 491068
Ion Ratio Lower Upper

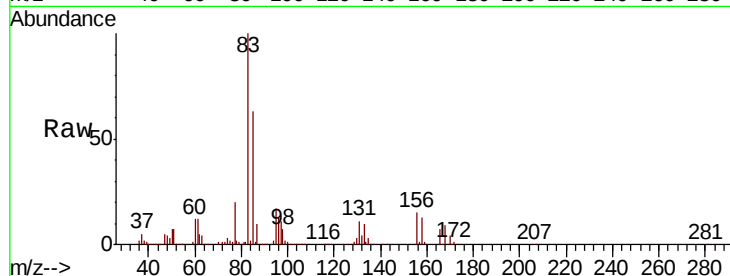
83 100

131 11.9 5.7 17.1

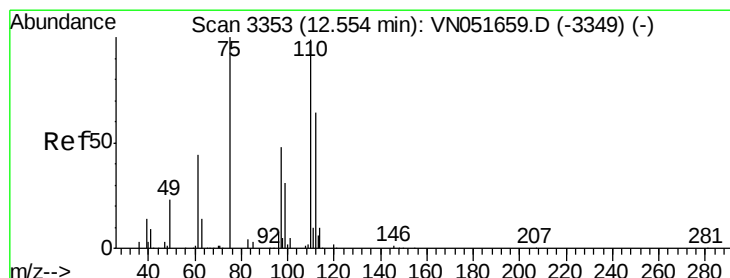
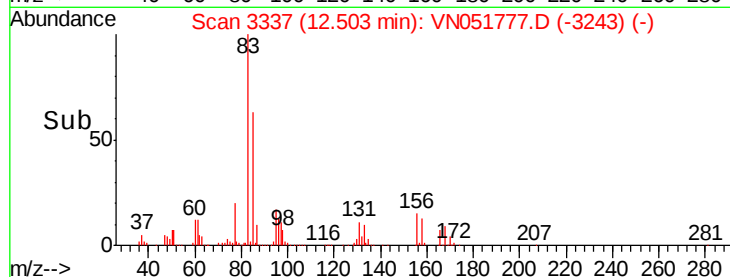
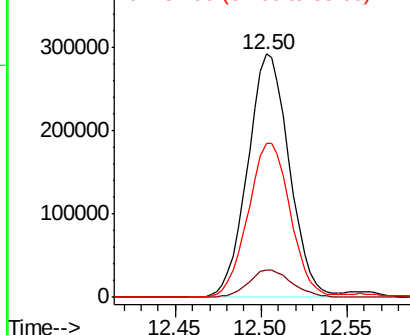
85 64.6 33.0 98.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 57.336 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

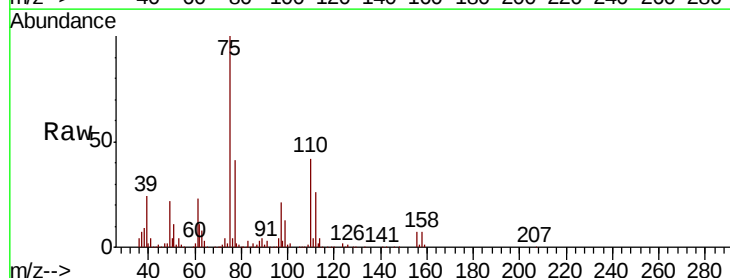
Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

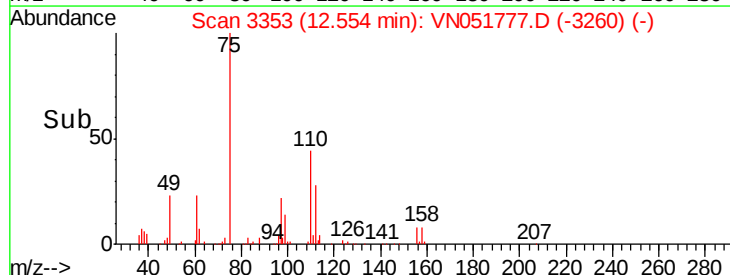
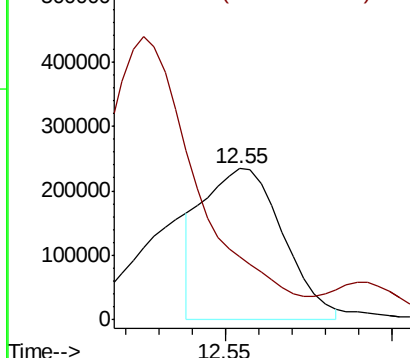
Tgt Ion: 75 Resp: 392028
Ion Ratio Lower Upper

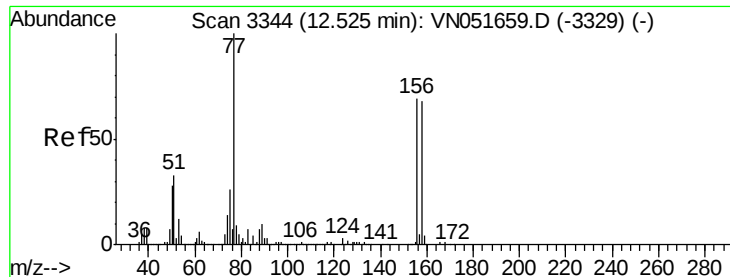
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.433 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

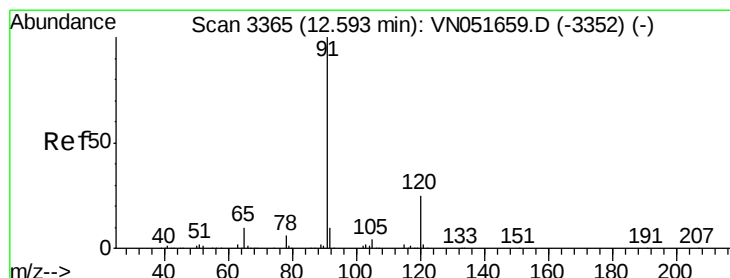
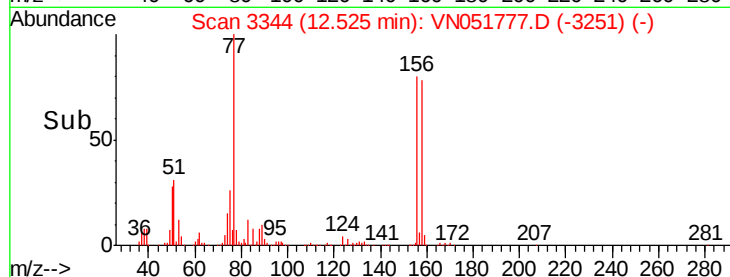
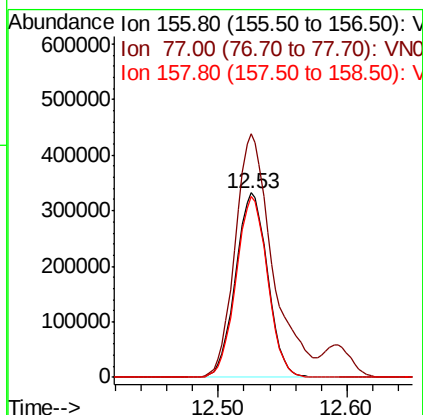
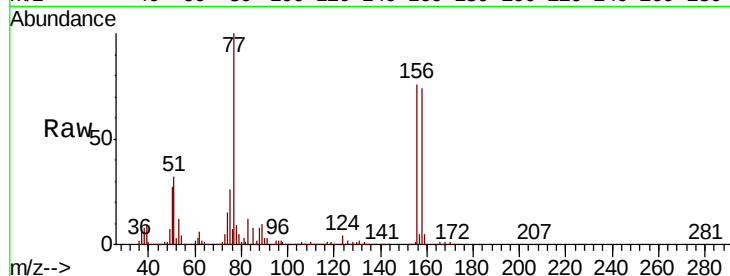
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	572985
Ion Ratio	Lower	Upper	
156	100		
77	155.2	83.2	249.4
158	96.4	49.0	147.2

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#78

n-propylbenzene

Concen: 47.614 ug/l

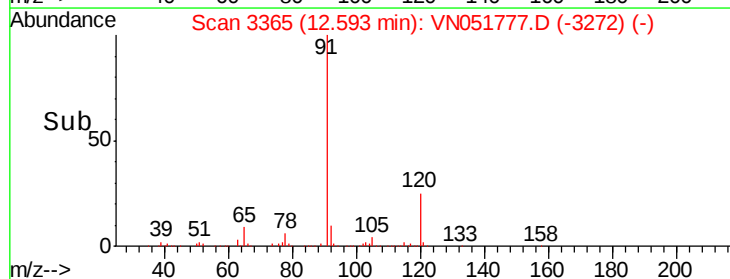
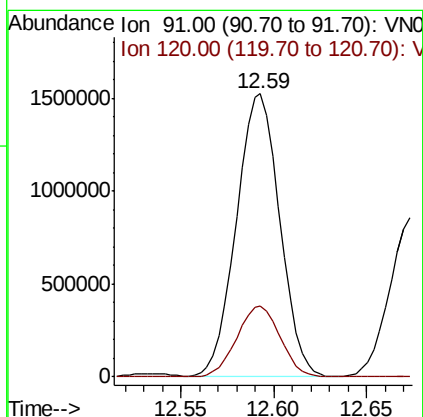
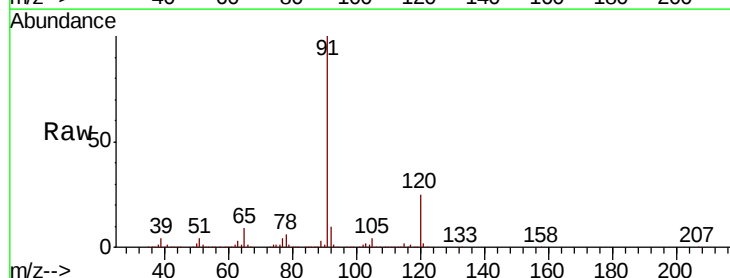
RT: 12.59 min Scan# 3365

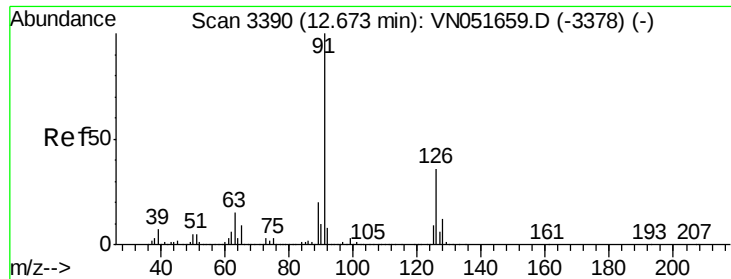
Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:	91	Resp:	2461956
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.4	37.2





#79

2-Chlorotoluene

Concen: 47.513 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1447867

Ion Ratio Lower Upper

91 100

126 37.8

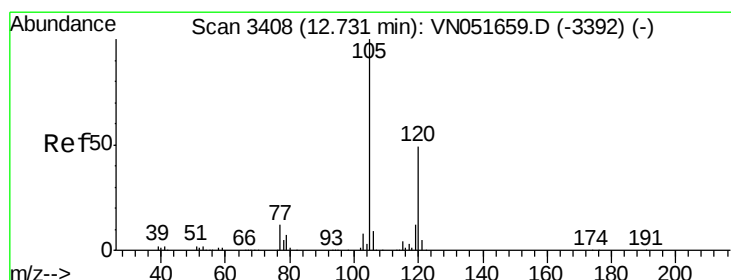
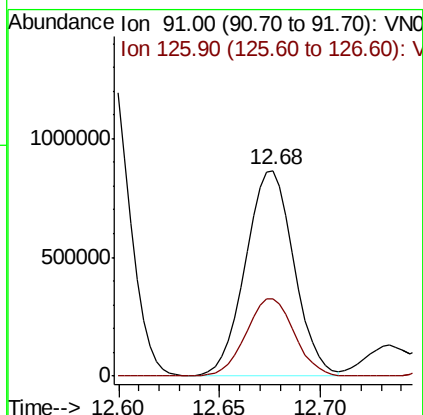
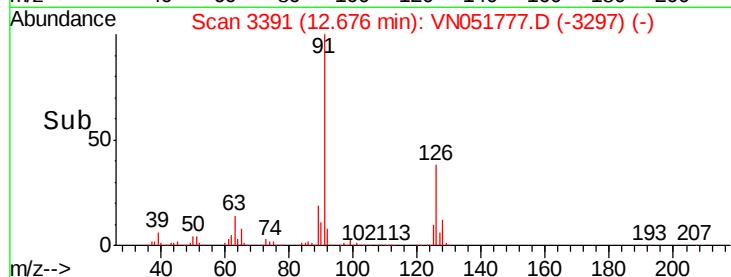
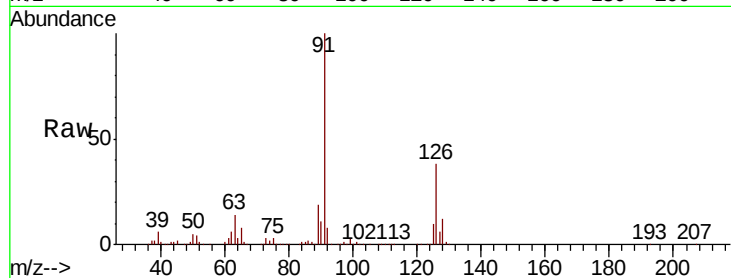
18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 47.659 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

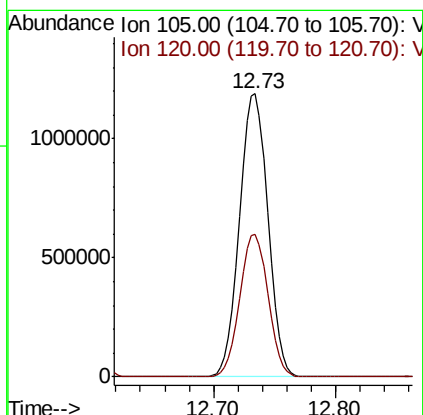
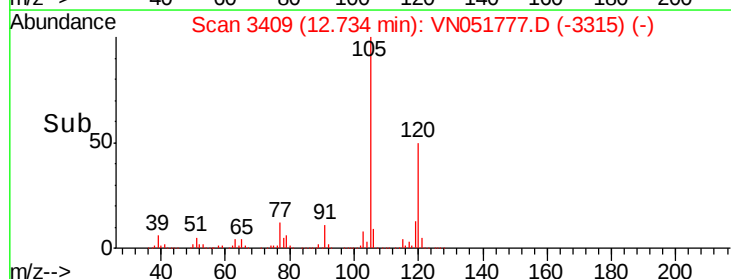
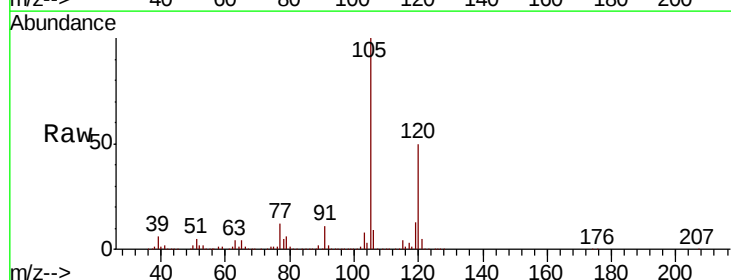
Tgt Ion: 105 Resp: 1903983

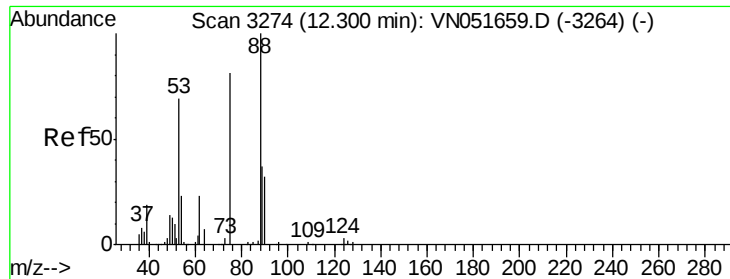
Ion Ratio Lower Upper

105 100

120 50.1

24.6 74.0





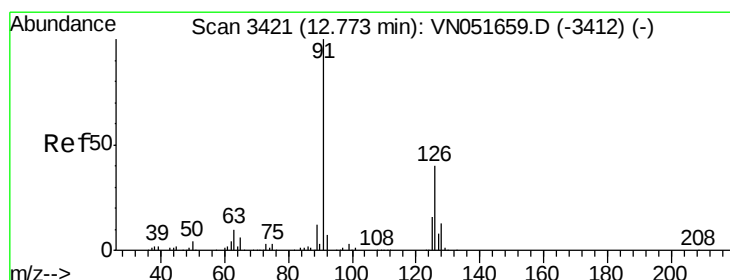
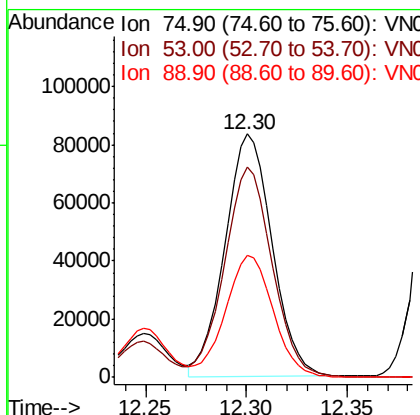
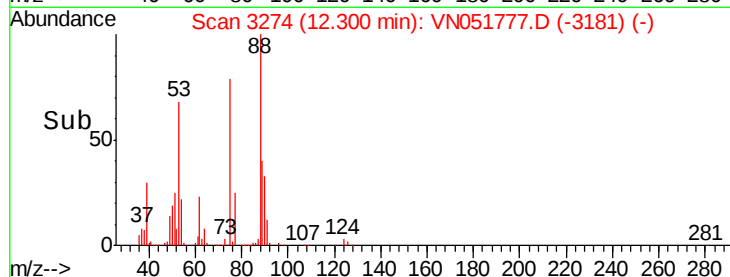
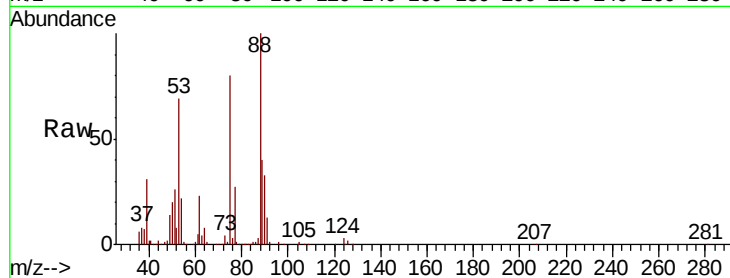
#81
trans-1,4-Dichloro-2-butene
Concen: 45.192 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	68.6	102.8
89	51.2	39.4	59.2

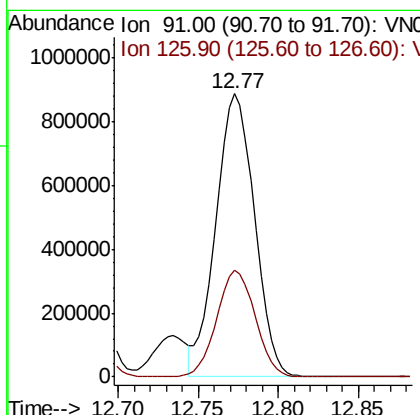
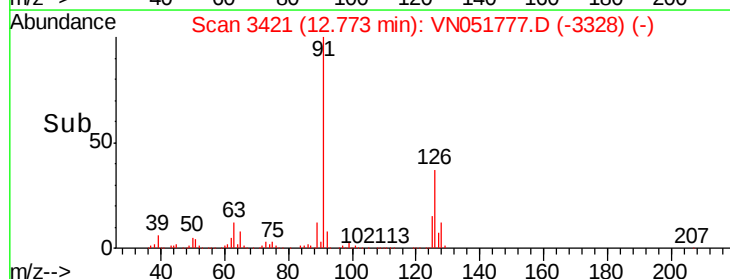
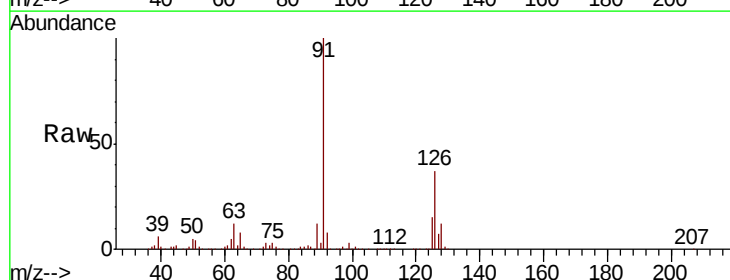
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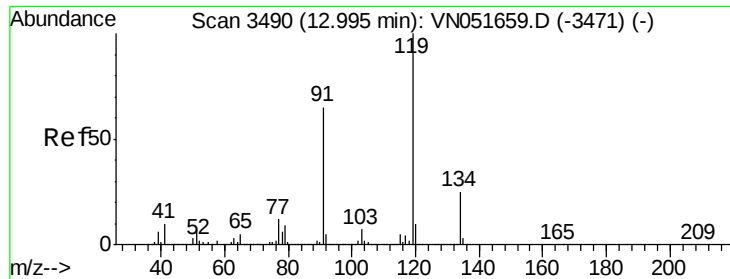
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#82
4-Chlorotoluene
Concen: 47.948 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.0	54.0





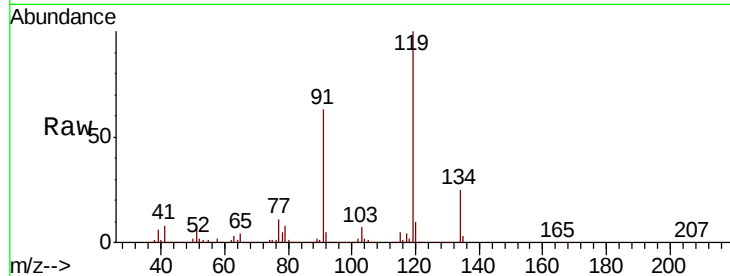
#83
tert-Butylbenzene
Concen: 48.102 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

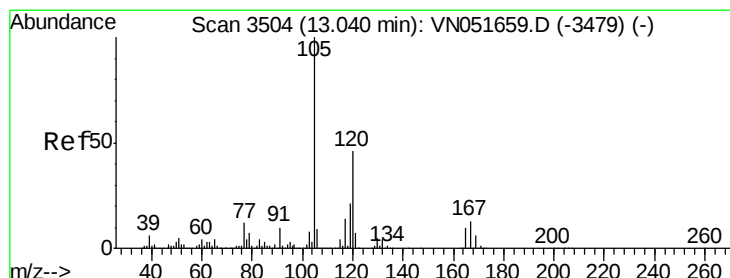
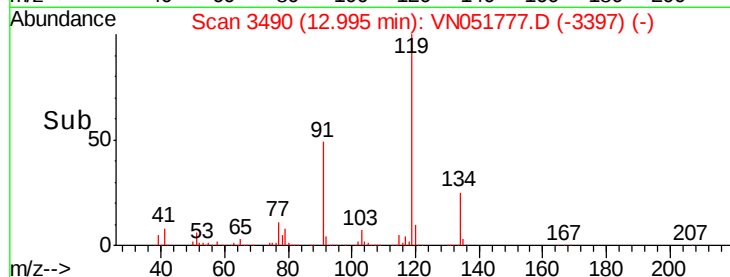
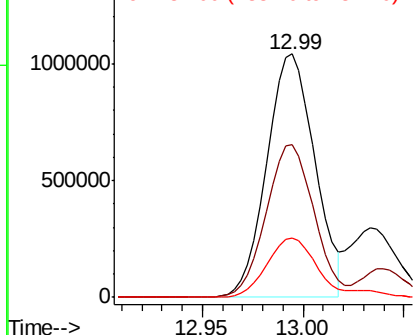
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.1	96.5
134	26.9	13.3	39.9

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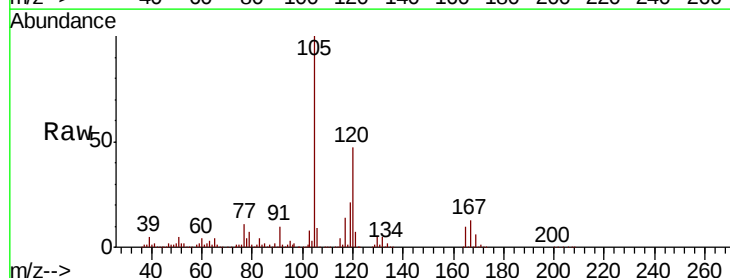


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

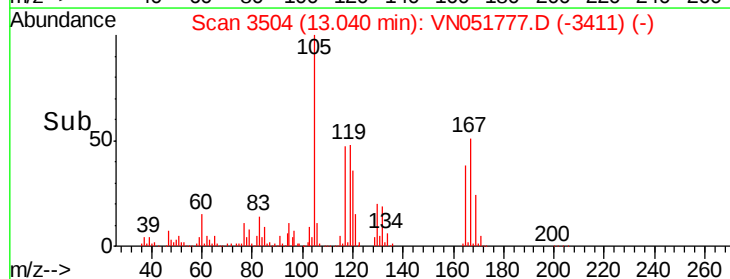
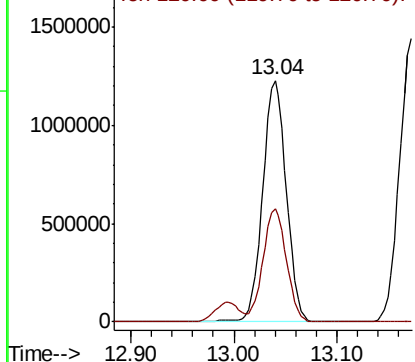


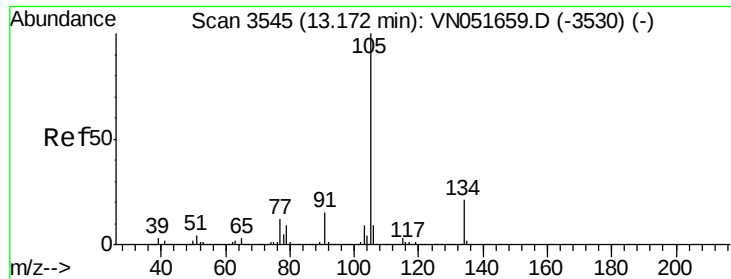
#84
1,2,4-Trimethylbenzene
Concen: 48.480 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.7



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





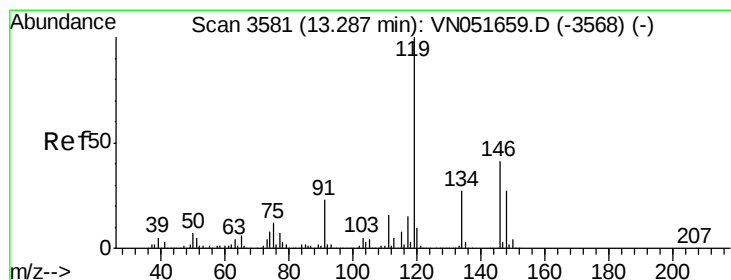
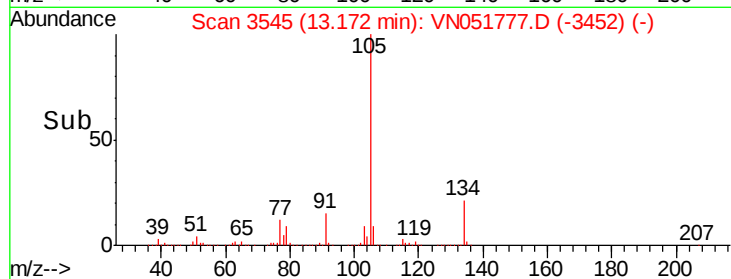
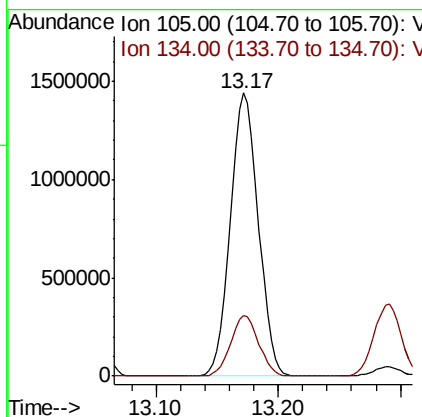
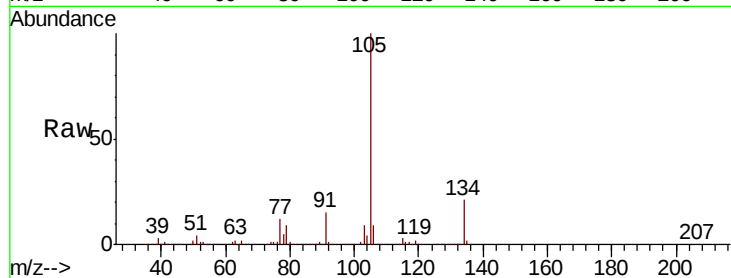
#85
 sec-Butylbenzene
 Concen: 48.423 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2292949
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.6

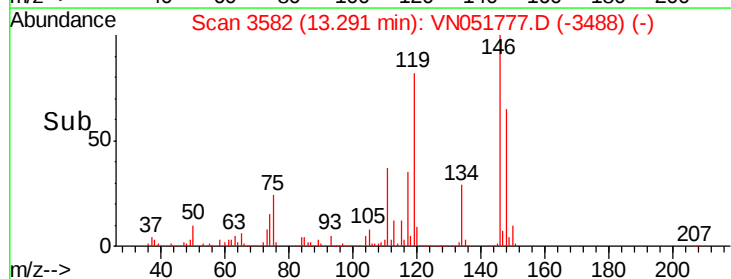
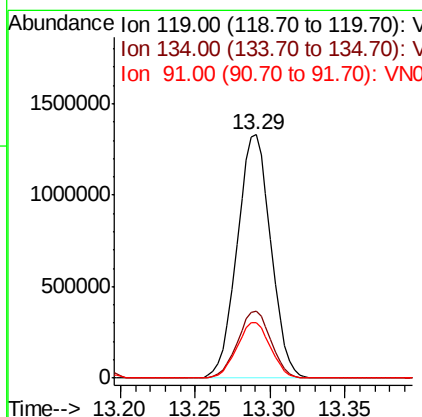
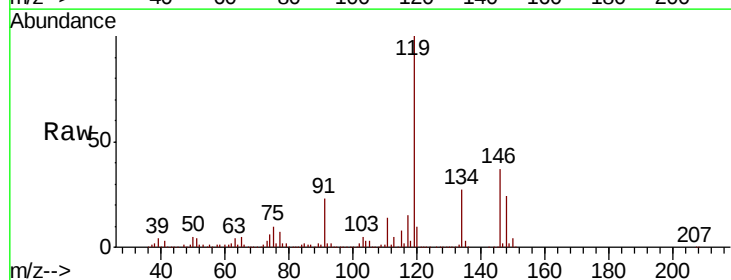
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#86
 p-Isopropyltoluene
 Concen: 49.586 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion:119 Resp: 2081532
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.2
 91 22.7 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 51.520 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051777.D

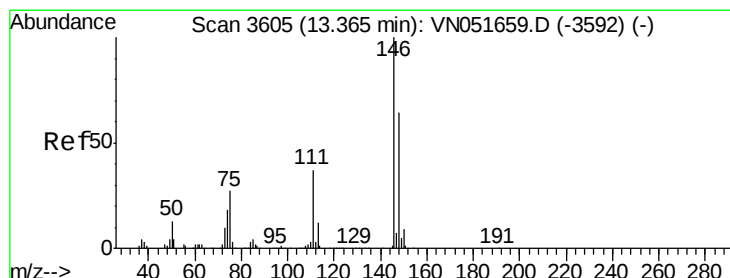
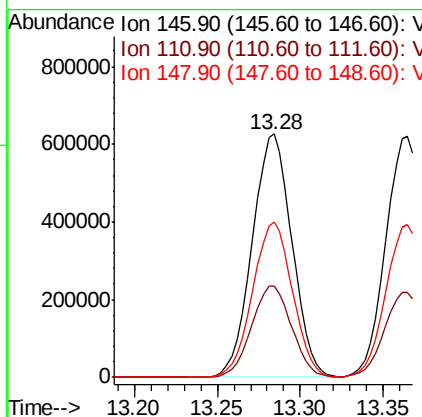
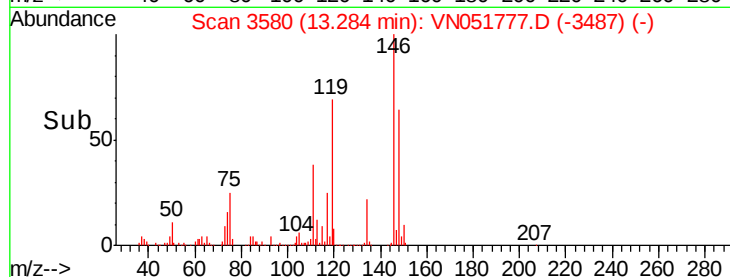
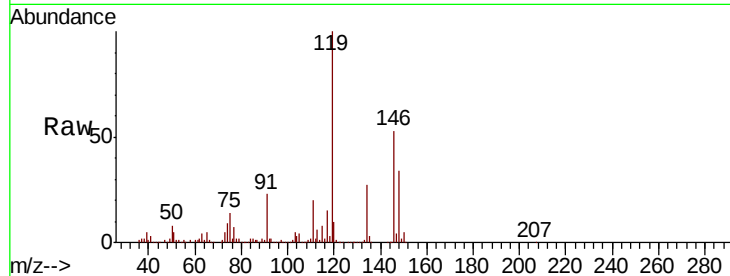
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.0	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 51.257 ug/l

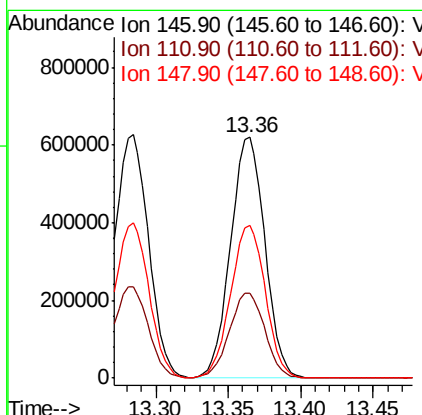
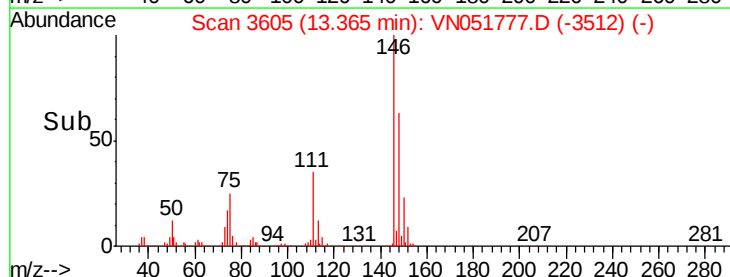
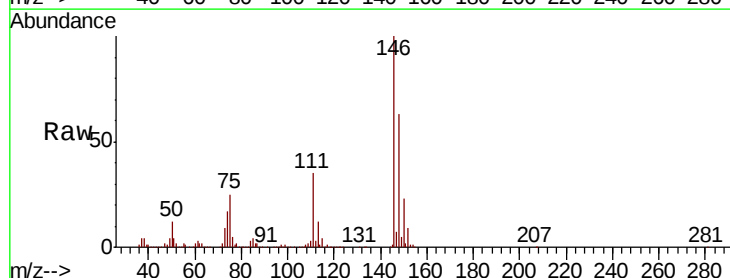
RT: 13.36 min Scan# 3605

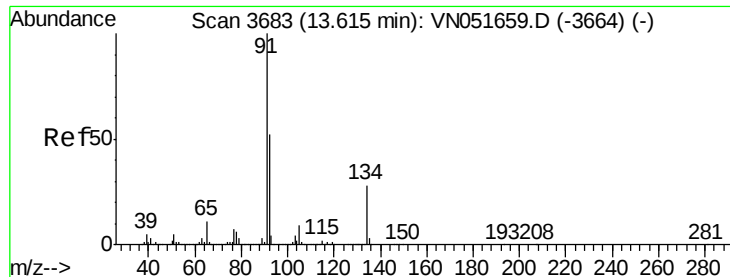
Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.8
148	64.1	32.3	96.8





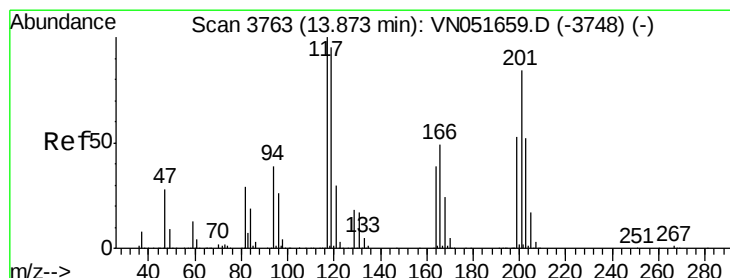
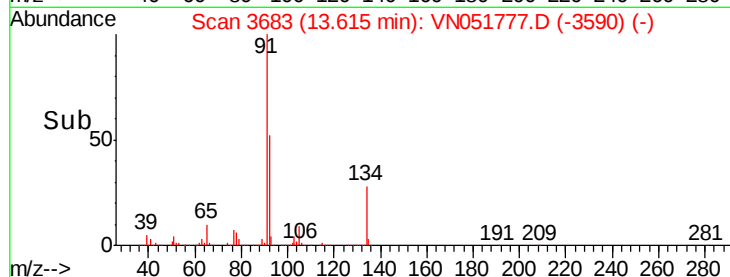
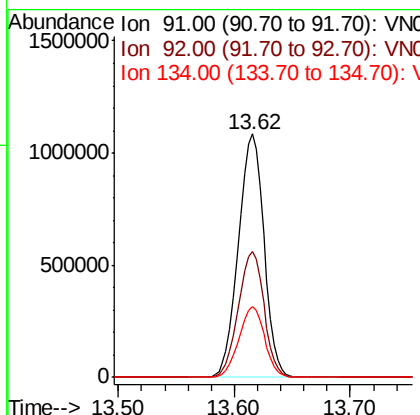
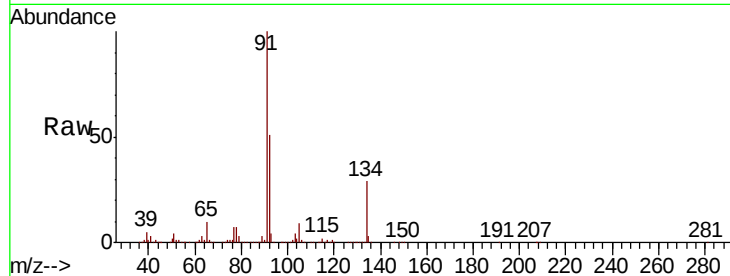
#89
n-Butylbenzene
Concen: 49.785 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	29.1	14.2	42.6

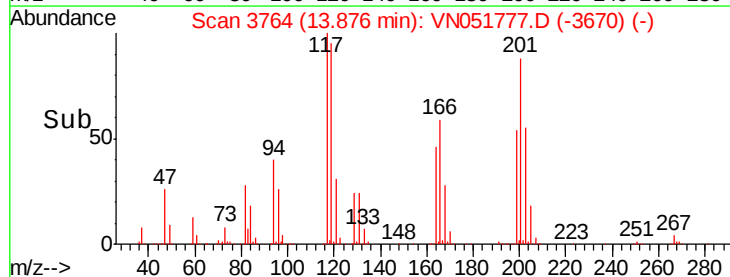
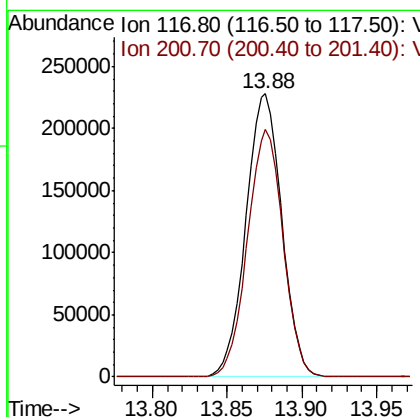
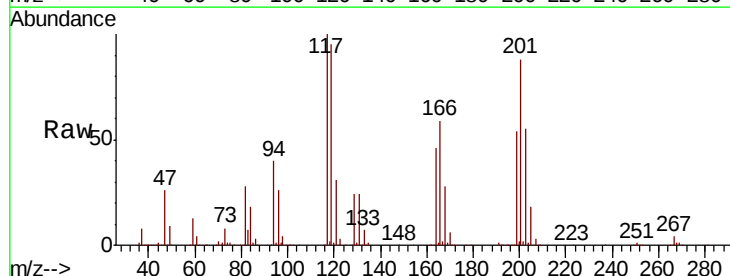
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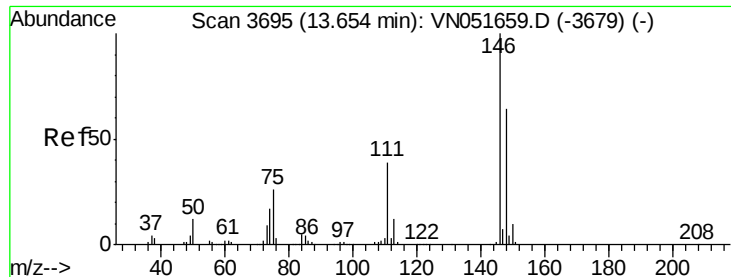
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#90
Hexachloroethane
Concen: 45.453 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 51.106 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1026150

Ion Ratio Lower Upper

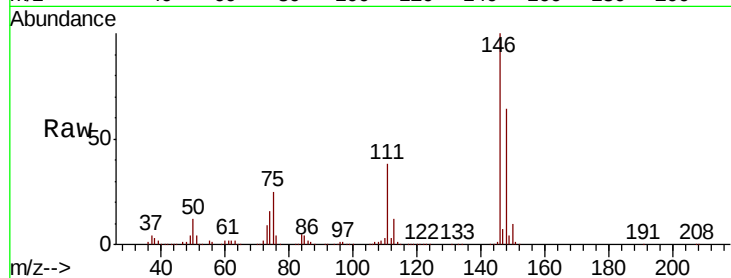
146 100

111 38.6 19.7 59.0

148 64.1 32.1 96.3

Manual Integrations
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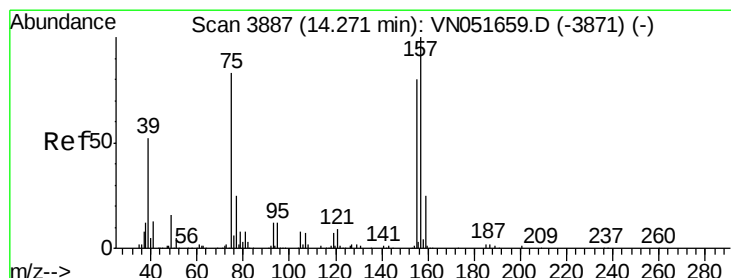
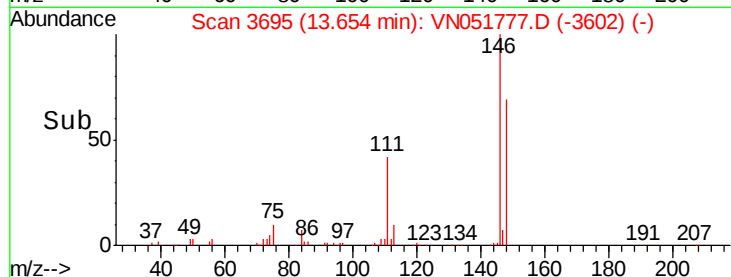
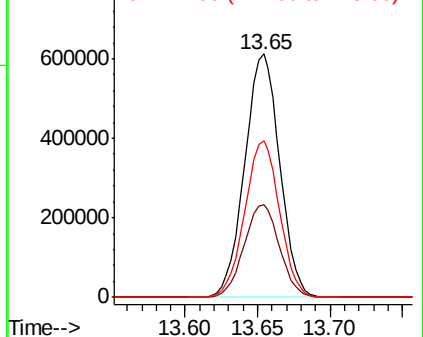


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.874 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

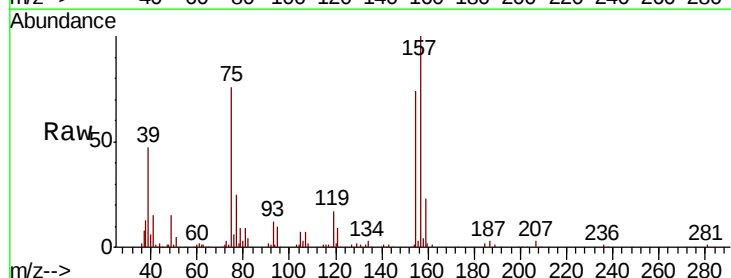
Tgt Ion: 75 Resp: 79725

Ion Ratio Lower Upper

75 100

155 102.2 47.6 142.9

157 132.0 61.7 185.1

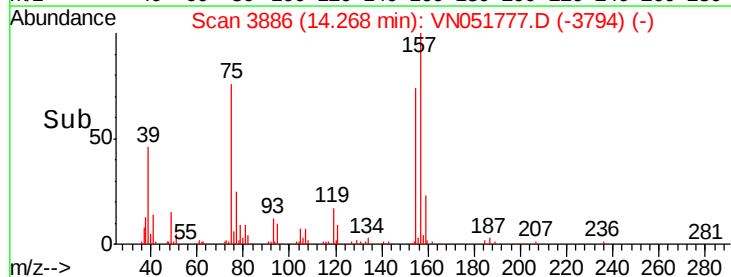
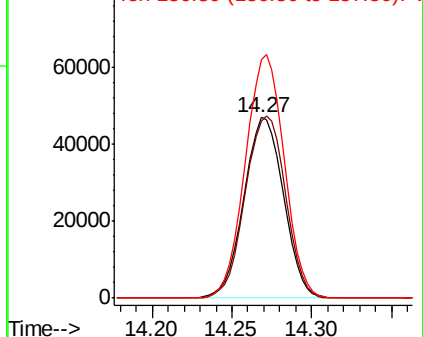


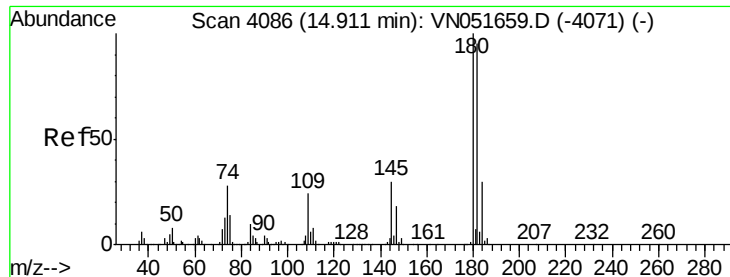
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





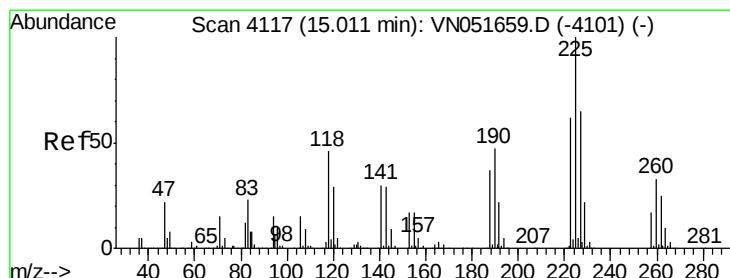
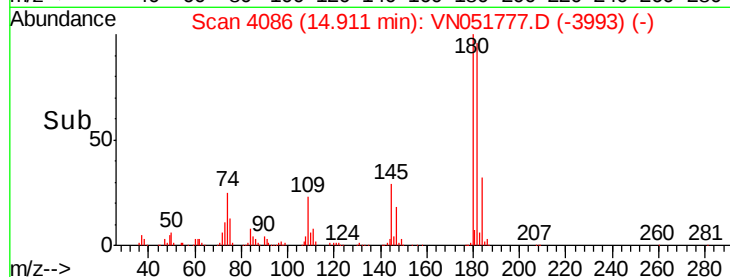
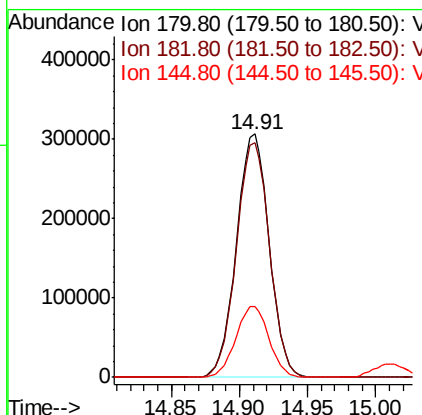
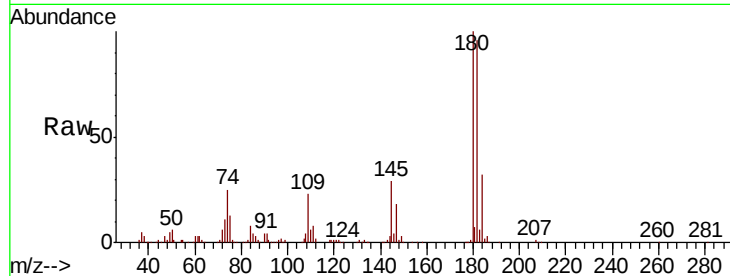
#93
 1,2,4-Trichlorobenzene
 Concen: 57.196 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	511025		
182	97.4	47.7	143.1	
145	29.5	15.3	45.9	

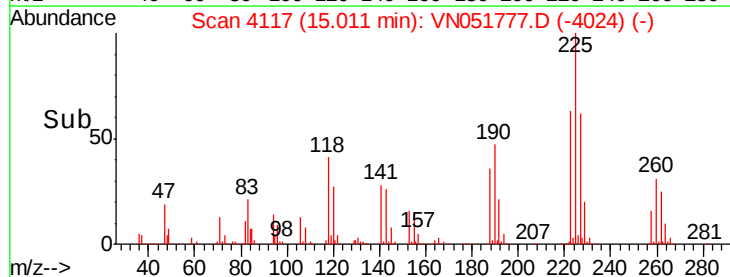
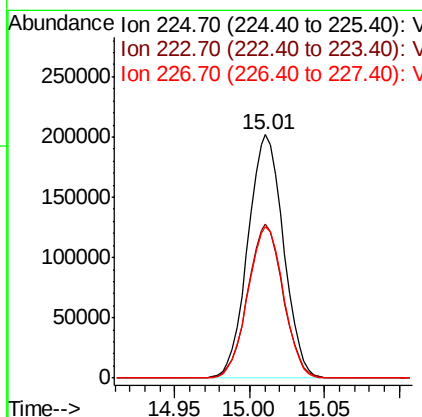
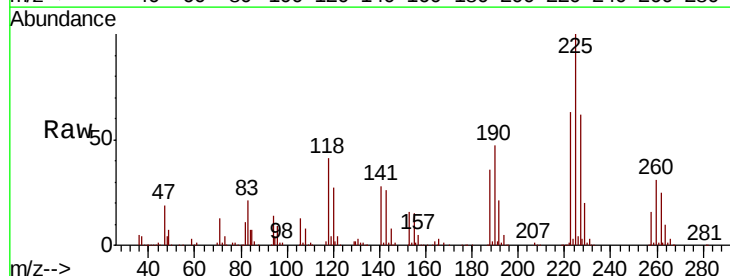
Manual Integrations
 APPROVED

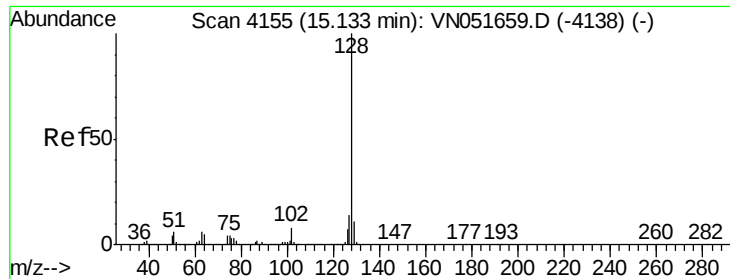
MMDadoda
 10/11/2018 5:51:12 PM



#94
 Hexachlorobutadiene
 Concen: 55.044 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333680		
223	62.9	31.9	95.5	
227	62.5	31.7	95.1	





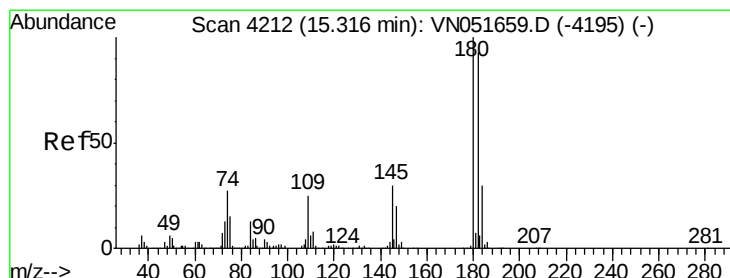
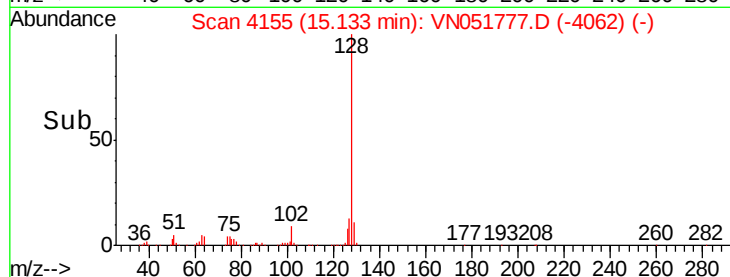
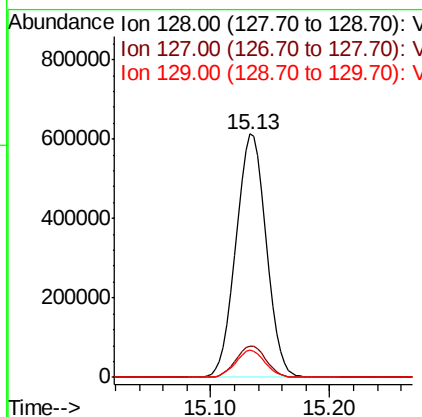
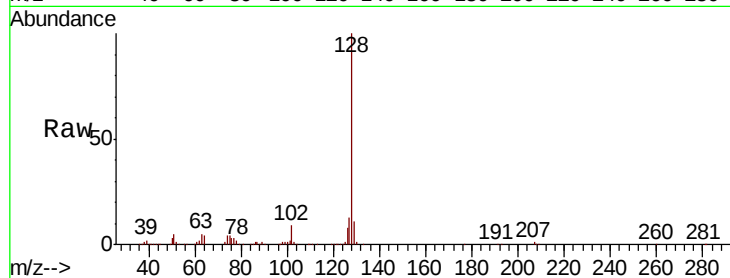
#95
Naphthalene
Concen: 55.954 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/11/2018 5:51:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.851 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	31.5	15.6	46.8

